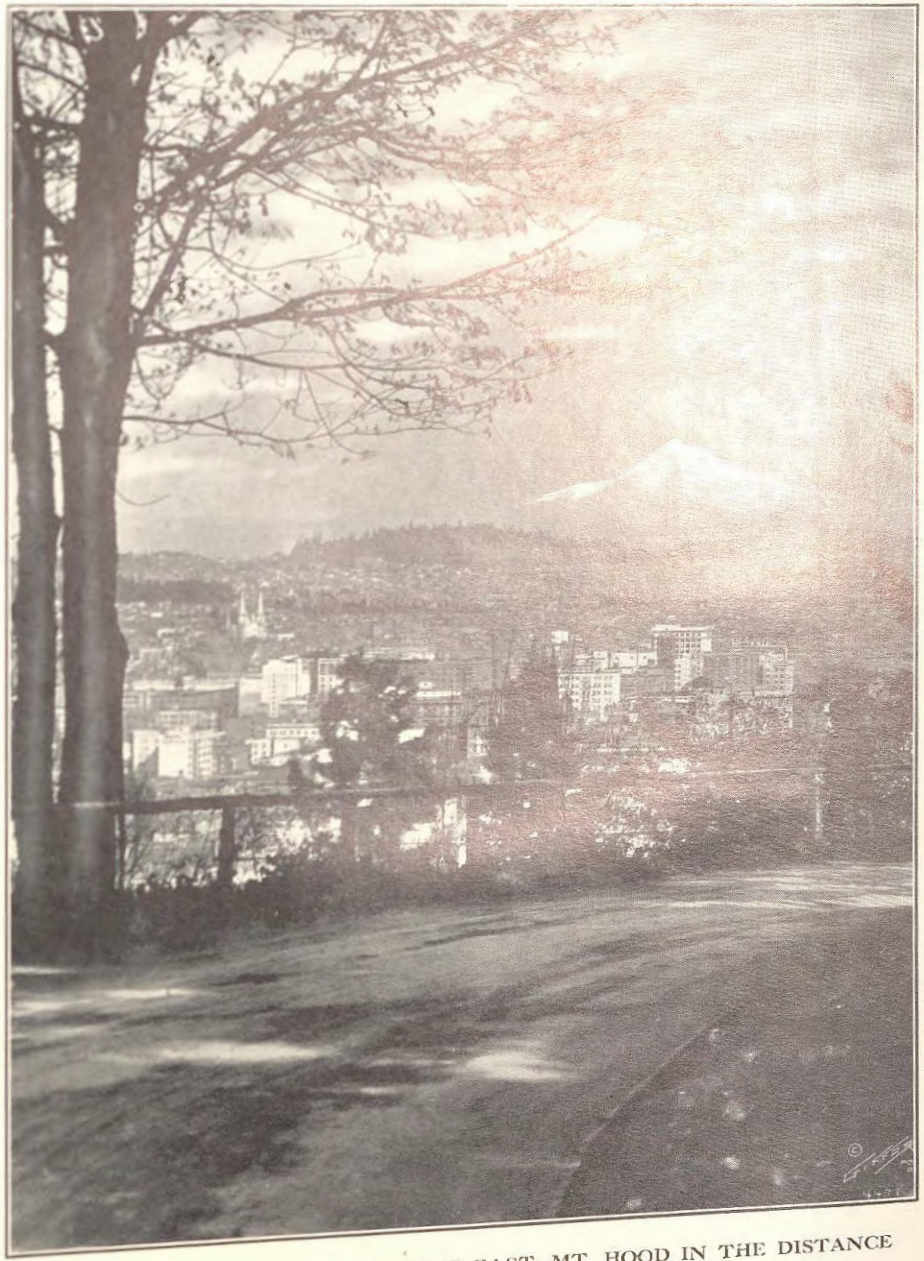

A GLIMPSE OF PORTLAND LOOKING EAST—MT. HOOD IN THE DISTANCE

CITY OF PORTLAND
OREGON

MAYOR'S MESSAGE

AND

ANNUAL REPORTS

FOR THE FISCAL YEAR ENDING
NOVEMBER 30, 1927

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ELECTIVE OFFICERS

		Time Expires
Commissioner of Public Safety	Mayor Geo. L. Baker	July 1, 1929
Commissioner of Public Utilities	John M. Mann	July 1, 1929
Commissioner of Public Works	A. L. Barbur	July 1, 1929
Commissioner of Public Affairs	C. A. Bigelow	July 1, 1931
Commissioner of Finance	Stanhope S. Pier	July 1, 1931
Auditor	Geo. R. Funk	July 1, 1931

CIVIL SERVICE BOARD

Members Appointed

John F. Logan, Chairman
Harvey Wells
O. C. Bortzmeyer

COMMISSION OF PUBLIC DOCKS

Members Appointed

John H. Burgard, Chairman
F. C. Knapp, Vice-Chairman
A. H. Averill
Ira F. Powers
E. S. Collins

MAYORS OF PORTLAND FROM 1851 TO 1927

Name.	Elected.
Hugh D. O'Bryant	April 7, 1851
A. C. Bonnell	April 5, 1852
Simon B. Marye	November 13, 1852
Josiah Failing	April 4, 1853
W. S. Ladd	March 15, 1854
George W. Vaughn	April 2, 1855
James O'Neill	April 7, 1856
James O'Neill	April 6, 1857
W. S. Ladd	November 4, 1857
A. M. Starr	April 5, 1858
S. J. McCormick	April 4, 1859
G. Collier Robbins	April 2, 1860
J. M. Breck	April 1, 1861
W. H. Farrar	April 7, 1862
David Logan	April 6, 1863
Henry Failing	April 4, 1864
Henry Failing	June 19, 1865
T. J. Holmes	November 26, 1866
T. J. Holmes	June 18, 1867
Aaron E. Wait	July 24, 1867
J. A. Chapman	July 31, 1867
Hamilton Boyd	June 16, 1868
B. Goldsmith	June 21, 1869
P. Wasserman	June 20, 1871
Henry Failing	June 16, 1873
J. A. Chapman	June 21, 1875
W. S. Newbury	June 18, 1877
D. P. Thompson	June 16, 1879
D. P. Thompson	June 20, 1881
J. A. Chapman	June 19, 1882
John Gates	June 15, 1885
Van B. DeLashmutt	May 2, 1888
Van B. DeLashmutt	June 18, 1888
W. S. Mason	June 15, 1891
George P. Frank	June 4, 1894
Sylvester Pennoyer	June 1, 1896
W. S. Mason	June 6, 1898
W. A. Storey	May 16, 1899
Henry S. Rowe	June 4, 1900
George H. Williams	June 2, 1902
Harry Lane	June 5, 1905
Harry Lane	June 3, 1907
Joseph Simon	June 7, 1909
A. G. Rushlight	June 5, 1911
H. R. Albee	June 2, 1913
George L. Baker	June 4, 1917
George L. Baker	November 2, 1920
George L. Baker	November 4, 1924

MAYOR'S MESSAGE

Portland, Oregon, February 1, 1928.

TO THE COUNCIL:

Submitted herewith is the Mayor's Annual Message for the fiscal year 1927.

The era of progress, development and prosperity which has been most apparent in Portland for many years past is reflected in all of the statistics for the fiscal year 1927 as compiled by the various municipal departments. Summarized, the reports of the various departments indicate that all private businesses took long strides ahead and the municipal service kept pace. There was a very steady growth of the city in population, and a steady development both public and private to meet the demands of the growing population and the increasing facilities for handling street and other problems nnder the constantly increasing and changing conditions.

Two developments of greatest importance during the year were the commencement of work on the new harbor wall and the pushing of work on the new Bear Creek dam. The harbor wall contract was signed November 9, 1926, and work was started at about the beginning of the fiscal year 1927. The project involves the vast harbor line development together with the Front Street intercepting sewer and drainage system and the pumping system. There were some delays in the work owing to high water, but on the whole the project has been pushed along at a satisfactory rate. It should be completed in the spring of 1929, and will bring about a most remarkable change in our water front conditions. The wall will form a barrier to the river, which up to this time has flooded basements during the high-water periods. Sanitary conditions will be very greatly improved by reason of the intercepting sewer.

The Bear Creek dam has reached a point where it is of service in the city's water system. The task of constructing the dam and clearing the vast storage basin has been hurried during the summer, fall and spring seasons and will permit of the storage of sufficient water during 1928 to forestall any possible water shortage.

PUBLIC WORKS

Of great importance during the year was the street-widening program. The increasing traffic problem due to the rapid increase in the number of automobiles on our streets has necessitated the pushing of the street-widening program throughout the city.

Among the most important of these was the East Broadway and Larrabee Street widening, East Broadway having been widened to 100 feet from the Broadway Bridge to Benton Street, and Larrabee Street to 90 feet between Cherry and Dixon Streets. This project included the installation of a complete system of subways and loading platforms. Work on this project was started in September, 1926, and completed at the end of the fiscal year, 1927.

Among the most important street improvements were the east and

west approaches to the Ross Island Bridge. The opening of this artery greatly relieved our traffic conditions and simplified the movement during rush hours of vehicles between the east side and west side. Among other very important street improvements was Vancouver Avenue, a distance of three miles. Fremont Street from East Fourth to Sandy Boulevard. Sandy Boulevard between Seventy-second and Eighty-second Streets. Fifty-second Street from Foster Road to the city limits, and the partial completion of Interstate Avenue.

The street improvement program for the year amounted to $2,335,992, which included installation of five street lighting systems at a cost of $149,105. The sewer program involved the construction of 36.6 miles of sewer at a cost of $571,662; a total of 46.64 miles of streets were paved, and 2.40 miles of paved roads were taken over from the County, making a total of 49.04 miles added to the paving mileage of the city. There are now 612.88 miles of hard-surface pavement in the city.

In connection with the general street and traffic problems, it has been found that the average yearly increase is approximately 12 per cent, this being based upon traffic count on bridges taken in May, 1927, and compared with similar counts taken at corresponding dates in previous years. In 1927, 130,000 automobiles passed over the Willamette bridges in 24 hours, the Broadway and Burnside Bridges carrying the larger volume.

The Bureau of Building records show that great strides were taken during 1927. In the building of residences and business buildings, there were 11,383 permits issued involving $29,425,650. There were 16,029 electrical permits issued involving $2,234,305; 646 electrical sign permits, involving $197,315; 7504 plumbing permits, involving $2,070,310.

The Municipal Paving Plant completed 48,660 yards of new construction at a cost of $48,942.67. Repairs to hard-surfaced roads and replacement of cut-ins for water, gas and electric companies amounted to 84,100 yards, involving $90,000 for repairs and $43,733 for restorations.

WATER BUREAU

In the Bureau of Water Works, the distributing system was increased by the laying of 45.36 miles of pipe. The total consumption of water in the city during the year was 12,453,351,415 gallons. The total average daily consumption was 34,118,771 gallons. This water was brought in through 81.29 miles of conduits to the reservoirs and distributed through 1111 miles of pipe and 82,998 meters. The average daily consumption for each inhabitant was 97.50 gallons during the fiscal year.

Dodge Park, which is maintained as a public recreation ground was visited by 35,000 people.

HEALTH BUREAU

Health conditions during the year were particularly good, there being no serious epidemics, and the mortality rates have been normal at 10.6 per 1000. There were 3552 deaths during 1927, of which 1956 were males and 1596 females. The infant mortality rate (under 1 year) was 39 per 1000 births in 1926. This was the lowest ever recorded for any city in the United States over 100,000 population. There was a slight decrease in typhoid fever and an increase in diphtheria and scarlet fever, but these did not assume the proportions of an epidemic.

In the food inspection work, health cards were issued to 24,000 persons. There were 24,781 inspections of food establishments; 14,942 official calls; 621 restaurants rated; 8444 licenses issued; 25,356 pounds of foodstuffs condemned; 4954 complaints by citizens investigated; 8220 hotels and dwellings inspected and 4334 abatements brought about.

In the rodent control work a great deal was accomplished by the use of cyanides, gas and poison. Particular attention was given the water front storage places.

In the Milk Investigation Division 8265 dairies and 459 creameries and milk depots were inspected. Five thousand four hundred and eighty-one samples of milk were taken and analyzed and less than 1 per cent of these were below standard. In the meat inspection work, 118,880 carcasses were inspected and passed; 378 were condemned; 1143 chickens were condemned; 4007 livers were condemned; 739 hogs' heads were condemned, and 15,274 pounds of sour meat condemned.

In the School Inspection Division examinations were given 96,000 pupils. In addition 32,863 children passed through the Health Bureau for readmittance to school. Health conditions in the schools were very much improved during the year. Personal contacts showed that the work is receiving much more recognition from the public. In 1926, 3960 parents visited the schools to see the school nurses. In 1927 this figure was increased to 9725.

In the Bureau of Weights and Measures, 3432 scales were inspected; 3210 were sealed; 88 were condemned and repairs were ordered on 134. Of the 922 weights inspected, 42 were condemned. Of the 928 gasoline pumps inspected, 14 were condemned.

FIRE BUREAU

Report of the Bureau of Fire shows 2020 alarms during the year 1927, of which number 1584 were unimportant. There were 444 major alarms which entailed a loss of $731,275.12. Improvements in the service during the year included the opening of three new stations; the building of three new gas propelled fireboats; one new squad wagon with complete equipment; one new tractor and considerable new modern equipment. The department now has 46 pieces of apparatus in actual service, housed in 40 stations. The Fire Marshal, in connection with his Fire Prevention Campaign, made 112,154 inspections and abated 14,272 fire hazards; supervised installation of 337 oil burners and 259 gasoline tanks and pumps. The campaign waged during the year against old and dilapidated buildings resulted in the removal of 221. The Fire Prevention Campaign was brought to public attention at 517 meetings.

PUBLIC MARKET

Approximately 74,000 producers were represented from time to time on the Public Market. The receipts for the year amounted to $14,423.25.

GARBAGE DISPOSAL

During the year 8248 tons of garbage were burned at the incinerator. At Duniway Park fill 32,451 tons were disposed of; at Greeley Cut-off 42,956 tons; at Alberta Street fill 12,078, making a total of 95,733 tons. In addition to this 16,700 yards of non-combustible refuse was disposed of on the incinerator dump.

The serious garbage problem faced by the city during the past few years has been greatly relieved by the completion of the new Nye incinerator. This will take care of all west side garbage for many years. Preparation should be made at once and means provided for construction of a similar incinerator for the east side. This can not be delayed long because available spaces for fills are not numerous and present fills will be completed in about two and one-half years.

PUBLIC EMPLOYMENT

Positions for 24,563 men and 2288 women were obtained during the fiscal year. Daily records show 1056 sent to regular farm positions and 3600 sent to farms for seasonal crop work and harvest. A total of 4921 were placed in skilled and semi-skilled positions, the remaining number were sent out on common labor or jobs of short duration.

MUNICIPAL SHOP

During the year the work performed for various municipal departments amounted to $62,685. The material for the work amounted to $43,397, making a total of $106,082 business transacted by this bureau during the year.

STREET CLEANING

A total of 88,647 miles of streets were cleaned during the year. This included 36,650 miles flushed; 4039 miles hand swept and 6366 cubic yards of snow removed. A total of 38,772 units catch basins were cleaned. During the year 3 trucks and 7 auxiliary snow plows were added to the equipment which now consists of 9 auto flushers, 2 catch basin eductors, 14 trucks, 2 service cars and 4 passenger automobiles.

CITY ATTORNEY

The Office of the City Attorney handled during the year a total of 19,827 cases of which 158 were civil cases and the remaining number criminal cases. There are pending at this time 99 civil cases and 73 criminal cases. A total of 19,000 complaints were issued in the Municipal Court. Other work of the office included the issuing of 2500 subpoenas; preparation of 889 ordinances; drafting of 214 contracts; the approving of 1135 contracts as to form; the approving of 1381 bonds as to form; the investigation of 317 calendar matters; the writing of 173 opinions, and the writing of 8679 communications. A total of 480 letters were written to various property owners regarding use of property for immoral purposes. There was transmitted to the City Treasurer from the sale of property a total of $139,259.27.

POLICE BUREAU

The Bureau of Police experienced an unusual busy year during 1927. In the Traffic Division a total of 14589 arrests were made and $42,795 assessed in fines and 1201 days imposed in sentences, a total of 3404 licenses were suspended. In the Motorcycle Speed Squad 10,345

arrests were made, from which $29,424.50 in fines was imposed and 790 days in jail imposed.

In the Inspectors' Division 1216 arrests were made; 4388 cases reported; 4095 investigations made; 969 cleared up and 428 warrants served. In the Check and Bank Detail 540 cases were reported and 387 cases cleared up.

In the Vice Division 3035 arrests were made. Of these 816 were for gambling; 1237 liquor violations; 504 for morals violations; 164 for narcotics, and 314 miscellaneous violations. The fines aggregated $141,183.50, and the jail sentences aggregated 7375 days. The bureau confiscated liquor and narcotics in amounts as follows: Moonshine, 21,293 pints; wine, 6113 gallons; mash, 20,380 gallons; beer, 18,369 quarts; honded, 1123 quarts; gin, 569 pints; saki, 60 gallons; alcohol, 90 gallons; stills, 56; opium, 26,910 grains; opium outfits, 39; yen shee, 7675 grains; morphine, 840 grains; marrawauna, 200 pounds; gambling outfits, tables, chairs and chips.

In the Auto Theft Division 1708 automobiles were reported stolen. Of this number 1674 were recovered; 17 motorcycles stolen and 17 recovered; 558 bicycles stolen and 391 recovered. A total of 1016 arrests were made. The total value of automobiles stolen amounted to $1,064,270.

In the Women's Division reports show 4339 interviews; 1289 investigations; 1719 homes visited; 7217 office calls; 1813 dance permits issued; 2082 dances visited. A total of 235 juveniles were found at dances. The Bureau of Police showed total arrests of 31,452.

HARBOR PATROL

The Harbor Patrol made 911 runs involving 12,638 miles. During the year there were 29 drownings and 29 bodies were recovered. The bodies of 14 persons were found floating on the river and turned over to the Coroner. Eleven minor children were picked up and sent to the Juvenile Court. Five persons were rescued from drowning during the year. Fresh water was placed on board 518 ships. Property recovered during the year included 3 barges, 13 rowboats, 3 lifeboats and 8 canoes.

NUISANCE DIVISION

The Nuisance Division served 19,535 written notices; posted 17,331 notices; ascertained the ownership in 20,290 cases; wrote 5565 letters and handled 90,083 instruments and investigations.

MOTION PICTURES

During the year the Board of Motion Picture Censors through the viewers, viewed 6237 reels and 2097 subjects. Eliminations were made in 71 reels and 42 reels were condemned. A total of 52 subjects were appealed to the board and 9 subjects were appealed to the City Council. The board held 81 meetings; issued 2097 permits.

PUBLIC DOCKS

The Commission of Public Docks records show a healthy increase in business during the year. A total of 1678 vessels entered with 4,642,090 tons registered. The same number of vessels cleared with 4,630,570 tons registered. Foreign exports in 1927 amounted to 1,800,930 tons. Domestic exports amounted to 868,317 tons or a total of 2,669,317 tons

valued at $133,141,330. The foreign imports were 142,015 tons and the domestic imports 2,255,014 tons, a total of 2,397,029 tons valued at $145,691.681. The total export and import amounted to 5,066,346 tons valued at $278,833.21. Wheat exports totaled 36,792,734 bushels valued at $47,901,763. Flour exports totaled 1,734,945 barrels valued at $11,421,952. Lumber exports totaled 571,631,499 board feet valued at $12,545,550.

FINANCE

The balance in funds December 1, 1926, was $2,833,849.93. The total received from all sources during the year was $21,983,535.39, making total receipts for the year of $24,817,385.32. The disbursements were $21,448,566.68, leaving a balance of $3,368,818.64.

PARKS

Playground attendance during the year was 359,265. Attendance at the swimming tanks was 372,187; attendance at the community houses, 81,770; attendance at the comfort stations, 3,727,304. New property acquired during the year brought the total owned by the department up to 2292.85 acres. The attendance at the golf links during the year was 268,025 with total receipts of $93,958.34. The attendance at Eastmoreland Golf Links was 123,575; Rose City, 109,203, and at West Hills, 35,247.

LICENSES

A total of 23,312 licenses were issued for general purposes, involving total fees of $145,420. Dog licenses issued amounted to $27,668.

AUDITORIUM

The Public Auditorium was used 301 times of which dates 190 were at full rental; 19 at reduced rental and 92 rent free. The total attendance during the year was 102,000.

Respectfully submitted,

GEORGE L. BAKER Mayor.

ANNUAL REPORT

OF

THE DEPARTMENT OF PUBLIC SAFETY

FOR THE FISCAL YEAR ENDING
NOVEMBER 30, 1927

DEPARTMENT OF PUBLIC SAFETY

GEO. L. BAKER
COMMISSIONER

BUREAU OF POLICE—
L. V. JENKINS, Chief

OFFICE OF CITY ATTORNEY—
FRANK S. GRANT, City Attorney

MUNICIPAL COURT—
F. W. STADTER, Judge

MUNICIPAL AUDITORIUM—
H. M. WHITE, Manager

BOARD OF MOVING PICTURE CENSORS—
ELEANOR T. COLWELL, Secretary

BUREAU OF POLICE

HON. GEORGE L. BAKER, MAYOR, CITY OF PORTLAND:

Dear Sir: I submit herewith the annual report of the Bureau of Police for the fiscal year ending November 30, 1927.

Respectfully,

L. V. JENKINS, CHIEF OF POLICE.

EXECUTIVE OFFICERS, BUREAU OF POLICE, 1927

L. V. JENKINS, Chief of Police
CAPT. L. A. HARMS, Assistant to the Chief of Police
H. T. BLAKESLEE, Chief Clerk of Bureau
CAPT. J. T. MOORE, Chief Inspector, Commanding Inspectors Division
CAPT. F. M. WEST, Commanding Headquarters
CAPT. H. A. LEWIS, Commanding Precinct No. 1
CAPT. H. A. CIRCLE, Commanding Precinct No. 2
CAPT. C. A. INSKEEP, Commanding Precinct No. 3
CAPT. J. SPEIER, Commanding Harbor Patrol
CAPT. F. ERVIN, Commanding Traffic Division
LIEUT. H. M. NILES, Commanding Record Division
MISS MARTHA RANDALL, Supt. Women's Protective Division

PERSONNEL OF BUREAU OF POLICE, 1927

1 Chief of Police	7 Operatives, Women's Protective Division
1 Chief Inspector	3 Matrons
6 Captains	1 Chief Clerk
11 Lieutenants	2 Clerks
21 Sergeants	4 Stenographers
30 Inspectors	4 Typists
15 Patrolmen in Inspectors' Office	4 Engineers, Building
2 Record Clerks	6 Harbor Engineers
39 Motorcycle Patrolmen	7 Elevator Operators and Janitors
40 Traffic Patrolmen	6 Telephone Operators
200 Patrolmen	1 Motorcycle Mechanic
2 Motorbus Inspectors	3 Automobile Mechanics
1 Finger Print Expert	1 Automobile Washer
1 Operative (Male)	1 General Utility
1 Superintendent, Women's Protective Division	422 Total Personnel
1 Assistant Superintendent, Women's Protective Division	

46 Automobiles
29 Motorcycles

STATEMENT OF BUREAU OF POLICE, SHOWING CONDITION OF APPROPRIATIONS NOVEMBER 30, 1927

Accounts	Total Appropriations Including Transfers	Claims Paid	Claims Outstanding	Total Encumbrance	Unencumbered Balance
Executive and Clerical—					
Personal Service	$ 18,990.00	$ 18,864.95	.....	$ 18,864.95	$ 125.05
Operation and Maintenance	1,957.25	1,934.09	.....	1,934.09	23.16
Securing Evidence	6,000.00	5,993.86	.....	5,993.86	6.14
Totals	$ 26,947.25	$ 26,792.90	.....	$ 26,792.90	$ 154.35
Uniform Force—					
Personal Service	$ 723,879.81	$ 722,990.01	.....	$ 722,990.01	$ 889.80
Operation and Maintenance	27,100.00	27,051.23	$ 5.00	27,056.23	43.77
Equipment	14,793.75	14,780.87	.....	14,780.87	12.88
Construction and Extension	310.00	306.33	.....	306.33	3.67
Injuries to Officers	600.00	597.97	.....	597.97	2.03
Maintaining Traffic and Warning Signs	1,900.00	1,890.72	.....	1,890.72	9.28
Police Reserves	600.00	600.00	.....	600.00	.....
Rose Festival and Other Parades	150.00	147.40	.....	147.40	2.60
Totals	$ 769,333.56	$ 768.364.53	$ 5.00	$ 768,369.53	$ 964.03
Bertillon Division—					
Personal Service	$ 4,020.00	$ 4,020.00	.....	$ 4,020.00	.....
Operation and Maintenance	955.00	950.19	.....	950.19	$ 4.81
Totals	$ 4,975.00	$ 4,970.19	.....	$ 4,970.19	$ 4.81
Headquarters Division—					
Personal Service	$ 46,710.30	$ 46,534.61	.....	$ 46,534.61	$ 175.69
Operation and Maintenance	23,551.95	23,315.73	$ 5.00	23,320.73	231.22
Equipment	624.15	609.70	.....	609.70	14.45
Totals	$ 70,886.40	$ 70,460.04	$ 5.00	$ 70,465.04	$ 421.36

STATEMENT OF BUREAU OF POLICE, SHOWING CONDITION OF APPROPRIATIONS NOVEMBER 30, 1927—Continued

Accounts	Total Appropriations Including Transfers	Claims Paid	Claims Outstanding	Total Encumbrance	Unencumbered Balance
St. Johns Sub-Station—					
Operation and Maintenance	$ 795.00	$ 774.31	$ 5.00	$ 779.31	$ 15.69
Equipment	141.25	137.20	.....	137.20	4.05
Totals	$ 936.25	$ 911.51	$ 5.00	$ 916.51	$ 19.74
Harbor Patrol Division—					
Personal Service	$ 10,395.00	$ 10,387.26	.....	$ 10,387.26	$ 7.74
Operation and Maintenance	800.00	687.42	.....	687.42	112.58
Equipment	133.00	130.94	.....	130.94	2.06
Totals	$ 11,328.00	$ 11,205.62	.....	$ 11,205.62	$ 122.38
Women's Protective Division—					
Personal Service	$ 19,090.00	$ 19,088.41	.....	$ 19,088.41	$ 1.59
Operation and Maintenance	2,390.00	2,337.59	.....	2,337.59	52.41
Equipment	203.25	200.30	.....	200.30	2.95
Totals	$ 21,683.25	$ 21,626.30	.....	$ 21,626.30	$ 56.95
Special Appropriation—					
Permanent Traffic and Warning Signs	$ 9,025.00	$ 8,965.17	.....	$ 8,965.17	$ 59.83
Synchronized Traffic Signals	28,593.40	13,811.60	.....	13,811.60	14,781.80
Totals	$ 37,618.40	$ 22,776.77	.....	$ 22,776.77	$ 14,841.63
Special Fund Appropriations—					
Policemen's Salary Increase Fund	$ 153,770.00	$ 153,750.11	.....	$ 153,750.11	$ 19.89
Police Traffic Signal Fund	101,059.00	98,878.77	.....	98,878.77	2,180.23
Totals	$ 254,829.00	$ 252,628.88	.....	$ 252,628.88	$ 2,200.12
Grand Total—Bureau of Police	$1,198,537.11	$1,179,736.74	$ 15.00	$1,179,751.74	$ 18,785.37

ANNUAL EXPENSE REPORT BUREAU OF POLICE FOR FISCAL YEAR ENDING NOVEMBER 30, 1927

Account Title	Symbol	Executive and Clerical Division	UNIFORM DIVISION						
			Patrol Service	Precinct No. 1	Precinct No. 2	Booth No. 7	Vice Squad	Traffic Squad	Inspectors
Personal Services—	A								
Salaries	1	$ 18,864.95	$415,393.70				$ 32,384.61	$ 94,022.96	$ 88,786.91
Supplies—	B								
Office	1	321.47	359.01	$ 145.62	$ 151.20		134.57	366.56	562.11
Fuel	2			218.83	232.04				
Food	4								
Cleaning and Disinfecting	5		.30						
Motor Vehicle	6	431.17	2,865.49	2,859.23	2,274.56	$ 342.22	1,183.89	474.06	753.80
Medical and Surgical	9		2.00						
General Plant	10		379.22	3.18	4.08			16.93	
Material—	C								
Building	3								
General Plant	4		115.04	33.05	17.86				
Equipment—	D								
Office	1	172.25					101.25		379.30
Household	2	3.15							
Motor Vehicles and Equipment	5		5,385.36	116.89	512.50	10.50	36.65	12.93	2,729.42
Tools	7						5.00		
General Plant	8		166.00	1.26			10.63		
Construction and Extension	E1								
Repairs—	E								
General	2	8.90	244.30	1.75					
Motor Vehicle	3	419.65	889.13	517.15	665.44	35.32	296.91	70.20	374.47
Light, Heat and Power—	E4								
Heat	D								
Janitorial Service	E5			396.65	11.25				
Transportation—	E6								
Carfare	E								
Other Transportation	F	575.00	2.50				.50		33.25
Communication—	E7								
Telephone	A		148.40					20.15	165.47
Telegraph and Messenger	B		175.31					2.60	216.17
General Plant Service	E8								
Contingencies	F	5,993.86	107.97	6.00	156.00		5.00		6.00

ANNUAL EXPENSE REPORT BUREAU OF POLICE FOR FISCAL YEAR ENDING NOVEMBER 30, 1927—Continued

Account Title	Symbol	Executive and Clerical Division	UNIFORM DIVISION						
			Patrol Service	Precinct No. 1	Precinct No. 2	Booth No. 7	Vice Squad	Traffic Squad	Inspectors
Fixed Charges and Contributions—	G								
Rent	2	$ 2.50							$ 60.00
Insurance	4								
Other Fixed Charges	6								
Maintenance of Signs									
Police Reserves									
Rose Festival and Other Parades									
Permanent Traffic and Warning Signs									
Synchronized Traffic Signals									
Police Signal Fund									
Police Salary Increase Fund									
Totals		$ 26,792.90	$426,323.73	$ 4,298.61	$ 4,024.93	$ 388.04	$ 34,159.01	$ 94,986.39	$ 94,066.90

ANNUAL EXPENSE REPORT BUREAU OF POLICE FOR FISCAL YEAR ENDING NOVEMBER 30, 1927—Continued

Account Title	Symbol	UNIFORM DIVISION						Bertillon Division
		Auto Theft	Record Room	Garage	Speed Squad	Special Appropriations	Total Uniform Division	
Personal Services—	A							
Salaries	1	$ 28,345.00	$ 30,587.16	$ 9,096.00	$ 24,373.67		$ 722,990.01	$ 4,020.00
Supplies—	B							
Office	1	131.47	1,920.36	100.14	183.41		4,054.45	890.84
Fuel	2						450.87	
Food	4							
Cleaning and Disinfecting	5			224.56			224.86	
Motor Vehicle	6	1,108.48	23.95	1,984.33	591.70		14,461.71	
Medical and Surgical	9						2.00	
General Plant	10			48.25			451.66	
Material—	C							
Building	3			21.65			21.65	
General Plant	4	99.48	6.50	648.82	126.68		1,047.43	
Equipment—	D							
Office	1		251.48	2.08			734.11	59.35
Household	2							
Motor Vehicles and Equipment	5	1,498.48		2,051.79	1,505.00		13,859.52	
Tools	7						5.00	
General Plant	8			4.35			182.24	
Construction and Extension	E1			306.33			306.33	
Repairs—	E							
General	2		21.85	39.62			307.52	
Motor Vehicle	3	351.89	12.02	427.47	314.82		3,954.82	
Light, Heat and Power—	E4							
Heat	D							
Janitorial Service	E5			47.50			455.40	
Transportation—	E6							
Carfare	E							
Other Transportation	F	6.20	421.58				464.03	
Communication—	E7							
Telephone	A	166.15	17.15		2.70		520.02	
Telegraph and Messenger	B	163.73					557.81	
General Plant Service	E8							
Contingencies	F		100.00	39.50	87.50		597.97	

ANNUAL EXPENSE REPORT BUREAU OF POLICE FOR FISCAL YEAR ENDING NOVEMBER 30, 1927—Continued

Account Title	Symbol	UNIFORM DIVISION						Bertillon Division
		Auto Theft	Record Room	Garage	Speed Squad	Special Appropriations	Total Uniform Division	
Fixed Charges and Contributions—	G							
Rent	2			$ 12.00			$ 72.00	
Insurance	4							
Other Fixed Charges	6			5.00			5.00	
Maintenance of Signs						$ 1,890.72	$ 1,890.72	
Police Reserves						600.00	600.00	
Rose Festival and Other Parades						147.40	147.40	
Permanent Traffic and Warning Signs								
Synchronized Traffic Signals								
Police Signal Fund								
Police Salary Increase Fund								
Totals		$ 31,870.88	$ 33,362.05	$ 15,059.39	$ 27,185.48	$ 2,638.12	$ 768,364.53	$ 4,970.19

ANNUAL EXPENSE REPORT BUREAU OF POLICE FOR FISCAL YEAR ENDING NOVEMBER 30, 1927—Continued

Account Title	Symbol	HARBOR PATROL		Women's Protective Division	ST. JOHNS SUB-STATION				HDQ. DIV.
		Office	Boat		Office	Building and Jail	Patrols	Total St. Johns Sub-Sta.	Office
Personal Services—	A								
Salaries	1	$ 10,387.26		$ 19,088.41					$ 8,147.80
Supplies—	B								
Office	1	6.30		183.15	$ 48.38			$ 48.38	
Fuel	2					$ 93.00		93.00	
Food	4			183.06		8.70		8.70	
Cleaning and Disinfecting	5		58.97			24.37		24.37	
Motor Vehicle	6		241.32	371.31			$ 386.51	386.51	
Medical and Surgical	9					.25		.25	
General Plant	10		181.40	73.69		38.26		38.26	
Material—	C								
Building	3		87.55			15.18		15.18	
General Plant	4		3.50						
Equipment—	D								
Office	1			169.85	82.25			82.25	
Household	2			29.45		50.28		50.28	
Motor Vehicles and Equipment	5		97.78	1.00					
Tools	7		6.16						
General Plant	8		27.00			4.67		4.67	
Construction and Extension	E1								
Repairs—	E								
General	2			17.50	2.00			2.00	
Motor Vehicle	3		107.38	258.37			153.66	153.66	
Light, Heat and Power—	E4								
Heat	D			13.13					
Janitorial Service	E5			58.64		4.00		4.00	
Transportation—	E6								
Carfare	E			65.70					
Other Transportation	F								
Communication—	E7								
Telephone	A			15.37					
Telegraph and Messenger	B			31.58					
General Plant Service	E8								
Contingencies	F			136.09					

ANNUAL EXPENSE REPORT BUREAU OF POLICE FOR FISCAL YEAR ENDING NOVEMBER 30, 1927—Continued

Account Title	Symbol	HARBOR PATROL		Women's Protective Division	ST. JOHNS SUB-STATION				HDQ. DIV.
		Office	Boat		Office	Building and Jail	Patrols	Total St. Johns Sub-Sta.	Office
Fixed Charges and Contributions—	G								
Rent	2	$ 1.00		$ 930.00					
Insurance	4								
Other Fixed Charges	6								
Maintenance of Signs									
Police Reserves									
Rose Festival and Other Parades									
Permanent Traffic and Warning Signs									
Synchronized Traffic Signals									
Police Signal Fund									
Police Salary Increase Fund									
Totals		$ 10,394.56	$ 811.06	$ 21,626.30	$ 132.63	$ 238.71	$ 540.17	$ 911.51	$ 8,147.80

ANNUAL EXPENSE REPORT BUREAU OF POLICE FOR FISCAL YEAR ENDING NOVEMBER 30, 1927—Continued

Account Title	Symbol	HEADQUARTERS DIVISION						Special Appropriations	Totals
		Property Room	Building	Jail	Matrons	Patrols	Total Headquarters Division		
Personal Services—	A								$ 821,885.24
Salaries	1	$ 1,920.00	$ 30,253.18		$ 6,213.63		$ 46,534.61		
Supplies—	B								5,666.80
Office	1	112.33		$ 32.33	20.55		165.21		3,362.11
Fuel	2		2,818.24				2,818.24		15,923.84
Food	4			15,732.08			15,732.08		1,143.90
Cleaning and Disinfecting	5		834.70	1.00			835.70		16,581.07
Motor Vehicle	6					689.05	689.05		2.25
Medical and Surgical	9								1,806.01
General Plant	10	6.74	1,023.64		30.62		1,061.00		
Material—	C								624.57
Building	3		500.19				500.19		1,050.93
General Plant	4								
Equipment—	D								1,279.56
Office	1	61.75					61.75		268.29
Household	2			184.41	1.00		185.41		13,991.24
Motor Vehicles and Equipment	5					32.94	32.94		72.41
Tools	7		61.25				61.25		482.26
General Plant	8		254.35	14.00			268.35		306.33
Construction and Extension	E1								
Repairs—	E								861.93
General	2		521.02	4.99			526.01		5,354.19
Motor Vehicle	3					460.31	460.31		
Light, Heat and Power—	E4								75.13
Heat	D		62.00				62.00		854.18
Janitorial Service	E5		84.00		252.14		336.14		
Transportation—	E6								65.70
Carfare	E								1,040.53
Other Transportation	F		1.50				1.50		
Communication—	E7								535.39
Telephone	A								589.39
Telegraph and Messenger	B								18.00
General Plant Service	E8		18.00				18.00		6,727.92
Contingencies	F								

ANNUAL EXPENSE REPORT BUREAU OF POLICE FOR FISCAL YEAR ENDING NOVEMBER 30, 1927—Continued

Account Title	Symbol	HEADQUARTERS DIVISION						Special Appropriations	Totals
		Property Room	Building	Jail	Matrons	Patrols	Total Headquarters Division		
Fixed Charges and Contributions—	G								$ 1,005.50
Rent	2								105.30
Insurance	4		$ 105.30				$ 105.30		10.00
Other Fixed Charges	6		5.00				5.00		1,890.72
Maintenance of Signs									600.00
Police Reserves									147.40
Rose Festival and Other Parades									8,965.17
Permanent Traffic and Warning Signs								$ 8,965.17	13,811.60
Synchronized Traffic Signals								13,811.60	98,878.77
Police Signal Fund								98,878.77	153,750.11
Police Salary Increase Fund								153,750.11	
Totals		$ 2,100.82	$ 36,542.37	$ 15,968.81	$ 6,517.94	$ 1,182.30	$ 70,460.04	$275,405.65	$1,179,736.74

DIVISION OF RECORDS

ANNUAL REPORT OF THE DIVISION OF RECORDS FOR THE FISCAL YEAR ENDING NOVEMBER 30, 1927

LOCAL COMPLAINT FILES

	Reported	Cleared
BREAK AND ENTER—		
Attempts	317	14
Apartments	56	7
Filling stations	16	2
Garages	31	3
Hotels	51	7
Houses	563	96
Houses under construction	9	2
Miscellaneous	29	6
Offices	31	6
Public buildings	47	8
Restaurants	16	1
Safes	28	2
Safes, attempts	17	2
Shops	46	3
Stores	166	16
LARCENY—		
Attempts	53	7
Automobiles	1820	1779
Automobiles Embezzled	59	61
Bicycles	568	397
From automobiles	1106	83
From apartments	239	28
From filling stations	17	2
From garages	101	7
From hotels	403	51
From houses	362	47
From houses under construction	51	3
From miscellaneous	230	107
From offices	68	7
From porches	57	6
From public buildings	214	27
From railroad company	9	
From restaurants	46	7
From river	34	25
From shops	49	6
From stores	183	47
From yards	238	22
MISCELLANEOUS FELONIES AND MISDEMEANORS—		
Arrests for other departments	26	
Arson	1	22
Arson attempts	3	1
Assault, Simple	57	
Assault, dangerous weapons	30	6
Assault, dangerous weapons, attempts	1	17
Assault, to kill	2	
Assault, women	56	1
Assault women, attempts	4	12

LOCAL COMPLAINT FILES—Continued

	Reported	Cleared
MISCELLANEOUS FELONIES AND MISDEMEANORS—Continued		
Contributing to delinquency of minors	12	5
Embezzlement, miscellaneous	13	4
False pretense, trick and imposture—		
Bogus money	19	2
Miscellaneous	1	
Obtaining goods false pretenses	32	5
Obtaining money false pretenses	48	19
Obtaining money trick and device	16	3
Pickpockets	27	2
Short change artists	18	6
Short change artists, attempts	2	
Soliciting prostitution	37	6
Fictitious checks	613	150
(Arrest of E. T. Brotchi clears one case not reported)		
Fugitives	1	1
Manslaughter	1	1
Murder	8	6
(12-19-26, Mrs. Louis A. Mugler killed by Mr. Mugler, suicide; 1-21-27 Steve Plecas killed by Mike Plecas, father, 12 years, Oregon State Penitentiary (manslaughter); 1-22-27, A. Carl Joslin killed by Yvonne Littell, 3 years, Oregon State Penitentiary (manslaughter); 2-13-27, Masao Okada killed by Mrs. K. Hiraga, released (justifiable homicide); 2-19-27, Mabel James (also month-old baby girl, killed by Emery James, suicide; 4-15-27, Mo Cai killed by unknown; 6-25-27, Mrs. Zell Stebbins killed by unknown; 7-12-27, Dan Hanley killed by Fred Hartwick, released (justifiable homicide)		
Rape	9	7
Rape attempts	5	4
Robbery—		
Beating	34	7
Binding and gagging	2	1
Drugging	1	
Drunk rolling	8	2
Holdups	278	101
(Arrest of Eddie Bell and Phillip Woodard clears 2 not reported. Arrest of Thos. Jefferson Marshburn clears 2 not reported)		
Holdups, attempts	36	3
Miscellaneous	9	2
Snatching	19	6
Strongarmed	23	1
Threat to kill	17	5
Violation of laws and ordinances	9	10
Violation of United States laws	26	10
Carrying concealed weapons	2	2
Disorderly conduct	24	12
Domestic trouble	389	22
Escapes (4 outside)	47	29
Exposing person	70	5

LOCAL COMPLAINT FILES—Continued

	Reported	Cleared
MISCELLANEOUS FELONIES AND MISDEMEANORS—Continued		
Mischievous boys	73	7
Peeping Toms	51	2
MISCELLANEOUS REPORTS—		
Complaints	451	
Complaints, rent	19	
Dead animals	2	
Dead bodies found	77	
Demented	96	
Destitute persons	510	
Fire alarms	112	
Information	143	
Investigations	149	
Miscellaneous officers	225	
Poisoned animals	43	
Sick cared for	206	
Suicides	47	
Suicide attempts	75	
Suspicious characters	510	
Vicious dogs	119	
Wanted (4 outside)	31	
LOST AND FOUND PERSONS—		
Males	435	187
Females	241	119
LOST AND FOUND PROPERTY—		
Bicycles	3	3
Furniture	1	
Instruments	2	2
Jewelry	57	12
License plates	18	2
Miscellaneous	178	116
Purses	159	47
Satchels, suitcases	52	13
Watches	45	16
Wearing apparel	35	24
LOST AND FOUND ANIMALS—		
Dogs	196	52
Horses	5	3
Miscellaneous animals	6	
ACCIDENTS, NOT TRAFFIC—		
Automobiles	2	
Cave-in	3	
Electricity	4	
Elevators	3	
Explosion	7	
Firearms	6	
Flying, falling or rolling objects	9	
Gas	2	
Miscellaneous	7	
Railroads	6	
Streetcars	14	
Water	9	

LOCAL COMPLAINT FILES—Continued

	Reported	Cleared
ACCIDENTS, NOT TRAFFIC—Continued		
Falls—		
From ladder	4	
From roof	2	
From scaffold	1	
From stairway	5	
From window	3	
From woodpile	1	
Into basement	1	
Into elevator shaft	4	
Into openings	2	
Into trenches	4	
On sidewalks	11	
On streets	6	
Miscellaneous	4	
Total classified reports, including No. 82,090	13,858	3,997

Total Unnumbered Reports	32,651
Total Juvenile Reports	4,090
Total Correspondence and Circulars	1,542

AUTOMOBILE FILES

Automobiles stolen	1,708
Automobiles recovered	1,668
Automobiles unrecovered	40
Automobiles stolen prior to Dec. 1, 1926, and recovered	9
Automobiles stolen outside and recovered here	99
Automobiles embezzled	45
Automobiles embezzled, recovered	35
Automobiles embezzled, unrecovered	10
Automobiles embezzled prior to Dec. 1, 1926, and recovered	9
Automobiles embezzled outside and recovered here	16
Motorcycles stolen	17
Motorcycles recovered	17
Motorcycles stolen prior to Dec. 1, 1926, and recovered	1
Motorcycles embezzled and recovered	1
Cards put in stolen files	9,427
Cards taken from stolen files	8,578
Automobiles investigated and checked against stolen files	27,183
Private garage reports checked against stolen files	1,468
Automobiles released from police garage	5,022

PAWNSHOP FILES

Number of cards filed	17,405
Identifications made	147

FINGER-PRINT FILES

Total number of finger-prints filed	9,145
Total number photographed for local use and exchange	601
Total number of photographs printed	19,537
Photographs and other objects copied	165
Prints made from copies	526
Photographed for United States immigration authorities	168
Photographs printed for United States immigration authorities	1,558
Vagrants finger-printed for identification	2,674
Trips made from the office for latent finger-prints	118
Total number of identifications made	727
Extra photographs given out	2,365

TRAFFIC ACCIDENTS

Number of accidents	22,235
Number of persons killed	42
Number of persons injured	3,068
Number of accidents investigated	731
Number of traffic arrests	17,924
Fines collected by Municipal Court for traffic accidents	$50,505.98

COLLISIONS BETWEEN AUTOMOBILES AND THE FOLLOWING

Automobiles (2,615 injured persons; 21 persons killed)	15,948
Baby carriages	2
Bicycles (116 injured persons)	409
Broken trolley wire (1 injured person)	1
Buildings	27
Building collapsed (1 person injured)	1
Call box	1
Cart	1
Cement mixer	1
Coaster (3 injured persons)	6
Cow	1
Crane	1
Dirt pile (3 injured persons)	1
Dogs	95
Dump cart	1
Hand car (3 injured persons)	1
Horses	4
Motorcycles (123 injured persons)	413
Pedestrians	1,050
Posts	80
Runaway team	1
Sand pile	1
Scooters (4 injured persons)	9
Skates (6 injured persons)	8
Sleds (7 injured persons)	9
Steam shovel	1
Street cars (163 injured persons; 1 person killed)	1,810
Tar kettle	1
Tractor	1
Trains (18 persons injured)	80
Trees	1
Tricycle (1 person injured)	1
Trucks	2,214
Wagons (3 persons injured)	52
Wheel chair (1 person injured)	1
Cable	1
Total (3,068 persons injured)	22,235

(The fatal accidents are listed from May until November, inclusive.)

CAUSES OF THE DIFFERENT ACCIDENTS

(As near as can be determined from our reports)

Carelessness	13,959
Cutting corners	1,248
Defective brakes	91
Driving against traffic	35
Driving automobiles while intoxicated	490
Driving on left side of street	93
Failure to give right of way	3,520
Failure to give signal	1,194
Improper lights	65
Improper parking	68
Inexperienced drivers	10
Jaywalking	86
Jockeying on bridge	24
Losing control	3
Passing double at intersection	164
Passing streetcar discharging passengers	19
Passing to left of streetcar	12
Reckless driving	454
Reverse direction	15
Skidding	518
Speeding	167
	22,235

FATAL ACCIDENTS

Date	Person	Address
2-17-27	Erwin Alexander	Yamhill Hotel
11- 6-27	Mrs. J. B. Anderson	124 Knott St.
12-24-26	Mrs. Carrie Hague	7106 57th Ave.
7-12-27	E. Bow	100 E. 12th St.
3-27-27	L. A. Bragg	30 E. 12th St.
5-24-27	Jas. Stanley Coleman	1060 E. Taylor St.
3- 2-27	Truman Conser	285 Russett St.
10-26-27	Marion Crouch	1078 E. 16th St. N.
11-24-27	Winifred Cuthbert	625 E. 20th St. N.
11-21-27	W. J. Dillard	176 W. Killingsworth Ave.
10-10-27	Edward Dreffs	Stanley Station
10- 4-27	Mrs. Mary G. Everett	691 E. Stark St.
9- 2-27	John Forbes (Ford)	Couch Hotel
4-30-27	Jas. Franklyn	122 E. Second St.
6-16-27	Fred Gerlock	486 Failing St.
4-23-27	Emma Gilmore	3312 54th Ave. S. E.
12-26-26	Harold Beck	Yakima, Washington
11-19-27	Mrs. J. F. Hartenberger	6333 36th Ave.
9- 5-27	Estella Horn	1669 Third St.
3-15-27	Chas. Hyde	680 Flanders St.
4-24-27	Stanley Laphman	820 E. 74th St. N.
11- 5-27	May Leland	480 E. 52nd St.
4- 6-27	Harold Lines	Unknown
9- 6-27	Clara Meier	Rt. 6, Bx. 1376, Portland
3- 9-27	Mrs. Marian Mills	705 Sherlock S.t
3- 5-27	Fred Moeller	564 Flanders St.
6- 8-27	B. P. Morton	Vancouver, Wash.
5- 7 27	Calvin Naegley	Alderwood Dairy
4-13-27	Israel Newman	310 Sheridan St.
6-26-27	Mrs. Grace Nott	McMinnville, Oregon
4-17-27	T. M. Parker	Seattle, Washington
7-22-27	Fred P. Reidel	914 First St.
1-12-27	H. Rheiger	1388 Villard Ave.
10-13-27	Frank Robinson	695 E. 72nd St. N.
10- 3-27	John Sass	871 E. 15th St. N.
2-20-27	Mrs. Schaefer	952 Wooward Ave.
3- 6-27	Marribell Shields	1532 Chatauqua Blvd.
10- 3-27	Miss Pauline Stanley	325 Houghton Ave.
2- 1-27	Dorine Thompson	226 Grand Ave.
4-13-27	Anna Wadsworth	1210 Montana Ave.
9-23-27	Elizabeth Welch	Oswego, Oregon
8-11-27	J. H. Yates	855 Fairview Blvd.

PARKING VIOLATIONS
Window No. 3

Parked by fire hydrant	189
Parked by police sign	
Parked double	1,684
Parked in front of building entrance	460
Parked in lieu of garage	1,855
Parked in loading zone	840
Parked in "No Parking" streets (4:30-6:45)	2,703
Parked in safety zone	1,277
Parked overtime	6,192
Parked with no lights	1,671
	16,871
Number who deposited bail	7,656
Number discharged	9,215
	16,871
Amount of bail deposited	$16,820.50

INSPECTORS' DIVISION
Chief Inspector J. T. Moore, Commanding

	Assigned	Cleared
Assault	77	18
Assault with dangerous weapon	4	2
Assault, intent to kill	5	5
Assault and robbery	34	18
Attempted assault	17	5
Attempted assault and robbery	5	2
Assault and robbery, A. D. W.	5	
Assault to rape	7	5
Attempted rape	4	3
Attempt, break and enter safe	14	2
Attempted murder	1	1
Attempted holdups	25	4
Attempted larceny from house	14	1
Attempted larceny	10	3
Attempted break and enter apartment	9	1
Attempted break and enter office	5	
Attempted break and enter dwelling	176	4
Attempted break and enter shop	20	
Attempted break and enter store	33	2
Attempted break and enter public building	12	1
Attempted break and enter school	2	
Attempted burglary	1	
Holdups	250	104
Rape	11	12
Murder	9	7
Kidnapping	1	1
Burglary in dwelling	1	2
Burglary in safe by explosion	4	
Burglary in apartments	1	
Robbery	6	3
B. & E. office	22	4
B. & E. school	23	8
B. & E. restaurant	12	3
B. & E. showcase	10	1

INSPECTORS' DIVISION—Continued

	Assigned	Cleared
B. & E. apartments	20	3
B. & E. shops	38	2
B. & E. garages	21	7
B. & E. safes	14	4
B. & E. tool-houses	6	1
B. & E. buildings	18	1
B. & E. service stations	14	3
Larceny	288	154
Larceny from yard	130	23
Larceny from street	15	3
Larceny from person	56	11
Larceny from dwellings	551	95
Larceny from dwelling (F. E.)	324	65
Larceny from automobiles	515	59
Larceny from rooms	488	77
Larceny from shops	27	5
Larceny from restaurant	36	6
Larceny from buildings	135	27
Larceny from buildings under construction	29	1
Larceny from store (F. E.)	163	23
Larceny from store (S. L.)	130	36
Larceny from offices	62	4
Larceny from apartments	234	23
Larceny from porches	33	5
Larceny from garages	44	4
Larceny from safes	4	
Larceny from schools	11	4
Larceny outside	118	59
Larceny on river	15	31
Larceny by short change	14	6
Larceny by embezzlement	1	2
Larceny by trick and device	4	3
Number of cases handled	4,388	969
Reported back to Precincts	593	
Total cases for Inspectors' Division	3,795	
Total investigations for the year	4,095	

Missing persons (306 found)	676
Juveniles handled	120
Correspondence	6,000
Warrants served	428
Total number of arrests	1,216

(Average days in court and Grand Jury, 4 officers per day of the officers of Inspectors' Division.)

Check and Bank Detail—

Number of cases reported, including forgery, attempted forgery, obtaining money under false pretense, obtaining goods by false pretense, bogus money, etc.	540
Cases reported and cleared up	296
Cases not reported, but cleared up	85
Check raising cases reported and cleared up	6
Number of cases handled for out of town points	72

The following is the number of persons arrested by this detail showing the respective charges placed:

Forgery	22
Fictitious checks	42
Obtaining goods by false pretenses	2
Obtaining money by false pretenses	41
Checks, not sufficient funds	15
Fugitives	4
	126

INSPECTORS' DIVISION—AUTO THEFT DEPT.

Inspector John C. Moloney, Commanding

Local automobiles stolen	1,708
Local automobiles recovered	1,674
Local automobiles unrecovered	34
Local motorcycles stolen	17
Local motorcycles recovered	17
Local automobiles stolen in 1926, recovered in 1927	9
Automobiles recovered for other cities	99
Number of local stolen machines that carried insurance	1,215
Number of local stolen machines that carried no insurance	510
Local insured machines unrecovered	23
Local uninsured machines unrecovered	11
Total amount paid for local stolen machines	$1,486,107.00
Total value of local stolen machines	$1,064,270.00
Insurance carried on 1215 stolen machines	$732,290.00
Total amount paid for 34 unrecovered machines	$27,565.00
Total value of 34 unrecovered machines	$21,640.00
Insurance carried on 23 unrecovered machines	$12,786.00
Number of bicycles stolen	588
Number of bicycles recovered	391
Value of bicycles recovered	$11,500.00
Total number of arrests	1,016
Automobiles checked with Oregon licenses	11,125
Automobiles checked with foreign licenses	7,416
Investigations made of private garages	975
Investigations made of public garages	3,884
Investigations made of automobile parking places	2,210
Investigations made of second-hand tire shops	490
Investigations made of battery places	187
Investigations made of auto paint shops	91
Investigations made of automobile repair places	756
Investigations made of wrecking places	2,548
Investigations made of welding places	126
Investigations made of top and body works	57
Automobile camp grounds investigated	108
Investigations made of second-hand dealers' places	492
Investigations made of automobile dealers' places	21
Reports investigated	5,846

TRAFFIC DIVISION

Captain Frank Ervin, Commanding

Number of arrests	14,589
Number of days in jail	1,201
Operators' licenses suspended (days)	3,420
Amount of fines	$42,795.00

ARRESTS

Against traffic	14	Motor running unattended	20
Blocking traffic	25	No muffler	218
Cutting corners	219	No operators' license	728
Defective brakes	14	No stop	1,921
Defective muffler	97	Obstructed license plates	446
Disorderly conduct	41	Open cutouts	304
Double parking	3,684	Overtime parking	1,119
Driving while drunk	46	Parked in building entrance	15
Drunk	156	Parked by fire hydrant	150
Failure to give right of way	128	Parked in loading zone	1,175
Failure to obey signal	296	Parked in safety zone	165
Failure to signal	196	Reckless driving	110
Four in front seat	118	Reverse turn	4
Improper license	483	Speeding	4,834
Improper lights	323	Trucks on Terwilliger	31
Improper parking	370		
Liquor in possession	11		
Miscellaneous	522	Total charges	17,983

VICE DIVISION

Captain Leo A. Harms, Commanding

ARRESTS

Gambling	816
Liquor	1,237
Miscellaneous	314
Morals	504
Narcotics	164
	3,035

Of the above cases 430 were held for health tests, in addition to charges.

Amount of fines	$141,183.50
Days in jail	7,376
Continued	333
Discharged	65
Days suspended	7,780

CONFISCATED

Alcohol (gallons)	90	Morphine (grains)	840½
Amargo bitters	17	Opium (grains)	26,910
Automobiles	108	Opium bowls	53
Beer (quarts)	18,369	Opium lamps	5
Bonded (quarts)	1,123	Opium pipes	6
Cocaine (ounces)	1	Opium scales	6
Coal oil (gallons)	45	Opium outfits	39
Electric agers	4	Paragoric (ounces)	32
Electric heaters	3	Punch boards	78
Gambling money	$962.63	Revolvers	5
Gin (pints)	569	Stills	56
Hand bags	4	Saki (gallons)	60
Heater	1	Sugar (pounds)	3,600
Hypo. outfits	5	Tr. opium (ounces)	1
Malt syrup (gallons)	10	Trunks	2
Marawauna (pounds)	200	Wine (gallons)	6,113
Mash (gallons)	20,328	Yen shee (grains)	7,675
Moonshine (pints)	21,293		

In addition to the above confiscated articles, there were a number of tables, chairs, cards and chips.

WOMEN'S PROTECTIVE DIVISION

Superintendent Martha Randall in Charge

Continued cases	183	Investigations	1,289
New cases	1,994	Amusement centers visited	228
Reopened cases	275	Homes visited	1,719
Adults	1,433	Public buildings, hotel, offices visited	837
Juveniles	1,510	Office calls	7,217
Married	889	Assistance financial, meals and lodgings	651
Single	584	Assistance not financial	301
Reported anonymously	65	Employment found	36
Reported from outside	365	Letters written	865
Reported from Police Bureau	447	Wages collected	7
Reported voluntarily	1,514		
Interviews	4,339		

REASONS FOR COMPLAINTS

Adultery	1	Murder, threat to	1
Assault	10	Neighborhood trouble	36
Assault and battery	24	News ads	11
Attempted assault	3	Non-support	17
Bastardy	1	Perversion	2
Checks	6	Polygamy	1
Contributing to delinquency of minors	51	Pregnant—Married	13
Dependent adult	25	Minors	12
Desertion	39	Single	12
Destitute	10	Rape	1
Disorderly conduct	103	Rape, attempted	11
Distribution of obscene matter	1	Seduction	1
Domestic trouble	214	Sick	50
Drugs	25	Suicide	2
Employment	40	Suicide, attempted	5
Escapes—Missing	149	Sodomy	6
Escapes—Missing—Located	65	Suspicious conduct	262
Forgery	1	Vagrancy	23
Health	66	Weapons, carried concealed	1
Incest	1	White slavery	16
Kidnap	2	Minors—Cruelty	16
Larceny	49	Delinquent	181
Lewd cohabitation	27	Dependent	165
Liquor	36	Escapes—Missing	322
Mental—Feebleminded	18	Missing—Located	206
Insane	26	Incorrigible	88
Unbalanced	26	Neglected	167
Miscellaneous	2	Obscene writing	2
Murder	1	Rape	32
		Selling papers on street	10
		Violating curfew law	305

COMPLAINTS FILED

Assault	7	Larceny	18
Assault and battery	10	Lewd cohabitation	3
Contributing to delinquency of minors	39	Murder	1
Cruelty	5	Non-support	1
Delinquent	76	Rape	32
Dependent	70	Rape, attempted	13
Disorderly conduct	41	Seduction	1
Distributing obscene matter	1	Sodomy	5
Feebleminded	3	Threat to commit a felony	1
Forgery	2	Vagrancy	18
Health	10	Violating curfew law	6
Immoral conduct	5	Violating prohibition law	14
Incest	2	Violating narcotics act	6
Insane	19	White slavery	12

REFERRED TO THE FOLLOWING

City Attorney	12	Police Bureau	110
Civil officers	6	Rescue homes and institutions	91
Court of Domestic Relations	153	Special agents	23
District Attorney	56	Relatives	117
Federal authorities	11	Court cases	210
Local agencies	68		
Outside agencies	24		

TOTAL ARRESTS OF ENTIRE DEPARTMENT

Number of arrests	31,452
Number of males (American)	25,326
Number of males (foreign)	3,356
Number of females (American)	3,089
Number of females (foreign)	198
Number of females (American, juvenile)	105
Number of males (American, juvenile)	1,718
Number of males (foreign, juvenile)	13
	33,805

(There were 33,805 charges preferred against 31,452 arrested.)

TOTAL ARRESTS ENTIRE DEPARTMENT—NATURE OF CRIME

	Americans		Juveniles		Foreigners		Total
	Male	Female	Male	Female	Male	Female	
Addicts	39	11	.....	.....	3	.....	53
After Hours	337	15	11	6	51	.....	420
Assault	9	.....	.....	.....	.....	.....	9
Assault Attempts	1	.....	.....	.....	.....	.....	1
Assault, Intent to Rape	5	.....	.....	.....	.....	.....	5
Assault, Intent to Kill	1	2	.....	.....	.....	.....	3
Assault and Battery	177	20	2	.....	36	2	237
Assault with Dangerous Weapon	16	1	.....	.....	8	.....	25
Assault and Robbery	41	1	3	.....	3	.....	48
Assault and Robbery, Dangerous Weapon	10	.....	.....	.....	.....	.....	10
Automobiles—							
Improper Lights	264	19	25	.....	5	.....	313
Defective Muffler	166	3	9	.....	4	.....	182
No Muffler	189	1	17	.....	1	.....	208
Violation For-Hire Ordinance	13	.....	.....	.....	.....	.....	13
No Operator's License	661	67	36	.....	18	.....	782
Careless Operation	25	3	.....	.....	1	.....	29
Violation State Motor Vehicle Law	1489	82	35	.....	34	1	1,641
Being Behind Barred Doors	137	.....	.....	.....	320	.....	457
Begging	47	1	.....	.....	5	1	54
Burglary	28	2	37	.....	6	.....	73
Burglary Attempts	6	.....	8	.....	.....	.....	14
Burglar Tools in Possession	4	.....	.....	.....	.....	.....	4
Carrying Concealed Weapons	36	.....	3	.....	13	.....	52
Chauffeurs—No License	187	.....	5	.....	3	.....	195
Conducting Business, No License	63	2	1	.....	12	.....	78
Contributing to Deliquency of Minors	24	6	.....	.....	.....	.....	30
Cruelty to Animals	8	.....	.....	.....	3	.....	33
Conducting Bawdy House	.....	4	.....	.....	.....	.....	8
Defrauding Innkeeper	1	.....	.....	.....	.....	1	5
Demented	16	3	.....	.....	.....	.....	1
Disorderly Conduct, Fighting	14	1	.....	.....	8	1	28
Disorderly Conduct	506	133	103	9	4	1	20
Deserters	3	.....	1	.....	126	11	888
Disorderly Conduct, Attempt Suicide	.....	.....	.....	.....	.....	.....	4
Drunks	2,243	151	9	.....	4	.....	4
Drunk and Disorderly	430	89	2	.....	812	8	3,223
Driving While Intoxicated	235	2	.....	.....	111	4	636
Dogs, No License	112	3	.....	.....	41	.....	278
En Route	34	3	.....	.....	1	.....	116
Escapes	6	1	10	2	5	.....	42
Fictitious Checks	57	3	2	.....	.....	1	20
Forgery	23	.....	1	.....	12	2	76
Fugitive from Justice	70	6	4	1	2	.....	26
Gambling	117	2	5	.....	5	.....	86
Gambling, Visiting	62	3	.....	.....	54	2	180
Gambling, Conducting	21	.....	.....	.....	37	.....	102
Gambling, Paraphernalia in Possession	.....	.....	.....	.....	5	1	27
Held for Authorities	3	.....	.....	.....	.....	.....	21
Held for Health Department	109	9	17	.....	18	.....	142
Held as Witness	4	281	.....	.....	7	.....	293
Held for U. S. Government	17	12	.....	1	1	6	47
Held for Women's Division	149	47	4	.....	14	.....	294
Impersonating an Officer	4	12	5	1	91	1	24
Interfering with an Officer	12	.....	.....	8	.....	.....	12
Immoral Women	1	2	.....	.....	.....	.....	3
Indecent Exposure	.....	136	.....	.....	.....	.....	138
Juvenile Delinquency	5	.....	3	.....	.....	2	8
	.....	.....	59	3	.....	.....	62

TOTAL ARRESTS ENTIRE DEPARTMENT—NATURE OF CRIME—Continued

	Americans		Juveniles		Foreigners		Total
	Male	Female	Male	Female	Male	Female	
Larceny	174	34	172	.....	26	.....	406
Larceny Attempts	3	.....	6	.....	.....	.....	9
Larceny of Automobiles	69	2	70	.....	6	.....	147
Larceny of Automobile Accessories	4	.....	1	.....	1	.....	6
Larceny of Bicycles	.....	.....	27	.....	.....	.....	27
Larceny from Dwellings	8	.....	6	.....	2	.....	16
Larceny from Automobiles	12	.....	15	.....	.....	.....	27
Larceny of Motorcycles	5	.....	.....	.....	.....	.....	5
Larceny from Stores	8	1	9	.....	4	.....	22
Larceny from Person	5	6	1	.....	4	.....	16
Larceny from Rooms	1	.....	1	.....	.....	.....	2
Lewd Cohabitation	6	7	.....	.....	.....	.....	13
Lodgers	6	8	2	.....	4	3	23
Lost Children	.....	.....	12	3	.....	.....	15
Lost Persons	1	5	.....	.....	2	1	9
Lottery, Conducting	.....	.....	.....	.....	31	3	34
Lottery, Visiting	76	1	.....	.....	40	.....	117
Lottery Paraphernalia in Possession	6	.....	.....	.....	60	1	67
Maintaining Nuisance	12	4	.....	.....	3	2	21
Manslaughter, Involuntary	3	.....	.....	.....	3	.....	6
Manslaughter	1	.....	.....	.....	.....	.....	1
Minors in Pool Hall	11	.....	2	.....	.....	.....	13
Minors in Pool Hall (Allow)	3	.....	.....	.....	.....	.....	3
Minors, Tobacco in Possession	22	.....	81	.....	.....	.....	103
Murder	1	1	.....	.....	.....	1	3
Narcotics in Possession	2	.....	.....	.....	7	1	10
Obtaining Money False Pretenses	49	10	4	1	5	.....	69
Obtaining Money False Pretenses, Attempt	1	.....	.....	.....	.....	.....	1
Parole Violators	5	.....	.....	.....	.....	.....	5
Rape	26	.....	.....	.....	6	.....	32
Rape Attempts	.....	.....	.....	.....	1	.....	1
Resisting an Officer	19	1	.....	.....	4	.....	24
Reckless Driving	390	13	15	.....	40	.....	458
Robbery	6	.....	1	.....	2	.....	9
Receiving Stolen Property	3	1	.....	.....	.....	.....	4
Robbery Attempts	2	.....	.....	.....	.....	.....	2
Robbery, Holdups	1	.....	1	.....	.....	.....	2
Runaway Children	3	.....	45	9	.....	.....	57
Scavenger Wagon Violations	9	.....	.....	.....	35	.....	44
Sodomy	2	.....	.....	.....	1	.....	3
Sodomy Attempts	2	.....	.....	.....	.....	.....	2
Selling Tobacco to Minors	12	3	.....	.....	1	.....	16
Stolen Goods in Possession	31	5	.....	.....	3	.....	44
Soliciting on Street	1	257	.....	.....	5	19	282
Tampering with Automobiles	21	6	.....	.....	.....	.....	27
Throwing Glass in Street	43	3	.....	.....	3	.....	49
Throwing Rubbish in Street	2	.....	.....	.....	.....	1	3
Trespassing	35	1	30	.....	5	2	73
Threatening to Commit a Felony	14	.....	.....	.....	5	.....	19
Using Profane and Abusive Language	25	15	13	.....	8	.....	61
Vagrancy	1,402	152	19	.....	268	13	1,854
Violation of City Ordinance	178	19	17	2	23	7	246
Violation of Building Ordinance	55	1	.....	.....	3	.....	59
Violation of Bill Posters' Ord	1	.....	.....	.....	.....	.....	1
Vicious Dog at Large	1	.....	.....	.....	.....	.....	1
Violatiou of Curfew Ordinance	.....	.....	430	59	.....	.....	489
Violation of Fire Ordinance	26	4	.....	.....	1	.....	31
Violation of Hotel Ordinance	7	1	1	.....	2	.....	11

TOTAL ARRESTS ENTIRE DEPARTMENT—NATURE OF CRIME—Continued

	Americans		Juveniles		Foreigners		Total
	Male	Female	Male	Female	Male	Female	
Violation of Market Ordinance	5		1		10		16
Violation of Mashers' Ordinance	42		7		6		55
Failure to Remove Snow and Ice	115	39	1		12		167
Throwing Rubbish on Vacant Lot	62	3	1		3		69
Violation Prohibition Law	976	223	6		330	86	1,621
Violation Harrison Narcotic Act	9	1			49	1	60
Violation Traffic Ordinance	2,788	205	35		120	2	3,150
Failure to Give Right-of-Way	263	18	3		20		304
Failure to Signal	111	13			1		125
Failure to Stop	1,876	272	38		32		2,218
Cutting Corners	184	15	5		4		208
Four in Front Seat	170	4	6		4		184
Open Cutouts	271		29		2		302
Parking Overtime	1,489	100	4		53	5	1,651
Speeding	2,431	117	145		25	1	2,719
Double Parking	3,476	375	32		184	4	4,071
Using Street for Garage	3	1					4
Miscellaneous—							15
Seduction	2						
Injured	1						
Sick	1	2					
Damaging Personal Property							
Violation Gambling Ordinance			2		1		
Held for Grand Jury Investigation							
Adultery	1						
Bigamy							
False Advertising		1			1		
Attempting to Bribe Officer	1						
Non-Support							
	1				1		
Total	25,326	3,089	1,718	105	3,356	198	33,792

Violation curfew law (foreign male juveniles)	2
Runaway boys (foreign male juveniles)	3
Fictitious check (foreign male juvenile)	1
Larceny (foreign male juvenile)	1
Larceny of automobile (foreign male juvenile)	1
Violation market ordinance (foreign male juvenile)	1
Burglary (foreign male juvenile)	1
Cigarettes in possession (foreign male juvenile)	1
Held for authorities (foreign male juvenile)	1
Double parking (foreign male juvenile)	1
	13

BULLETINS ISSUED

Commercial	19,652
Daily	213,840
Semi-monthly	60,000
	293,492

Bail receipts	$457,194.90
Municipal Court receipts	$191,704.54

CENTRAL STATION

Captain Fred M. West, Commanding

Number of arrests	6,198
Number of reports and investigations	12,024
Ambulance runs	339
Number of calls answered	4,221
Number of wagon runs	7,286
Number of motorcycle runs	6,194
Number of fire alarm runs	206
Number of harbor patrol runs	316
Number of shot-gun squad runs	3,787
Number of automobiles tagged	2,342
Number of automobiles recovered	116
Number of warrants taken out	8,284

EAST SIDE SUB-STATION

Captain H. A. Lewis, Commanding

Number of arrests (415 juveniles)	2,148
Number of reports and investigations	6,095
Ambulance calls	46
Emergency motorcycle calls	1,509
Patrol wagon calls	826
Motor vehicles tagged, traffic violations	1,558
Warrants handled	2,839
Subpoenas served	151
Jury summons served	57

STOLEN PROPERTY RECOVERED

Automobiles recovered	85
Bicycles recovered	26
Chickens	11
Tire	1

CONFISCATED

Air pumps	2	Gin (quarts)	2
Automobiles held for confiscation	8	Grain alcohol (gallons)	20
Beer (bottles)	2,073	Malt syrup (gallons)	10
Beer capper	1	Mash (gallons)	3,600
Beer caps (sacks)	1	Moonshine whiskey (pints)	3.310
Bonded whiskey (quarts)	64	Oil burners	4
Coal oil (gallons)	15	Pressure tanks	4
Crocks	13	Stills	8
Empty beer bottles	41	Sacks sugar	11
Empty gallon jugs	50	Wash boilers	2
Empty ten-gallon kegs	5	Wine (gallons)	1,006
Gallon tin cans	50	Wine (quarts)	32

ALBINA SUB-STATION

Captain H. A. Circle, Commanding

Number of arrests (368 juveniles)	1,166
Number of reports and investigations	11,679
Emergency motorcycle runs	1,441
Wagon runs	522
Ambulance runs	40
Public lights reported out	1,143
Tags and police notices	4,130
Suspicious cars investigated	170
Missing persons reported	180
Missing persons found	149
Warrants handled	2,916
Warrants, search	24
Warrants, bench	5
Jury summons	52
Subpoenas	149
Commitment	1
Library bills	442

STOLEN PROPERTY RECOVERED

Automobile robes	2
Bicycles	16
Cars	173
Cash or equivalent	$107.79
Revolver	1
Safe (store), and contents (papers)	.....
Watches	5
Miscellaneous articles	43

LOST PROPERTY FOUND

Assorted lot new garden tools	.....	Lawnmower, new	1
Assorted jewelry lot	.....	Lost galvanized ware (store)	.....
Automobile driver's license	2	Note book	.....
Automobile license plates	30	Packages, personal property	4
Bicycles abandoned	27	Purses	8
Badges, public service	6	Rims, automobile	3
Bank check	.....	Safe keys	2
Blankets	3	Scooter	1
Box groceries	.....	Street signs	2
Cars abandoned	12	Pliers	1
Cash	$9.44	Tire cover	1
Check books	2	Tires, automobile	12
Dogs	1	Suitcases	1
Gum machines	3	Trousers, pair	1
Handbags	3	Watches	3
Hats	2	Wrenches	2
Handcuffs and key	.....	Miscellaneous articles, lots	4

CONFISCATED

Air guns	8	Gum machines	2
Basket	1	Moon (gallons)	84
Beer (gallons)	23	Moon mash (gallons)	1,150
Beer mash (gallons)	76	Punch board	1
Bottles	217	Glass jug	.....
Brandy (gallons)	20	Revolvers	2
Burglar tool	1	Stills	3
Flashlight	1	Suitcases	3
Cars	2	Wine (gallons)	61
Glasses (serving)	25	Wine mash (gallons)	6
Malt syrup (quarts)	10		

ST. JOHNS SUB-STATION

Captain C. A. Inskeep, Commanding

Number of arrests (57 juvenile)	441
Number of reports and investigations	1,919
Emergency calls	169
Wagon calls	69
Automobiles tagged for violating traffic ordinances	39
Arc lights reported out	89
Stolen automobiles recovered	14
Stolen bicycles recovered	7
Stolen horse, watch and rifle recovered	.....
Missing persons returned to their homes	10
Total fines (of which $35 was suspended)	$1,863.00
Bail forfeited	$339.00
Total days in jail (of which 105 were suspended)	672

Respectfully submitted,

LIEUT H. M. NILES, BUREAU OF RECORDS.

INSPECTORS' DIVISION

ANNUAL REPORT OF INSPECTORS' DIVISION FOR THE YEAR ENDING NOVEMBER 30, 1927

Portland, Oregon, January 24, 1928.

L. V. JENKINS, CHIEF OF POLICE.

Sir: I am presenting herewith the annual report of the Inspectors' Division for the year ending November 30, 1927.

The work of the division is constantly increasing due to the growth of the city, the increase of crimes of greater magnitude all over the country as well as here, but the men of the division as a rule work hard and faithfully with the result that perpetrators of crimes of more than a fair percentage are apprehended and punished.

The business handled daily in the office of the Inspectors' Division has also greatly increased, as an average of 400 telephone calls attest, some need immediate attention and some seek advice.

Also an avrage of 200 people approach the desk daily in the office of the division seeking information and guidance in their troubles, which crowd myself and desk officers for time.

The ideas of "Crime Prevention" have been followed in the maze of other work with excellent co-operation from nearly all parties consulted regarding the safe-guarding of persons, valuables, moneys, etc., bankers, merchants and business houses in general having availed themselves of the offers of assistance in the matter of prevention of crime in ways and manners prescribed by the department.

This co-operation between business houses and the Police Bureau in crime prevention work and the activity of this division in particular has had a tendency to leave the insurance rates as they have been in past, while those in States to the North and South of us carry a much higher premium and in some instances a prohibitive figure.

The appended sheets contain a summarized report of the work done by the division during the year, showing arrests made, cases handled and cleared, missing persons reported and found, juveniles handled, correspondence handled, warrants served, average days in court of officers of the division, subpoenas served, etc.

Respectfully submitted,

J. T. MOORE, CHIEF INSPECTOR OF POLICE.

ARRESTS MADE

Assault, armed dangerous weapon	6
Assault and robbery	17
Assault and robbery, A. D. W.	37
Assault, A. D. W., intent to kill	6
Assault and battery	11
Assault, intent to rape	4
Assault, intent to rob	4
Murder	3
Rape	16
Held for U. S. government	9
Held for U. S. Department of Justice	16
Held for U. S. postal inspectors	8
Held for U. S. Immigration Department	5
Held for U. S. Army (deserter)	1
Held for U. S. Secret Service	5
Hely for U. S. Navy (deserter)	3
Held for County Coroner	6
Held as material witness	11
Held for District Attorney	2
Held for Women's Protective Division	1
Held for Constable	1
Forgery	29
Checks, no funds	1
Checks, not sufficient funds	21
Fictitious checks	44
Obtain money by false pretense	46
Obtain goods by false pretense	7
Obtain property by false pretense	2
Attempt forgery	1
Attempt obtain money by false pretense	1
Alter checks	1
Drunk	33
Disorderly conduct	19
Fugitives	77
Vagrants	308
Cigarettes in possession	1
Desert family	1
Receive stolen property	1
Stolen goods in possession	19
Conceal stolen property	1
Dispose of stolen property	1
Burglary	8
Burglary, not in a dwelling	14
Burglar tools in possession	3
Burglary in dwelling	2
Threat to commit a felony	5
Attempt compound a felony	2
Manslaughter	1
Drive auto while intoxicated	3
Grand larceny	1
Larceny	126
Larceny by bailee	10
Larceny by embezzlement	6
Larceny from store	19
Larceny of auto	6
Larceny from person	3
Larceny from room	2
Larceny from dwelling	9
Larceny from building	1
Attempt larceny	2
Larceny by trick and device	3
Larceny from auto	2
Larceny from apartment	1
Bigamy	1
Possess still	1
Liquor in possession	4
Break glass in street	1
Use mails to defraud	1
Trespass	7
After hours	19
After curfew	1
Speeding	2
Carry concealed weapons	5
Lewd cohabitation	2
Violate hotel ordinance	1
Peeping Tom	1
Fail to stop at through traffic street	1
Addict	1
Make false report	1
Peddle, no license	1
Lodger	1
Lottery paraphenalia in possession	1
Visit gambling	12
Gambling paraphenalia in possession	1
Bunko	1
Beg on street	2
Malicious destruction of property	1
Break and enter	2
Attempt B. and E. safe	2
Impersonate federal officer	2
Runaway girls	2
Juveniles	118
B. and E. store	1
Total arrests made	1,216

CASES HANDLED

	No. Reported	No. Cleared
Assault	77	18
Assault, A. D. W.	4	2
Assault, intent to kill	5	5
Assault and robbery	34	18
Attempt assault	17	5
Attempt assault and robbery	5	2
Assault and robbery, A. D. W.	5	0
Assault to rape	7	5
Attempt rape	4	3
Attempt B. and E. safe	14	2
Attempt murder	1	1
Attempt holdup	25	4
Attempt larceny from house	14	1
Attempt larceny	10	3
Attempt B. and E. apartment	9	1
Attempt B. and E. office	5	0
Attempt B. and E. dwelling	176	4
Attempt B. and E. shop	20	0
Attempt B. and E. store	33	2
Attempt B. and E. public building	12	1
Attempt B. and E. school	2	0
Attempt burglary	1	0
Holdup	250	104
Rape	11	12
Murder	9	7
Kidnapping	1	1
Burglary in dwelling	1	2
Burglary in safe explosion	4	0
Burglary in apartment	1	0
Robbery	6	3
B. and E. office	22	4
B. and E. school	23	8
B. and E. restaurant	12	3
B. and E. showcase	10	1
B. and E. apartment	20	3
B. and E. shop	38	2
B. and E. garage	21	7
B. and E. safe	14	4
B. and E. tool house	6	1
B. and E. building	18	1
B. and E. service station	14	3
Larceny	288	154
Larceny from yard	130	23
Larceny from street	15	3
Larceny from person	56	11
Larceny from dwelling	551	95
Larceny from dwelling (F. E.)	324	65
Larceny from auto	515	59
Larceny from room	488	77
Larceny from shop	27	5
Larceny from restaurant	36	6
Larceny from building	135	27
Larceny from building under contsruction	29	1
Larceny from store (F. E.)	163	23
Larceny from store (S. L.)	130	36
Larceny from office	62	4
Larceny from apartment	234	23
Larceny from porch	33	5

CASES HANDLED—Continued

	No Reported	No. Cleared
Larceny from garage	44	4
Larceny from safe	4	0
Larceny from school	11	4
Larceny outside	118	59
Larceny on river	15	31
Larceny by short change	14	6
Larceny by embezzlement	1	2
Larceny by trick and devise	4	3
Total cases reported	4,388	
Reported back to precincts	593	
Total cases for this division	3,795	
Total investigations for the year	4,095	
Total cases cleared	.....	969

Total cases referred to their respective precincts, including larceny from yard, larceny from street, larceny from porch, larceny from building under construction, larceny outside, etc.; these cases came under a heading of regular uniform police work and did not require any further investigation by this bureau 593

Missing Persons—
Reported 676
Found 306

It is estimated that 95 per cent of the remaining unfound parties returned home and this Bureau received no word of same.

MISSING PERSON DETAIL

Missing Person Detail handled 963 pieces of correspondence pertaining to its work, from outside points, these all require an investigation. The above number of cases of missing persons, reported and found also correspondence handled does not include confidential investigations and conferences with fathers and mothers, wives and husbands, concerning missing members of families and friends, or letters written to other cities concerning addresses of missing friends and relatives of residents of this city, of which only an estimated number of 200 can be given and which probably is twice that number.

Juveniles handled by the Division 120
Correspondence handled 6,000
Warrants served 428

Average days in Court and Grand Jury, 4 officers per day of the officers of this division.

CHECK AND BANK DETAIL

Number of cases reported, including forgery, attempted forgery, obtain money by false pretense, obtain goods by false pretense, bogus money, etc.	540
Cases reported and cleard up	296
Cases not reported, but cleared up	85
Check raising cases reported and cleared up	6
Number cases handled for out of town points	72

The following is the number of persons arrested by this detail showing the respective charges placed:

Forgery	22
Fictitious checks	42
Obtain goods by false pretense	2
Obtain money by false pretense	41
Checks, not sufficient funds	15
Fugitives	4

For further information see detailed list of report made by this division on the Check and Bank Detail work, which is berewith attached.

Portland, Oregon, January 24, 1928.

J. T. MOORE, CHIEF INSPECTOR OF POLICE.

Sir: The following is a report of the work handled by the Check and Bank Detail of the Inspectors' Division from December 1, 1926, to November 30, 1927, inclusive:

Number of cases reported, including forgery, attempt forgery, O. M. F. P., O. G. F. P., bogus money, etc	540
Cases reported and cleared up	296
Cases not reported, but cleared up	85
Check raising cases reported and cleared up	6
Number of cases handled for out of town points	72

The following is the number of persons arrested, and the respective charge placed:

Ficitious checks	42
Forgery	22
Attempt forgery	0
O. M. F. P.	41
O. G. F. P.	2
Fugitives arrested	4
Total arrests made	111

There were 18 automobiles purchased by bogus checks, 12 of which were delivered, and later all were recovered, by the clearing up of the case.

As the above report will show, the Check and Bank Detail had made a very good record for the past year, particularly when the fact is taken into consideration that this class of criminal is a very elusive individual, and as it so happens in many cases, the "profession" is followed by educated and clever men, whose abundant mental gifts and talents are continually used to match wits with the law. We must, however, give great credit to the close co-operation of the members of the Police Bureau, and to the banks and merchants who are always willing and ready to render all possible assistance.

Great credit is also due to the instructive methods of prevention

put in operation by the head of this division, Captain Moore, as having the Check Detail call on the various stores and banks and other places where lax methods were in operation, giving them information and facts to protect the business men in helping to protect their property against this class of swindler. One hundred and fifty such calls were made, and an inestimable amount of property and money was saved the business men in this way. During the past year it is estimated that the increase in bad checks reported will amount to about 20 per cent. This is accounted for in the increase in population, and the further fact that the merchants are being educated to always report these cases, which was not done in past.

Calls are made at the outlying banks at least once a week and the down-town banks are visited nearly every day, for the purpose of keeping alive the close co-operation on this work. During the year we were called upon by different credit associations and community business men's clubs to deliver instructive talks on what constitutes bad checks, the best method of dealing with this practice, and etc., and 21 such talks were made.

Respectfully submitted,

T. SWENNES, POLICE INSPECTOR.

AUTO THEFT DIVISION

Portland, Oregon, November 30, 1927

L. V. JENKINS, CHIEF OF POLICE.

Dear Sir: I hereby submit the following report of the work done by the Auto Theft Division for the year ending November 30, 1927:

Local autos stolen	1,708
Local stolen autos recovered	1,674
Local stolen autos unrecovered	34
Local motorcycles stolen	17
Local motorcycles recovered	17
Local motorcycles unrecovered	0
Local autos stolen in 1926, recovered in 1927	9
Autos recovered for other cities	99
Number local stolen machines that carried insurance	1,215
Number local stolen machines that carried no insurance	510
Local insured machines unrecovered	23
Local uninsured machines unrecovered	11
Total amount paid for local stolen machines	$1,486,107.00
Total value of local stolen machines	$1,064,270.00
Insurance carried on 1,215 stolen machines	$732,290.00
Total amount paid for 34 unrecovered machines	$27,565.00
Total value of 34 unrecovered machines	$21,640.00
Insurance carried on 23 unrecovered machines	$12,786.00
Number of bicycles stolen	558
Number of bicycles recovered	391
Value of bicycles recovered	$11,500.00

RECORD OF ARRESTS AND THE OFFENSES FOR WHICH THE ARRESTS WERE MADE

Larceny of auto	156
Larceny of motorcycles	5
Larceny	161
Improper license	296
Larceny by bailee	18
Driving while drunk	4
Violation state motor law (no license plates)	3
Drunk	21
Embezzlement of auto	2
Fugitive	12
Stolen goods in possession	8
Violation Mann Act	5
Held as witness	7
Tampering with auto	12
Hit and run driver	3
Carrying concealed weapons	2
Reckless driving	15
Burglary and stolen goods in possession	1
Disorderly conduct	30
Violation state motor law (no brakes)	1
Vagrancy	75
Truancy	1
Burglarly	4
Defrauding an inn keeper	1
Passing stop sign	7
Violation state motor law	6
Speeding	54
Violation hotel ordinance	4
Extortion	1
Vagrancy and lottery tickets in possession	1
Impersonating an officer	1
Failing to register	4
Possession of liquor	14
Receiving stolen goods	2
Failing to give right of way	4
Improper license plates	2
After hours	9
Held for U. S. Immigration Department	1
Violation state law (4 in coupe)	7
No operator's license	5
Arrested for traffic dept	1
O. M. F. P.	4
Double parking	3
No visitors' permit	3
Passing standing street car	1
Buying stolen goods	1
Violation Dyer Act	1
Driving against traffic	2
Smoking	1
Runaways	4
Obscured license plates	1
Deserter from Navy	1
Assault and robbery	4
Attempted rape	1
Driving while drunk and 4 in coupe	1
Mutilated license plates	1
Open cutout	1
Escape from training school	2
Held for Woman's Division	1
Jockeying on bridge	2
Breaking glass in street	2
Violation curfew law	6
Violation masher's ordinance	3
Speeding and liquor in possession	2
Fictitious checks	1
Blocking traffic	1
Total number of arrests	1,016

INVESTIGATIONS MADE

Autos checked with Oregon licenses	11,125
Autos checked with foreign licenses	7,416
Investigations made of private garages	975
Investigations made of public garages	3,884
Investigations made of auto parking places	2,210
Investigations made of second-hand tire shops	490
Investigations made of battery places	187
Investigations made of auto paint shops	91
Investigations made of auto repair places	756
Investigations made of wrecking places	2,548
Investigations made of welding places	126
Investigations made of top and body works	57
Auto camp grounds investigated	108
Investigations made of second-hand dealers' places	492
Investigations made of auto dealers' places	21
Reports investigated	5,846

Respectfully submitted,

J. T. MOORE, CHIEF INSPECTOR OF POLICE.

TRAFFIC DIVISION

Portland, Oregon, December 16, 1927.

L. V. JENKINS, CHIEF OF POLICE.

Dear Sir: The activities of the Traffic Department and Speed Squad combined for the year 1927 is as follows:

Total amount of money	$42,795
Total number of arrests	14,589
Total days in jail	1,201
Days operators' license suspended	3,420
Parked in loading zone	1,175
Double park	3,684
Overtime park	1,119
Fail to obey signal	296
Improper parking	370
Improper license	483
Parked in safety zone	165
Parked by fire hydrant	150
Drunk	156
Obstructed plates	446
Cut corner	219
Speeding	4,834
No stop	1,921
Liquor in possession	11
Blocking traffic	25
Fail to give right of way	128
Reckless driving	110
Parked in building entrance	15
Defective muffler	97
Driving while drunk	46
Four in front seat	118
No operator's license	728
Disorderly conduct	41
Defective brakes	14
Reverse turn	4
Motor running unattended	20
No muffler	218
Fail to signal	196
Open cutout	304
Trucks on Terwilliger Boulevard	31
Against traffic	14
Improper lights	323
Miscellaneous	522

Respectfully submitted,

CAPTAIN FRANK ERVIN, COMMANDING TRAFFIC DEPT.

MOTORCYCLE SPEED SQUAD

Portland, Oregon, Dec. 15, 1927.

L. V. JENKINS, CHIEF OF POLICE.

Dear Sir: The activities of the Motorcycle Speed Squad for the year 1927, is as follows:

Total amount of fines	$29,424.50
Number of days in jail	790
Number days operators' license suspended	3,420
Total numbers of arrests	10,345
Speeding	4,806
Loading zone	118
No muffler	218
Fail to stop	1,874
Improper license	267
Fail to give right of way	118
No operator's license	640
Obscured plates	427
Double park	1,370
No parking	126
Fail to signal	196
Open cutout	304
Fail to render aid	3
Motor unattended	15
Reckless driving	82
Defective muffler	80
Drunk	38
Overtime parking	17
Trucks on Terwilliger Boulevard	31
Driving while drunk	24
Defective brakes	11
Four in front seat	89
No mirror	10
Driving against traffic	14
Disorderly conduct	13
Miscellaneous	357
Cutting corner	215
Improper lights	323

Respectfully submitted,

CAPTAIN FRANK ERVIN, COMMANDING TRAFFIC DEPT.

UNIFORM DIVISION OF HEADQUARTERS

Portland, Oregon, December 1, 1927.

L. V. JENKINS, CHIEF OF POLICE.

Sir: Following is the annual report of the Day, First and Second Night Reliefs, and the Shot Gun Squad, for the year ending November 30, 1927:

REPORT OF UNIFORM DIVISION OF HEADQUARTERS

	Day Relief	First Night Relief	Second Night Relief	Shot Gun Squad	Totals
Assault and Battery	45	21	4		70
Assault and Robbery	1	4	3	1	9
Assault with Intent to Rob		1			1
Assault with Intent to Rape	1				1
Assault with a Dangerous Weapon		2		1	3
Attempted Assault	2				2
Attempted Larceny	2				2
Attempted Suicide	2	1			3
Attempted Burglary		2	7		9
Attempted Holdup		4	5		9
Attempt to Break and Enter and Larceny of Auto		1			1
Auto Accident	2	4	1	1	8
Accosting Men on the Street		3			3
Allowing a Vicious Dog to Run at Large	1				1
After Hours	1	22	70	12	105
After Hours and Larceny			3		3
Arson				1	1
After Hours and Liquor in Possession		1			1
Behind Barred Doors	47				47
Burglary		3			3
Burglary in a Store		1			1
Break in House	4				4
Break and Enter—Juveniles		4			4
Break and Enter	5	2	3		10
Begging on the Street	1	2			3
Blocking Building Entrance		3			3
Breaking Glass in the Street		5	1	1	7
Bad Boys	2	1			3
Conducting a Lottery	6				6
Conducting a Gambling Game		1			1
Claiming to be a Police Officer	1				1
Contributing to Delinquency of a Minor	3	5		1	9
Carrying Concealed Weapons		5	1	2	8
Carrying Concealed Weapons and Threat to Commit a Felony		1			1
Committing a Disorderly Act		3			3
Chimney Sweep, no License	1				1
Crying Wares on Public Street	1	4			5
Commit an Indecent and Immoral Act	1				1
Careless Operating of an Auto	1				1
Commit a Lascivious Act on Public Highway		1			1
Curfew Violators		49	2		51
Drunk	851	985	374	35	2,245
Drunk and Disorderly	20	112	65	6	203
Drunk and Vagrancy	2	41	6	1	50
Drunk and Liquor in Possession		23	17	1	41
Drunk and Reckless Driving		1			1
Drunk and After Hours			2		2

REPORT OF UNIFORM DIVISION OF HEADQUARTERS—Continued

	Day Relief	First Night Relief	Second Night Relief	Shot Gun Squad	Totals
Drunk and Disorderly, Carrying Concealed Weapons			4		4
Drunk and Lottery Tickets in Possession		1			1
Drunk and Breaking Glass in the Street		2			2
Drunk and Failing to Pay Taxi		1			1
Disorderly Conduct	39	74	58	6	177
Disorderly Party	2	5	2		9
Disorderly Conduct and Attempt to Sell Liquor to Minor		2			2
Disorderly by Fighting	8		5		13
Disorderly Conduct and Liquor in Possession		2			2
Disorderly Conduct and Manufacturing and Possessing Liquor		2			2
Dumping Garbage on the Street	2				2
Driving Auto While Intoxicated	1	7	3	1	12
Destitute Family	4	1			5
Demented	10	2	2	2	16
Double Parked	4	5			9
Drive Over Fire Hose, no Operator's License		1			1
Drive Against Traffic	2				2
Drive Over Fire Hose			3		3
Defective Brakes	1	1			2
Defraud a Taxi			1	1	2
Distributing Advertising in Autos		1			1
Employing Women in a Pool Hall		1			1
Exposing His Person	1				1
Exhibiting a Punchboard	1				1
Escape from State Training School		1			1
Erecting Building, no Permit	1				1
Failing to Report an Accident	1				1
Failing to Give Right-of-Way	2	9			11
Failing to Render Aid		3	1		4
Failing to Give Right-of-Way, no License		1			1
Failing to Give Right-of-Way, on Warrants		2			2
Failing to Stop, on Warrants		1			1
Failing to Stop at School		1			1
Failing to Stop at Accident	1				1
Family Fight		3			3
Forgery	1			1	2
Gambling	2	13	1		16
Held for U. S. Government	15	35	3	1	54
Held for Sheriff of Linn County		1			1
Held for Coroner		1			1
Held for County Jail		1			1
Held as Witness	1	1		1	3
Held for Women's Protective Division		1	4		5
Held for U. S. Marines		1			1
Held for Vancouver, Washington				3	3
Holdup		7	7		14
Hit and Run Driver		1			1
Improper License	1	11	1	3	16
Immoral Women	8			3	11
Inmate of Immoral House	3				3
Issuing Checks, no Account	1				1
Impersonating an Officer		1			1
Juveniles	5	10	5		20
Juveniles, Runaway	2				2
Juvenile Court		2			2
Jockeying on Bridge	1				1
Liquor in Possession	5	14	16	13	48

REPORT OF UNIFORM DIVISION OF HEADQUARTERS—Continued

	Day Relief	First Night Relief	Second Night Relief	Shot Gun Squad	Totals
Liquor in Possession and After Hours			1		1
Liquor in Possession and Violating Traffic			1		1
Liquor in Possession and no Operator's License			1		1
Larceny	11	11		4	26
Larceny of an Auto		6		12	18
Larceny from a Room		1	4	1	6
Larceny from a Store		3		1	4
Larceny from a Dwelling	1			1	2
Larceny from a Person	1	2			3
Lottery Paraphernalia in Possession	2				2
Lottery Tickets in Possession		1			1
Lost	2	1			3
Lost Boy	3				3
Leaving Stair Door Open	1				1
Lewd Cohabitation		1			1
Material Witness		4		2	6
Minor in Pool Hall	2				2
Maintaining a Nuisance			1		1
Manufacturing and Possessing Liquor			2		2
Murder		1			1
No Pay Taxi	1				1
No Operator's License	2	1			3
No-Parking Zone	1				1
No Soft Drink Parlor License	1				1
No Business License	3	9			12
No Dog License	1				1
No Clean Snow from Sidewalk	53				53
No Stop at School, no Operator's License		1			1
Operating an Auto, Not Under Control	2				2
Operating a Fruit Stand, no License	1				1
Operating a Lottery		1			1
Operating a For-Hire, no License		7			7
Overtime Parking		3			3
Operating a Punchboard		2			2
Overtime Parking, on Warrants		9			9
Obtaining Money Under False Pretenses	1	1			2
Prowlers	2				2
Possessing Liquor	10			2	12
Possessing and Transporting Liquor		2			2
Peddling, no License	2	1			3
Passing a Street Car, While Loading		1			1
Permitting Chickens to Run at Large		1			1
Parking to Block Driveway		3			3
Parking at Hydrant		14			14
Parking, no Stand				1	1
Parking on Sidewalk		1			1
Parking in Bus Zone		2			2
Parking Overtime Limit	1	1			2
Robbery	1	8	2		11
Robbery A W.D.W. and Larceny of Autc.			1		1
Reckless Driving	1	17	7	1	26
Reckless Driving, Improper License		1			1
Reckless Driving, no Operator's License			1		1
Reckless Driving and Liquor in Possession		1			1
Runaway Boy	3	4			7
Rape		1		1	2
Resisting an Officer			1		1
Speeding	2	2		1	5
Selling Strawberries, no Cover on		1			1
Soliciting Prostitution	1				1

REPORT OF UNIFORM DIVISION OF HEADQUARTERS—Continued

	Day Relief	First Night Relief	Second Night Relief	Shot Gun Squad	Totals
Selling Electrical Equipment, no License	1				1
Stolen Goods in Possession		1			1
Soliciting Fares for Taxi, no License		1			1
Soliciting Gambling on Street	1				1
Suspicious Persons	4	14	6		24
Suicide	3		1		4
Street Obstruction	5	2			7
Selling Goods on Sidewalk	1				1
Solicit Sales, Public Market	1				1
Speiling on the Street	1				1
Transporting and Possessing Liquor			1		1
Trespassing	4	1	1		6
Threat to Commit a Felony	2	2			4
Traffic Violations, on Warrants		13			13
Truant from School	1				1
Tampering with a Telephone Box	1				1
Tampering with an Auto	1				1
Trespass, and Committing a Nuisance		1			1
Using Profane and Abusive Language	3	3			6
Using Profane Language	1	1			2
Unlawfully Operating a Vending Machine	1				1
Vagrancy	201	427	57	11	696
Vagrancy, Released by Inspectors		1,032			1,032
Vagrancy, Held for Court		220			220
Vagrancy, Held for Previous Record		11			11
Vagrancy and Strong Arm		21			21
Vagrancy, Held as Lodgers		239			239
Vagrancy, Released by Inspectors, Previous Record		6			6
Vagrancy and Larceny from a Person		1			1
Vagrancy and Robbery		1			1
Vagrancy and After Hours			2		2
Vagrancy and Intoxicated		5			5
Vagrancy and Held for U. S. Immigration		12			12
Vagrancy and Held for U. S Navy		1			1
Violating Traffic Ordinance	137	98	13		248
Violating Building Code	3	2			5
Violating Taxi Ordinance			2		2
Violating Mashers' Ordinance	2	36	3		41
Violating Curfew Ordinance		8			8
Violating Motor Law		1			1
Violating State Motor Law		1			1
Violating Hawkers' Ordinance	4				4
Vicious Dog at Large	4				4
Visiting a Lottery		4			4
Visiting a Gambling Game		14			14
Total number of arrests	1,766	3,337	946	149	6,198
Total Number of Warrants Taken Out	6,993	1,155	136		8,284
Total Number of Reports Made	5,740	4,364	1,920		12,024
Total Number of Calls Answered	835	2,174	1,212		4,221
Total Number of Wagon Runs	2,629	3,563	1,094		7,286
Total Number of Motorcycle Runs	2,863	2,164	1,167		6,194
Total Number of Ambulance Runs	136	183	20		339
Total Number of Fire Alarm Runs	127	68	11		206
Total Number of Harbor Patrol Runs	210	91	15		316
Total Number of Shot Gun Squad Runs				3,787	3,787
Total Number of Autos Tagged		335	1,950	57	2,342
Total Number of Autos Recovered	6	4	55	51	116

Respectfully submitted,

FRED M. WEST, COMMANDING HEADQUARTERS.

VICE DIVISION

Portland, Oregon, December 1, 1927.

L. V. JENKINS, CHIEF OF POLICE.

Sir: The following is the report of the activities of the Vice Division during the fiscal year ending November 30, 1927:

ARRESTS

Gambling	816
Liquor	1,237
Morals	504
Narcotics	164
Miscellaneous	314
Total	3,035

SENTENCES

Amount of fines	$141,183.50
Days in jail	7,376
Continued	333
Discharged	65
Days suspended	7,780

Of the above cases 430 were held for the health test in addition to charges.

CONFISCATED

Moonshine (pints)	21,293	Trunks	2
Wine (gallons)	6,113	Punch boards	78
Mash (gallons)	20,328	Revolvers	5
Beer (quarts)	18,369	Opium pipes	6
Bonded (quarts)	1,123	Opium bowls	53
Gin (pints)	569	Opium lamps	5
Saki (gallons)	60	Opium scales	6
Alcohol (gallons)	90	Opium (grains)	26,910
Amargo bitters (pints)	17	Opium (oz. tr.)	1
Stills	56	Opium outfits	39
Automobiles	108	Paragoric (ounces)	32
Sugar (lbs.)	3,600	Hypo. outfits	5
Malt syrup (gallons)	10	Yen shee (grains)	7,675
Coal oil (gallons)	45	Morphine (grains)	840½
Handbags	4	Marrawauna (lbs.)	200
Heater	1	Cocaine (ounces)	1
Electric heaters	3	Gambling money	$962.63
Electric agers	4		

In addition to the above confiscated articles, there were a number of tables, chairs, cards and chips.

Respectfully submitted,

CAPTAIN L. A. HARMS, COMMANDING VICE DIVISION.

PRECINCT NO. 1

Captain H. A. Lewis, Commanding
Sergeant Brothers, Commanding Day Relief
Lieutenant J. J. Keegan, Commanding First Relief
Sergeant Waddell, Commanding Second Relief

ANNUAL REPORT FOR FISCAL YEAR ENDING NOVEMBER 30, 1927

Portland, Oregon, December 15, 1927.

L. V. JENKINS, CHIEF OF POLICE.

Sir: Following is a report of the work accomplished by the officers of Precinct No. 1 during the months from December, 1926, to November, 1927, inclusive:

Investigations and reports were made on the following, exclusive of arrests:

Accidents covered	420
Attempt suicide	3
Attempt pass fictitious checks	4
Attempt robbery	1
Break and enter	263
Destitute families	335
Drowning	1
Fires covered	330
Larceny, miscellaneous	298
Lost and found	95
Miscellaneous complaints	3,337
Miscellaneous felonies	28
Prohibition complaints	43
Robberies	81
Suicide	1
Streets and obstructions	505
Suspicions persons complaints	271
Electric signs complaints	59
Weeds and nuisances	20
Total reports, exclusive or arrests	6,095
Ambulance calls	46
Patrol wagon calls	826
Emergency motorcycle calls	1,509
Motor vehicles tagged, traffic violations	1,558
Warrants handled	2,839
Subpoenas served	151
Jury summons served	57

STOLEN PROPERTY RECOVERED

The following stolen property was recovered and turned over to property clerk:

Automobiles recovered	85
Bicycles recovered	26
Stolen tire recovered	1
Stolen chickens recovered	11
Suspicious autos reported, many found to be stolen	50

PROPERTY CONFISCATED IN CONNECTION WITH ARRESTS

Autos held for confiscation	8
Pints moonshine whiskey	3,310
Gallons wine	1,006
Quarts wine	32
Bottles beer	2,073
Gallons mash	3,600
Gallons grain alcohol	20
Quarts bonded whiskey	64
Quarts gin	2
Stills	8
Crocks	13
Wash boilers	2
Oil burners	4
Sacks sugar	11
Gallons malt syrup	10
Beer capper	1
Sack beer caps	1
Gallons coal oil	15
Pressure tanks	4
Air pumps	2
Five-gallon tin cans	50
Empty 10-gallon kegs	5
Empty gallon jugs	50
Empty beer bottles	41

JUVENILE ARRESTS

Included in the arrests the following were juveniles and were referred to the Juvenile Court:

Attempt larceny	2	Incorrigible girl	1
Attempt robbery	7	Investigations	10
After hours	2	Larceny, miscellaneous	37
Break and enter	10	Larceny of auto	12
Burglary	8	Lost boy	1
Cigarettes in possession	29	Minors in pool hall	3
Carry concealed weapons	4	Material witness	2
Delinquent boys	3	No driver's license	2
Disorderly conduct	36	Peeping Tom	1
Deserter from navy	1	Runaway boy	1
Discharging firearms	9	Reckless driving	3
Drunk	1	Speeding	5
Expose person	3	Tampering with auto	6
Escape Frazier Home	5	Trespass	13
Escape Louise Home	2	Tobacco in possession	3
Escape Chemawa	4	Vagrancy	1
Forgery	1	Violation state motor law	2
Four front seat auto	2	Violation traffic ordinance	1
Gambling	5	Violation curfew ordinance	175
Hit and run driver	1		
Incorrigible boy	1	Total juveniles	415

ARRESTS MADE

After hours	81	Intox. liquor, transporting	12
Assault and battery	4	Intox. liquor, sale	15
Assault, dangerous weapon	1	Insane	6
Attempt larceny	1	Issue fictitious checks	1
Attempt suicide	1	Injured	13
Attempt robbery	9	Improper lights	7
Assault and robbery	1	Larceny, miscellaneous	68
Allows minors in pool hall	1	Larceny of auto	12
Break and enter	5	Lottery para. in possession	2
Burglary	13	Lodgers	7
Breaking glass in street	3	Lost and found persons	22
Carrying concealed weapons	11	Lewd cohabitation	2
Criminal assault	1	Lost children	2
Contributing to delinquency of minor	5	Maintaining a nuisance	3
Curfew violations	175	Masher ordinance	2
Disorderly conduct	191	Material witness	9
Driving while intoxicated	59	Minor, cigarettes in possession	48
Drunk	260	Minor, tobacco in possession	3
Drunk and disorderly	127	Minor in pool hall	1
Defective brakes	6	Milk driver, no license	5
Driving over fire hose	9	Non-support	1
Discharging fire arms	10	No operators' license	9
Disorderly by fighting	2	Operate market, no license	1
Deserter from army	1	Obtain money, false pretense	1
Delinquent minors	4	Passing fictitious checks	3
Escape from Chemawa School	6	Passing Mexican money	1
Escape from Woodburn	3	Peddle, no license	2
Escape from Louise Home	2	Parole violator	1
Escape from Frazier Home	3	Peeping Tom	2
Escape from State School of Washington	3	Possession of still	2
Escape from County Jail	1	Pop corn wagon 400 feet of school	3
Escape from Salem, Ore.	1	Reckless driving	61
Exposure of person	3	Robbery	1
Four in front seat of auto	17	Runaway boys	4
Failure to remove snow	40	Receiving stolen goods	1
Failure to give signal	1	Selling tobacco to minor	5
Failure to stop at school	16	Speeding	41
Failure to stop at thru street	52	State motor law	4
Failure to render assistance	2	Sodomy	1
Failure to give right-of-way	16	Selling ammunition to minor	1
Fire, no permit	1	Siren on private car	1
Forgery	5	Tampering with auto	10
Gambling	17	Threat to kill	2
Hold for Women's Division	1	Traffic ordinance	22
Hit and run driver	5	Trespassing	17
Hold for U. S. Government	1	Vagrancy	197
Hold for immigration	2	Violation of Dwyer act	1
Interfering with officer	1	Violation of hotel ordinance	1
Improper license	31	Within a fire zone	6
Investigations	58	Within 10 feet fire hydrant	2
Intox. liquor, possession	165		
Intox. liquor, manufacturing	9	Total arrests	2,148

Precinct No. 1 covers a district 90 by 104 blocks, or 20 square miles.

Day Relief—Six officers on beats and booths, one to each three and one-half square miles when all are on duty. During past year, on account of shortage of men and the days off and vacations, the beats were 58 per cent vacant and the booths were 5½ per cent vacant, counting only one officer to each booth.

First Night Relief—One officer to each square mile when all on duty. During the past year beats were 22½ per cent vacant and booths 18 per cent vacant, counting four men to each booth.

Second Night Relief—One officer to each 3½ square miles when all are on duty. During past year beats were 20 per cent vacant and booths full, counting one man to each booth.

Respectfully submitted,

CAPTAIN H. A. LEWIS, COMMANDING, PRECINCT NO. 1.

PRECINCT NO. 2

Captain H. A. Circle, Commanding

ANNUAL REPORT FOR FISCAL YEAR ENDING NOVEMBER 30, 1927

Portland, Oregon, December 7, 1927.

L. V. JENKINS, CHIEF OF POLICE.

Sir: Following is a report of the work accomplished by the officers at Precinct No. 2 during the fiscal year ending November 30, 1927:

Misc. reports and complaints	8,570	Ambulance runs	40
Prohibition law, violations	300	Public lights reported out	1,143
Fires attended	179	Tags and police notices	4,130
Sick or destitute cases attended	251	Suspicious cars investigated	170
Suspicious person calls	812	Missing persons reported	180
Auto accidents attended	396	Missing persons found	149
Defective or obstructed street or walk reports	410	Warrants handled	2,916
Robbery	80	Warrants, search	24
Suicide or attempt	28	Warrants, bench	5
Break and enter	359	Jury summons	52
Larceny, miscellaneous	291	Subpoenas	149
Dead bodies	3	Commitment	1
Emergency motorcycle runs	1,441	Library bills	442
Wagons runs	522	Total	3,589

STOLEN PROPERTY RECOVERED

Cars	173	Revolver	1
Bicycles	16	Auto robes	2
Safe (store) and contents (papers)	1	Cash or equivalent	$107.79
Watches	5	Miscellaneous articles	43

CONFISCATED

Gun machines	2	Wine mash, gallons	6
Revolvers	2	Beer, gallons	23
Burglar tool	1	Beer mash, gallons	76
Flashlight	1	Brandy, gallons	20
Cars	2	Malt syrup, quarts	10
Stills	3	Bottles	217
Glasses (serving)	25	Basket	1
Glass jug	1	Suit cases	3
Moonshine, gallons	84	Air guns	8
Moonshine mash, gallons	1,150	Punch board	1
Wine, gallons	61		

LOST PROPERTY FOUND

Cars, abandoned	12	Hats	2
Bicycles, abandoned	27	Auto drivers' licenses	2
Auto license plates	30	Handcuffs and key	
Watches	2	Note book	1
Handbags	3	Assorted lot new garden tools	
Suit cases	1	Safe keys	2
Purses	8	Trousers, pair	1
Dog	1	Gum machines	3
Tires, auto	12	Packages personal property	4
Rims, auto	3	Street signs	2
Assorted jewelry, lot		Blankets	3
Cash	$9.44	Lawn mower, new	1
Miscellaneous articles	4	Check books	2
Box groceries	1	Lot galvanized ware (store)	
Bank check	1	Wrenches	2
Badges, public service	6	Pliers	1
Scooter	1	Tire cover	1

ARRESTS—ADULTS

Drunk	225	Gambling, visitor	1
Drunk and disorderly	65	Assault and battery	2
Disorderly conduct	65	Bad check	1
Disorderly by fighting	3	Concealed weapon	3
Driving while drunk	51	Degenerate	6
Reckless driving	43	Nuisance, liquor	2
Traffic code, violation	47	For U. S. officers	1
Motor law, violation	37	Holdup	1
City ordinance, violation	28	Involuntary manslaughter	1
Vagrancy	58	Destruction public property	1
Hit and run driver	4	Delinquency of minor	1
After hours	52	Lewd cohabitation	2
Liquor in possession	50	Speeding	1
Manufacturing liquor	5	Forgery	1
Larceny	10	Suspect, burglary	1
Burglary	1	Burglar tools in possession	1
Fugitive from justice	3	Rape	1
Demented	5	Threat to kill	1
Auto theft	7	Trespass	1
Gambling	8	Fraud	1
Gambling, conducting	1		
Gambling device	1	Total	798

ARRESTS—JUVENILES

Curfew	170	Stolen property in possession	2
Cigarettes in possession	4	Destruction private property	2
Disorderly conduct	66	After hours	5
Auto theft	8	For Inspectors	1
Runaway	4	Motor law	2
Incorrigible	3	Bad check	1
Larceny	36	Break and enter, accessory	1
Delinquent	2	Dependent	1
Break and enter	19	Using air gun	2
Malicious mischief	11		
City ordinance, violation	17	Total	368

Respectfully submitted,

H. A. CIRCLE, CAPTAIN COMMANDING.

PRECINCT NO. 3

Captain C. A. Inskeep, Commanding

ANNUAL REPORT FOR FISCAL YEAR ENDING NOVEMBER 30, 1927

Portland, Oregon, December 6, 1927.

L. V. JENKINS, CHIEF OF POLICE.

Sir: Report of the activities of the officers at Precinct No. 3 during the fiscal year ending November 30, 1927:

Investigations and reports were made on the following:

Accidents	9	Library bills	2
Auto accidents	55	Lost and found articles	14
Attempted rape	1	Malicious mischief	4
After hours	5	Missing persons	48
Bicycles	35	Obstruction in street	32
Burglary	3	Open or unlocked doors	32
Chickens	11	Oregon Humane Society, stray animals, etc.	99
Destitute families	9	Prowlers	46
Defective streets and walks	34	Quarrels, neighborhood	20
Demented	10	Sick	5
Degenerates	10	Suicide attempt	6
Deaths	16	Suspicious persons	33
Disorderly conduct	49	Rape	2
Domestic trouble	41	Telephone messages, bad order, etc.	10
Fictitious check	6	Unsightly lots, etc.	17
Drunk	82	Violation city ordinance	8
Fires	45	Violation state motor vehicle law	10
Fire arms	2	Violation prohibition law	28
Fraud	6	Violation traffic ordinance	29
Hold-up	5	Vagrancy	6
Hold-up attempt	5	Water Bureau	6
Health Bureau	22	Women's Protective Bureau	9
Juveniles	167	Miscellaneous	567
Larceny from dwelling	111		
Larceny from dwelling, attempt	8	Total	1,919
Larceny of autos	24		
Larceny of auto accessories	44		
Larceny, miscellaneous	71		

Arrests were made as follows:

After hours	3	Maintaining nuisance	1
Assault and battery	4	Larceny from dwelling	1
Attempt at larceny	2	Larceny	36
Allow dirt to spill on street	2	Liquor in possession	32
Criminal assault	1	Reckless driving	10
Drunk	69	Rape	1
Disorderly conduct	19	Runaway boys	2
Driving while intoxicated	9	Selling cigarettes to minor	7
Drunk and disorderly	16	Speeding	8
Drunk and liquor in possession	4	Sub-normal child	1
Demented	4	Snow and ice on walk	20
Discharging fire arms	1	Tampering with auto	1
Delinquent	1	Trespassing	6
Contributing to delinquency of minor	6	Vagrancy	8
Bad checks	2	Violation traffic ordinance	4
Failing to give right of way	6	Violation prohibition law	5
Failing to stop at school	23	Violation solicitors' ordinance	2
Fictitious check	2	Violation state motor vehicle law	12
Fugitive	3	Viloation curfew ordinance	4
Held for Dept. of Justice	1	Violation health law	5
Held for investigation	1	Violation immigration law	2
Improper lights	2	Warrants	110
Improper license plates	3		
Immoral act	2	Total arrests	441
Incorrigible	2		

Included in the above were the following juveniles which were referred to the Juvenile Court:

Assault and battery	1	Smoking cigarettes	6
Disorderly conduct	8	Speeding	3
Discharging fire arms	2	Trespassing	2
Bad checks	2	Violation state motor vehicle law	1
Fugitive from justice	1	Violation traffic ordinance	1
Larceny	23	Violation curfew law	4
Runaways	2		
Immoral act	1		

Total fines $1863.00, of which $35 was suspended. Bail forfeited, $339.00. Total days in jail 672, of which 105 were suspended.

Emergency calls	169	Stolen bicycles recovered	7
Wagon calls	69	Stolen horse, watch and rifle recovered	
Autos tagged for violation traffic ordinances	39	Missing persons returned to their homes	10
Arc lights reported out	89		
Stolen autos recovered	14		

Respectfully submitted,

CAPT. C. A. INSKEEP, COMMANDING PRECINCT No. 3.

WOMEN'S PROTECTIVE DIVISION

Martha Randall, Commanding

ANNUAL REPORT FOR YEAR ENDING NOVEMBER 30, 1927

Continued cases	183
New cases	1,994
Reopened cases	275
Adults	1,433
Juveniles	1,510
Married	889
Single	584
Reported anonymously	65
Reported from outside	365
Reported from Police Bureau	447
Reported voluntarily	1,514
Interviews	4,339
Investigations	1,289
Amusement centers visited	228
Homes visited	1,719
Public buildings, hotels, offices visited	837
Office calls	7,217
Assistance—Financial, meals and lodging	651
Assistance not financial	301
Employment found	36
Letters written	865
Wages collected	7

DANCE HALL REPORT

Free permits issued at our office	52
Paid permits issued at our office	208
Paid permits issued at City Hall	1,321
Free permits issued at City Hall	232
Total permits issued	1,813
Dances held	3,606
Dances visited	2,082
Grills visited	48
Juveniles found in dance halls	235
Halls measured and inspected	22
Number of halls registered for 1927	115
Money collected by Dance Hall Inspector: For dance permits	$215.00
For registration four halls	$19.00

HEALTH REPORT

Number held for health	375
Number of women Pos. G. C.	8
Number of women Pos. Wass.	49
Number of men Pos. G. C.	4
Number of men Pos. Wass.	4
Number of minor girls examined	75
Number of girls sent to Training School	4
Number of calls on health cases	38
Number of cases in Municipal Court	17
Number of cases in District Court	5

REASONS FOR COMPLAINTS

Adultery	1
Assault	10
Assault and battery	24
Attempted assault	3
Bastardy	1
Checks	6
Contributing to delinquency of minors	51
Dependent adult	25
Desertion	39
Destitute	10
Disorderly conduct	103
Distribution obscene matter	1
Domestic trouble	214
Drugs	25
Employment	40
Escapes—	
Missing	149
Located	65
Forgery	1
Health	66
Incest	1
Kidnap	2
Larceny	49
Lewd cohabitation	27
Liquor	36
Mental—	
Feebleminded	18
Insane	26
Unbalanced	26
Miscellaneous	2
Murder	1
Murder, threat to	1
Neighborhood trouble	36
News ads	11
Non-support	17
Perversion	2
Polygamy	1
Pregnant:	
Married	13
Minors	12
Single	12
Rape	1
Rape, attempted	11
Seduction	1
Sick	50
Suicide	2
Suicide, attempted	5
Sodomy	6
Suspicious conduct	262
Vagrancy	23
Weapons, carried concealed	1
White slavery	16
Minors—	
Cruelty	16
Delinquent	181
Dependent	165
Escapes—	
Missing	322
Located	206
Incorrigible	88
Neglected	167
Obscene writing	2
Rape	32
Selling papers on street	10
Violating curfew law	305

COMPLAINTS FILED

Assault	7
Assault and battery	10
Contributing to delinquency of minors	39
Cruelty	5
Delinquent	76
Dependent	70
Disorderly conduct	41
Distributing obscene matter	1
Feebleminded	3
Forgery	2
Health	10
Immoral conduct	5
Incest	2
Insane	19
Larceny	18
Lewd cohabitation	3
Murder	1
Non-support	1
Rape	32
Rape, attempted	13
Seduction	1
Sodomy	5
Threat to commit a felony	1
Vagrancy	18
Violating curfew law	6
Violating prohibition law	14
Violating narcotic act	6
White slavery	12

REFERRED TO

City Attorney	12
Civil officers	6
Court of Domestic Relations	153
District Attorney	56
Federal authorities	11
Local agencies	68
Outside agencies	24
Police Bureau	110
Rescue homes and institutions	91
Special agents	23
Relatives	117
Court cases	210

MARTHA RANDALL, SUPERINTENDENT WOMEN'S PROTECTIVE DIVISION.

HARBOR MASTER

Captain J. Speier, Harbor Master

Portland, Oregon, January 1, 1928.

HON. GEORGE L. BAKER, MAYOR, CITY OF PORTLAND, OREGON:

Sir: I herewith submit my annual report for the fiscal year ending November 30, 1927.

From the following statistics you will be able to see the large strides which this city has taken in shipping. With the many improvements made by the United States Engineers and the Port of Portland in the channel between Portland and the sea, and with the fine entrance we now have at the mouth of the Columbia River, Portland has taken its place as one of the finest and safest fresh-water harbors in the United States. As a port for the shipping of wheat Portland ranks highest on the Pacific Coast.

No port has better fire and police protection for vessels than this port, and no port charges are assessed against vessels for this protection. This harbor is one in which a vessel can lay with safety, and where storms or heavy gales can cause them no damage.

I submit below figures compiled by the Merchants' Exchange and Port of Portland Commission showing tonnage handled through this port during 1927:

VESSELS ENTERED AND CLEARED

1678 vessels of 4,642,090 tons registry entered
1678 vessels of 4,630,570 tons registry cleared

EXPORTS 1927

Foreign	1,800,930 tons	
Domestic	868,387 tons	
Total	2,669,317 tons	Value $133,141,330.00

IMPORTS 1927

Foreign	142,015 tons	
Domestic	2,255,014 tons	
Total	2,397,029 tons	Value 145,691,691.00
Total tonnage imports and exports.	5,066,346 tons	Value $278,833,021.00

WHEAT EXPORTS

Foreign	36,053,336 bus.	
Domestic	739,398 bus.	
Total	36,792,734 bus.	Value $ 47,901,763.00

FLOUR EXPORTS

Foreign and domestic	1,734,945 bbls.	Value $ 11,421,952.00

LUMBER EXPORTS

Foreign and domestic	571,631,499 bd.ft.	Value $ 12,545,550.00

I am also submitting below a 12-month comparison of receipts of wheat in carload lots at Portland, other Northwest ports, and also Terminal No. 4:

	1926	1927	% Decrease	% Increase
Portland	30,144 C/L	32,669 C/L		8.37
Tacoma	6,837 C/L	7,171 C/L		4.88
Seattle	10,009 C/L	12,892 C/L		28.80
Astoria	1,871 C/L	1,832 C/L	2.09	
Terminal No. 4	5,213 C/L	9,017 C/L		72.97

By comparing receipts of wheat for the first six months of the cereal year—July 1, to December 31, 1927—you will notice a much greater proportion of gain over other Northwestern ports, Terminal No. 4 alone receiving nearly as much wheat as the entire Port of Seattle:

CROP SEASON
(6-months comparison)

	1926	1927	% Increase
Portland	20,198 C/L	25,545 C/L	26.47
Tacoma	3,761 C/L	4,178 C/L	11.08
Seattle	7,502 C/L	10,105 C/L	34.69
Astoria	1,476 C/L	1,669 C/L	13.08
Terminal No. 4	4,160 C/L	8,064 C/L	93.85

By looking over the above statement you can readily see increase in receipts of wheat in 1927 over 1926, and also the gain over the ports of Tacoma, Seattle and Astoria. The grain elevator owned by the City of Portland and operated by The Commission of Public Docks is one of the most efficient on the Pacific Coast, and I am pleased to state that with the immense amount of wheat that has been shipped through this elevator, we have not, up to the present time had even a $1.00 claim for any damage or loss.

Portland also maintains the position of second primary wool market in the United States, the 1927 intercoastal shipments of wool totaling 11,887 tons.

The handling of wheat and general cargo has given employment to hundreds of men in loading and unloading vessels, and thousands of dollars have been spent in this port for supplies and repairs to vessels. There is hardly a business firm in this city who is not directly or indirectly benefited by the vessels which come to this port to load or discharge cargo.

There is now a move under way by the Port of Seattle to deprive the City of Portland of any benefits which might accrue from the differential in railroad rates on wheat between Puget Sound and this city, and to offset this stand now taken by the Port of Seattle before the Interstate Commerce Commission next March, it will require

the combined efforts of the entire city to resist any change in the rates now prevailing. Millions of dollars have been spent by the Federal Government and the State of Oregon in the improvement of the Columbia and Willamette Rivers and the City of Portland has constructed docks which have made a name for themselves all over the world, and it is therefore the duty of everyone to resist any attempt on the part of the Port of Seattle, and other Washington cities, to take from Portland and the State of Oregon that which rightfully belongs to it.

During the past fiscal year the harbor patrol boat "F. W. Mulkey" made 911 runs with a running time of 1639 hours. Three thousand four hundred and thirty-four gallons of diesel oil, 610 gallons of gasoline, 219 gallons of lubricating oil and 30 gallons of kerosene were consumed.

Fifty-eight dangerous snags, which were a menace to shipping, were removed from the channel.

Twenty-five fireboat calls were responded to.

Two launchings were attended, the patrol boat keeping the channel clear to prevent accidents.

Assistance was rendered to shipping 90 times, such as towing and moving ships, launches and barges.

The salvage pump was called for and used 7 times.

Ships in the harbor were boarded and harbor regulations given masters 1009 times.

Nineteen arrests were made as follows: Violating the harbor ordinance, 3; drunk, 9; larceny, 1; prowling, 1; assault and battery, 5.

Aids to navigation were checked and reported at different times.

Twenty-nine drownings occurred in the city limits and 3 outside the city, as follows: Dec. 4, 1927, C. W. Gowery; Feb. 26, 1928, Rudolph Dvong; April 3, J. A. Strack; April 13, Walter Campbell; May 9, Otto Keel; May 16, Irving Little; May 25, Elsie C. Wier*; May 31, James V. Scott; June 9, John S. Davies; June 26, Joe Mosey; June 28, James Murphy; June 28, Joe Webber*; July 1, Herbert Crouse; July 3, Robert Shankeen; July 19, Oscar Peterson*; July 24, Florence Schlitt; July 24, Edw. Schlitt; July 24, Emil Harrison*; July 31, Leonard Clouse*; Aug. 5, O. G. Beeler; Aug. 16, Ted Ewing; Aug. 18, Lewis Bannister; Aug. 21, Paul Garrison*; Aug. 23, Daniel Strader; Oct. 14, Fred Anderson*; Oct. 20, Julius Cohen*; Nov. 15, Mrs. Millie Baldwin; Nov. 24, Winifred Cuthbert; Nov. 30, Chris Martinson; July 31, Hattie Allen, Government Island; July 31, Lawrence Riago, Oswego Lake; Aug. 1, E. C. Timmings, Oswego Lake.

The bodies of the above were all turned over to the Coroner.

Fourteen of the above were floaters.

The following persons were rescued from drowning: Wallace Forgie, 16 years, 554 E. 8th St.; Theodore Raisig, 15 years, 846 Brooklyn St.; Glen McCormick, 15 years, 803 E. 83rd St. N.; Robert Gantenbein, 15 years, 2180 E. Flanders St.; Mr. Ingram, watchman for Port of Portland.

*Suicide.

There was one attempted suicide—June 25, Mrs. Groce jumped into the river from the foot of Mill Street. She was pulled out and taken to her home.

The body of Tavis H. Schiffman, 38 years, a resident of Chicago, Ill., who was a stowaway on the "SS. Habesna" and died on board, was taken from this vessel at the McCormick Terminal.

Eleven minor children were picked up for different offenses and turned over to the Juvenile Court.

Property recovered and returned to the owners was as follows: Three barges, 13 rowboats, 2250 grain bags (empty), 3 life boats, 7 oars, 8 canoes, 2 bundles of piling, 1 power canoe, 1 drag saw, 1 launch hull, 1 gas meter, 1 length of 2½-inch fire hose, 1 bicycle.

In closing I desire to thank the Honorable Mayor and Council for the valuable assistance and support rendered this department during the past year.

Most respectfully yours,

J. SPEIER, HARBORMASTER.

HARBOR PATROL REPORT FOR 1927

Portland, Oregon, December 1, 1927.

CAPT. J. SPEIER, HARBORMASTER.

Dear Sir: During the year from December 1, 1926, to December 1, 1927, the Patrol Boat "F. W. Mulkey" made 911 runs, was running 1639 hours, covered 12,638 miles, and consumed 3434 gallons of Diesel oil, 610 gallons of gasoline, 219 gallons of lubricating oil, 30 gallons of kerosene and 5 gallons of 600W.

Fifty-eight dangerous snags were removed from the channel.

Twenty-five fireboat calls were answered.

Fuel oil on the river was found and investigated 11 times.

Two launchings were attended.

River boats were timed for speeding five times.

Forty-six unclassified items.

Assistance was rendered to shipping 90 times, such as towing and moving ship, launches and barges.

One hundred and sixty-three runs were made for The Commission of Public Docks.

The salvage pump was called for and used 7 times.

Ships in the harbor were boarded 1009 times and harbor regulations were ordered complied with.

Nineteen arrests were made: Violating harbor ordinance, 3; drunk, 9; larceny, 1; prowling, 1; assault and battery, 5; and total sentences of 105 days and $35.00 in fines.

Aids to navigation were checked and reported 4 times.

Race course patrolled during one race.

Twenty-nine drownings occurred in the city limits and 3 cases of drowning outside of city were attended and the bodies recovered.

The bodies of 14 persons were found floating and turned over to the Coroner.

The bodies of 10 animals were found floating and were disposed of.

Eleven minor children were picked up for different offenses and turned over to the Juvenile Court.

One runaway boy was picked up and returned to his home.

Property was recovered and returned to the proper owners as follows: Three barges, 13 rowboats, 2250 grain bags, 3 life boats, 7 oars, 8 canoes, 2 bundles of piling, 1 dragsaw, 1 power canoe, 1 timber, 1 length of 2½-inch fire hose, 1 gas meter, 1 axe, 1 pair oarlocks, 1 pike pole, 1 launch hull, 1 bicycle.

Five persons were rescued from drowning: April 10, Wallace Forgie, 16 years, 554 East 8th St., and Theo. Raisig, 15 years, 846 Brooklyn, were picked up from an overturned canoe; July 9, Glenn McCormick, 15 years, 803 E. 83rd St. N., and Robert Gantenbein, 15 years, 2180 East Flanders St., were picked up from an overturned canoe; Oct. 3, Mr. Ingram, a watchman for the Port of Portland, was picked up in a sunken rowboat.

One attempted suicide: June 25, Mrs. Groce, jumped into the river at the foot of Mill Street. Was hauled out and taken home.

Eight suicides: May 25, Elsie C. Weir, 28 years, jumped off the Ross Island Bridge; June 28, Joe Webber, 55 years, jumped into the river at Peninsula Lumber Co.; July 19, Oscar Peterson, 53 years, jumped into the river; July 24, Emil Harrison, 42 years, in river; July 31, Leonard Clouse, 43 years, in river; Aug. 21, Paul Garrison, 48 years, in Columbia Slough; Oct. 14, Fred Anderson, 53 years, in river; Oct. 20, Julius Cohen, 35 years, jumped off the Burnside Bridge.

One body was taken from a ship on Nov. 12, when the body of Tavis H. Schiffman, 38 years, Chicago, Ill., was taken from the "SS. Habesna" at McCormick Terminal. He was a stowaway and died on board ship.

Three cases of drowning outside the city were attended and the bodies were recovered: July 31, Hattie Allen, 14 years, Government Island; July 31, Lawrence Riago, 28 years, Oswego Lake; Aug. 1, E. C. Timmings, 22 years, Oswego Lake.

Fourteen floaters: Dec. 4, C. W. Gowery; May 9, Otto Keel; May 12, Rudolph Dvong; May 16, Irving Little; May 31, James V. Scott; June 9, John T. Davies; Juue 28, James Murphy; July 19, Oscar Peterson; July 24, Emil Harrison; July 31, Leonard Clouse; Oct. 14, Fred Anderson; Nov. 15, Millie Baldwin; Nov. 24, Winifred Cuthbert.

Twenty-nine drownings: Dec. 4, C. W. Gowery, unknown; Feb. 26, Rudolph Dvong, 37 years, drove a car off the N. P. dock; April 3, J. A. Strack, 32 years, overturued; April 13, Walter Campbell, 10 years, swimming; May 9, Otto Keel, unknown; May 16, Irving Little, 8 years; May 31, James V. Scott, 32 years, unknown; June 2, Bernice Bayley, 12 years, swimming iu Couch School tank; June 9, John S. Davies, 70 years, fell off dock; June 26, Joe Mosey, 15 years, swimming; June 28, James Murphy, unknown; June 28, Joe Webber, 55 years, suicide; July 1, Herbert Crouse, 3 years, fell in off river bank; July 3, Robert Shankeeu, 33 years, fell off dock; July 24, Florence Schlitt, 14 years, overturned rowboat; July 24, Edward Schlitt, 22 years, overturned rowboat; July 24, Emil Harrison, 42 years, suicide; July 31, Leonard Clouse, 43 years, suicide; Aug. 5, O. G. Beeler, 48 years, fell off ship; Aug. 16, Ted Ewiug, 28 years, fell off a barge; Aug. 18, Lewis Bannister, 17 years, swimming; Aug. 21, Paul Garrison, 48 years, suicide; Aug. 23, Daniel Strader, 8 years, playing on river bank; Oct. 14, Fred Anderson, 53 years, suicide; Oct. 20, Julius Cohen, 35 years, suicide; Nov. 15, Mrs. Millie Baldwin, 72 years, fell off a house-boat; Nov. 24, Winifred Cuthbert, 17 years, off dock in a machine; Nov. 30, Chris Martinson, 28 years, fell off dredge pipeline.

A weekly inspection was made of the motorboat landings.

During the year of 1927 fresh water was placed on board 518 ships to the amount of 8,975,538 gallons, and at a cost to them of $3982.85.

Respectfully submitted,

K. A. PREHN, CHIEF ENGINEER.

NUISANCE DIVISION

ANNUAL REPORT FOR FISCAL YEAR ENDING NOVEMBER 30, 1927

Balance in fund Dec. 1, 1926	$ 1,253.73	
Appropriations, transfers and collections to November 30, 1927	14,291.65	
Total receipts		$15,545.38
Summary of expenditures—		
Office and supervision	$ 5,649.59	
Searching records	1,260.83	
Locating and posting	794.68	
Nuisance inspection	2,525.00	
Weed cutting	4,144.17	
Stationery and supplies	799.24	
Total		15,173.51
Balance in fund November 30, 1927		$ 371.87
Cost of operating Division (weed cutting not included)		
Balance Dec. 1, 1927		$11,029.34
Cutting bills (contingent on collection)	$ 371.87	
Posting charges (contingent on collection)	521.16	
	6,847.00	7,740.03
Deficit, 1927		$ 3,289.31

SUMMARY OF WEED CUTTING 1927

Lots cut, 1,825; cutting cost, $4,144.17; posting, $729.00; overhead, $368.97; total cost as billed, $5,242.14.

Lots requested cut, 1,753; cutting cost, $3,932.74; posting $694.00; overhead, $347.83; total cost as billed, $4,974.57.

Ordered cut, 72; cutting cost, $211.43; posting, $35.00; overhead, $21.14; total cost as billed, $267.57.

Deposits on requests to cut, $4,136.10; amount refunded, $836.30; bills due, $521.16.

Average cost per lot as billed, 1926, was $2.85.

Average cost per lot as billed, 1927, was $2.86½.

Average increase in cost per lot as billed, $0.01½.

Average cutting cost per lot, $2.25⅓.

Notices returned and cancelled, 2,540.

City lots posted, 1,097.

FINES—NUISANCE DIVISION RESPONSIBLE FOR COLLECTIONS

Having uncovered garbage wagon	$290.00
Dumping garbage on vacant property	500.00
Ice and snow on sidewalk	38.50
Driving garbage wagon in public market after hours	10.00
Wood on parking over 30 days	10.00
Dumping dirt on vacant lots	40.00
Driving uncovered sawdust wagon	10.00
Total	$898.50

CLEANING UP CANS AND RUBBISH AT 67TH AND HALSEY STREETS

12 Trusties	1 day
10 Trusties	1 day
6 Trusties	1 day
H. H. Lampman superintended work	3 days

SPECIAL CUTTING BY TRUSTIES

5 Trusties on Vista avenue and Montgomery drive	1 day
5 Trusties along Willamette boulevard	4 days
H. H. Lampman superintended work	5 days

NUISANCE INVESTIGATIONS

Notices written	19,535
Notices posted	17,331
Owners notified	18,593
Letters written	5,565
Ownerships ascertained	20,290
Total	81,314

Angle iron on walk	1	Dog kennel, no license	1
Broken sewer	1	Debris and rubbish in basement	1
Burning garbage in yard	1	Driving uncovered sawdust wagon	1
Blockading sidewalk	12	Electric vending machine out of order	4
Building garage (no permit)	1	Electric sign not illuminated	145
Bad odor from creamery	1	Eaves trough about to fall	6
Breaking up driveway	1	Fire hydrant broken	1
Bees annoying neighbors	5	Fuel yard (fire hazard)	1
Blockading driveway	9	Fire hydrant covered with dirt and rocks	2
Burning leather	4	Falling trees in street	32
Broken awning support	1	Fire alarm box out of order	1
Berry vines over walk	4	Fountains out of order	2
Brush piled on vacant lot	121	Grass, weeds and debris on walk	12
Building material on street (no light)	104	Grass and brush overhanging walk	118
Boxes on sidewalk	5	Garbage in rear of lot	41
Building material on sidewalk	5	Goats running at large	2
Dangerous woodpile	1	Glass lights in walk broken	1
Chicken pen on city property	1	Grass, weeds and brush on lot	2,196
Concrete left on sidewalk	3	Glass in street	13
Curbs broken	10	Garbage kept in boxes	1
Catch basin clogged	22	Game chickens	1
Cans and rubbish on lot	37	Hedge overhanging walk	21
Chickens annoying neighbors	7	Hole in viaduct	1
Cement in gutter	1	Hole in sidewalk	74
Curb bands loose	13	Hole in parking	9
Crowing roosters abated	14	Hole in street	590
Concrete on vacant lot	2	Howling dogs	89
Children breaking windows	1	Hauling dirt over walk	2
Driveway broken up	1	Hole in steps	1
Debris on lot	9	Iron pegs in walk	2
Defective retaining wall	1	Ice and snow on walk	138
Dangerous smoke stack	1	Icicles on building	46
Dangerous tree	2	Iron plate loose on bridge	1
Damming up creek	1	Junk on lot	1
Dumping garbage on street	4	Keeping chickens for commercial purposes	1
Debris, grass and weeds on lot	56	Leaking fire hydrants	4
Driveways installed	2,757	Large sign not built as per ordinance	3
Driving over sidewalk	258	Leak in water main	23
Debris and rubbish on street	58	Low awning	126
Dirt and rubbish on walk	247	Large sign on building	1
Driving uncovered garbage wagon	47	Leaking gutter	7
Dumping garbage on vacant lot	113		
Dumping dirt in street	5		
Dogs running at large	32		
Dangerous manhole	1		
Dirt spilled in street	1		

NUISANCE INVESTIGATIONS—Continued

Low tree limbs	163
Low chimney	1
Large opening around fire hydrant	1
Manhole cover broken	9
Mail boxes on lot	1
Milk box on sidewalk	2
Milkman making unnecessary noise	1
Newsboy blockading fire hydrant	1
News stand on sidewalk	1
No barricade	1
Noisy goose	1
Noisy pigeons	2
Noisy turkey	1
New house not completed	1
Operating radio late at night	1
Old building fell down	1
Old retaining wall over walk	1
Old auto in street	4
Operating trap door elevator, no guard rail	12
Old fences	15
Old auto left on lot	4
Old burnt building	4
Old wagon in street, no light	1
Old store building open	3
Old garage partly wrecked	1
Old street clock about to fall	1
Old concrete mixer in street	2
Old building open fire hazard	16
Open cesspool	37
Old shacks	75
Old lumber in street	12
Old houses open fire hazard	82
Old trailer in street	1
Obstructing sidewalk	12
Old barn fire hazard	14
Obstruction in street	2
Operating electric motor in residence district	1
Parking auto on sidewalk	1
Parking cars on city property	5
Pond of water in street	1
Pigeons destroying garden	5
Poor sewer drainage	5
Poison oak on lot and parking	16
Parking cars on street crossing	1
Rocks piled on street, no light	2
Rubbish and filth in yard	35
Rocks in street	3
Rubbish in parking	1
Rubbish on vacant lot	2
Rabbits, unsanitary	1
Sidewalk defective	36
Sawdust in street	4
Sign blown down	1
Swing in tree (two boys hurt)	1
Stairway blocked with wood	1
Sign blockading alleys	1
Stumps and brush on curb	1
Stolen bicycle	1
Stone wall fallen on walk	1
Spilling wood in street	1
Sand and gravel in street, no lights	69
Street cars blockading crossing	1
Spilling gravel in street	32
Sewer blockaded	1
Shrubbery annoyance to neighbors	4
Street caved in	1
Spilling sawdust on street	1
Street signs broken	2
Staking cows in street	2
Spilling dirt in street	38
Street cleaning dump, not sanitary	1
Sawdust dump on street	1
Trees about to fall	4
Trees overhanging house	1
Transporting garbage in fire limits after 10 p. m.	1
Telephone pole in street	5
Trees obstructing vision	1
Tree limbs breaking sidewalk	14
Trees leaning over walk	3
Transporting garbage through market	1
Trap doors out of order	30
Tree on parking	1
Trees falling across walk	43
Tool houses in street	2
Unsanitary rabbit warren	1
Unsanitary chicken pen	12
Unsanitary restaurant	1
Unsanitary houses	5
Unsanitary buildings	8
Unsanitary hotel	1
Using sidewalk for street	1
Using private garage for factory	1
Using street for storage	2
Using sidewalk for private use	52
Unnecessary smoke and steam	6
Uncovered garbage can	12
Uncovered sawdust wagon	1
Unsanitary pigeons	2
Unsanitary market	1
Unsanitay duck pond	1
Unlawfully dumping garbage (garbage collector)	2
Vacant lots used as dumps	2
Vermin brought to residence by pigeons	1
Vicious dog	1
Wooden sidewalk, rotten	2
Working on auto late at night	1
Wooden sign over walk	7
Wooden bridge out of repair	2
Wood piled on walk	17
Wire fence on sidewalk	2
Wooden trap doors	1
Water running across walk	5
Wreckage on walk	3
Wrecked auto left on parking	1
Water pipes broken	10
Wood in street, no light	7
Wasp nest	1
Wire hanging over street and walk	3
Miscellaneous complaints	111

NUISANCE INVESTIGATIONS—Continued

Ninety thousand and eighty-three instruments and investigations handled by Nuisance Division December 1, 1926, to November 30, 1927.

Respectfully submitted,

L. V. JENKINS, Chief of Police.

By JOE ROBERTS, General Foreman.

MUNICIPAL COURT

REPORT OF THE MUNICIPAL COURT TO THE MAYOR OF THE CITY OF PORTLAND, OREGON, OF ALL FINES, FORFEITURES AND COSTS COLLECTED BY THE MUNICIPAL COURT AND PAID TO THE CITY TREASURER FOR THE FISCAL YEAR ENDING NOVEMBER 30, 1927.

	Fines	Forfeitures	Costs	Total
December, 1926	$ 13,955.95	$ 4,060.50	$ 110.93	$ 18,127.38
January, 1927	10,876.00	4,754.40	147.87	15,778.27
February, 1927	10,945.50	2,898.50	58.60	13,902.60
March, 1927	11,068.00	4,967.90	34.10	16,070.00
April, 1927	14,524.00	3,388.50	40.65	17,953.15
May, 1927	13,524.50	3,305.00	128.24	16,957.74
June, 1927	11,497.50	2,297.50	46.85	13,841.85
July, 1927	15,384.50	2,695.93	36.00	18,116.43
August, 1927	11,173.50	3,428.00	55.87	14,657.37
September, 1927	10,512.00	3,542.50	28.35	14,082.85
October, 1927	11,895.00	3,947.50	88.50	15,931.00
November, 1927	12,483.50	3,724.00	78.40	16,285.90
Totals	$ 147,839.95	$ 43,010.23	$ 854.36	$ 191,704.54

Fines	$ 147,839.95
Forfeitures	43,010.23
Costs	854.36
Total	$ 191,704.54

Respectfully submitted,

F. W. STADTER, MUNICIPAL JUDGE.

Attest: N. D. BEUTGEN, CLERK.

OFFICE OF CITY ATTORNEY

ANNUAL REPORT FOR YEAR ENDING NOVEMBER 30, 1927

Portland, Oregon, January 3, 1928.

HONORABLE GEORGE L. BAKER, MAYOR OF THE CITY OF PORTLAND.

Dear Sir: The annual report of the City Attorney for the fiscal year ending November 30, 1927, is respectfully submitted, as follows:

Calendar matters reported upon	317
Written opinions rendered (in addition to many verbal opinions to various departments of the city)	173
Communications, written, general	8,679
Ordinances prepared	889
Contracts between City and parties furnishing materials and supplies to the City	214
Contracts and miscellaneous papers approved as to form	1,135
Bonds approved as to form	1,381
Warrants issued to electrical, health, license, and building inspectors	176
Search warrants prepared and issued	1,074
Affidavits for search warrants	1,074
Subpoenas issued	2,500
Complaints, Municipal Court	19,000
Real estate contracts prepared and execution thereof supervised	114
Deeds conveying property prepared, title insurance secured, and transactions consummated	276
Amount of money transmitted to City Treasurer on account of sale of property	$139,259.27
Amount collected on account of claims	$2,633.81

Hearings and adjournments thereof, conducted as follows:

On revocation of licenses	46
Before Mayor preliminary to discharge of police officers	4
Before Commissioner Bigelow preliminary to discharge of police officers and firemen	6
Before Public Service Commission, case pending	1
Representing City before Civil Service Board hearings; disposed of, 10; pending 1	11

All meetings of the Council and other meetings of the Commissioners, meetings of committees of the Council, meetings of the Bureau of Police and Bureau of Fire were attended by members of the City Attorney's Office.

The City Attorney appeared at numerous conferences with the Board of County Commissioners of Multnomah County.

There were written 480 communications to various owners of property with reference to unlawful uses thereof by tenants. An illustration of the helpfulness of co-operating owners is the fact that there were only 24 arrests in Second Street for gambling in 1927, as compared with 79 arrests in 1926. That renting agents are growing to take more responsibility in the uses tenants make of property is indicated by the fact that to one of the best-known real estate agencies were written 24 letters in 1927 as compared with 46 letters in 1926. In 34 cases of arrest it was found upon investigation that the offending occupant was himself the owner of the property. The action of

Meier & Frank Company in voluntarily wrecking a number of houses complained of in the north end, in the interest of improved civic conditions, sacrificing thereby regular monthly rentals, merits special mention.

The following is a summary of the court work handled by the City Attorney's office during the fiscal year ending November 30, 1927, and of the cases now pending in the courts:

CASES DISPOSED OF IN THE MUNICIPAL COURT DURING THE FISCAL YEAR ENDING NOVEMBER 30, 1927

After hours	337
Advertising, false	2
Advertising, no license	1
Advertising, no bond	1
Animals, cruelty to	9
Assault and battery	331
Assault	1
Bath in Willamette river, no bathing suit	1
Barricade, drive over	1
Building code, violation of	68
Burglar tools in possession	2
Dogs, no license	100
Dirt, dump on private property	7
Disorderly conduct	910
Electrical code, violation of	20
Fire ordinances, violation of	27
Firearms, discharging in the City	1
Fortune telling	9
For-hire vehicle, no license	8
GAMBLING	64
Conducting gambling	9
Device, exhibiting	19
Exhibit paraphernalia behind barred doors	92
Visiting behind barred doors	480
Visiting gambling	77
Lottery, conducting	15
Lottery paraphernalia in possession	74
Lottery, visiting	82
Lottery tickets in possession	5
Garbage, transport through Public Market	2
Garbage, transport uncovered	39
Glass, break in streets	32
Hawking	4
Housing code, violation of	1
Hotel ordinance, violation of	2
Health ordinance, violation of	5
Intoxication	2,061
Indecent and immoral act	3
Junk wagon, no tag	1
License ordinances, general	61
Language, profane and abusive, using	41
Mashing	55
Milk ordinance, violation of	12
MINORS—	
Rent canoe to	1
Cigarettes in possession	16
Cigarettes, smoking	1
Cigarettes, sell to	18
Tobacco, sell to	1
Pool room, being in	8
Pool room, permit in	5
Market, public, spieling in	9

NARCOTICS—	
Eng shee in possession	5
Indian hemp, give	1
Indian hemp, in possession	1
Hypodermic syringe in possession	3
Morphine, sell	2
Morphine, furnish	1
Morphine, in possession	2
Opium den, conduct	4
Opium den, visiting	27
Opium outfit in possession	11
Opium, possession	11
Opium, purchase unlawfully	1
Officer, peace, assume to be	2
Officer, resisting	2
Officer, interfering with	2
Pictures, obscene, in possession	1
Plumbing code, violation of	4
Property, personal, damaging	2
PROHIBITION—	
Manufacturing intoxicating liquor	172
Nuisance, liquor, maintaining	13
Possessing intoxicating liquor	1,146
Selling intoxicating liquor	227
Transporting intoxicating liquor	81
PROSTITUTION—	
Accosting men on streets	11
Bring together for purpose of prostitution	25
Bawdy house, conducting	4
Immoral woman, being	122
Soliciting prostitution	145
Phrenology, practicing without license	9
Rooster, kept near ill person	1
Rubbish, dumping on streets and lots	66
Report of holdup, false	2
Signs, electric, not illuminated	32
Signs, maintaining, no permit	1
Sign ordinance, violation of	1
Stage, operate without terminal	1
Snow and ice on sidewalk, fail to remove	125
Taxicab fare, refuse to pay	7
Taxicab driver, hauling intoxicated persons	1
Trespass	34
Trespass on city property	1
TRAFFIC—	
General	10,144
Driving while intoxicated	191
Vagrancy	1,419
Weights and measures	1
Weapons, carrying concealed	27
Wood, store on street	1
Dogs, vicious, at large	19
Total	19,342

CASES DISPOSED OF

United States District Court	1
Supreme Court of the State of Oregon	7
Circuit Court of Multnomah County, State of Oregon	146
District Court of Multnomah County	4
Circuit Court, appealed from Municipal Court	327
Municipal Court	19,342
Total	19827

CASES PENDING

United States District Court	1
Supreme Court of the State of Oregon	10
Circuit Court of Multnomah County, State of Oregon	86
District Court of Multnomah County	2
Circuit Court, appealed from Municipal Court	73
Total	172

SUMMARY OF CASES TRIED IN THE MUNICIPAL COURT AND APPEALED TO THE CIRCUIT COURT

Appeals from the Municipal Court and tried in the Circuit Court		327
Convictions	212	
Cases in which defendants were acquitted by the Court	19	
Cases dismissed for lack of evidence, in many cases owing to disappearance of witnesses or where witnesses did not wish to prosecute	32	
Cases dismissed or fines suspended because of physical condition of defendant	4	
Cases dismissed, defendant having paid damages to complaining witnesses	3	
Cases dismissed, defendant being sole support of wife and children	2	
Case dismissed, defendant having left jurisdiction of Court, forfeiting bail; City to have judgment against bondsman	1	
Case dismissed, defendant having entered plea of guilty in another parallel case	1	
Case dismissed; turned over to Federal authorities for prosecution: defendant fined in Federal Court	1	
Case dismissed, defendant having paid judgment of $1500 by reason of accident out of which charge grew	1	
Case dismissed, Municipal Judge signing search warrant, not a Magistrate, and without authority to execute same	13	
Sentence suspended, conditioned upon defendant's leaving city	12	
Sentence suspended, conditioned upon good behavior of defendant	6	
Sentence suspended, defendant being confined in Oregon State Penitentiary under one year's sentence	1	
Cases in which appeals were perfected but prior to trial in Circuit Court fines were paid in Municipal Court	2	
Cases in which appeals continued indefinitely	7	
Cases remanded to Municipal Court for further proceedings	10	
Total	327	327
Cases pending		73

SUMMARY OF CIVIL CASES DISPOSED OF AND PENDING IN THE UNITED STATES DISTRICT COURT, SUPREME COURT OF THE STATE OF OREGON, CIRCUIT COURT OF MULTNOMAH COUNTY, AND DISTRICT COURT FOR MULTNOMAH COUNTY.

	Civil Cases Disposed of	Civil Cases Pending
Cases involving assessments on improvements	7	2
Street extension or widening cases	24	35
Damages for personal injury	4	3
Damages for other than personal injury	6	5
Mandamus proceedings	3	0
Writ of review	0	1
Injunction suits	10	11
Suits to quiet title	76	22
* Tax foreclosures	16	14
Mechanic's lien foreclosures	1	0
Mortgage foreclosures	0	1
Action to recover on bond	1	0
Action to recover on deposit	0	1
Condemnation cases	7	0
Habeas corpus cases	2	0
Suit division of real property	1	0
Suit canceling certain taxes against City property	0	1
Action for false imprisonment	0	3
	158	99

* This office collected during the year on account of sale of delinquent tax property the sum of $139,259.27.

GRAND SUMMARY EXCLUSIVE OF COURT WORK

Calendar matters	317
Written opinions	173
Written communications	8,679
Letters written to various property owners respecting use of property for immoral purposes	480
Ordinances prepared	889
Contracts prepared	214
Contracts approved as to form	1,135
Bonds approved as to form	1,381
Warrants issued to electrical, health, license, and building inspectors	176
Search warrants	1,074
Affidavits for search warrants	1,074
Subpoenas issued	2,500
Complaints, Municipal Court	19,000
License revocation hearings before Council	46
Civil Service hearings	11
Hearings before Mayor	4
Hearings before Commissioner Bigelow	6
Hearings before Public Service Commission	1
Real estate contracts prepared and execution thereof supervised	114
Deeds conveying property prepared, title insurance secured, and transactions consummated	276
Amount of money transmitted to City Treasurer on account of sale of property	$139,259.27
Amount of money collected on account of claims	$2,633.81

GRAND SUMMARY OF COURT WORK

Civil cases disposed of	158
Criminal cases disposed of in Circuit Court	327
Criminal cases disposed of in Municipal Court	19,342
Total	19,827
Civil cases pending	99
Criminal cases pending	73
Total	172

Respectfully submitted,

FRANK S. GRANT, CITY ATTORNEY.

PUBLIC AUDITORIUM

Portland, Oregon, December 5, 1927.

HON. GEORGE L. BAKER, MAYOR:

Dear Sir: Submitted herewith is the annual report of the Public Auditorium for the fiscal year from December 1, 1926, to November 30, 1927:

During this year the Auditorium was used on 301 occasions, including use of the main arena on 241 occasions, the basement on 34 and the assembly rooms on 26. Of these attractions 190 paid the full established rental and 19 paid a reduced rental as granted by the City Council. The building was granted rent free for 92 occasions. The value of the dates granted free or with reduced rentals on the basis of the regularly established rental rates was $9300.

The total attendance during the year at the 301 affairs held was 102,000.

Following is a financial statement covering the year:

Receipts—	
Balance December 1, 1926	$ 769.19
Receipts from rentals, etc.	26,439.72
Transfers	16,510.22
	$43,719.13
Rentals due and unpaid	$ 1,212.00
Rental value of free dates	$9,300.00
Estimated expenditures account free attractions	5,060.00
Total account free rentals	$14,360.00
Disbursements—	
Warrants drawn	$41,513.11
Transfers	1,890.92
Balance November 30, 1927	315.20
	$43,719.13

ATTRACTIONS AT PUBLIC AUDITORIUM FOR FISCAL YEAR 1927

Date	Attractions	Attendance
December		
2	American Red Cross	350
3	Shrine Rehearsal	.....
4	Shrine Ceremonial	1,500
5	City Concert	463
6	Portland Symphony	3,375
7	Elwyn Concert Bureau	2,200
10	Elwyn Concert Bureau	2,800
11	Portland Symphony	1,100
12	City Concert	336
13	Elwyn Concert Breau	900
16	Broadcasters' Listeners' Association	125
19	City Concert	320
22	Journal Christmas Party	1,100
25	Elks Christmas Tree	4,000
26	City Concert	355
27	Portland Symphony	3,400
28	Christian Science Lecture	3,000
29	American Legion Show	2,500
30	American Legion Show	2,100
11	Christian Science Lecture	2,500
January		
2	City Concert	665
8	Portland Symphony	1,800
9	City Concert	531
10	Portland Symphony	3,400
14	Christian Science Lecture	3,200
15	Journal Juniors	2,000
15	Elwyn Concert Bureau	1,800
16	City Concert	782
17	Portland Symphony	3,400
19	Oregon Opera	1,000
20	McDowell Club	1,545
22	City Concert	144
24	Steers (Mordkin)	3,400
25	Steers (Mordkin), Matinee	1,000
25	Steers (Mordkin), Night	1,600
28	Elwyn Concert Bureau	2,500
29	Junior Symphony	2,000
30	City Concert	475
31	Steers-Coman	3,200
February		
1	Elwyn Concert Bureau	1,800
2	Gates of Jaffa Bazaar, Basement	1,500
3	Gates of Jaffa Bazaar, Basement	1,600
4	Knights of Columbus Lecture	1,000
5	Portland Symphony Orchestra	1,800
6	City Concert	376
7	Portland Symphony Orchestra	3,400
9	Portland Telegram, Afternoon	1,000
9	Portland Telegram, Evening	3,325
10	Christian Science Lecture	2,720
12	Journal Juniors, Morning	597
12	Byrd Lecture, Matinee	975
12	Byrd Lecture, Evening	12,000
13	City Concert	349
18	Grotto Ceremonial	1,200
19	Portland Symphony	1,600
20	City Concert	361

ATTRACTIONS AT PUBLIC AUDITORIUM FOR FISCAL YEAR 1927—Continued

Date	Attractions	Attendance
February		
22	High Schools, A. M	2,775
22	Americanization Meeting, P. M	2,000
23	Apollo Club	900
24	Mt. Olivet Church Choir	2,575
25	Steers & Coman (Kreisler)	3,000
27	City Concert	428
28	Portland Symphony	2,980
March		
1	Elwyn Concert Bureau	1,580
3	Christian Science Lecture	1,625
5	Turn Verein Exhibition	3,190
6	City Concert	475
7	Steers & Coman	3,425
9	Steers & Coman	1,400
12	M. A. A. C. Exhibition	1,190
13	City Concert	265
14	Portland Symphony	3,320
15	Elwyn Concert Bureau	1,190
17	Hibernians	2,520
18	Elwyn Concert Bureau	3,425
19	Bureau of Parks	1,085
20	City Concert	200
21	Steers & Coman	3,370
22	Ellison-White	1,825
23	V. Lidell Swedish Pictures	1,200
24	Dog Show, Basement	7,110
25	Dog Show, Basement	
26	Dog Show, Basement	1,530
26	Journal Juniors, A. M	377
27	City Concert	1,225
28	Pangle Wrestling Match	500
29	V. Lidell Swedish Pictures	
April		
1	Oregonian Spelling Contest	1,195
2	Oregonian Spelling Contest	1,200
3	City Concert	294
4	Mrs. Canady	425
9	Masons of Oregon	890
10	City Concert	269
14	Christian Science Lecture	1,540
16 to 24	Ben Hur (Picture), Afternoon and Evening	25,778
25	Steers & Coman	3,220
17	Oregon Commandery Easter Service	800
23	Journal Juniors, A. M	1,430
27	Daughters of Job	1,185
29	Apollo Club	900
30	Portland Fest Chorus	1,775
May		
3	Christian Science Lecture	1,975
13	Child Farm Home Benefit	1,200
6	Allys Mae Brown	900
14	Journal Juniors, A. M	1,590
16	Dixie Benefit	4,600
20	Mt. Olivet Church Choir	800
21	Junior Symphony	1,600
23	Shrine Ceremonial	1,200
24-25-26	Ben Hur (Picture), Evenings	5,568
25-26	Ben Hur (Picture)	

ATTRACTIONS AT PUBLIC AUDITORIUM FOR FISCAL YEAR 1927—
Continued

Date	Attractions	Attendance
May		
27	Lecture Senator Reed	1,850
29	Junior League Assembly Room	
June		
2	Count Von Luckner Lecture	1,600
3	Telegram Lecture, Ammundsen, P. M.	350
3	Telegram Lecture, Ammundsen, Evening	900
4	Decimo Club	1,500
6 to 12	Orange Men's Con. Assembly Room, Days	
11	Orange Men's Con. Main Auditorium, Evening	1,000
13	Rose Show, P. M.	1,000
14	Rose Show, P. M.	1,000
15	Rose Show, P. M.	1,200
15	Rose Show, Evening	1,200
16	Washington High School	3,000
17	Jefferson High School	2,500
18	V. Lidell Swedish Choir	2,800
23	Pioneers' Association	
29	St. Olaf Choir	1,500
11	Oregonian Radio Reception	3,000
July		
6	Decimo Club	1,200
29	Decimo Club	1,100
August		
2	Knights of Columbus' Convention	900
4 to 12	Fire Chiefs' Convention	12,000
21 to 27	Picture, Old Ironsides	3,500
September		
2	Republican Convention	1,200
13 to 18	Radio Show	12,000
19	Steers & Coman, Marion Tally	3,500
21	Specialty Merchants' Association	3,400
22	Specialty Merchants' Association	3,400
23	Specialty Merchants' Association	3,400
24	Journal Juniors	1,600
26	Decimo Club	1,150
October		
3	Oregonian Cooking School, P. M.	
4	Oregonian Cooking School, P. M.	
5	Oregonian Cooking School, P. M.	
6	Oregonian Cooking School, P. M.	4,500
6	Oregonian Cooking School, Evening	
7	Oregonian Cooking School, P. M.	
8	Sousa's Band, Matinee	1,404
8	Sousa's Band, Night	1,783
9	Sousa's Band, Matinee	2,384
9	Sousa's Band, Night	1,347
10	Decimo Club	900
14	Fire Prevention Programme	350
15	Journal Juniors	1,675
22	Ellison-White Lindsey Debate	3,200
24	Steers & Coman	2,500
25	Nero Musical Bureau	954
27	Preview Picture Rosaria	1,500
November		
2	Decimo Club	900
4	Ellison-White Prince William	1,600
7	Portland Symphony	3,000
8	Mrs. Blair Lecture	3,200

ATTRACTIONS AT PUBLIC AUDITORIUM FOR FISCAL YEAR 1927—
Continued

Date	Attractions	Attendance
November		
9	Mrs. Blair Lecture	3,200
9	Community Chest, Evening	1,000
10	American Legion Follies	900
11	Armistice Day Exercises, A. M.	2,000
11	American Legion Follies, Evening	1,600
12	Portland Symphony, A. M.	1,600
12	American Legion Follies, Afternoon	250
12	American Legion Follies, Evening	
14	Steers & Coman	
15	Pioneers' Association, Assembly Room	1,200
16	Bakers' Association	350
19	Journal Juniors	2,000
20	City Concert	609
21	Portland Symphony	2,200
24	Churches of Portland	1,000
26	Portland Symphony	1,200
27	City Concert	558

Respectfully submitted,

H. M. WHITE, MANAGER OF AUDITORIUM.

BOARD OF MOTION PICTURE CENSORS

ANNUAL REPORT OF SECRETARY TO BOARD OF MOTION PICTURE CENSORS

His Honor, the Mayor of Portland:

I have the honor to submit herewith the report of the Secretary to the Board of Motion Picture Censors, for the fiscal year ending November 30, 1927:

It is impossible to convey to the public any adequate idea of work such as is done under the ordinance regulating the exhibition of motion pictures. Its effects are intangible and, are so differently interpreted that only very close students can judge fairly, and citizens, generally speaking, are neither students nor just critics; each being swayed in his judgment by the impulse of the moment, or his training—not in the habit of the crowd, to shift the responsibility for conditions to the shoulders of constituted authority instead of participating in the acts of such authority in a truly democratic manner, and thus adding conviction to its judgment. Any authority paid for out of public funds is only as strong, only as effective as the public demands, and incidentally, the public conscience makes it. The Secretary of the Motion Picture Board ventures to express her opinion in this connection, an opinion born out of 18 years' service in the work.

Writing letters of criticism, sarcasm and vituperation of the Board are of little weight as compared with the effect of those same letters written to the exhibitors, voicing objections to films, or with protests registered at the box office of the theatres. The Censor Board and its viewers can undertake only such action as it is allowed by the ordinance.

Again, it must be remembered that the work of the viewers is all given voluntarily. The City does not even pay their carfare. Except for general rules adopted by the board as it interprets the ordinance, the verdict of the viewer is an individual expression and, as a result, these expressions of judgment are varied. Paid viewers, chosen after a most careful and rigid examination, might solve the problem to a certain extent, but would be more or less of a doubtful experience. The responsibility could then be more easily measured but it would not release the theatre-goer from his responsibility—it is the patron of the box office who is the final arbiter, and the little pasteboard ticket is the ballot that is the power. All that the Board and the viewers can do under existing conditions is to point the way, it cannot entirely control the crowd.

The regular monthly meetings have been held and the members of the board have been faithful in their attendance. It has been suggested that the membership be increased to five, instead of three, as at present. A motion was adopted at the March meeting that speakers be invited to address the viewers occasionally. The plan has not been fully organized as yet. At various times the Council of Churches, through its secretary, Mr. E. C. Farnham, has offered constructive

criticisms against certain films. The co-operation of this group, and also of the Parent-Teachers' Association, has been very helpful.

A meeting of the viewers is also held once a month. At these meetings pictures are discussed and methods of viewing are analyzed. There are at present 70 women and men giving their services to the City. This means a sacrifice of at least four hours of time each week and the Board, on behalf of the City, wishes to express its appreciation to each of them.

In cases, the condemnation of certain pictures have been overruled by the Council, special ordinances being passed as authority for showing pictures not approved by the viewers or the Board.

At the November meeting Mr. S. C. Pier tendered his resignation as a member of the Board, to take effect at once, as he expected to be absent from the City indefinitely. The resignation was accepted with much regret. Mrs. Walter M. Cook was appointed to fill the vacancy.

The statistical report for the year ending November 30, 1927, is as follows:

Number of subjects viewed	2,097
Number of reels viewed	6,237
Eliminations made in (subjects)	71
Number of subjects condemned	9
Number of reels condemned	42
Number of subjects appealed to Board	52
Number of subjects appealed to City Commissioners	9
Number of Board meetings held	81
Permits to exhibit issued	2,097
Number of people serving as viewers	70
Number of lineal feet of film viewed	6,237,000

FINANCIAL STATEMENT

Personal service	$2,452.50
Operation and maintenance	300.00
Total	$2,752.50

Respectfully submitted,

ELEANOR T. COLWELL, Secretary.

Board Members:

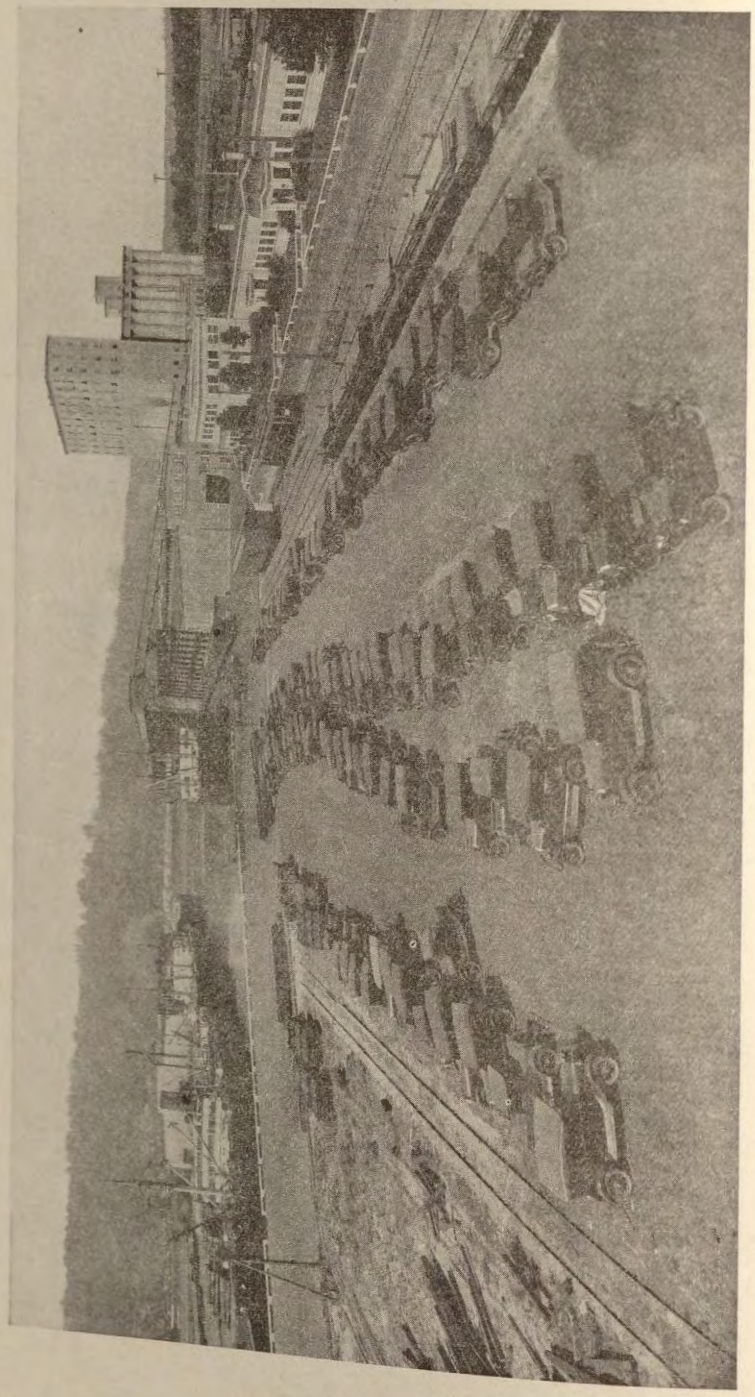
Mrs. F. O. Northrup, Chairman.
Mrs. Walter M. Cook,
Mr. Floyd Maxwell.

ANNUAL REPORT

OF

THE COMMISSION OF PUBLIC DOCKS

FOR THE FISCAL YEAR ENDING
NOVEMBER 30, 1927



GENERAL VIEW OF PIERS 1 AND 2, GRAIN ELEVATOR AND ADMINISTRATION BUILDING, MUNICIPAL TERMINAL NO. 4

THE COMMISSION OF PUBLIC DOCKS

REPORT OF THE CHAIRMAN OF THE COMMISSION OF PUBLIC DOCKS*

Portland, Oregon, March 20, 1928.

HON. GEORGE L. BAKER, MAYOR OF THE CITY OF PORTLAND, OREGON.

Sir: The Commission of Public Docks begs herewith to submit its annual report for the fiscal year ending November 30, 1927:

The Commission of Public Docks as now constituted consists of the following members: John H. Burgard, Chairman; F. C. Knapp, Vice-Chairman; A. H. Averill, Ira F. Powers, E. S. Collins.

Mr. Averill, whose term expired December 7, 1926, was reappointed by yon for another five-year period. Mr. J. O. Elrod tendered you his resignation in February, 1927, and you appointed Mr. E. S. Collins as of March 1, 1927, to finish out the remainder of Mr. Elrods' term, which expires December 7, 1928.

The Commission has been authorized to issue bonds to date in the sum of $10,500,000.00. On November 30, 1927, there remained available for construction purposes the following:

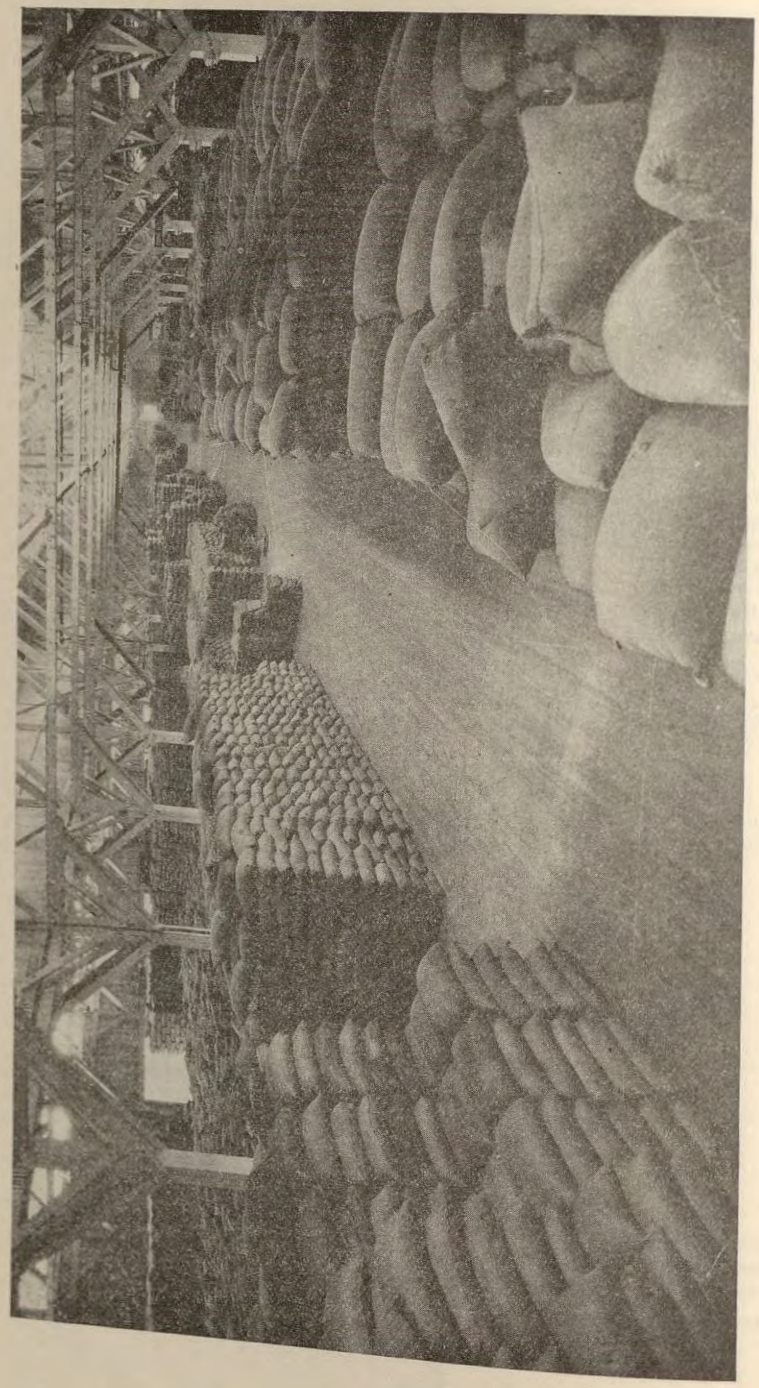
Port of Portland 20-year, Series D, Portland Improvement and Equipment Bonds	$393,000.00
Construction Fund	43,850.65
Unsold Dock Bonds (authorized 1910)	99,800.00
Total	$536,650.65

By amendment to the City Charter November 8, 1910, The Commission of Public Docks was created a separate department of the City of Portland with duties and powers essentially as follows:

(a) To prepare a plan for the reconstruction of the harbor front, provide for the needs of commerce, shipping, and the reconstruction of waterfront facilities.
(b) To provide public-owned docks.
(c) To acquire by purchase or condemnation, such lands as may be necessary for the construction of public docks.
(d) To have exclusive charge and control of the wharf property belonging to the City of Portland.
(e) To have exclusive control of all privately owned city waterfront property.
(f) To regulate, by ordinance and/or permit, all construction along the waterfront within the city limits.
(g) To establish and regulate wharfage and other charges to cover shipping operations over publicly owned and operated docks.

The Commission of Public Docks has constructed, and owns and operates the wharves, warehouses, grain elevator, coal and ore bunkers, cold storage plant, bulk oil and molasses handling and storage plant

*Note—For further details and statistics address Commission of Public Docks, foot of Stark sereet.



CARGOES OF SACKED GRAIN ASSEMBLED ON PIER NO. 1, MUNICIPAL TERMINAL NO. 4

and other facilities which comprise the Municipal Terminals Nos. 1, 2, 3 and 4.

Modern mechanical equipment provided includes locomotive cranes, car tipper, electric winches, freight elevators, adjustable ramps, cargo hoists, piling machines, gravity conveyors, and gasoline and electric tractors. All units have rail connections with ample trackage accommodation. A water depth approximately 35 feet at low water is maintained in slips and alongside piers or wharves. Facilities are provided to supply vessels with city water, telephones are installed along the face of transit sheds, and vessels may be connected to terminal light circuits. All principal structures have automatic sprinkler system installed. Watchmen report through A. D. T. service. An adequate equipment of wheeled and hand fire extinguishers is distrihuted about the premises. A permanently employed fire inspector supervises all fire-protection measures. At Terminal No. 4, the largest of the terminals, a fire engine is maintained.

All administrative business of the Commission is handled at the main office, foot of Stark Street.

A description of the properties of the Commission is appended to this report.

Wharfage and other charges assessed by the Commission for use of terminal facilities and services are established by ordinance and set forth in a published tariff, Tariff No. 9 being the current issue. These charges are in general on a parity with those assessed at other ports of the Pacific Northwest.

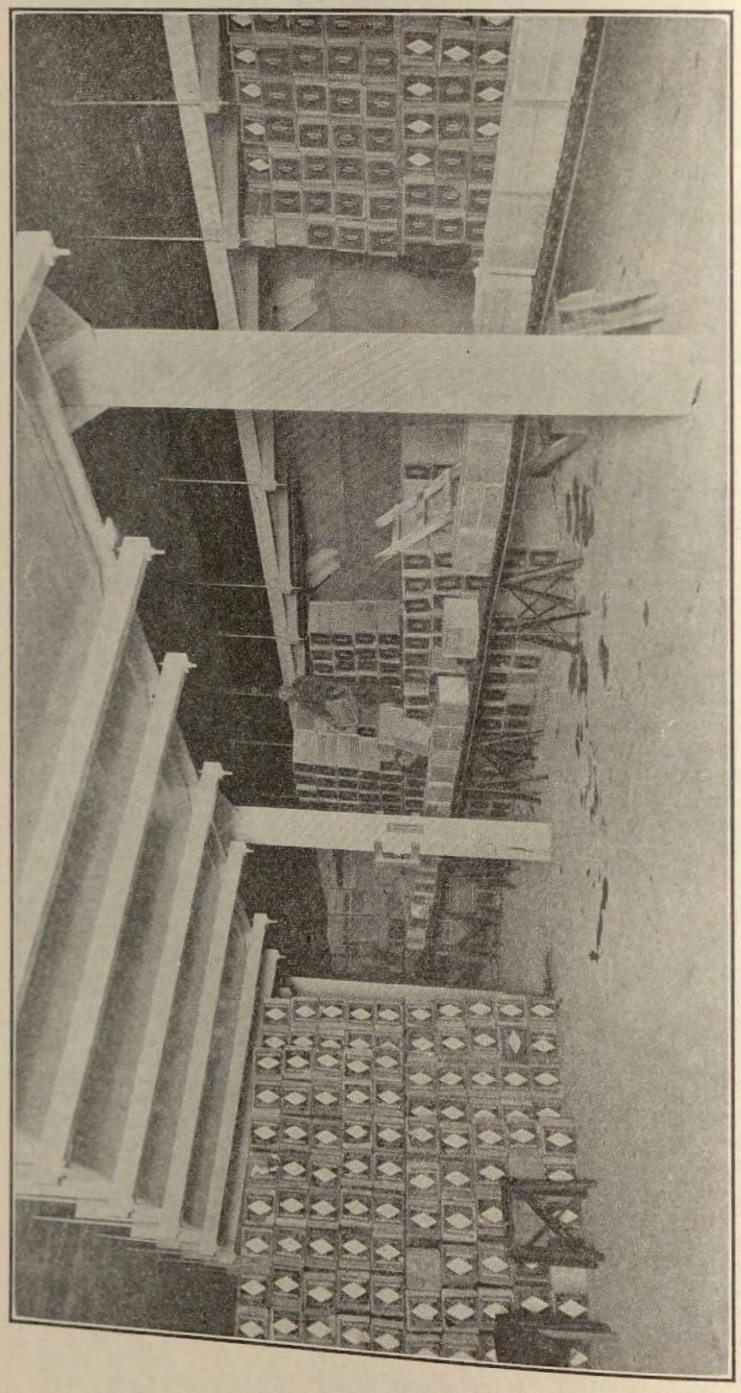
All ordinances passed by The Commission of Public Docks are matters of public records and are on file with the Auditor of the City of Portland and at the main office of the Commission.

During 1914, its first year of operation, the Commission handled a total of 31,373 tons, and for the year ending November 30, 1927, a total of 1,086,518 tons passed over its terminals, the largest tonnage in the history of the Commission, and 197,838 tons greater than 1926. The heavy wheat movement is largely responsible for this increase in tonnage handled, the Commissions' share in 1927 being 373,804 tons, or 166,444 tons more than in 1926.

The increased volume of business for 1927 is reflected in the earnings of the terminals but the expenditures for maintenance, necessitated because of the age and natural deterioration of the wood construction, detract appreciably from the profits of the properties.

Pursuant to Sub-division "K" of Section 163 of the City Charter, and to the statutes of the State of Oregon, and more particularly Section 8 of Chapter 208 of the general laws of Oregon for 1921, The Commission of Public Docks notified the County Clerk and the County Assessor that tax levy of the department for the fiscal year ending November 30, 1927, had been fixed at $763,352.72, of which sum $751,-112.50 was for bond interest and redemption purposes.

Pursuant to Section 163 of the Charter of the City of Portland, as revised by the Council August 1, 1914, there is appended hereto the financial statement prepared by the Secretary, with itemized account of revenues from operations and all receipts and disbursements



FOUR COLD STORAGE ROOMS WITH CAPACITY OF 100,000 BOXES OF APPLES ARE PROVIDED IN THE COLD STORAGE PLANT AT MUNICIPAL TERMINAL NO. 4

for the fiscal year. There is also attached a table of dock statistics, covering tonnage of commodities handled over the municipal terminals. Comparisons are given for a five-year period.

Respectfully submitted,

JOHN H. BURGARD, CHAIRMAN.

PROPERTIES AND FACILITIES OF THE COMMISSION OF PUBLIC DOCKS

TERMINAL NO. 1

Location—Foot of North Seventeenth street (West Side).

Accommodates—European, intercoastal and local trans-Pacific traffic.

Berths—Five vessels.

Shed area—349,600 square feet.

Open area—78,500 square feet.

Trackage—Working capacity, 91 cars; accommodates 140 cars.

Equipment—20-ton locomotive crane, gasoline and electric tractors, cargo masts, freight elevators, etc.

Units	Length	Transit Shed
Quay dock—berthing space (harbor)	955 lin. ft.	147x935 ft.
Pier "A"—berthing space (slip)	484 lin. ft.	176x322 ft.
Pier "B"—berthing space (slip)	500 lin. ft.	187x494 ft.
Pier "B"—berthing space (harbor)	457 lin. ft.	
Warehouse No. 1 (storage shed)		190x200 ft.

TERMINAL NO. 2

Location—Foot of East Washington street.

Accommodates—Coastwise and local river traffic.

Berths—One vessel.

Shed area—Upper level, 52,000 square feet; lower, 52,100 square feet.

Open area—50,000 square feet.

Trackage—Working capacity, 15 cars; accommodates 20 cars.

Units	Length	Transit Shed
Quay dock—berthing space	526 lin. ft	100x526 ft.

TERMINAL NO. 3

Location—Foot of Pittsburgh street (East Side).

Accommodates—Local traffic, transit and warehousing.

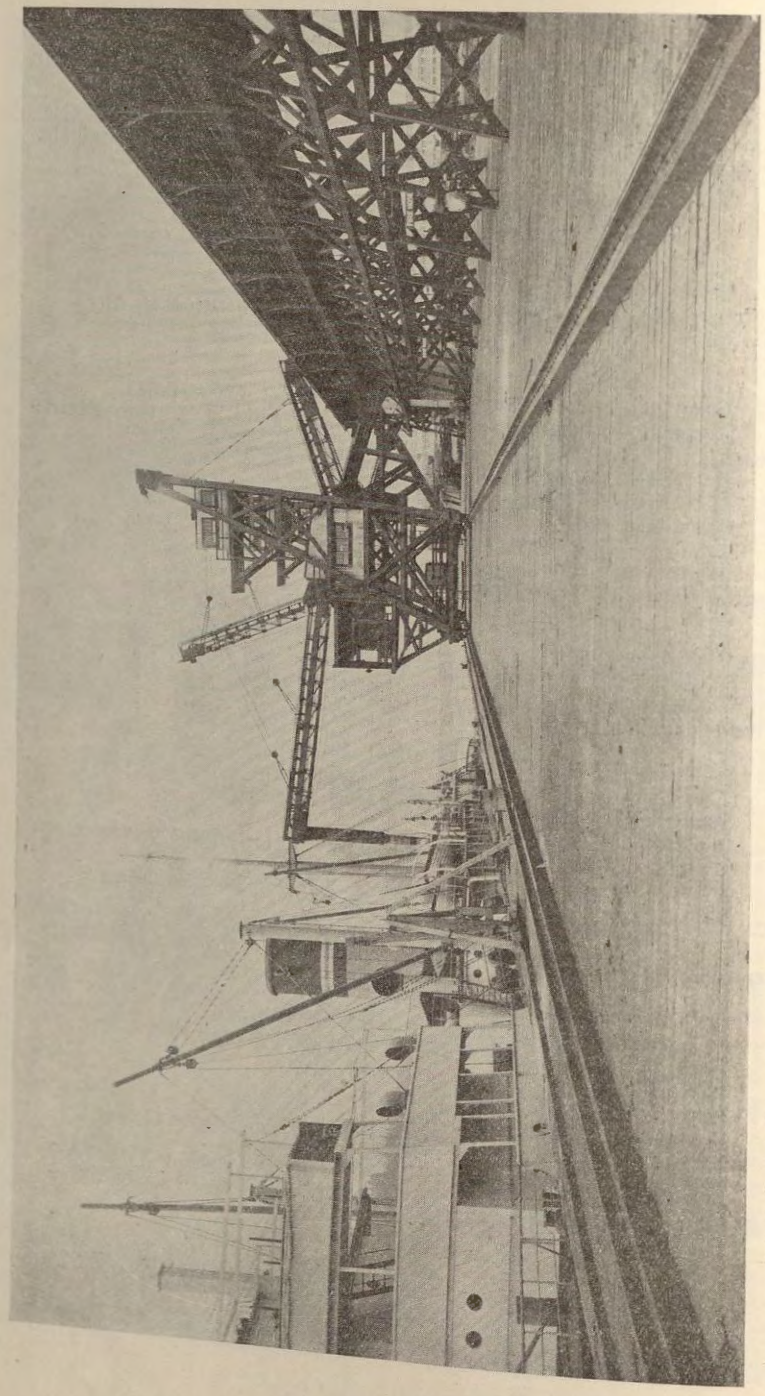
Berths—One vessel.

Shed area—44,000 square feet.

Open area—21,400 square feet.

Trackage—Working capacity, 19 cars; accommodates 27 cars.

Units	Length	Transit Shed
Quay dock—berthing space	560 lin. ft.	100x440 ft.



LOADING ZINC ORE CONCENTRATES AT BUNKERS, PIER NO. 5, MUNICIPAL TERMINAL NO. 4

TERMINAL NO. 4

Location—Foot of Burgard avenue (East Side, Lower Harbor).

Accommodates—Trans-Pacific, Transcontinental traffic; full cargoes of all traffics, and the handling of bulk commodities.

Shed area—586,360 square feet.

Open area—211,140 square feet.

Trackage—Working capacity, 425 cars; accommodates 800 cars.

Equipment—Two locomotive cranes (of 15 tons and 25 tons capacity), switch engine, tractors, freight elevators, cargo masts, gravity and power conveyors, etc.

Units	Length	Transit Shed
Pier No. 1 (main pier) berthing space (slip).....	1500 lin. ft.	180x1500 ft.
(Harbor extension) berthing space (harbor).....	605 lin. ft.	150x 328 ft.
Pier No. 2—berthing space (slip).....	1500 ft.	166x 715 ft.
Berthing space (harbor).....	300 ft.	
Pier No. 5—Berthing space (slip).....	900 ft.	
Berthing space (harbor).....		655 ft.
Open wharf		99,840 sq. ft.

Bunkers and Bulk Storage Plant

Location—Adjoining Pier No. 5.

Storage capacity—10,000 tons (concrete bins), utilized for coal, concentrates, ore, phosphate rock and other bulk commodities.

Equipment—Unloading and handling facilities, conveyor belts, traveling ships towers and box car unloader (car tipper).

All machinery electrically driven.

Bulk Oil and Storage Plant

Located—Adjacent to Piers 1 and 2.

Storage capacity—1,486,800 gallons (14 steel tanks).

Utilized for—Bulk vegetable oils.

Equipment—Heating plant, two 60-ton steel tank scales, electric pumps (including a two-stage turbine sinking type ship pump with capacity of 165 tons bulk oil per hour), compressed air and steam plant, and facilities for barrelling or bulking oil, loading cars and cleaning tank cars. Double mains from plant to Piers 1 and 2.

Cold Storage Plant

Located—Adjoining Pier No. 1.

Construction—Hollow tile; standard insulation.

Capacity—105,000 boxes apples.

Equipment—Brine system of refrigeration, electric fan air ventilation system, duplicate machinery, gravity conveyors.

Fruit Warehouse

Located—Connecting Pier No. 1 and Cold Storage Plant.

Construction—Hollow tile.

Capacity—250,000 boxes apples.

Equipment—Electrically driven ventilated system, insulated doors and windows, gracity conveyors.

Bulk Grain Elevator

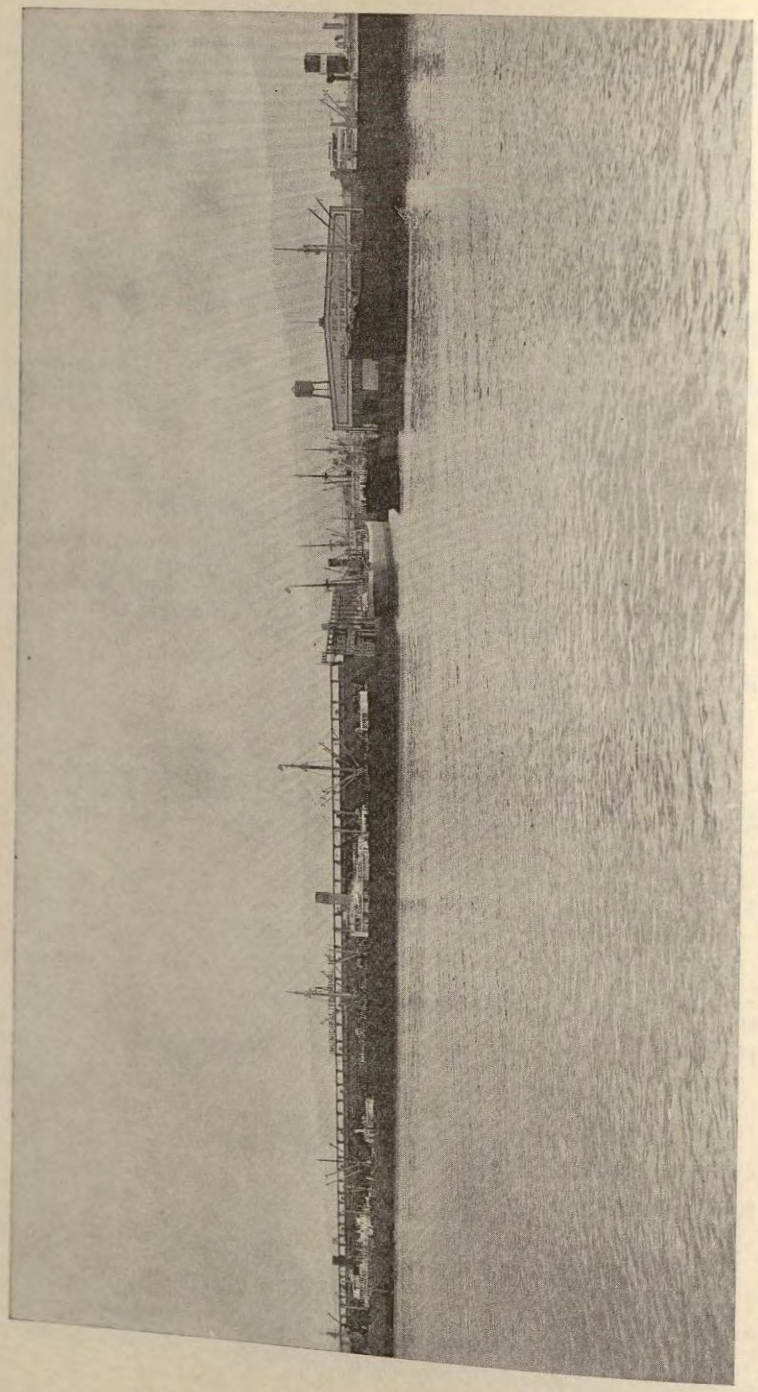
Located—Adjacent to Pier No. 1.

Construction—Reinforced concrete.

Storage capacity—1,000,000 bushels.

Car unloading capacity (bulk)—15,000 bushels per hour.

Ship loading capacity (bulk)—30,000 bushels per hour.



HARBOR VIEW, MUNICIPAL TERMINAL NO. 1

Equipment—5 smutters, 2 separators, 2 double cylinder washers, bulk power shovels, electric car pullers and dust collecting system. All machinery electrically driven.

Note—Part of Pier No. 1, designated as Grain Section of Pier, is equipped with sacking out facilities, belt conveyors connecting with elevator and appliances for unloading, handling and cutting in sacked wheat. A two belt shipping gallery connecting with elevator extends the full length of Pier No. 1. It is equipped with 4 movable trippers and 12 loading spouts.

Additional Features

A commodious Administration Building containing the offices of the operative and clerical staff of the Terminal. The Federal and the State Grain Inspection Bureau both maintain offices and laboratories in this building.

A Welfare Building fitted with shower baths, rest rooms, etc., is maintained for the comfort and convenience of employes.

The Cafeteria, a separate building equipped with all modern culinary appliances. The dining room is large enough to comfortably seat 200 persons. This building was constructed to insure restaurant accommodation to employes and patrons of the Terminal.

Offices provided on Pier No. 1 for the Inspectors of the United States Customs Service.

The Transcontinental Railroads maintain a joint agency at this Terminal. Offices of Agent and staff are located on Pier No. 1.

A Standard Track Scale is installed on premises. It is operated under the supervision of the Transcontinental Freight Bureau.

A Fumigation Plant has been constructed on the premises by private interests. This plant contains modern machinery for the successful fumigation of all commodities. Operated under State and Federal Horticultural Board supervision.

A Flour Mill with capacity of 1500 barrels per day is located on land leased from the Commission of Public Docks. Conveyors connect Mill with Grain Elevator for receipt of wheat and with Pier No. 1 for delivery to vessels of mill products.

The Commission of Public Docks has reserved part of the 211 acres comprising the site of Terminal No. 4 for future construction and expansion. A certain portion, however, has been designated for industrial sites and is available for lease to private enterprise.

OTHER PROPERTIES

Public Levee Property

Situated between Harbor line and Water street and extending from Jefferson to Clay street (West Side). Tract contains 4.76 acres.

Woodward Avenue Boat Landing

Located at the foot of Woodward avenue (East Side). A float, ramp and stairway approach provide landing accommodations for small water craft.

Stark Street Boat Landing

This property, located at the foot of Stark street, is equipped with landing float and adjustable ramp for the accommodation of small craft. craft.

The Administration offices of the Commission of Public Docks are contained in the two story concrete building erected over the Municipal Boat Landing at the foot of Stark street.



INTERIOR PIER "A", MUNICIPAL TERMINAL NO. 1

BALANCE SHEET—THE COMMISSION OF PUBLIC DOCKS OF THE CITY OF PORTLAND, OREGON, FISCAL YEAR ENDED NOVEMBER 30, 1927

CAPITAL ACCOUNTS

ASSETS			LIABILITIES		
Cash	.....	$ 43,850.65	Accounts Payable	.....	$ 9.83
			Bonds Authorized	$10,560,000.00	
			Less Bonds Unsold	99,800.00	
				$10,460,200.00	
			Less Bonds Redeemed	1,580,200.00	
Real Estate—					
Terminal No. 1	$1,310,945.31				
Terminal No. 2	355,562.47				
Terminal No. 3	41,118.40				
Terminal No. 4	204,945.71				
Public Levee	655.00				
Ferry Landing	10.00				
		1,913,236.89	Bonded Debt	.....	$8,880,000.00
			Surplus	.....	855,562.31
Plant—					
Terminal No. 1	$1,077,842.08				
Terminal No. 2	293,102.34				
Terminal No. 3	58,423.14				
Terminal No. 4	5,721,051.30				
Street Railway	63,537.96				
Stark Street M. B. L.	46,241.83				
Woodward Ave. M. B. L.	4,740.27				
		7,264,938.92			
Equipment—					
Terminal No. 1	$ 24,439.97				
Terminal No. 2	2,743.35				
Terminal No. 3	574.05				
Terminal No. 4	75,369.52				
General	6,797.30				
Harbor Patrol	10,621.49				
		120,545.68			
Securities	.....	393,000.00			
		$9,735,572.14			$9,735,572.14

BALANCE SHEET—THE COMMISSION OF PUBLIC DOCKS OF THE CITY OF PORTLAND, OREGON, FISCAL YEAR ENDED NOVEMBER 30, 1927

OPERATING ACCOUNTS

ASSETS			LIABILITIES		
Cash—			**Accounts Payable**		$ 32,683.06
General Fund	$189,205.93		**Reserve—**		
Revolving Fund	20,000.00		Emergency	$155,000.00	
Maintenance Fund (Special "A")	12,817.43		Maintenance	118,817.43	
Insurance Fund (Special "E")	14,047.21		Insurance	38,047.21	
Uncalled for Checks (Special "F")	578.62		Unpaid Taxes	151,185.20	
Emergency Fund	50,000.00	$286,649.19	Uncalled for Checks	578.62	
					463,628.46
Securities—			**Balance**		306,988.61
Emergency Fund	$105,000.00				
Maintenance Fund (Special "A")	106,000.00				
Insurance Fund (Special "E")	24,000.00				
General Fund	48,000.00	283,000.00			
Accounts Receivable—					
Customers' Accounts	$ 82,865.74				
Less Reserve — Bad Accounts	400.00				
Net Accounts Receivable.	$ 82,465.74				
Taxes Receivable—	151,185.20	233,650.94			
		$803,300.13			$803,300.13

SINKING FUND ACCOUNTS

ASSETS		LIABILITIES	
Cash	$ 79,085.36	**Reserve**	$925,431.50
Securities	914,850.00	**Sinking Fund Surplus**	68,503.86
	$993,935.36		$993,935.36

DEFERRED ACCOUNTS

Prepaid Insurance	$ 31,306.89	**Future Taxes—Prepayment**	$ 2,697.56
Bond Discounts	439,762.50	**Bond Premiums**	23,823.40
		Balance	444,548.43
	$471,069.39		$471,069.39

SUMMARY OF BALANCES

Capital Account Surplus	$ 855,562.31
Operating Account Surplus	306,988.61
Deferred Charges	444,548.43
	$1,607,099.35

REVENUE AND EXPENSE—THE COMMISSION OF PUBLIC DOCKS OF THE CITY OF PORTLAND, OREGON, FISCAL YEAR ENDING NOVEMBER 30, 1927

OPERATING ACCOUNT

REVENUE			EXPENSE		
Tax Receipts—			**Administration—**		
Delinquent	$ 92,845.30		Personal service	$ 40,997.79	
1927 Tax Roll	681,857.80		Office supplies	2,967.99	
	$774,703.10		Subscriptions	465.13	
Used for Debt Purposes	738,547.98	$ 36,155.12	Traveling expense	1,252.78	
Interest on Daily Bank Balances	$ 4,680.82		Supplies for boat landing	522.57	
Interest on Emergency Fund Securities	2,121.10		Engineering supplies	278.00	
Interest on Special Funds	6,764.91	13,566.83	Sundry legal and special service	9,078.22	
Operation Revenue—			Sundry expense	5,504.22	
Terminal No. 1:			Insurance	1,013.11	
Services furnished others	$ 54,011.08		Maintenance	1,605.22	
Wharfage	127,589.34		Equipment depreciation	897.00	$ 64,582.03
Dockage	267.74		**Terminal Operation—**		
Storage	6,863.74		**Terminal No. 1:**		
Rental of equipment	4,597.85		Services furnished others	$ 35,471.42	
Electric current	143.38		Personal service	21,009.49	
Water	761.17		Office supplies	484.25	
Rental of space	2,043.82	196,278.12	Dock supplies	1,232.11	
			Fire protection, A. D. T. System	535.31	
			Telephone, water, electric current, heat	3,582.80	
			Sundry expense	480.24	
			Insurance	3,756.80	
			Maintenance	61,767.99	
			Equipment depreciation	2,827.63	131,148.04

REVENUE AND EXPENSE—THE COMMISSION OF PUBLIC DOCKS OF THE CITY OF PORTLAND, OREGON, FISCAL YEAR ENDING NOVEMBER 30, 1927—Continued

OPERATING ACCOUNT—Continued

REVENUE			EXPENSE		
Terminal No. 2:			**Terminal No. 2:**		
Services furnished others	$ 2,661.92		Services furnished others	$ 1,610.40	
Wharfage	16,746.79		Personal service	6,202.40	
Storage	246.07		Office supplies	69.55	
Rental of equipment	199.76		Dock supplies	88.00	
Electric current	178.92		Fire protection, A. D. T. System	170.00	
Water	450.52		Telephone, water, electric current, heat	1,468.24	
Rental of space	6,878.21	27,362.19	Sundry expense	319.94	
			Insurance	891.28	
Terminal No. 3:			Maintenance	6,222.00	
Dockage		$ 16.40	Equipment depreciation	190.10	17,231.91
			Terminal No. 3:		
			Personal service	$ 25.78	
			Water	7.20	
			Insurance	745.72	
			Maintenance	39.90	
			Equipment	40.00	$ 858.60

REVENUE AND EXPENSE—THE COMMISSION OF PUBLIC DOCKS OF THE CITY OF PORTLAND, OREGON, FISCAL YEAR ENDING NOVEMBER 30, 1927—Continued

OPERATING ACCOUNT—Continued

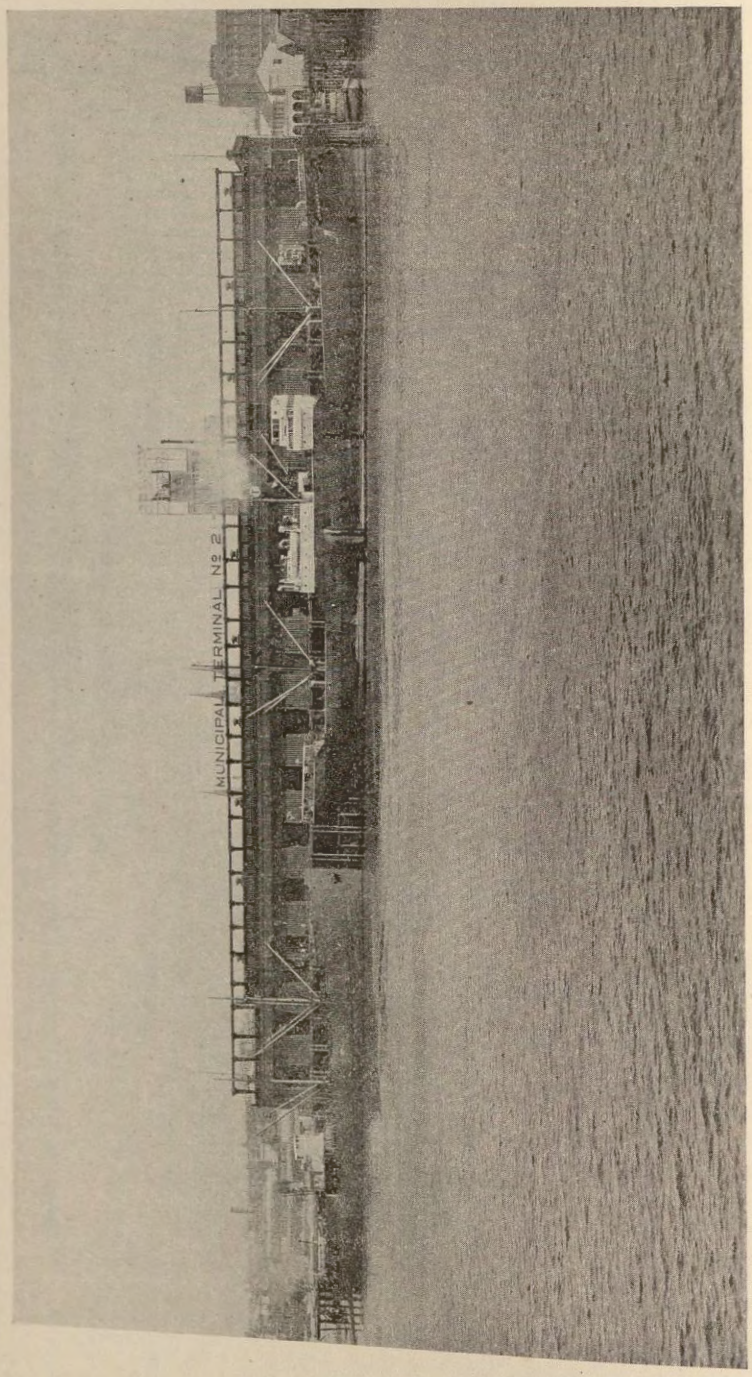
REVENUE			EXPENSE		
Terminal No. 4:			**Terminal No. 4:**		
Services furnished others	$265,768.50		Services furnished others	$192,122.70	
Wharfage	214,927.92		Personal service	62,395.77	
Dockage	544.40		Office supplies	1,607.53	
Storage	69,943.08		Dock Supplies	8,029.86	
Rental of equipment	6,009.63		Fire protection, A. D. T. System	1,605.30	
Electric current	102.13		Telephone, water, electrical current, etc.	25,739.05	
Water	317.65		Leases	10.00	
Rental of space	2,813.63		Sundry expense	981.49	
Public scales	2,325.00		Insurance	19,396.79	
Miscellaneous	24.65	562,776.59	Maintenance	108,951.01	
			Equipment depreciation	5,148.46	425,987.96
Miscellaneous:	$ 3,850.05		**Harbor Patrol Boat:**		
Public Levee rental	10.00		Sundry expense	$ 68.29	
Sundry		3,860.05	Insurance	850.00	
			Maintenance	91.93	
			Equipment depreciation	471.10	1,481.32
			Street Railway:		
			Operating cost less revenue	$ 7,225.54	
			Sundry maintenance	108.91	7,334.45
			Street Assessments		7,492.28
			Bad Accounts—Written Off.		20.15

CAPITAL ACCOUNT

Interest Earnings	$ 18,441.33

DEBT ACCOUNT

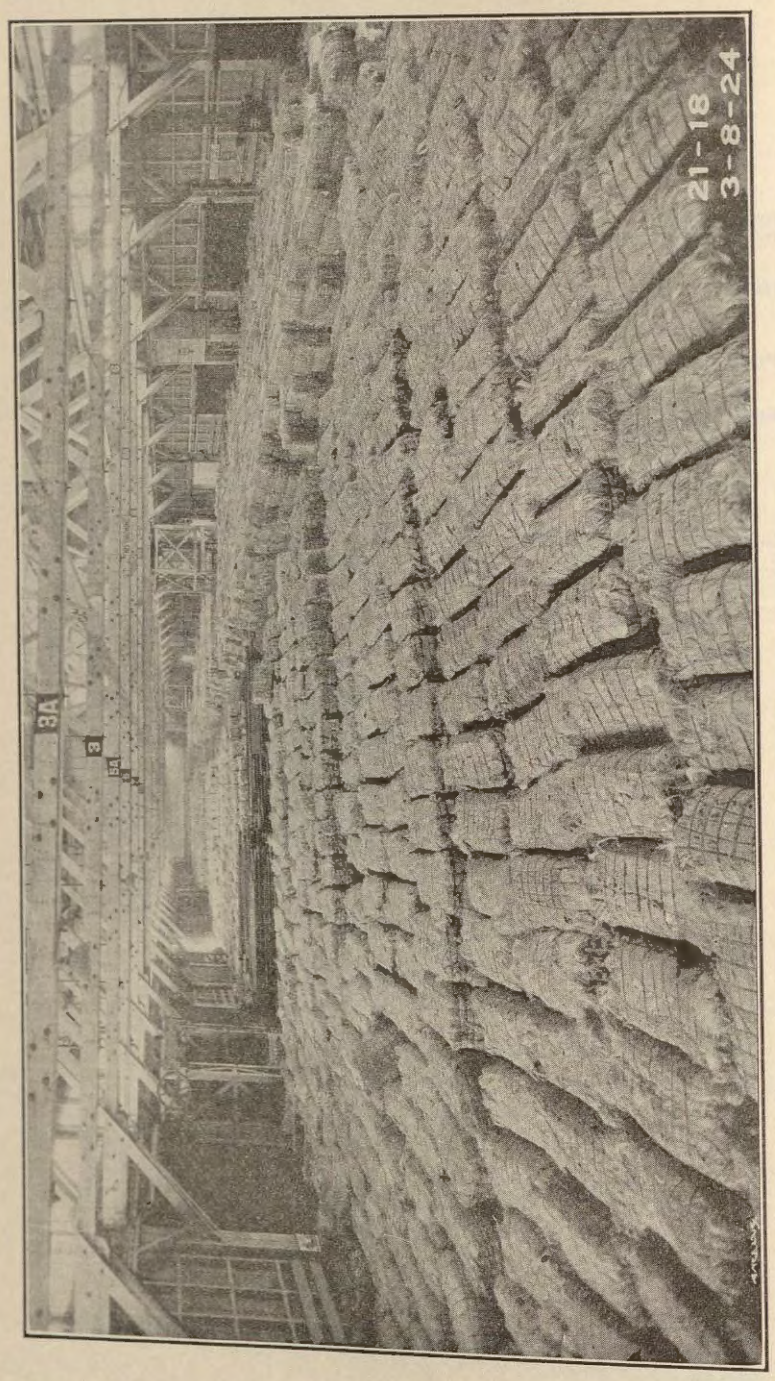
Tax Receipts for Debt Purposes	$ 738,547.98	**Interest on Bonded Debt**	$ 424,812.50
Interest Earnings	32,448.22	**Sinking Fund Installment**	50,850.00
		Bonds Redeemed	270,000.00
		Balance	227,653.59
	$1,629,452.83		$1,629,452.83



HARBOR VIEW OF MUNICIPAL TERMINAL NO. 2

CONSTRUCTION FUND

RECEIPTS		
Interest on Construction Fund Securities.....	$ 17,685.00	
Interest on Bank Cash.....	756.33	
	$ 18,441.33	
Balance December 1, 1926.....	27,508.80	$ 45,950.13
DISBURSEMENTS		
Plant Terminal No. 4—		
Betterments	$ 854.54	
Equipment—		
Terminal No. 1	216.47	
Terminal No. 4	791.22	
General	237.25	
	$ 2,099.48	
Balance on hand November 30, 1927.....	43,850.65	$ 45,950.13

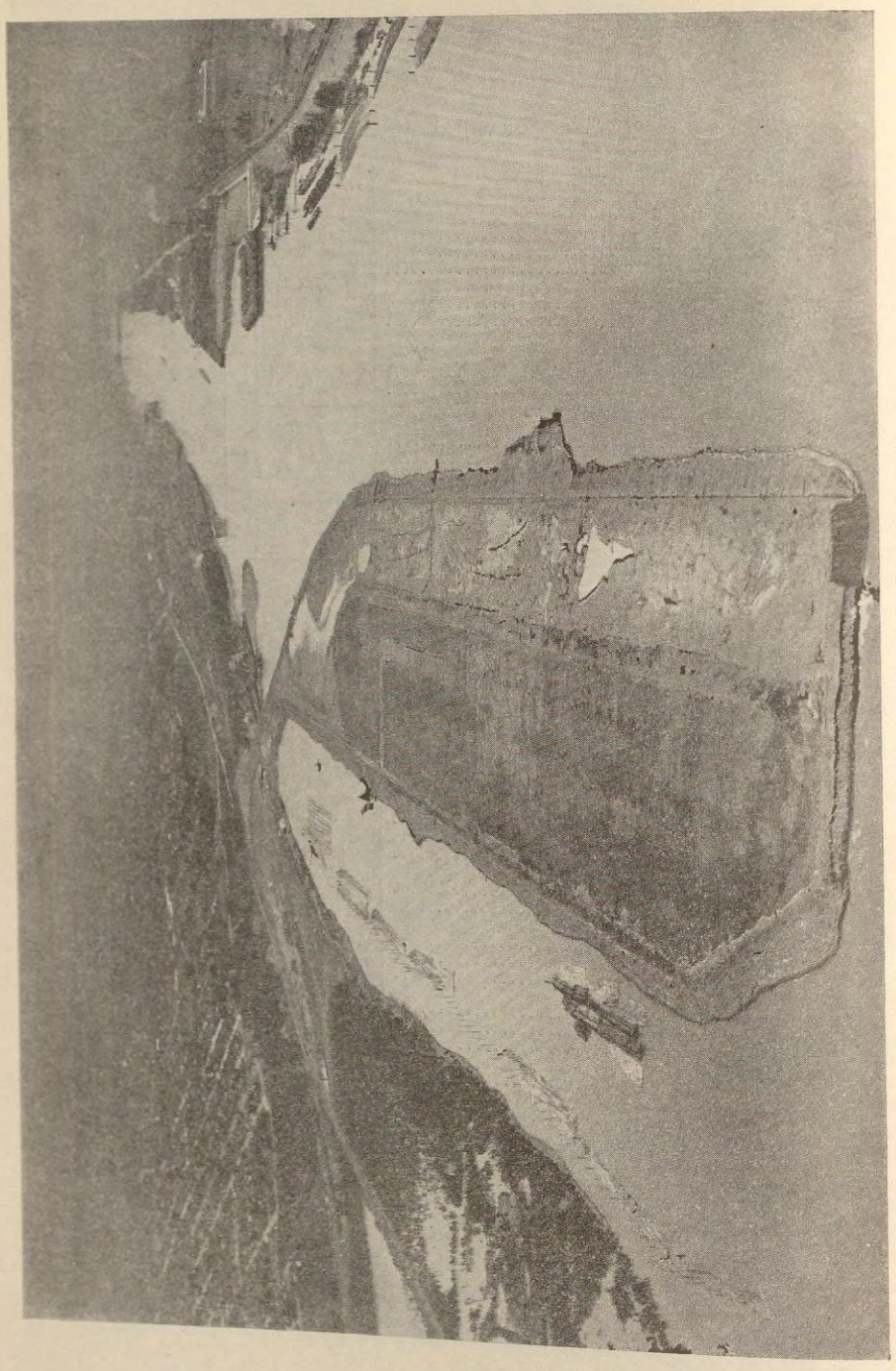


INTERIOR OF UPPER LEVEL DOCK, TERMINAL NO. 2, SHOWING IMPORT HEMP CARGOES

GENERAL FUND

RECEIPTS		
Revenue from Operation—		
Terminal No. 1	$ 187,594.16	
Terminal No. 2	27,065.47	
Terminal No. 3	16.40	
Terminal No. 4	544,777.12	
Public Levee	3,850.05	
Miscellaneous	11.50	$ 763,314.70
Interest Earnings—		
On Emergency Fund Securities	$ 2,121.10	
On Daily Balances	4,680.82	6,801.92
Taxes—		
Current	$ 678,494.50	
Delinquent	92,845.30	
Future	2,697.56	774,037.36
Sundries—		
Accounts Recollectible	$ 90.11	
Refunds and Overpayments	51.59	141.70
Balance December 1, 1926		96,570.13
		$1,640,865.81
DISBURSEMENTS		
Administration—		
Personal Service	$ 40,989.39	
Supplies and Expense	18,753.82	$ 59,743.21
Operation Terminal No. 1—		
Operation for Others	$ 34,517.33	
Personal Service	21,345.62	
Supplies and Expense	6,279.72	62,142.67
Operation Terminal No. 2—		
Operation for Others	$ 1,659.60	
Personal Service	6,376.47	
Supplies and Expense	1,982.74	10,018.81
Operation Terminal No. 3—		
Personal Service	$ 27.53	
Supplies and Expense	7.20	34.73
Operation Terminal No. 4—		
Operation for Others	$ 186,640.17	
Personal Service	62,696.72	
Supplies and Expense	37,476.10	286,812.99
Operation Street Railway		6,660.37
Operation Harbor Patrol		68.29
Street Assessments		7,492.28
Maintenance		175,495.36
Insurance		40,052.81
Bonded Debt—		
Interest	$ 424,812.50	
Serial Redemptions	270,000.00	
Sinking Fund Installments	50,850.00	745,662.50
Refunds and Overpayments		389.70
Accounts Recollectible		247.17
Balance November 30, 1927*		246,044.92
		$1,640,865.81

*Subject to certain incumbrances.
See balance sheet for adjusted balance.



AERIAL VIEW OF THE PORT OF PORTLAND AIRPORT

SINKING FUND "A"
(For Redemption of $50,000.00 Dock Bonds November 1, 1941)

RECEIPTS		
1927 Installment from General Fund	$ 1,000.00	
Interest Accretion—		
Earnings on Bank Cash	19.25	
Earnings on Securities	873.75	
Bonds Matured	6,000.00	$ 7,893.00
Balance December 1, 1926		2,887.02
		$ 10,780.02
DISBURSEMENTS		
Securities Purchased	$ 9,000.00	
Interest Premium and Discount	97.56	$ 9,097.56
Balance December 1, 1927		1,682.46
		$ 10,780.02

SINKING FUND "B"
(For Redemption of $1,250,000.00 Dock Bonds May 1, 1943)

RECEIPTS		
1927 Installment from General Fund	$ 26,000.00	
Interest Accretion—		
Earnings on Bank Cash	185.73	
Earnings on Securities	20,105.40	
Bonds Matured	83,000.00	$ 129,291.13
Balance December 1, 1926		27,922.72
		$ 157,213.85
DISBURSEMENTS		
Securities Purchased	$ 126,000.00	
Accrued Interest and Premium	4,592.87	$ 130,592.87
Balance December 1, 1927		26,620.98
		$ 157,213.85

SINKING FUND "C"
(For Redemption of $900,000.00 Dock Bonds December 1, 1943)

RECEIPTS		
1927 Installment from General Fund	$ 19,000.00	
Interest Accretion—		
Earnings on Bank Cash	125.92	
Earnings on Securities	14,388.63	
Bonds Matured	43,000.00	$ 76,514.55
Balance December 1, 1926		24,403.49
		$ 100,918.04
DISBURSEMENTS		
Securities Purchased	$ 78,000.00	
Accrued Interest and Premium	3,330.53	$ 81,330.53
Balance December 1, 1927		19,587.51
		$ 100,918.04

SINKING FUND "E"
(For Redemption of $100,000.00 Dock Bonds October 1, 1939)

RECEIPTS		
1927 Installment from General Fund	$ 2,750.00	
Interest Accretion—		
Earnings on Bank Cash	26.89	
Earnings on Securities	1,795.36	
Bonds Matured	8,000.00	$ 12.572.25
Balance December 1, 1926		3,354.52
		$ 15,926.77
DISBURSEMENTS		
Securities Purchased	$ 13,000 00	
Interest, Premium and Discount	220.71	$ 13,220.71
Balance December 1, 1927		2,706.06
		$ 15,926.77

SINKING FUND "F"
(For Redemption of $100,000.00 Dock Bonds May 1, 1945)

RECEIPTS		
1927 Installment from General Fund	$ 2,100.00	
Interest Accretion—		
Earnings on Bank Cash	17.04	
Earnings on Securities	1,262.73	
Bonds Matured	2,000.00	$ 5,379.77
Balance December 1, 1926		2,557.63
		$ 7,937.40
DISBURSEMENTS		
Securities Purchased	$ 5,500.00	
Accrued Interest and Premium	297.96	$ 5,797.96
Balance December 1, 1927		2,139.44
		$ 7,937.40

SINKING FUND NO. 1
(For Redemption of $60,000.00 St. Johns Bonds April 21, 1928)

RECEIPTS		
Interest Accretion—		
Earnings on Bank Cash	$ 590.26	
Earnings on Securities	1,597.33	
Bonds Matured	40,000.00	$ 42,187.59
Balance December 1, 1926		9,161.32
		$ 51,348.91
DISBURSEMENTS		
Securities Purchased	$ 25,000.00	$ 25,000.00
Balance December 1, 1927		26,348.91
		$ 51,348.91

SPECIAL FUND "A" (MAINTENANCE FUND)

RECEIPTS		
Interest Accretion—		
Earnings on Bank Cash	$ 240.03	
Earnings on Securities	6,824.33	
Bonds Matured	5,000.00	$ 12,064.36
Balance December 1, 1926		8,855.53
		$ 20,919.89
DISBURSEMENTS		
Securities Purchased	$ 7,000.00	
Accrued Interest and Premium	315.50	$ 7,315.50
Balance December 1, 1927		13,604.39
		$ 20,919.89

SPECIAL FUND "E" (INSURANCE FUND)

RECEIPTS		
Interest Accretion—		
Earnings on Bank Cash	$ 193.05	
Earnings on Securities	1,055.00	
Bonds Matured	15,000.00	$ 16,248.05
Balance December 1, 1926		7,405.12
		$ 23,653.26
DISBURSEMENTS		
Securities Purchased	$ 16,000.00	
Accrued Interest and Premium	1,232.00	$ 17,232.00
Balance December 1, 1927		6,421.26
		$ 23,653.26

SPECIAL FUND "F" (UNCALLED-FOR CHECKS)

RECEIPTS	
Balance December 1, 1926	$588.62
DISBURSEMENTS	
Checks Drawn	$ 10.00
Balance December 1, 1927	578.62
	$588.62

COMPARATIVE STATEMENT OF COST OF OPERATION OF MUNICIPAL STREET RAILWAY

EXPENSE	1927	1926
Maintenance—		
Way and Structure—cost plus 10 per cent.	$ 258.77	$ 289.23
Equipment cost	1,242.96	1,150.29
	1,501.73	$1,439.52
Transportation—		
Platform Men—Cost	3,360.27	3,322.37
Other Expenses—Cost	1,091.96	1,040.08
Power—2c per K. W. H.	2,628.91	2,605.16
	$7,081.14	$6,967.61
Administration—		
General Expense—Cost	1,165.27	1,253.62
Total Expense	$9,748.14	$9,660.75
REVENUE		
Passenger Fares	2,522.60	2,814.45
Net Cost	$7,225.54	$6,846.30



AERIAL VIEW OF BUSINESS DISTRICT OF PORTLAND

FREIGHT RECEIVED AT PORTLAND MUNICIPAL TERMINALS

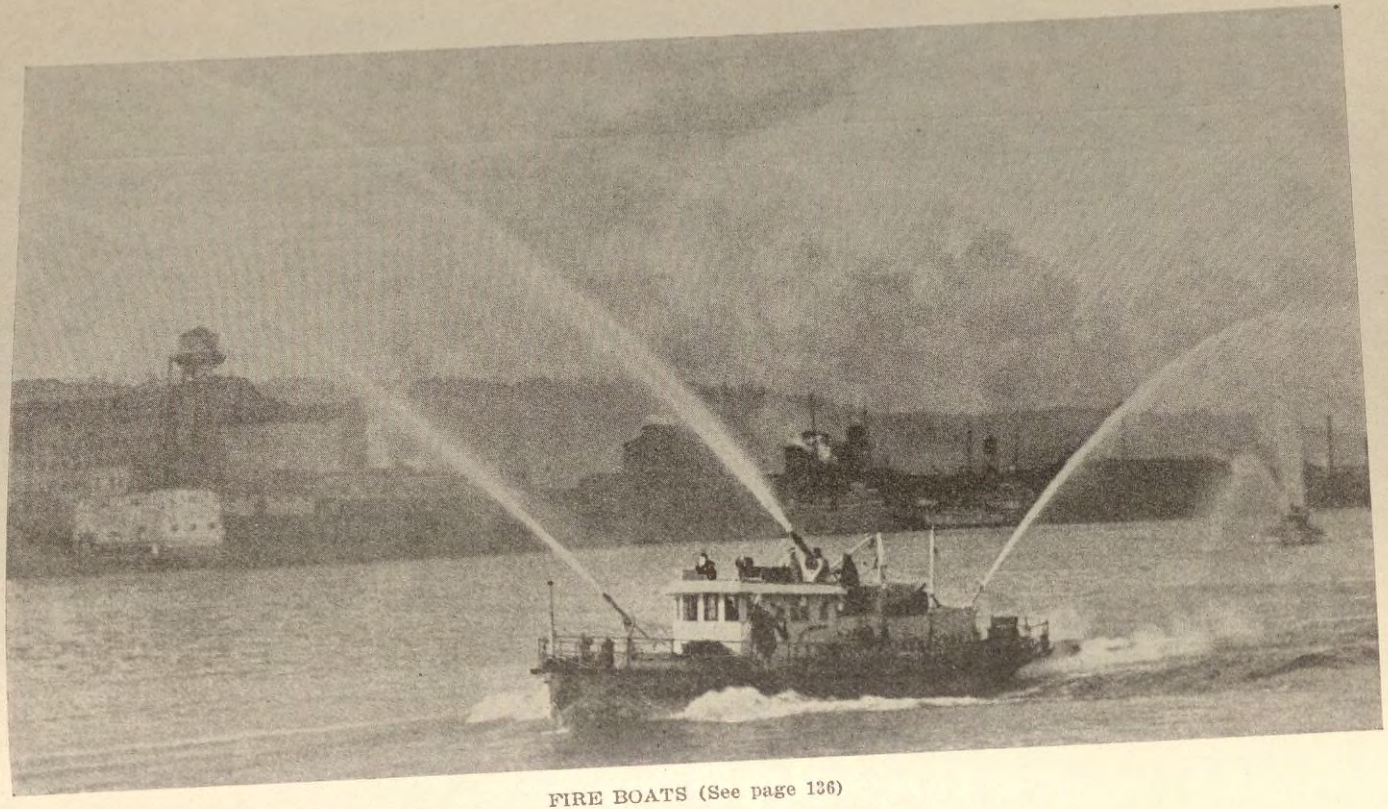
(In tons of 2000 lbs.)	All Terminals				Terminal No. 1 1927	Terminal No. 2 1927	Terminal No. 4 1927	Total 1927
	1923	1924	1925	1926				
Acetate of Lime			1,235	561				
Acid Phosphate			500	987				
Apples, Fresh	14,423	8,745	19,791	20,769	1,188		18,785	19,973
Autos and Parts	3,024	1,508	1,858	2,752	977		184	1,161
Barley			2,274			223	493	716
Blacksmith Coal and Coke	9,174	6,256	7,979	7,317	801		6,514	7,315
Building Material (including Hardware and Plumbing Supplies, 1927)	6,943	1,469	608	2,073	11,714	3,258	1,019	15,991
Books and Stationery	1,683	910	761	558				
Bunker Coal	1,306	13,708	3,986	12,795			10,869	10,869
Canned Goods	25,848	19,938	16,329	16,046	17,680	2,562	1,332	21,574
Cascara Bark			85	508	447		46	493
Cement, Lime and Plaster	17,395	3,704	8,759	789	847	116		963
Cereals				288	4		610	614
Cigars and Tobacco	602	37	5	50	5	125		130
Cocoanut				214	71	6		77
Coffee	674	888	552	695	266	315	24	605
Copper, Pigs		12,926	18,057	9,616	3		6,344	6,347
Copra	1,789	456		418				
Cotton	216	391	695	281	67		157	224
Doors	6,268	7,061	13,772	13,490	5,978		10,281	16,259
Drugs and Chemicals	5,930	2,960	3,204	3,589	3,092	39	5	3,136
Dry Goods and Merchandise	3,730	1,537	1,332	1,832	2,198	105		2,303
Earthenware and Glassware				2,141	2,526		48	2,574
Electrical Supplies					1,595	159	504	2,258
Feed, Hay and Grain	1,152	3,421	1,407	2,724	81	100	243	424
Fertilizers (including Sodium Nitrate)	80	1,441	1,463	1,075	597	72	658	1,327
Flour	62,650	74,624	51,664	50,912	19,779	294	38,027	58,100
Fresh Fruits and Vegetables (including Pears, 1923-25)	6,804		64	2,261		4,837		4,837
Fruit, Dried	9,867	12,657	11,909	97	807	91	149	1,047
Fuel Oil	124,320	190,937	212,694	216,895			204,999	204,999
Glass, Window	6,905	1,619	3,558	3,804	1,570	80	164	1,814

FREIGHT RECEIVED AT PORTLAND MUNICIPAL TERMINALS—Continued

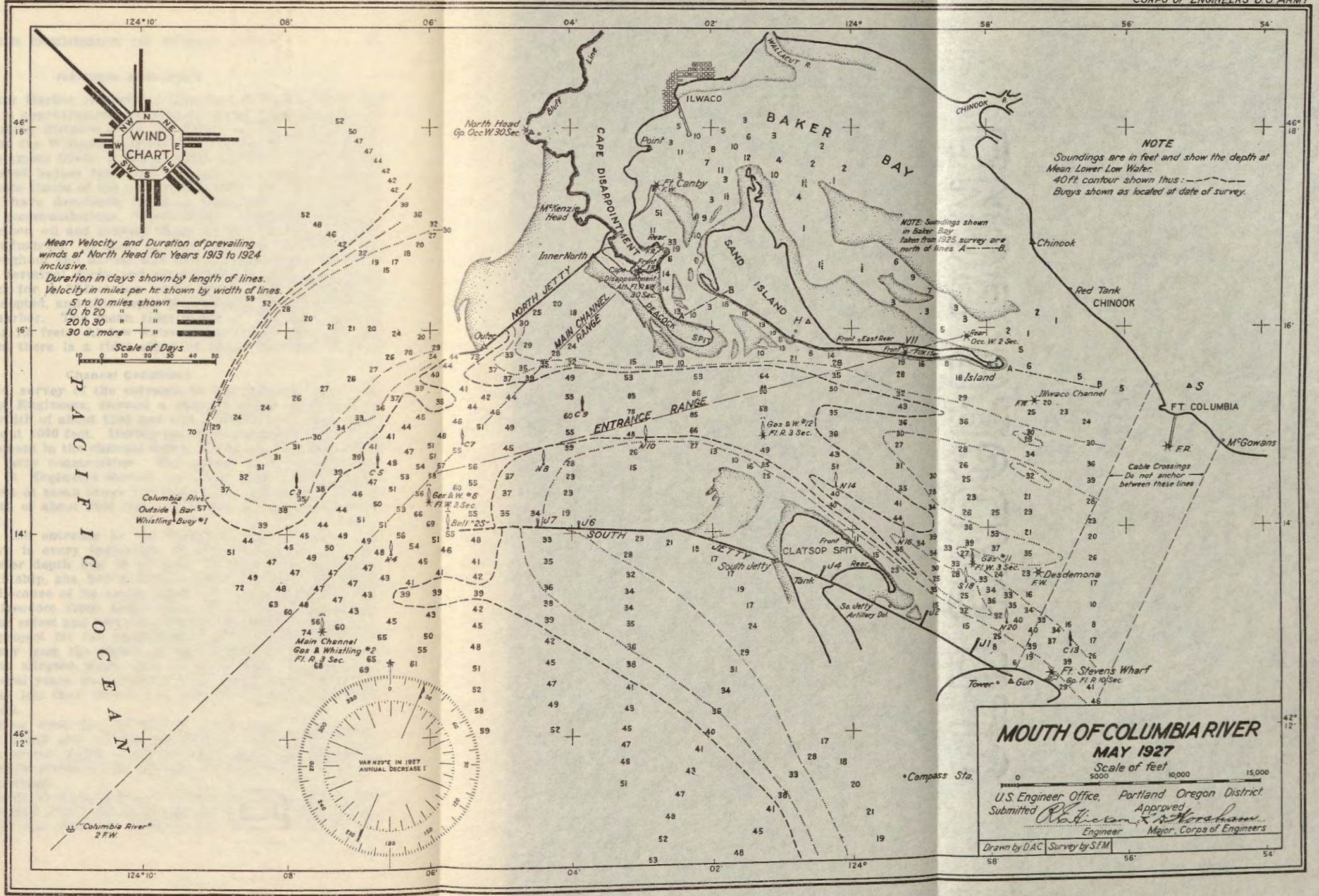
(In Tons of 2000 lbs.)	All Terminals				Terminal No. 1 1927	Terminal No. 2 1927	Terminal No. 4 1927	Total 1927
	1923	1924	1925	1926				
Groceries and Confectionery	13,870	4,434	4,624	4,916	7,115	1,512	62	8,689
Hardware (including Building Material, 1927)	18,153	8,785	7,678	10,527	.....	.....	.....	.....
Hemp and Cordage	7,475	21,989	12,100	4,915	6,507	484	10	7,001
Hides (included under Leather and Rubber Goods, 1923-25 inclusive)	.....	.....	.....	4,993	3,286	.....	1,155	4,441
Hops	615	121	506	716	279	.....	2	281
Household Goods and Furniture	4,148	987	473	1,313	949	181	89	1,219
Infusorial Earth	.....	.....	.....	464	.....	.....	.....	.....
Iron, Pig	6,536	4,883	2,247	4,376	451	.....	511	962
Iron and Steel	32,420	29,193	28,609	32,262	20,315	71	11,030	31,416
Kapok	.....	.....	.....	154	52	.....	.....	52
Lath	1,227	67	2,693	4,916	3,839	.....	1,915	5,754
Lead, Pig	4,216	3,581	1,960	524	302	.....	.....	302
Linseed	4,696	1,462	99	102	89	.....	.....	89
Leather and Rubber Goods (including Hides, 1923-25, inclusive)	5,912	7,208	4,822	488	.....	.....	.....	.....
Lumber	61,269	97,415	99,728	34,147	9,831	64	59,393	69,288
Machinery	10,498	3,076	2,090	4,208	2,966	291	250	3,507
Manganese Ore	.....	1,140	3,041	.....	.....	.....	.....	.....
Metals, Others	1,606	336	.....	.....	.....	.....	.....	.....
Miscellaneous	47,254	39,521	41,909	18,171	15,413	6,845	5,234	27,492
Molasses	3,394	4,374	40	.....	.....	.....	.....	.....
Oats	.....	1,048	262	65	.....	116	2	118
Oil and Grease (Lubricating, etc.)	4,289	3,158	2,869	3,056	2,942	16	39	2,997
Oil Cake and Meals	1,973	454	4,150	1,386	2,809	.....	.....	2,809
Oils, Vegetable	11,486	10,441	8,203	.....	.....	.....	.....	.....
Oils, Cocoanut (incl. in Vegetable Oils, 1923-25)	.....	.....	.....	11,989	.....	.....	10,282	10,282
Oils, Soya Bean (incl. in Vegetable Oils, 1923-25)	.....	.....	.....	607	.....	.....	601	601
Oils, Peanut (incl. in Vegetable Oils, 1923-25)	.....	.....	.....	1,877	.....	.....	.....	.....
Oils, Linseed (incl. in Vegetable Oils, 1923-25)	.....	.....	.....	710	100	.....	.....	100
Oyster Shell	.....	.....	2,169	456	433	30	.....	463
Paints and Oil	2,683	254	861	978	326	757	20	1,103
Paper	31,626	12,566	20,926	25,562	15,330	4,685	7,958	27,973

FREIGHT RECEIVED AT PORTLAND MUNICIPAL TERMINALS—Continued

(In Tons of 2000 lbs.)	All Terminals				Terminal No. 1 1927	Terminal No. 2 1927	Terminal No. 4 1927	Total 1927
	1923	1924	1925	1926				
Peanuts	1,319	1,610	4,267	2,188	1,377	3	105	1,485
Pears	.....	.....	.....	152	286	.....	242	528
Piling	1,046	629	1,879	3,830	.....	.....	14	14
Pipe and Plumbing Supplies (Plumbing Supplies incl. under Bldg. Matl., 1927)	20,639	17,230	14,043	14,959	8,258	722	67	9,047
Prunes	.....	.....	.....	15,206	17,724	.....	2,557	20,281
Rags and Waste	759	225	925	232	.....	.....	.....	.....
Rice	.....	.....	233	185	169	72	.....	241
Rugs and Matting	1,100	790	412	171	.....	.....	.....	.....
Sacks and Burlap	1,160	1,206	551	117	.....	.....	.....	.....
Salt	1,762	1,637	251	240	.....	.....	.....	.....
Seeds, Bulbs, etc	3,336	1,043	1,647	1,684	.....	.....	.....	.....
Shingles	1,120	364	785	952	.....	.....	22	22
Shooks and Staves	3,610	3,366	2,411	3,707	5,140	.....	3,342	8,482
Silver Sand (Silica)	.....	.....	1,804	2,090	706	.....	1,234	1,940
Sugar	6,547	1,891	1,018	8,775	939	1	12,654	13,594
Sulphur	12,918	13,525	17,502	22,691	.....	20	21,253	21,273
Tea	631	926	424	206	423	.....	.....	423
Tin Plate	17,271	12,680	17,742	14,075	14,946	.....	.....	14,946
Wheat, Sacked	124,572	134,205	63,374	144,214	196	281	281,430	281,907
Wheat, Bulk	56,062	46,142	24,758	63,146	.....	.....	91,897	91,897
Wire and Fencing (included under Iron and Steel, 1927)	4,021	2,846	4,801	6,615	.....	.....	.....	.....
Wool	9,054	9,033	7,317	7,765	9,646	4	403	10,053
Zinc, Ore Concentrates	.....	.....	19,513	26,065	.....	.....	16,476	16,476
Zinc, Pig	.....	.....	.....	.....	.....	.....	840	840
Totals	853,056	873,034	822,257	888,680	225,437	28,537	832,544	1,086,518



FIRE BOATS (See page 136)


WIND CHART
Mean Velocity and Duration of prevailing winds at North Head for Years 1913 to 1924 inclusive.
Duration in days shown by length of lines.
Velocity in miles per hr. shown by width of lines.
5 to 10 miles shown
10 to 20 " "
20 to 30 " "
30 or more "
Scale of Days
PACIFIC OCEAN
BAKER BAY
ILWACO
CAPE DISAPPOINTMENT
SAND ISLAND
PEACOCK SPIT
NORTH JETTY
MAIN CHANNEL RANGE
ENTRANCE RANGE
SOUTH JETTY
CLATSOP SPIT
North Head Gp. Occ. W. 30 Sec.
McKenzie Head
Inner North
Ft. Canby
Cape Disappointment Alt. Fl. R. & W. 30 Sec.
Chinook
Red Tank
CHINOOK
Island
Illwaco Channel
FT. COLUMBIA
McGowans
Cable Crossings Do not anchor between these lines
Desdemona
Ft. Stevens Wharf Gp. Fl. R. 10 Sec.
Tower
Gun
Compass Sta.
Columbia River Outside Bar Whistling Buoy #1
Main Channel Gas & Whistling #2 Fl. R. 3 Sec.
Gas & W. #6 Fl. W. 3 Sec.
Bell "2S"
Gas & W. #12 Fl. R. 3 Sec.
Gas #11 Fl. W. 3 Sec.
So. Jetty Artillery Dol.
Columbia River 2 F.W.
VAR N23°E IN 1927 ANNUAL DECREASE 1'
NOTE
Soundings are in feet and show the depth at Mean Lower Low Water.
40 ft. contour shown thus:
Buoys shown as located at date of survey.
NOTE: Soundings shown in Baker Bay taken from 1925 survey are north of lines A—B.
MOUTH OF COLUMBIA RIVER
MAY 1927
Scale of feet
0 5000 10,000 15,000
U.S. Engineer Office, Portland Oregon District.
Submitted
Approved
Engineer
Major, Corps of Engineers
Drawn by D.A.C.
Survey by S.F.M.

HARBOR AND PORT

The fresh water Harbor of Portland like that of Philadelphia, and of New Orleans, is approximately 96 nautical miles from the sea. It is the same steaming distance from the Orient as the Puget Sound ports. Situated on the Willamette River a few miles above its confluence with the Columbia River, it has a width of 900 to 1600 feet between its established harbor lines and a frontage of nearly 29 miles within the corporate limits of the City of Portland. Here private and public enterprise have developed facilities affording close to seven miles of berthing accommodations. These include municipal terminals, private grain, lumber, oil and general cargo wharves, and ship repairing plants and industries. A least channel depth of 30 feet at low water exists throughout the harbor and this depth is to be found at nearly all of the terminal docks and piers used for ocean-going commerce. A project for a 35-foot low water depth in the Willamette River has been adopted, and this depth is gradually being established throughout the harbor. The mean tidal range at the mouth of the Columbia River is 7.5 feet. At low water stages of the Columbia and Willamette Rivers there is a tidal effect of about two feet in Portland harbor.

Channel Conditions

The June, 1924, survey of the entrance to the Columbia River, by the United States Engineers, showed a channel depth of 45 feet at low water for a width of about 1200 feet and a 40-foot low water depth for a width of about 7000 feet. During the three years there has been a further improvement in the channel depth, due to the scouring effect produced by the jetty construction. The survey of May, 1927 (see Chart of 1927 U. S. Engineers Survey, on insert page), shows depth increased to 47 feet at mean lower low water for a width of 2700 feet, 46 feet for a width of about 3500 feet and 40 feet for an approximate width of 6800 feet.

The depth at the entrance to the Columbia River is now self-sustaining. There is every indication, in fact, that in a very few years the low water depth will be 50 feet. Every aid to navigation is supplied by lightship, gas, bell and other buoys and by permanently lighted ranges. Because of its ample depth and width, together with its comparative freedom from heavy fogs, the Columbia River entrance is one of the safest and best river harbor entrances in the world.

The Federal project for the improvement of the ship channel in the Columbia River from the mouth of the Willamette River to the Pacific Ocean was adopted more than 15 years ago. This project, completed for several years, has provided a low water depth of 30 feet for a width of not less than 300 feet in straight courses, and of 500 to 600 feet in bends.

Channel dredging since the completion of the project has maintained the project depth and widened the channel, particularly at the bends, to over the project width. Permanently constructed contraction dikes have practically stabilized the channel and reduced maintenance dredging to a minimum.

Since its inception as a world port, following the completion of the 30-foot channel project, Portlands shipping has increased enormously. With this increase has risen the demand for larger vessels in the

Portland trade routes. Then, too, there is a general tendency in shipping lines toward construction of larger cargo carriers of deeper draft. While the present channel is more than ample to accommodate vessels of the deepest draft now plying into this port, the City of Portland, in anticipation of the trend in modern ship construction, through its Chamber of Commerce and its Civic and Port bodies, inaugurated a movement to obtain Federal recognition of the necessity for a channel 35 feet in depth with minimum width of 500 feet from Portland to the sea.* It has been but two years since the start of this movement, but such progress has been made that the adoption and authorization of a 35-foot channel project is practically assured.

*NOTE—As this book goes to press, announcement has been made by the Secretary of War that the Chief of the Board of Army Engineers has recommended a project for the desired depth of 35 feet for the Columbia River. This recommendation includes widening channel to a minimum of 500 feet.

THE PORT OF PORTLAND COMMISSION

The people of Portland and the immediately contiguous territory have, since 1891, been engaged in improving for navigation the channel of the Columbia and Willamette rivers, between Portland and the sea, and the harbor at Portland. This has been done through the instrumentality of The Port of Portland Commission, which is a quasi-municipal corporation separate from both the city and county, but encompassing all of the City of Portland in its taxable district.

Channel and Harbor Improvement

The Port of Portland has, in conjunction with the Federal Government, provided and maintained the ship channel in the Willamette and Columbia Rivers. The excellent channel conditions now existing have resulted from the joint efforts of these two agencies. The Port of Portland alone has expended approximately $10,000,000 on channel improvements; the Federal Government a like amount. In addition, the government has expended $16,000,000 upon the river entrance.

The Port of Portland, operating a fleet of four 30-inch hydraulic pipe-line dredges and several clam-shell diggers, is gradually enlarging the channel and harbor area to keep accommodations ahead of demand.

Dry Dock Facilities

In addition to river and barbor improvement functions, The Port of Portland owns and operates two sectional floating drydocks at Portland. These docks are operated without profit for the service of shipping and are open to all vessels and repair contractors on equal terms. The description of the dry docks follows:

	Dry Dock No. 1	Dry Dock No. 2
Length	468 ft.	492 ft.
Width between wings	82 ft.	94 ft.
Depth of water over keel blocks	25 ft.	27 ft.
Lifting capacity (deadweight)	10,000 tons	15,000 tons
Number of pontoons	5	5

All necessary auxiliary equipment is available at the dry docks such as cranes, floats, scaffolds, compressed air, electricity, etc. The repair shops of the Port of Portland for maintenance of its own plant

are located at the dry dock plant and are available for the use of ship repair contractors.

There are several independent ship repair contractors operating at Portland and vessels are assured of competitive conditions in contracting for repair work.

Harbor Towage

To facilitate harbor shifts of vessels between loading berths, The Port of Portland maintains a harbor towage service. Powerful stern-wheel towboats are always available. This service is especially convenient for vessels when time in port is taken advantage of for boiler scaling and machinery repairs. The rates which are reasonable are governed by the published rules and Tariff of the Port of Portland.

Airport in the Harbor

The Port of Portland Airport is another facility provided by The Port of Portland Commission. It is located upon a 253-acre tract lying within the central harbor, the main landing field which is 1200 feet wide by 6700 feet long, being upon land which formerly was an island but which is now connected to the mainland by a filled causeway. Alongside the landing field is the Swan Island basin, an area of still water 700 feet wide and about 1½ miles long, which makes an ideal port for hydro-airplanes. The Airport is free from bordering obstructions and the operating surface, a firm grass sod, is safe and practicable for the use of planes under all weather conditions. Its location is conveniently close to the business center of the city. Not more than 12 minutes are required to reach the Airport by automobile from the main post office and railway terminals.

The operation and administration of The Port of Portland Airport will be under direct control of The Port of Portland Commission and all branches of aviation are assured of equitable treatment.

Traffic Department

The Port of Portland Commission, while primarily engaged in the improvement and maintenance of channel and harbor, and in the operation of the facilities and properties described above, maintains a separate department or bureau of Traffic. Matters of Port Publicity, Port Statistics, and all problems pertaining to Shipping and Routing Traffic through the Port, are handled by this department.

PRIVATE WATERFRONT FACILITIES

Although owning and operating the Municipal Terminals, The Commission of Public Docks has ever pursued the policy of offering every encouragement and inducement to the private development of waterfront facilities. Privately owned facilities, the most important of which are listed and described below, afford extensive accommodations to shipping and handle a large portion of the water borne commerce of the Port.

General Cargo Docks

Admiral Line Terminal (S. P. & S. R. R.): A two-level quay dock 1004 feet in length, located at the foot of Thurman street (West Side); shedded area, 304,200 square feet. Trackage accommodation for 150 cars. Equipped with cargo masts and a marine elevator. Operated

by the Pacific Steamship Co. as a terminal for both passenger and freight service.

Albers Docks No. 2 and No. 3: Two adjoining quay docks, of two-level construction, located at Front and Broadway streets (West Side). Both are owned and operated by Albers Bros. Milling Co. in connection with their flour and cereal mills, but are utilized to accommodate general cargo. Dock No. 2—178 feet long by 132 feet wide and Dock No. 3, 270 feet long by 200 feet wide, have a combined covered area of 74,200 square feet for the upper levels and 51,000 square feet for the lower. They provide a berthing space of 493 lineal feet and have trackage to accommodate 14 cars.

Ballast Dock (O. W. R. R. & N. Co.): An open wharf of one level located at the foot of Graham street (East Side); harbor frontage 105 feet, depth 136 feet; open area 14,100 square feet. It is equipped with a 35-ton stiff leg derrick and is utilized principally for transfer of unusually heavy lifts between vessels and cars. Trackage accommodates 4 cars.

Luckenbach Terminals (Montgomery Estate): Located at the foot of Randolph street (East Side). A quay dock of one level 570 feet long by 270 feet wide; shedded area 145,600 square feet. Trackage accommodation 33 cars. Operated by the Luckenbach Steamship Co., Inc., as the freight terminal for ther intercoastal service.

McCormick Terminal (O. W. R. R. & N. Co.): Two units, both quay docks, located between the Broadway and the Steel Bridges (West Side). The principal unit is of one level, 1071 feet long and varying from 98 to 161 feet in width. Shedded area, 86,000 square feet. Open area 52,000 square feet. Trackage accommodation for 80 cars. Equipped with three marine elevators. The second unit (formerly Albers Dock No. 1) is adjoining and to the north of the first unit. It is partly of two-level construction, 310 feet in length, varying from 107 to 242 feet in width. Shedded area, 46,000 square feet. Open area, 6000 square feet. Tracks to accommodate 4 cars. Operated by the McCormick Steamship Co.

Oceanic Terminals (Oregon Terminal Co.): The first of the proposed units of this new terminal was completed in 1927 and is now in operation. A pier with a harbor frontage of 538 feet and a slip frontage on either side of 545 feet provides a total berthing space of 1628 feet. Three dock sheds or warehouses with a total covered area of 182,900 square feet and a modern cold storage plant with a capacity for storage of 300,000 boxes of apples, complete this unit. Over 5000 feet of trackage insures adequate switching and car accommodation. The Oceanic Terminals Co. operate under lease from the Oregon Terminal Co. The location is on the West Side of the river near the Guilds Lake industrial district.

Oregon-Washington Dock (O. W. R. R. & N. Co.): A quay dock of one level 305 feet long by 138 feet wide, located at the foot of Fremont street (East Side). Shedded area 35,000 square feet. Open wharf 7000 square feet. Equipped with an escalator 85 feet in length for conveying cargo to and from river boats. Trackage accommodation for 12 cars.

Supple's Dock (Supple Investment Co.): A one-level pier 370 feet long by 120 feet wide with two loading slips, one 310 feet and the other 250 feet in length. Total berthing space 680 lineal feet. Shedded area 47,000 square feet. Tracks to accommodate 12 cars. Situated between East Belmont and East Yamhill streets. The McCormick Steamship Co. use this pier as their East Side Terminal.

GRAIN AND FLOUR DOCKS

Albina Dock (Kerr Gifford & Co., Inc.): A quay dock located at the foot of Russell street (East Side). It is 722 feet long, has shedded area of 67,000 square feet and trackage for 28 cars. Operated by Kerr Gifford & Co., Inc., in connection with their cereal mills.

Columbia Dock No. 1 (Lewis Investment Co.): Operated by Kerr Gifford & Co., Inc. A quay dock of two levels, 355 feet in length, with 95,600 square feet of shedded area. Tracks to accommodate 7 cars. Located at the foot of Northrup street (West Side).

Crown Mills Dock (Crown Mills): Located at Front and Pettygrove streets. Owned and operated by the Crown Mills in connection with their flour mills and elevator. A quay dock of two levels. 400 feet long with a total shedded area for the two levels of 90,000 square feet. Trackage accommodation for 8 cars. Berthing space of 400 lineal feet is augmented by overlapping privileges on both sides of wharf.

Globe Dock (Southern Pacific Co.): A quay dock, 2 levels, 311 feet long by 140 feet wide, located at the foot of Holladay avenue (East Side). Kerr Gifford & Co., Inc., operate this dock in connection with the Globe Grain Elevator. A covered area of 73,400 square feet furnishes space for storage of 8000 tons of sacked grain. Trackage for 24 cars. Berthing space on harbor front 500 feet.

Irving Dock (Balfour Guthrie & Co.): A quay dock operated in connection with their Bulk Grain Elevator. It affords storage for 8000 tons of sacked grain. Length of dock, 407 feet. Tracks to accommodate 12 cars. Located on the East Side at the foot of Hancock street.

Mersey Dock (Balfour Guthrie & Co.): Located on the West Side below the Crown Mills Dock and at foot of Overton street. A quay dock 325 feet in length with total shedded area, upper and lower levels, of 83,500 square feet. Capacity for sacked grain 8000 tons. The tracks will accommodate 8 cars. This dock is also utilized for general cargo.

Pacific Coast Elevator Dock (Pacific Coast Elevator Co.): Located at the foot of Russell street (East Side). A quay dock, one level, 657 feet in length by 110 feet in width, with shedded area of 67,000 square feet. Trackage accommodation 35 cars. Primarily classed as a grain dock, it is now used principally for general cargo.

Portland Flouring Mills Dock (Sperry Flour Co.): Located at the foot of Skidmore street (East Side). A two-level quay dock. 492 feet long with shedded area of 94,000 square feet. Trackage for 40 cars.

Northwestern Dock (O. W. R. R. & N. Co.): A one-level dock, quay type, 138 feet in width with harbor frontage of 642 feet. This is

supplemented by an open wharf 39 feet wide by 250 feet in length, making a total berthing space of 892 lineal feet. Shedded area 67,700 square feet. Open area 8800 square feet. Trackage for 24 cars. Storage space for 17,000 tons of sacked grain. This dock is operated in connection with the Northwestern Grain Elevator by the Northwestern Dock & Elevator Co. (Strauss & Co., Inc.). It is located at the foot of Overlook boulevard (East Side).

GRAIN ELEVATORS (Export)

Irving Dock Elevator (Balfour Guthrie & Co., owners and operators): Located at the foot of Hancock street (East Side). Bulk grain capacity 400,000 bushels. Equipped with two loading spouts for bulk grain delivery to vessels. Irving dock operated in connection with elevator, provides additional facilities for the unloading, handling and storage of sacked grain.

Globe Elevator (Kerr Gifford & Co., Inc., operators. Owned by the S. P. R. R. Co.): Located at the foot of Holladay avenue (East Side) and operated in connection with the Globe Dock. Bulk grain capacity 250,000 bushels. Two ship loading spouts for bulk grain delivery. The dock has 76,200 square feet of space for storage of sacked grain as well as facilities for handling and unloading.

Northwestern Dock Elevator (O. W. R. R. & N. Co., owners. Operated by the Northwest Dock & Elevator Co.): Located at the foot of Overlook boulevard (East Side). This elevator and the adjoining dock are utilized by Strauss & Co., Inc., to handle their grain exports. Bulk grain capacity 267,000 bushels. Ship loading spout with maximum capacity of 350 tons per hour. Dock sheds provide additional storage for approximately 20,000 tons of sacked grain.

LUMBER DOCKS

Beaver Linnton Mills Co. Dock: Located between Burlington and Pittsburg streets (East Side). A quay dock 150 feet wide and 674 feet long. Equipped with a traveling crane.

Clark & Wilson Lumber Co. Dock: Located at Linnton (West Side). A quay dock with harbor frontage of 1022 feet and varying in width from 100 to 240 feet. Equipped with locomotive crane.

Dollar-Portland Lumber Co. Dock: A quay dock 378 feet long by 138 feet wide located at the foot of Lincoln street (West Side).

Eastern & Western Lumber Co. Dock: Located at the foot of Twenty-first street (West Side). A quay dock 156 feet in width with harbor frontage of 611 feet, connecting with a pier 100 feet wide with 598-foot frontage on slip.

Inman-Poulsen Lumber Co. Dock: A quay dock 1174 feet in length with width varying from 100 to 200 feet. Located at the foot of East Caruthers street (East Side).

Peninsula Lumber Co. Dock: Located at the foot of McKenna avenue (East Side). A quay dock extending 1012 feet on the harbor front with a width of 125 feet.

S. P. Open Dock (Southern Pacific Co.): Located between East Glisan and Burnside streets. A quay dock 1230 feet long and 36 feet wide, double tracked full length. This dock is used exclusively for handling lumber direct transfer from cars to vessel.

West Oregon Lumber Co. Dock: Located at Linnton. A quay dock 900 feet in length and varying in width from 95 to 210 feet.

OIL DOCKS AND FACILITIES

Associated Oil Co.: Plant located at Linnton (West Side). A quay dock 400 feet in length by 32 feet in width with 250 feet runways extending on either side, is equipped for fuel oil bunkering or pumping from vessels. The tank capacities of the plant are:

Fuel Oil	7,173,684 gallons
Diesel Fuel Oil	931,896 gallons
Refined Oil	3,223,260 gallons
Lubricating Oil	103,950 gallons

General Petroleum Corporation: The plant and tanks for the storage of gasoline are located at Linnton. A quay dock 474 feet in length is operated in connection with this plant. The tanks and facilities for storage and handling of fuel oil are adjacent to Pier No. 5 of Municipal Terminal No. 4. This pier, piped to connect with the storage tanks, is utilized for delivery of bunker fuel and discharge of fuel oil from vessels. It provides 1500 lineal feet of berthing space. The tank capacities of the two plants are:

Fuel Oil	4,620,000 gallons
Refined Oil	2,251,200 gallons

Richfield Oil Co.: Plant located at Linnton. Tank storage for refined oils only. Capacity 2,310,000 gallons. Plant served by a quay dock 100 feet by 40 feet with an approach 156 feet by 20 feet.

Shell Company: The storage plant and dock are located near Willbridge (West Side). The quay dock 352 feet in length, is completely equipped to deliver or discharge fuel oil to or from vessels. Tank capacities:

Fuel Oil	4,620,000 gallons
Refined Oil	3,590,000 gallons

Standard Oil Company: Dock and storage plants located at Willbridge. The dock is of quay type 400 feet in length, and has full complement of equipment for fuel oil bunkering or discharge of oil from tankers. Tank storage capacities:

Fuel Oil	4,830,000 gallons
Refined Oil	4,964,000 gallons

Union Oil Company: Plant located at Willbridge, the dock being 500 feet down the river from the S. P. & S. railroad bridge. It is a quay dock with a harbor frontage of 400 feet and is equipped to pump fuel oil to and from vessels. The capacities of the storage tanks are:

Fuel Oil	3,805,600 gallons
Refined Oil	3,175,400 gallons

In addition to the fuel oil bunkering facilities maintained at the docks of the various oil companies, floating equipment is available

in the port whereby vessels may be bunkered while loading or discharging cargo at any of the other wharves about the harbor.

HARBOR PROTECTION

Police

The Harbor of Portland is policed by an efficient day and night patrol service. The patrol boat, the "F. W. Mulkey", is of recent construction. It is fitted with Diesel engines and is equipped with salvage pumps. This department is under the direct supervision of the Harbor Master.

Fire

Three powerful steel fire boats have just been completed and placed in service. They are stationed at strategic points about the harbor and are available for instant use. Each boat is 85 feet in length with 20-foot beam and draft of 5 feet 6 inches. They are driven by four Sterling Viking gasoline motors, have twin screw propellers, and develop a speed of 18 miles per hour. All machinery is directly controlled from pilot house, the steering gear is electrically operated and the clutches are air controlled. Each boat is equipped with four Byron-Jackson centrifugal pumps with a capacity of 10,000 gallons per minute at 200 pounds pressure.

GROWTH AND DEVELOPMENT OF SHIPPING

The accompanying graphic charts and tables of tonnage statistics best illustrate the growth of the water-borne commerce of the Port. Portland, by virtue of its geographic position, is the natural gateway to that vast tributary area of the Columbia River basin, so aptly named "The Inland Empire". This is an empire of natural resources. Its rapid development is attested each year by the increased volume of freight—the products of mine, forest and farm—which are exported through this gateway. Freight moves by water grade from all points of the Columbia Basin to the Port of Portland. In recognition of the obviously lower cost in operation of rail lines hauling freight by water grade, correspondingly lower rail rates have been obtained, and their justification repeatedly maintained by decisions of the Interstate Commerce Commission.

Wheat probably constitutes the greatest single item of export originating in the Columbia Basin. Wheat exported from the Port of Portland during the calendar year 1927 amounted to 37,792,700 bushels; exceeding the exports of 1926 by approximately 3,700,000 bushels. Shipments of flour, principally of local manufacture, amounted to 1,735,000 barrels, an increase of nearly 100,000 barrels over 1926.

Lumber, the other principal export commodity of the Port, is mostly produced at its local or nearby mills. Some of the finest of the world's standing timber is in territory contiguous to Portland. Foreign exports of lumber amounting to 325,328,000 feet board measure for 1927, a slight increase over 1926, and domestic exports of 246,303,000 feet board measure, a slight decrease, make a total for the Port of 571,631,000 feet board measure. The total exports for the Columbia River territory approximate 1,290,172,000 feet board measure.

Certain valleys in the Columbia Basin have become world famous

for the quality of their fruits. Apples raised in these districts are particularly in demand in Europe and almost the entire crops are exported to the United Kingdom and to Holland, Germany, Norway and Denmark. Due to the unusual weather conditions, the crops of several of these districts were practically a failure in 1927, the exports for 1926 totaling 1,341,500 boxes, or over 400,000 boxes in excess of the exports this year.

The Willamette Valley is equally famous for its prunes and smaller fruits. The canning and drying of these has become an industry of considerable magnitude. Markets of consumption, domestic and foreign, have been developed. Canned goods to the amount of 51,551 tons were exported in 1927 as against 49,535 tons in 1926. Dried fruits, mostly prunes, increased from 28,344 tons in the preceding year to 29,707 tons in 1927.

Various by-products of the lumber industry, such as lath, plywood, shingles, box shooks, staves, etc., swelled the exports of the Port. Manufacturers of doors in particular have built up a large foreign market for their product. Over 18,000 tons of doors, destined principally for the United Kingdom, were exported in 1927. The pulp and paper industry, as rapidly as it has expanded, can hardly keep pace with its market demands. Shipments, principally to foreign ports, grew from 127,000 tons in 1926 to 144,000 tons in 1927. Portland is also obtaining rank as the wool center of the Pacific Coast. The clip from the great herds of Eastern Oregon and Idaho moves to Portland for storage and for marketing. A considerable portion is utilized by the large local woolen mills, and the balance, over 12,000 tons in 1927, is shipped by water to the eastern manufacturers.

Portland's growth in population, in industry, and in building, has naturally resulted in an increased consumption of the necessary manufactured products and raw materials not locally produced. Imports in general have increased, therefore, in proportion with the exports of the Port. The single item of foreign import showing a particularly noticeable increase during 1927, was copra. Imports of this commodity increased 37 per cent over the preceding year, or from 24,674 tons to 33,000 tons. This copra is for the use of the local vegetable oil mills. The most noticeable increase in domestic items of import is shown by cement. An increase of 52 per cent, or from 52,000 tons to 80,000 tons reflects the increase in building activities during 1927.

Although certain commodities of export and import show a decrease, it is especially encouraging to note that the combined tonnage handled through the Port for 1927 exceeds that of any preceding year.

The expansion during 1927 of the fleets of many of the established steamship lines, the replacement of older vessels by modern and larger types, increased sailing schedules and the inauguration of new lines of service, further reflect the progress of the Port in maritime world trade. A list of the various lines, the service engaged in and the names of agents or operators, follows:

LIST OF STEAMSHIP LINES
Maintaining Regular Service To and From The Port of Portland, Oregon

Line	Service	Agents or Operators
Admiral Line	Coastwise (California)	Pacific Steamship Co.
American-Australia-Orient Line	Australian	Swayne & Hoyt, Inc.
American-Hawaiian S. S. Co.	Inter-Coastal (North Atlantic)	American-Hawaiian S. S. Co.
American Mail Line	Oriental	American Mail Line
Argonaut Line	Inter-Coastal (North Atlantic)	Norton, Lilly & Co.
Arrow Line	Inter-Coastal (North Atlantic)	Columbia Pacific Shipping Co.
Australian Dispatch Line	Australian	J. J. Moore & Co.
Ben Line	European (United Kingdom, Contineotal)	Columbia Pacific Shipping Co.
Blue Star Line	European (United Kingdom, Continental)	American Mail Line
Bruusgaard Line	European (United Kingdom, Continental)	Ernest E. Johnson Co.
California & Eastern S. S. Co.	Inter-Coastal (Atlantic Seaboard)	Ernest E. Johnson Co.
Calmar Steamship Corporation	Inter-Coastal (North Atlantic)	Swayne & Hoyt, Inc.
Canadian American Shipping Co.	European (United Kingdom, Continental)	Griffith Transport Co.
Campagnie Generale Transatlantique	European (Continental) West Indian	General S. S. Corporation
Donaldson Line	European (United Kingdom)	Balfour, Guthrie & Co.
East Asiatic Co., Ltd.	European (Continental, Scandinavian)	Lea, McBride & Piper
Ellerman & Bucknall S. S. Co.	European (United Kingdom)	Norton, Lilly & Co.
Furness Line	European (United Kingdom)	Burchard & Fisken, Inc.
Grace Line	South American (West Coast)	Columbia Pacific Shipping Co.
Gulf Pacific Line	Inter-Coastal (Gulf Ports)	Swayne & Hoyt, Inc.
Hamburg-American Line	European (Continental)	Columbia Pacific Shipping Co.
Harrison Direct Line	European (United Kingdom)	Balfour, Guthrie & Co.
Holland America Line	European (United Kingdom, Continental)	Oregon Pacific Co.
Isthmian S. S. Lines	Inter-Coastal (No. Atlantic), European (U. Kingdom)	Norton, Lilly & Co.
Johnson Line	European (Continental, Scandinavian)	Lidell & Clarke
Kerr S. S. Co., Inc.	Oriental (Japan, China, P. I., East Indies)	General S. S. Corporation
Kawasaki Line	Oriental (North China, Japan)	Yamashita Co., Inc.
Latin America Line	South American (West Coast), Central American (West Coast), Mexican	Chalmers Shipping Co.
Luckenbach S. S. Co.	Inter-Coastal (North Atlantic, Gulf Ports)	Luckenbach S. S. Co.
Matson Navigation Co.	Hawaiian	General S. S. Corporation
McCormick S. S. Co.	Coastwise (California)	McCormick S. S. Co.
Munson-McCormick Line	Inter-Coastal (North Atlantic)	McCormick S. S. Co.
Mitsui & Co.	Oriental (Japan, China)	Chalmers Shipping Co.

LIST OF STEAMSHIP LINES—Continued
Maintaining Regular Service To and From The Port of Portland, Oregon

Line	Service	Agents or Operators
Navigazione Libera Triestina S. A.	European (Mediterranean), African (E. & W. Coast)	General S. S. Corporation
Nelson S. S. Co.	Coastwise (California, So. Oregon), Inter-Coastal (N. & S. Atlantic)	Nelson S. S. Co.
North German Lloyd	European (Continental)	Chalmers Shipping Co.
Norway Pacific Line	European (Scandinavian, United Kingdom)	Griffith Transport Co.
Nippon Yusen Kaisha	Oriental (Japan, China)	Oregon Pacific Co.
Ocean Transport Co., Inc. (New York)	Inter-Coastal (North Atlantic)	Chalmers Shipping Co.
Ocean Transport Co., Ltd. (Kobe, Japan)	Oriental (Japan)	General S. S. Corporation
Oregon Oriental Line	Oriental (N. & S. China, Philippine Islands, Japan)	Columbia Pacific Shipping Co.
Pacific Havana Jacksonville Line	Inter-Coastal (South Atlantic, Cuba, Porto Rico)	McCormick S. S. Co.
Pacific Argentine Brazil Line	South American (West Coast, East Coast)	McCormick S. S. Co.
Portland Orient Line	Oriental (North China, Japan)	Ernest E. Johnson Co.
Quaker Line	Inter-Coastal (North Atlantic)	Columbia Pacific Shipping Co.
Redwood Line	Inter-Coastal (Gulf Ports)	McCormick S. S. Co.
Tatsuma Kisen Kabushi Kaisha	Oriental (Japan)	Walker Ross Shipping Co.
Trans-Atlantic S. S. Co., Ltd.	Australian	General S. S. Corporation
The Royal Mail Steam Packet Co.	European (Continental, United Kingdom)	Oregon Pacific Co.
Trans-Marine Corporation	Inter-Coastal (North Atlantic, Gulf Ports)	Oregon Pacific Co.
Westfal Larsen & Co.	South American (East Coast)	General S. S. Corporation
Winge & Co.	South American (West Coast)	Balfour, Guthrie & Co.
Yamashita Co., Inc.	Oriental (China, Japan)	Yamashita Co., Inc.

TOTAL IMPORTS AND EXPORTS OF THE PORT

	1926	1927	Decrease	Increase
Foreign imports, tons	124,647	142,015		14%
Domestic imports, tons	2,165,986	2,255,014		4%
Foreign exports, tons	1,673,052	1,800,930		8%
Domestic exports, tons	982,163	868,387	12%	

DOLLAR VALUE

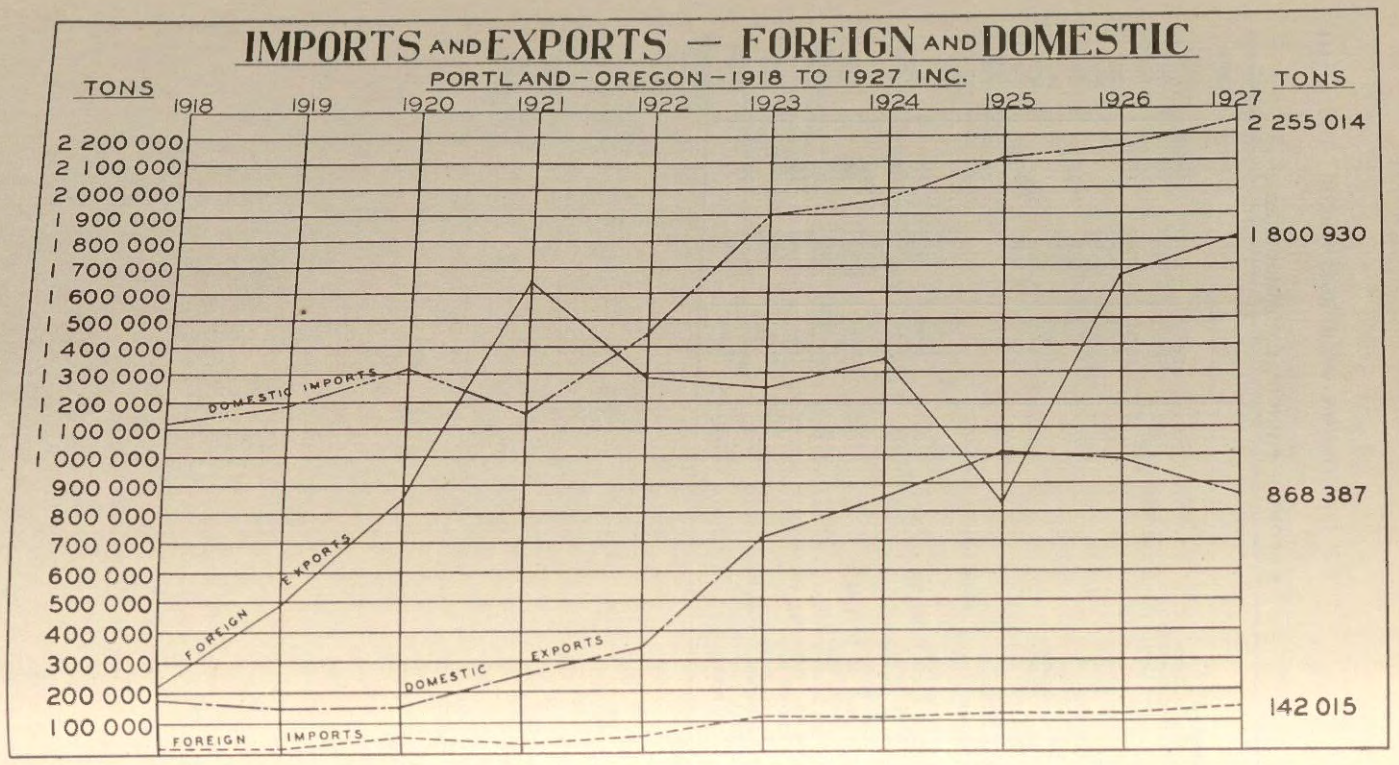
	1926	1927
Foreign Imports, value	$ 10,737,556	$ 15,721,985
Domestic imports, value	130,556,200	129,969,706
Foreign exports, value	67,861,762	68,161,507
Domestic exports, value	66,737,397	64,979,823

IMPORTS—PRINCIPAL COMMODITIES

	1926	1927	Decrease	Increase
Foreign—				
Cement, tons	11,086	5,826	47%	
Coal and Coke, tons	4,067	4,278		5%
Vegetable Oils, tons	12,112	9,966	17%	
Copra, tons	24,674	33,051		34%
Hemp, tons	7,560	6,734	11%	
Iron and Steel, tons	17,303	16,652	37%	
Peanuts, tons	1,689	1,598	5%	
Domestic—				
Canned Goods, tons	17,445	24,410		40%
Cement, tons	52,630	79,970		52%
Chemicals, tons	16,526	17,803		7%
Fuel Oil, tons	1,233,489	1,267,940		3%
Gasoline and Refined Oils, tons	431,097	458,225		6%
Iron and Steel, tons	76,409	53,768	29%	
Paper, tons	9,758	9,975		2%
Plumbing Supplies, tons	30,969	29,766	4%	
Roofing, tons	13,382	17,464		30%
Salt, tons	19,893	24,848		25%
Sugar, tons	47,613	60,230		26%
Sulphur, tons	30,106	19,075	36%	
Tinplate, tons	16,858	15,997	5%	

EXPORTS—PRINCIPAL COMMODITIES

	1926	1927	Decrease	Increase
Foreign—				
Apples, tons	33,538	22,915	32%	
Barley, bushels	125,375	23,359	81%	
Canned Goods (Fruit and Vegetables), tons	12,821	10,987	14%	
Doors, tons	12,130	12,683		5%
Flour, barrels	591,264	699,854		18%
Lumber, M. F. B. M.	316,379	325,328		3%
Paper, tons	7,663	6,058	21%	
Prunes, tons	17,198	19,407		13%
Wheat, bushels	32,119,091	36,053,336		12%
Zinc, Ore Concentrates, tons	24,093	15,088	37%	
Domestic—				
Canned Goods (Fruit and Vegetables), tons	36,712	40,564		10%
Cereals, tons	7,485	8,344		11%
Copper and Brass, tons	11,300	6,454	43%	
Doors, tons	4,821	5,354		11%
Flour, barrels	1,055,897	1,035,091	2%	
Lead, tons	10,924	10,876		
Lumber, M. F. B. M.	315,800	246,303	22%	
Millfeed, tons	17,018	10,564	38%	
Oats, bushels	205,899	156,547	24%	
Paper, tons	119,357	138,356		16%
Potatoes, tons	21,373	18,603	13%	
Prunes, tons	10,359	9,694	6%	
Shooks and Staves, tons	7,358	8,650		17%
Wheat, bushels	979,370	739,398	24%	
Wool, tons	10,495	12,695		21%



CARGO TONNAGE HANDLED, PORTLAND, OREGON, 1918 TO 1927, INCLUSIVE

	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
Foreign Exports	227,980	491,919	863,462	1,656,702	1,299,516	1,261,615	1,366,566	822,871	1,673,052	1,800,930
Foreign Imports	16,869	16,996	58,415	31,962	62,442	105,453	107,612	122,126	124,647	142,015
Domestic Exports	177,323	155,458	165,875	248,666	434,132	705,037	852,373	1,046,721	982,163	868,387
Domestic Imports	1,107,637	1,187,517	1,316,759	1,159,641	1,456,019	1,900,188	1,969,717	2,119,179	2,165,986	2,255,014
Total Cargo Tonnage	1,529,809	1,851,890	2,404,511	3,096,971	3,252,109	3,972,293	4,296,268	4,110,897	4,945,848	5,066,346

NUMBER AND NET TONNAGE OF VESSELS ENTERING AND CLEARING AT PORTLAND, OREGON, 1920 TO 1927, INCLUSIVE

	In Foreign Trade				In *Intercoastal Trade				In Pacific Coast Trade			
	Entered		Cleared		Entered		Cleared		Entered		Cleared	
	No.	Tons	No.	Tons	No.	Tons	No.	Tons	No.	Tons	No.	Tons
1920	68	239,234	192	603,533	.....	.....	.....	.....	599	1,124,098	511	805,998
1921	194	710,027	324	1,200,682	.....	.....	.....	.....	715	1,815,311	580	1,354,214
1922	234	883,304	341	1,236,512	.....	.....	.....	.....	926	2,268,332	836	1,939,011
1923	231	880,065	349	1,266,011	285	1,110,682	247	1,019,306	868	1,794,720	797	1,507,321
1924	271	1,005,246	396	1,461,139	252	1,013,643	239	981,336	926	1,992,318	818	1,569,267
1925	230	876,611	342	1,251,499	237	967,878	241	976,595	956	1,966,067	839	1,574,243
1926	346	1,313,477	511	1,863,799	261	1,000,843	248	985,923	1001	2,194,799	858	1,631,613
1927	395	1,467,354	565	2,003,177	266	1,011,557	223	910,783	1017	2,163,179	890	1,716,610

* Entries prior to 1923 included in Pacific Coast Trade.

(Compiled by Merchants Exchange, Portland, Oregon.)

ANNUAL REPORT

OF

THE CIVIL SERVICE BOARD

FOR THE FISCAL YEAR ENDING
NOVEMBER 30, 1927

CIVIL SERVICE BOARD

ANNUAL REPORT OF MUNICIPAL CIVIL SERVICE BOARD, FISCAL YEARS 1926-1927

Portland, Oregon, January 1, 1928.

TO THE HONORABLE MAYOR AND CITY COMMISSIONERS OF PORTLAND, OREGON.

Gentlemen: The work of the Civil Service Board for the fiscal year of 1927 was marked by the unusual number of applicants for examination due largely to the apparent inability of various lines of industry to absorb or steadily retain the employes used in recent years.

This report will show that the city, also reduced its number of regular employes, particularly in the Water Bureau and the Engineering Bureau of the Department of Public Works.

The Civil Service Board made one noteworthy departure from its usual practice in conducting examinations by its decision to apply the physical examination only to those accepting appointment under civil service.

The year witnessed practical completion of major undertakings necessitating temporary appointments for the duration of the various projects, including the water main program of the Water Bureau. The immediate effect was the elimination of the extra employe to the extent that the drop in personnel by November, 1927, was sharply defined.

As regards examinations the outstanding feature of the year, excepting the decision on the physical examination, was the cancellation of the promotion examination for Junior Captain, Bureau of Fire, held March 2, 1927. This was ordered by the Board because of the conflicting reports regarding the conduct of applicants taking the examination and for the further reason that the Board believed the examination too severe.

The following tabulation of examinations held in the fiscal year ending November 30, 1927, shows the dates and results of each:

EXAMINATIONS HELD FROM DECEMBER 1, 1926 TO DECEMBER 1, 1927

Position	Date	Applicants	Participants	Men Passed	Women Passed	Ex-Service Men who Passed	Registrations	Appointments
Plant Helper, Water Bureau	Jan. 18, 1927	102	87	38		14	11	2
Nuisance Inspector	Jan. 21, 1927	113	98	28		13	1	3
Tractor Driver	Jan. 25, 1927	28	21	10		3	4	1
Mechanical Draftsman	Jan. 28, 1927	8	4	1			4	1
Junior Captain—Fire Bureau (Promotion)	Feb. 23, 1927	164	162		Cancelled		97	
Electrical Instrumentmaker	Mar. 17, 1927	11	9	6		1	10	3
Electrical Instrumentmaker's Apprentice	Mar. 17, 1927	9	9	7		1		2
Plan Examiner	Mar. 22, 1927	11	9	4	10	2	6	1
Swimming Director (Female)	Mar. 22, 1927	13	13				8	2
Swimming Director (Male)	Mar. 23, 1927	7	7	3			5	1
Laborer	April 15, 1927	505	505	451		84	872	
Inspector of Public Works	April 22, 1927	37	31	24		9	34	10
Plan Clerk, Desk Clerk	April 26, 1927	13	9	4	1		4	
Market Master and Assistant Market Master	July 19, 1927	1	1	1		1	1	1
Playground Director (Female)	July 19, 1927	43	41		41		107	
Playground Director (Male)	July 19, 1927	26	24	23		3	33	
Auto Apprentice	July 22, 1927	12	10	7			12	1
Topographical Draftsman	July 26, 1927	22	18	11		6	31	
Auto Washer	Aug. 23, 1927	9	1	1			8	
Cement Finisher	Aug. 30, 1927	10	8	8			15	
Cement Worker	Aug. 30, 1927	13	10	10		3	33	2
Laborer, Street Cleaning Bureau	Sept. 20, 1927	73	60	57		20	267	
General Utilityman, Police Bureau	Sept. 23, 1927	22	18					
Stenographic Clerk	Sept. 27, 1927	31	20				51	
Lineman	Sept. 30, 1927	10	9				23	
Typewriter-copyist	Oct. 21, 1927	62	52				130	
Blacksmith	Oct. 28, 1927	18	16				25	

SPECIAL EXAMINERS

The charter provides that "no examiner shall receive any compensation for his services as such." Notwithstanding the gratuity of the work, the Board had the best support from those who were requested to aid in the technical examinations. The following have given of their time and energy:

H. A. Bahlman, Chief Clerk, Fire Bureau.
Albert Bauer, Topographical Draftsman.
S. J. Benedict, Assistant Engineer, Water Bureau.
Richard H. Byng, Pump (also plant) Engineer, Police Station.
Jack Cody, Swimming Instructor, Multnomah A. A. Club.
J. A. Cranna, Blacksmith, Municipal Shops.
James Dillane, Battalion Chief, Fire Bureau.
E. E. Feig, Architectural Designer.
Ralph P. Flowers, Auto Washer, Municipal Garage.
H. A. Goode, Chief Clerk, Department Public Utilities.
Wm. G. Helber, Superintendent of Garbage Disposal.
L. G. Holden, Chief Engineer, Fire Bureau.
Ray Hurlburt, General Foreman, Department of Public Works.
R. A. Imlay, Deputy City Attorney.
Harry Johnson, Battalion Chief, Fire Bureau.
J. J. Karstetter, Assistant Engineer, Water Bureau.
J. A. Leslie, Pump (also plant) Engineer, Water Bureau.
Ben S. Morrow, Chief Engineer, Water Bureau.
P. H. Mulholland, Pump (also plant) Engineer, Water Bureau.
W. D. Olden, Electrical Instrumentmaker, Municipal Shops.
W. J. Phillips, Master Mechanic, Municipal Shops.
Joseph Roberts, General Foreman, Nuisance Division.
Jasper V. Savage, Auto Mechanic, Municipal Shops.
Chas. A. Savariau, Superintendent Fire Alarm and Police Telegraph.
R. R. Shawcross, Assistant to the Commissioner, Public Works.
Mrs. Esther A. Short, Shorthand Instructor, Notrhwestern School of Commerce.
G. W. Yates, Property Custodian.

TEMPORARY APPOINTMENTS

The following tabulation shows the number of temporary appointments in each department each month of the fiscal year:

	Dept. Public Works	Dept. Public Utilities	Dept. Public Affairs	Dept. Public Safety	Finance	City Auditor	Total for Months
December	33	151	30	9	18	2	243
January	47	178	31	13	16	2	287
February	27	222	31	13	15	2	310
March	16	260	65	7	19	4	371
April	27	252	75	15	25	3	397
May	43	135	81	12	69	5	345
June	29	136	84	14	66	4	333
July	51	135	91	21	66	4	368
August	107	228	83	23	75	3	519
September	40	164	94	23	46	3	370
October	39	119	73	18	20	2	271
November	28	108	31	14	13	2	196

In any consideration of the foregoing table, account must be taken of the large number of temporary employes of the Water Bureau outside the City limits, incident to the work on the New Bear Creek dam, pipe line maintenance, temporary employes on various tasks in the Bull Run Reserve and at Bull Run Lake. The total number of such

employes was subject to constant change due to the fluctuating character of the work, fires in the Reserve and to weather conditions.

The number of such employes in the Water Bureau for the fiscal year follows:

December	1926 — 127
January	1927 — 130
February	1927 — 146
March	1927 — 174
April	1927 — 167
May	1927 — 113
June	1927 — 119
July	1927 — 114
August	1927 — 147
September	1927 — 90
October	1927 — 69
November	1927 — 58

Of the temporary appointees in the City Service inside the City limits most of them were from existing eligible lists. Only in emergency cases and where eligibles declined them temporary work, were appointments made outside the lists.

The November payrolls showed 2143 Civil Service employes and 198 employes not under charter or Civil Service provisions. These were distributed throughout the City employment as follows:

Department	Under Charter	Under Civil Service	Not Under Charter or Civil Service
Public Safety	23	438	14
Finance	5	266	13
Public Works	2	290	28
Public Utilities	81	371	108
Public Affairs	1	705	31
Auditor's Office	1	34	2
Dock Commission	301	37	2
Civil Service	1	2	0
Total	415	2,143	198
Grand Total			2,756

LITIGATION

Arthur L. Pullen vs. the City of Portland, C. A. Bigelow, John F. Logan, George C. Mason, Harvey Wells, W. E. Marion and Edward Grenfell.

Writ of review to test validity of discharge of plaintiff from Fire Bureau. Plaintiff appealed to Supreme Court from judgment in favor of the City. Defendants' brief has been filed.

SUMMARY

The following summary is a recapitulation of the year's work for 1927:

Total number of registrations for examinations held during the year	1,792
Total number of applications filed	1,373
Total number of examinations held	27
Total number of reappointments	63
Total number of appointments in classified service	218
Promotion examination appointments	4
Resignations	60
Discharged for cause	57
Hearings on appeal from order of discharge	8
Result of hearings:	
Restored to duty after suspension	3
Discharge sustained	5
Deceased	14
Pensioned	10
Leaves of absence granted by City Council	60
Positions abolished by City Council	7
Number of laid-off employes	141
In service November, 1926	2,761
All leaving service	141
All entering service	218
In service November, 1927	2,756

Respectfully submitted,

CIVIL SERVICE BOARD,
JOHN F. LOGAN, PRESIDENT.
HARVEY WELLS, COMMISSIONER.
O. C. BORTZMEYER, COMMISSIONER.

ANNUAL REPORT

OF

THE DEPARTMENT OF PUBLIC UTILITIES

FOR THE FISCAL YEAR ENDING
NOVEMBER 30, 1927

DEPARTMENT OF PUBLIC UTILITIES

JOHN M. MANN
COMMISSIONER

BUREAU OF WATER WORKS—
L. S. KAISER, Superintendent
BEN S. MORROW, Engineer

BUREAU OF HEALTH—
DR. JOHN G. ABELE, Health Officer

CITY LIGHTING—
H. A. GOODE, Assistant to Commissioner

BUREAU OF WEIGHTS AND MEASURES—
E. D. JONES, Sealer of Weights and Measures

BUREAU OF WATER WORKS

SUPERINTENDENT'S REPORT

ANNUAL REPORT FOR FISCAL YEAR ENDING NOVEMBER 30, 1927

Portland, Oregon, January 12, 1928.

HON. JOHN M. MANN, COMMISSIONER OF PUBLIC UTILITIES.

Dear Sir: Respectfully presented herewith for your consideration is the annual report of the Superintendent of the Bureau of Water Work for the fiscal year ending November 30, 1927:

HEADWORKS

No serious trouble was experienced in the operation of the Headworks during the past year. No water shortage existed at any time. Fortunately the rainfall in September was about three times that of the average rainfall in former years.

The interior of the screen house at the Headworks was given three coats of white paint and is now in very presentable shape. The power plant which lights the dwellings, barracks and screen house was in perfect working order during the year. Considerable work was done about the barracks and dwellings. A new stone wall was erected in front of the dwellings, which adds considerable to their appearance. A new woodshed was built, new walks laid out and rocked and other improvements made. The lawns have been weeded, watered and well cared for. A new flag pole 80 feet long, was erected near the screenhouse, which adds considerable to the surroundings.

The concrete dam at the Headworks is in perfect condition. No leakage appeared at the toe or on either side. The basin near the operating side is gradually filling up with silt and trash. This debris will be removed as soon as the water recedes sufficiently to allow workmen to remove this obstruction.

Thus far no contamination of the water has occurred from workmen employed by Heller Bros., and Bent Bros., doing work at Bear Creek Dam. This is accounted for because of the strict sanitary regulations which are enforced by City employes at the dam, camps and other places where men are employed.

The small reservoir supplying water to the buildings about the Headworks was thoroughly cleaned and needed repairs made. Before another year it will be necessary to construct a larger reservoir and increase the pipe line from two inches to three inches in diameter on account of the increased lawn area.

KAISER PARK AT THE HEADWORKS

Considerable work was done in this park by Mr. Thomas and his assistants at odd times. Ground was cleared, walks made, fountains built, many bushes planted, tables were built, lawns seeded and rolled,

in fact everything was done to change a pile of rocks and underbrush into a beautiful scenic park quite beyond words to express.

ROADWAYS AND BRIDGES

The main roadway from Bull Run town to Bear Creek was turned over to Bent Bros., contractors, who are keeping the ditches open and making such repairs as are needed during the construction of Bear Creek Dam. The two and one-half miles of plank roadway leading to the Headworks was kept in good condition during the past year by Water Works employes As the foundation timbers are rather light some replacements will have to be made during the coming season

The five steel bridges carrying the Bull Run conduits were carefully inspected and found in good condition. Some painting was done on all of them, especially that of the Sandy River Bridge carrying conduit No. 3. At this bridge fishermen and others were crossing over the boxing on the pipe-line. Barbed wire was placed at each end of the bridge to prevent this traffic. On one occasion a small boy slipped off the bridge and fell into the river but fortunately was saved from drowning by some fishermen nearby.

The second crossing bridge carrying conduits No. 1 and No. 2 should be redecked the coming summer.

DODGE PARK

This park is gaining in popularity with the public each year. Inspector of Pipe Lines Maupin reports that 35,000 people visited this park during the past season. At most any time there are plenty of furnaces, tables and benches to accommodate visitors. We all feel that the pleasure derived by the public, most of whom are residents of Portland, justifies the comparatively small expense incurred in maintaining this park.

SANDY RIVER BUILDINGS

All necessary painting of the buildings at Sandy River was done during the past season. A new foundation was placed under the barracks, the timbers having rotted away. The new timbers rest on concrete blocks.

CONDUITS NOS. 1, 2 AND 3

These conduits are patrolled twice each week to guard against leakage, cave-ins, etc. No leaks were found on conduit No. 3. Only one leak was found and repaired on conduit No. 2. Eighteen leaks were found and repaired on conduit No. 1. These were all caused by pitting of the pipe. Ninety-six boxes were replaced on conduits No. 1 and No. 2. All the air valves were inspected and necessary adjustments made.

DRAINAGE OF PIPE LINE AT BULL RUN HILL

A daily examination of conduits No. 1 and No. 2 is made at this point. Record is made of all seepage water running through the 12-inch drain. Also a record is made of the P. E. P. Co.'s lake and flume water levels. A monthly report being submitted to the water engineer each month.

No.	Vehicle	Size	Driver	Model	Factory Number	Motor Number	Cul.	Bore	H. P.	Date Purchased	Cost	License 1927	License 1928	Manufacturer	Sold	Date	Where Kept
35	Indiana Trnck	1½ Ton	Various	1919	61408			4⅛	27.2	5-13-19	$ 3,294.50	E-155	E-153	Indiana M. G. Co			Sandy River.
49	Reo Speedwagon	¾ Ton	Varions	1920	45051	39100	4	4⅛	27.2	6-17-20	1,832.50	E-156	E-154	Reo Motor Car Co			490 Larrabee.
50	Reo Speedwagon	¾ Ton	B. H. Westphal	1920	47107	A-41715	4	4⅛	27.2	7-24-20	1,811.00	E-157	E-155	Reo Motor Car Co			490 Larrabee.
51	Reo Speedwagon	¾ Ton	S. P. Arroyou	1920	47108	A-41695	4	4⅛	27.2	7-24-20	1,790.00	E-158	E-156	Reo Motor Car Co			490 Larrabee.
52	Reo Speedwagon	¾ Ton	Bert Mason	1920	47069	A-41790	4	4⅛	27.2	8-19-20	1,790.00	E-159	E-157	Reo Motor Car Co			490 Larrabee.
53	Reo Speedwagon	¾ Ton	L. W. Campbell	1920	46951	A-41562	4	4⅛	27.2	8-19-20	1,790.00	E-160	E-158	Reo Motor Car Co			490 Larrabee.
54	White Truck	1½ Ton	A. Birkmeyer	1920	74122	41520	4	3¾	22.5	8-16-20	3,931.31	E-162	E-159	White Motor Co			490 Larrabee.
60	Reo Speedwagon	¾ Ton	W. B. Lister	1921	60009	52567	4	3¾	22.5	5-18-21	1,814.50	E-161	E-160	Reo Motor Car Co			490 Larrabee.
61	Reo Speedwagon	¾ Ton	C. R. Holt	1921	60016	50589	4	3¾	22.5	5-18-21	1,814.50	E-163	E-161	Reo Motor Car Co			490 Larrabee.
62	Ford Light Delivery	Light Del.	Various	1921		5132393	4	3¾	22.5	8-11-21	771.37	E-80		Ford Motor Car Co	$ 50.00	2-15-27	490 Larrabee.
65	Oldsmobile Roadster	2 Pass.	J. A. Leslie	1922	A-23348	1133	4	3 11/16	21.7	4- 4-22	1,422.00	E-81		Oldsmobile Co	230.00	5-16-27	490 Larrabee.
69	Reo Speedwagon	1¼ Ton	L. C. Shinn	1922		69312	4	4⅛	27.2	10-20-22	1,670.60	E-164	E-162	Reo Motor Car Co			311 E. 60th St.
70	Reo Speedwagon	1¼ Ton	W. Ewan	1922		69364	4	4⅛	27.2	10-20-22	1,670.60	E-165	E-163	Reo Motor Car Co			490 Larrabee.
71	Oldsmobile Touring	5 Pass.	J. Hamilton	1922	1609	23801	4	3 11/16	21.7	11-28-22	1,347.13	E-82		Oldsmobile Co	240.00	5-16-27	490 Larrabee.
72	Oldsmobile Touring	5 Pass.	A. W. Anderson	1922	1617	23663	4	3 11/16	21.7	11-28-22	1,450.00	E-83		Oldsmobile Co	175.00	5-16-27	1230 Albina.
74	Mack Truck	5 Ton	G. W. Lowman	1923	734651	C-66920	4	5x5	40.	3-15-23	7,617.65	E-166	E-164	Mack Int. Truck Corp			1100 E. Washington.
75	Reo Speedwagon	1¼ Ton	R. R. Corbett	1923	82990	A-77239	4	4⅛	27.2	3-15-23	1,635.00	E-167	E-165	Reo Motor Car Co			490 Larrabee.
76	Reo Speedwagon	1¼ Ton	R. K. Nesvold	1923	82161	A-77135	4	4⅛	27.2	3-15-23	1,635.00	E-168	E-166	Reo Motor Car Co			490 Larrabee.
77	Reo Speedwagon	1¼ Ton	J. R. James	1923	84099	A-78131	4	4⅛	27.2	3-15-23	1,635.00	E-169	E-167	Reo Motor Car Co			695 E. Harrison.
79	Oldsmobile Touring	5 Pass.	L. S. Kaiser	1923	25249	C-11131	4	3 11/16	21.7	6-21-23	1,415.75	E-84	E-68	Oldsmobile Co			785 Wasco.
83	Ford Roadster	2 Pass.	Shop car	1923		7924168	4	3¾	22.5	8-13-23	524.96	E-85	E-69	Ford Motor Car Co			490 Larrabee.
85	Jewett Touring	5 Pass.	P. H. Mulholland	1923	56479	56844	6	3¼	27.5	8-25-23	1,433.90	E-86	E-70	Paige Jewett Co			1065 E. 15th N.
87	Ford Light Delivery	Light Del.	Various	1923		8056463	4	3¾	22.5	9-13-23	659.68	E-87	E-71	Ford Motor Car Co			Sandy River.
92	Reo Speedwagon	1¼ Ton	Various	1923	84048	A-87560	4	4⅛	27.2	9-25-23	1,839.40	E-170	E-168	Reo Motor Car Co			490 Larrabee.
93	Reo Speedwagon	1¼ Ton	A. R. Richardson	1923	93861	A-88775	4	4⅛	27.2	9-25-23	1,675.40	E-171	E-169	Reo Motor Car Co			490 Larrabee.
94	Reo Speedwagon	1¼ Ton	H. H. Epplett	1923	94052	A-89031	4	4⅛	27.2	9-25-23	1,675.40	E-172	E-170	Reo Motor Car Co			490 Larrabee.
97	Maxwell Touring	5 Pass.	A. Figgins	1924	438164	469958	4	3⅜	21.03	1-28-24	1,010.00	E-88	E-72	Maxwell Motor Car Co			448 E. 51st St. N.
99	Federal Truck	5 Ton	T. R. Lohkamp	1924	29846	1621	4	3¾	46.	3-13-24	5,638.00	E-173	E-171	Federal Motor Truck Co			490 Larrabee.
100	Reo Speedwagon	¾ Ton	F. R. Jacobsen	1924	1129	A-91883	4	3¾	22.5	3-14-24	1,637.50	E-89	E-73	Reo Motor Car Co			583 E. 10th N.
101	Reo Speedwagon	1¼ Ton	L. W. Crunp	1924	97864	A-92835	4	4⅛	27.2	3-20-24	1,637.50	E-174	E-172	Reo Motor Car Co			490 Larrabee.
102	Reo Speedwagon	1¼ Ton	L. V. Dancer	1924	102117	A-98410	4	4⅛	27.2	3-20-24	1,637.50	E-175	E-173	Reo Motor Car Co			490 Larrabee.
103	Reo Speedwagon	1¼ Ton	S. T. Miller	1924	102092	A-93109	4	4⅛	27.2	3-20-24	1,637.50	E-176	E-174	Reo Motor Car Co			490 Larrabee.
108	Overland Truck	Light Del.	C. S. Parker	1924	179732	124335	4	3½	27.	5-24-24	678.27	E-90		Willys Overland Co	150.00	2-15-27	490 Larrabee.
109	Overland Truck	Light Del.	J. A. Marshall	1924	181077	126870	4	3½	27.	5-24-24	678.27	E-91		Willys Overland Co	150.00	2-15-27	490 Larrabee.
110	Ford Truck	Chassis	Various	1924		9818778	4	3¾	22.5	7-10-24	811.30	E-177	E-175	Ford Motor Co			490 Larrabee.
111	Chevrolet Truck	Light Del.	D. S. Pickard	1924	6H-1987	1391015	4	3 11/16	21.7	10- 3-24	880.30	E-92		Chevrolet Motor Co	225.00	2-15-27	490 Larrabee.
112	Chevrolet Truck	Light Del.	A. A. Stover	1924	6H-1975	1389621	4	3 11/16	21.7	10- 3-24	880.30	E-93		Chevrolet Motor Co	200.00	2-15-27	490 Larrabee.
113	Chrysler Sedan	5 Pass.	B. S. Morrow	1925	33558	57996	4	3¾	22.5	2-13-25	2,065.00	E-60-423	45-321	Chrysler Motor Co			680 Hancock.
114	Chevrolet Roadster	2 Pass.	J. Mulholland	1925	6K-6078	1568779	4	3 11/16	21.7	3-31-25	652.00	E-94	E-74	Chevrolet Motor Car Co			490 Larrabee.
115	Chevrolet Roadster	2 Pass.	J. Martig	1925	6K-69	1568796	4	3 11/16	21.7	3-31-25	652.00	E-95	E-75	Chevrolet Motor Car Co			City Park.
116	G. M. C. Truck	1 Ton	L. E. Kaiser	1925	K-1624693	82325	4	3 9/16	21.2	4-13-25	2,023.55	E-178	E-176	General Motor Corp			490 Larrabee.
117	G. M. C. Truck	1 Ton	G. A. Kendrick	1925	K-1624681	82319	4	3 7/16	21.2	4-13-25	2,023.55	E-179	E-177	General Motor Corp			490 Larrabee.
118	Chevrolet Touring	5 Pass.	T. J. Maupin	1925	IK-15097	1676087	4	3 11/16	21.7	5-11-25	682.00	E-96	E-76	Chevrolet M. C. Co			Sandy River.
119	Graham Truck	1½ Ton	E. E. Lohkamp	1925	A-325620	A-396590	4	3⅞x4¼	24.03	7- 8-25	1,730.00	E-180	E-178	Dodge Bros			490 Larrabee.
120	Dodge Roadster	2 Pass.	J. J. Karstetter	1925	A-353452	A-425123	4	3⅞x4¼	24.03	7- 8-25	1,097.50	E-97	E-77	Dodge Bros			1096 Senate.
121	Dodge Touring	5 Pass.	F. B. Hale	1925	A-368276	A-440230	4	3⅞x4¾	24.03	7-11-25	1,141.25	E-98	E-78	Dodge Bros			520 E. 44th N.
122	Federal Truck	1½ Ton	E. Birkmeyer	1925	36945	J-49868	4	3¾	22.5	8-24-25	2,628.25	E-181	E-179	Federal M. Truck Corp			490 Larrabee.
123	Federal Truck	1½ Ton	E. R. Lohkamp	1925	35196	J-49241	4	3¾	22.5	8-24-25	2,628.25	E-182	E-180	Federal M. Truck Corp			490 Larrabee.
124	Federal Truck	1½ Ton	E. R. Allen	1925	35195	J-49168	4	3¾	22.5	8-24-25	2,628.25	E-183	E-181	Federal M. Truck Corp			490 Larrabee.
125	Auburn Sedan	5 Pass.	H. A. Goode	1926	2640524	5502	8	3⅛x4½	31.25	9-23-25	2,586.00	E-60-424		Auburn Auto Co			2618 E. 43d St.
126	Ford Roadster	2 Pass.	B. S. Littell	1926		12320033	4	3¾	22.5	12-10-25	463.35	E-99	E-79	Ford Motor Car Co			490 Larrabee.
127	Ford Truck	Dump Tr.	Various	1926		12890847	4	3¾	22.5	2-18-26	849.85	E-184	E-182	Ford Motor Car Co			490 Larrabee.
128	Ford Truck	1 Ton	Various	1926		12289699	4	3¾	22.5	2-18-26	849.85	E-185	E-183	Ford Motor Car Co			Sandy River.
129	Ford Truck	1 Ton	Various	1926		12289745	4	3¾	22.5	2-18-26	849.85	E-186	E-184	Ford Motor Car Co			Sandy River.
130	Ford Truck	1 Ton	Various	1926		12404417	4	3¾	22.5	2-18-26	849.85	E-187		Ford Motor Car Co	75.00	6- 1-27	Sandy River.
131	Ford Truck	1 Ton	Various	1926		12320368	4	3¾	22.5	2-18-26	849.85	E-188		Ford Motor Car Co	75.00	6- 1-27	Sandy River.
132	Ford Truck	1 Ton	Various	1926		12289814	4	3¾	22.5	2-18-26	849.85	E-189	E-185	Ford Motor Car Co			Sandy River.
133	Dodge Coupe	2 Pass.	E. J. Gray	1926	A-576450	A-648914	4	3⅞x4½	24.3	4- 8-26	1,013.50	E-100	E-80	Dodge Bros			920 E. Flanders.
134	Chrysler Coupe	2 Pass.	S. J. Benedict	1926	WY-1201-H	78553	4	3⅝x4½	38.5	5-10-26	1,166.90	E-101	E-81	Chrysler Motor Co			2636-47th St., S. E.
135	Oldsmobile Coupe	2 Pass.	C. G. Ehle	1926	D.C.P.618	D-36444	6	2¾x4¾	42.	5-14-26	1,130.00	E-102	E-82	Oldsmobile Co			Multnomah Station.
136	Cadillac Sedan	7 Pass.	J. M. Mann	1926		123845	6	3⅛	31.25	5-26-26	3,615.00	E-60-425		Covey Motor Car Co			1100 E. Flanders.
137	Ford Touring	4 Pass.	J. W. Peters	1927		14129861	4	3¾	22.5	10- 1-26	486.36	E-103	E-83	Ford Motor Car Co			850 E. 42d N.
138	Ford Touring	4 Pass.	Albert Bauer	1927		14221025	4	3¾	22.5	10- 1-26	486.36	E-104	E-84	Ford Motor Car Co			Bear Creek Dam.
139	Chevrolet Truck	1 Ton	J. Kreiger	1927	6LM1594	T-2949323	4	3 11/16x4	22.	2-15-27	920.00	E-14	E-186	Fields Motor Co			Bear Creek Dam.
140	Chevrolet Truck	1 Ton	H. H. Epplett	1927	6LM1585	T-2936674	4	3 11/16x4	22.	2-15-27	920.00	E-15	E-187	Fields Motor Co			490 Larrabee.
141	Chevrolet Truck	1 Ton	A. A. Stover	1927	6LM1588	T-2936655	4	3 11/16x4	22.	2-15-27	920.00	E-192	E-188	Fields Motor Co			490 Larrabee.
142	Chevrolet Truck	1 Ton	C. E. Dugan	1927	6LM1586	T-2936666	4	3 11/16x4	22.	2-15-27	920.00	E-193	E-189	Fields Motor Co			490 Larrabee.
143	Graham Truck	1 Ton	Various	1927	A-828605	C-896-162	4	3⅞x4½	44.43	2-15-27	1,360.00	E-194	E-190	Braley & Graham			Bear Creek Dam.
144	Federal Truck	1 Ton	C. S. Parker	1927	49254-FW	100054	4	3½	19.6	2-15-27	1,370.00	E-199	E-191	Roberts Motor Car Co			490 Larrabee.
145	Chrysler Sedan	5 Pass.	Ben Torpen	1927	YD-192-D	50612	4			3-31-27	1,455.00	E-202	E-85	Chrysler Motor Car Co			Bear Creek Dam.
146	Dodge Sedan, Standard	5 Pass.	J. Hamilton	1927	A-866906	D933988x15	4	3⅞x4½	44.43	5-16-27	1,090.00	E-203	E-86	Braley & Graham			1230 Albina.
147	Dodge Coupe	2 Pass.	J. A. Leslie	1927	P-50712	D912-562	4	3⅞x4½	44.43	5-16-27	1,030.00	E-204	E-87	Braley & Graham			311 E. 60th St.
148	Dodge Sedan, Standard	5 Pass.	L. S. Kaiser	1927	A-892352	D-967404	4	3⅞x4½	44.43	5-16-27	1,090.00	E-60-912	45-322	Braley & Graham			785 Wasco.
149	Ford Truck	1 Ton	Varions	1927		14788229	4	3¾x4	22.5	6- 1-27	908.10	E-206	E-192	May Motor Co			Sandy River.
150	Ford Truck	1 Ton	Various	1927		14888383	4	3¾x4	22.5	6- 1-27	908.10	E-207	E-193	May Motor Co			Sandy River.
	Motorcycle		J. G. Hansell	1924	50y006		2	2¾	5	10- 2-24	323.00	F-15	C-90	Hendee Mfg. Co			4126 E. 74th.
	Trailer		Various	1923						6-12-23	1,765.50	E-190	E-194	Parsons Trailers & Body Wks			490 Larrabee.

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Car No.	Make and Kind	Size	Miles 1927	Miles Total	Labor	Insurance	Equipment	Tires	Parts	Repairs	Miscellaneous	Lubricants	Gas	License	Total	Oil Gals.	Gas Gals.	Miles per Gal.	Cost per Mile
35	Indiana Truck	1½ Ton	7,032	34,392	$ 2.77	$ 33.00			$ 64.08		$ 4.39	$ 17.46	$ 229.17	$ 1.27	$ 349.37	36	1,406	5.00	$ .0496
49	Reo Speedwagon	¾ Ton	3,501	45,143	273.64	33.00	$ 24.28	$ 35.60	109.71	$ 4.73	11.91	7.17	85.55	1.27	313.22	13	546	6.41	.0894
50	Reo Speedwagon	¾ Ton	3,961	55,821	218.81	33.00		31.80	96.96	6.60	46.32	4.66	95.23	1.27	315.84	8½	606	6.54	.0797
51	Reo Speedwagon	¾ Ton	5,661	37,314	257.63	33.00	21.50	101.00	39.21	3.40	10.30	8.19	113.20	1.27	331.07	14¾	622	9.10	.0584
52	Reo Speedwagon	¾ Ton	5,573	40,547	186.20	33.00		93.65	46.46	3.65	39.82	8.94	95.99	1.27	322.78	16¾	612	9.11	.0579
53	Reo Speedwagon	¾ Ton	8,409	58,474	186.34	33.00		126.91	67.96	3.40	7.44	13.65	158.07	1.27	411.70	24¾	1,004	8.38	.0489
54	White Truck	1½ Ton	8,390	52,195	300.58	33.00	3.55	240.50	146.38	55.62	6.24	27.84	226.38	1.27	740.78	50¾	1,438	5.83	.0882
60	Reo Speedwagon	¾ Ton	6,164	28,558	215.16	33.00		96.15	92.93	14.40	6.89	7.99	118.03	1.27	370.66	14½	749	8.23	.0601
61	Reo Speedwagon	¾ Ton	7,435	32,105	152.48	33.00	21.94	121.21	31.19	6.65	6.80	11.33	128.54	1.27	361.93	18¾	814	9.13	.0486
62	Ford Light Delivery	Light Delivery		12,714	.73								.34	1.27	1.61		2		
65	Oldsmobile Roadster	2 Passenger	3,665	42,705	29.97		6.60		2.48		2.35	2.95	48.83	1.27	64.48	5¼	305	12.01	.0175
69	Reo Speedwagon	1¼ Ton	5,667	24,863	254.28	33.00		93.40	45.71	5.90	9.73	8.28	98.48	1.27	295.77	15	627	9.04	.0521
70	Reo Speedwagon	1¼ Ton	8,477	33,991	370.63	33.00		203.57	180.91	59.06	7.51	24.61	220.76	1.27	730.69	41	1,405	6.03	.0861
71	Oldsmobile Touring	5 Passenger	3,150	41,265	96.85		22.50	144.65	2.82	3.00	1.38	2.34	44.61	1.27	222.57	4¾	270	11.67	.0706
72	Oldsmobile Touring	5 Passenger	5,177	49,427	67.53		22.50		3.95	2.00	3.04	2.99	63.54	1.27	99.29	5½	312	16.59	.0191
74	Mack Truck	5 Ton	7,164	33,824	347.67	33.00			36.50	13.41	18.47	46.11	394.73	1.27	543.49	83⅝	2,487	2.88	.0758
75	Reo Speedwagon	1¼ Ton	6,674	42,015	188.38	33.00	6.65	121.83	133.60	3.41	5.28	8.08	135.91	1.27	449.02	14½	851	7.84	.0672
76	Reo Speedwagon	1¼ Ton	6,878	31,023	182.74	33.00	21.00	65.01	62.18	50.83	5.79	10.35	134.12	1.27	383.55	18¾	772	8.91	.0557
77	Reo Speedwagon	1¼ Ton	9,609	45,193	198.56	33.00		77.80	46.81	8.26	5.31	7.60	185.03	1.27	365.08	13¾	1,177	8.16	.0379
79	Oldsmobile Touring	5 Passenger	9,016	32,320	160.62	21.50	25.45	32.50	96.55	3.75	2.78	7.32	100.28	1.27	291.40	13¼	655	13.76	.0323
83	Ford Roadster	2 Passenger	1,834	18,503	40.55	21.50		24.27	6.61	5.28	1.27	5.27	47.95	1.27	113.42	9½	304	6.02	.0618
85	Jewett Touring	5 Passenger	8,193	41,727	208.13	21.50	22.52	69.69	157.99	23.65	5.20	14.14	117.92	1.27	433.88	25¾	765	10.71	.0529
87	Ford Light Delivery	Light Delivery	6,279	24,923		33.00		25.30	59.31		1.35	6.78	101.26	1.27	228.27	12¾	630	9.97	.0363
92	Reo Speedwagon	1¼ Ton	6,135	29,424	218.21	33.00		153.31	52.52	3.41	7.68	11.87	120.84	1.27	383.90	21½	773	7.94	.0625
93	Reo Speedwagon	1¼ Ton	8,351	33,669	205.05	33.00		276.83	24.08	12.49	8.72	10.63	143.74	1.27	510.76	19	909	9.21	.0611
94	Reo Speedwagon	1¼ Ton	5,989	22,097	221.78	33.00	20.00	121.74	28.87	4.08	6.20	5.83	127.99	1.27	348.98	10½	812	9.19	.0582
97	Maxwell Touring	5 Passenger	7,068	33,035	151.63	21.50	32.00	78.00	38.41	3.75	5.03	4.11	86.16	1.27	270.23	7½	546	12.95	.0382
99	Federal Truck	5 Ton	5,299	25,614	174.16	33.00		421.30	10.43	8.00	23.51	41.48	316.80	1.27	855.79	74½	1,977	2.68	.1615
100	Reo Speedwagon	¾ Ton	5,366	21,194	197.32	33.00	3.45	144.00	.50	15.27	6.13	11.01	111.48	1.27	326.11	20¼	698	7.69	.0607
101	Reo Speedwagon	1¼ Ton	7,144	20,130	275.46	33.00	22.50	10.90	88.46	7.49	6.57	5.57	124.15	1.27	299.91	10¼	790	9.04	.0419
102	Reo Speedwagon	1¼ Ton	6,732	24,475	236.12	33.00		77.80	14.93	19.58	5.80	14.77	122.54	1.27	289.69	25	780	8.63	.0430
103	Reo Speedwagon	1¼ Ton	6,562	20,503	186.28	33.00		121.55	9.78	3.41	5.63	7.87	142.44	1.27	324.95	14¼	903	7.27	.0495
108	Overland Truck	Light Delivery	1,121	20,271	28.97			17.90			2.34	2.22	15.27	1.27	39.00	4	95	11.80	.0347
109	Overland Truck	Light Delivery	738	15,251	52.16			17.15	.25		1.12	1.19	13.26	1.27	34.24	1¾	82	9.00	.0463
110	Ford	Chassis	6,092	12,408	273.01	33.00	15.65	57.91	71.33	4.50	3.35	12.70	60.65	1.27	261.36	23¾	378	16.12	.0429
111	Chevrolet Truck	Light Delivery	475	9,809	48.85			26.70	.15		2.33	1.19	11.12	1.27	42.76	2¼	70	6.79	.0900
112	Chevrolet Truck	Light Delivery	881	9,133	44.09				.15		2.53	1.98	13.91	1.27	19.84	3¾	87	10.13	.0225
113	Chrysler Sedan	5 Passenger	12,950	31,000	306.71	21.50	9.55	139.73	200.22	84.76	4.85	14.21	133.71	1.00	609.53	25¾	852	15.20	.0470
114	Chevrolet Roadster	2 Passenger	13,975	39,300	195.38	21.50	23.66	85.55	15.05	1.50	4.65	12.69	114.95	1.27	280.82	23	733	19.06	.0200
115	Chevrolet Roadster	2 Passenger	11,076	30,880	160.96	21.50	27.65	103.17	46.28	4.00	2.83	7.06	113.47	1.27	327.23	12¾	726	15.26	.0295
116	G. M. C. Truck	1 Ton	7,706	22,049	264.87	33.00	21.50	109.25	91.87	6.50	10.15	20.14	180.43	1.27	474.11	36½	1,143	6.71	.0615
117	G. M. C. Truck	1 Ton	6,990	17,935	177.92	33.00		198.90	15.96	26.93	5.66	13.16	164.99	1.27	459.87	24	1,035	6.75	.0657
118	Chevrolet Touring	5 Passenger	11,003	23,484	1.46	21.50		56.30	21.75	27.50	.98	6.14	87.72	1.27	223.16	12½	542	20.30	.0202
119	Graham Truck	1½ Ton	7,167	13,017	194.65	33.00		69.23	3.50	.75	10.63	12.00	119.22	1.27	249.60	18¾	764	9.38	.0348
120	Dodge Roadster	2 Passenger	15,332	30,958	197.47	21.50	7.60	217.66	103.84	3.90	5.91	9.26	166.46	1.27	537.40	15¾	1,050	14.60	.0350
121	Dodge Touring	5 Passenger	15,912	40,938	128.32	21.50	4.65	106.20	60.92	7.25	4.53	10.54	175.41	1.27	392.27	18¾	1,115	14.27	.0246
122	Federal Truck	1½ Ton	7,081	17,041	187.32	33.00		67.26		6.85	5.84	15.20	164.00	1.27	293.42	25¾	1,040	6.81	.0414
123	Federal Truck	1½ Ton	7,936	19,147	256.26	33.00	28.32	274.51	13.61	21.16	6.30	17.50	160.97	1.27	556.64	30	1,021	7.77	.0701
124	Federal Truck	1½ Ton	8,067	18,790	178.47	33.00	17.35	88.85	24.91		5.61	14.58	154.71	1.27	340.28	26¼	982	8.21	.0421
125	Auburn Sedan	5 Passenger	23,031	24,650	396.41	21.50	27.19	318.01	86.29	52.74	8.06	42.98	255.51	2.00	814.28	79	1,642	14.03	.0353
126	Ford Roadster	2 Passenger	7,583	15,531	174.21	21.50	9.10	41.41	8.59	7.74	7.30	10.91	92.20	1.27	200.02	18¾	586	12.94	.0263
127	Ford Truck	Dump Truck	5,518	8,882	277.51	33.00	7.40	17.15	1.95		7.51	25.75	136.48	1.27	230.51	47	861	6.41	.0417
128	Ford Truck	1 Ton	6,711	17,843	7.31	33.00	6.13	158.73	125.92		4.90	16.92	117.09	1.27	463.96	35¼	721	9.31	.0691
129	Ford Truck	1 Ton	7,313	17,952		33.00	6.13	113.52	72.50		5.49	20.46	136.24	1.27	388.61	43	832	8.79	.0531
130	Ford Truck	1 Ton	2,090	12,724			6.13	119.32	46.74		3.34	7.90	41.89	1.27	226.59	17	244	8.56	.1084
131	Ford Truck	1 Ton	2,939	15,213	.59		34.38	139.00	16.36		3.89	11.06	64.31	1.27	270.27	23¾	377½	7.79	.0919
132	Ford Truck	1 Ton	5,808	16,581		33.00	34.38	168.03	88.60		5.06	18.91	99.19	1.27	448.44	39¾	613	9.47	.0772
133	Dodge Coupe	2 Passenger	4,854	8,417	39.77	21.50	5.25	2.90	1.75	5.40	1.00	5.82	62.78	1.27	107.67	10½	399	12.17	.0221
134	Chrysler Coupe	2 Passenger	8,350	15,000	122.24	21.50	10.65	197.75	14.65	39.95	14.53	9.45	76.06	1.27	285.81	17	455	18.35	.0342
135	Oldsmobile Coupe	2 Passenger	5,591	9,266	64.46	21.50	5.65		.45	1.25	5.86	7.16	67.92	1.27	111.06	10½	433	12.91	.0198
136	Cadillac Sedan	7 Passenger	12,139	18,068	458.72	21.50	54.75	76.30	18.15	30.94	19.68	35.25	183.45	2.00	442.32	42½	1,185	10.24	.0364
137	Ford Touring	4 Passenger	6,325	7,715	82.24	21.50	5.75	14.00	5.42	4.75	3.89	6.15	87.91	1.27	150.64	29	558	11.33	.0238
138	Ford Touring	4 Passenger	9,925	10,925	211.89	21.50	16.65	69.24	38.35	1.55	3.84	8.61	78.67	1.27	239.68	15¼	486	20.42	.0241
139	Chevrolet Truck	1 Ton	5,659	5,659	147.81	33.00	6.13	33.98			2.02	7.52	70.72	1.27	154.64	13½	454	12.46	.0273
140	Chevrolet Truck	1 Ton	6,693	6,693	176.65	33.00		33.98	1.50	1.25	1.83	6.06	83.95	1.27	162.84	10	535	12.51	.0243
141	Chevrolet Truck	1 Ton	5,385	5,385	114.78	33.00		33.98			1.84	4.28	68.51	1.27	142.88	7¾	446	12.07	.0265
142	Chevrolet Truck	1 Ton	5,961	5,961	130.73	33.00		33.98			1.77	5.68	82.72	1.27	158.42	9¾	520	11.46	.0265
143	Graham Truck	1 Ton	12,121	12,121	47.55	33.00		308.77	2.44		.75	3.11	299.46	1.27	648.80	5¾	1,052	11.52	.0535
144	Federal Truck	1 Ton	4,614	4,614	115.43	33.00		42.30			4.24	6.41	55.36	1.27	142.08	11	357	12.92	.0307
145	Chrysler Sedan	5 Passenger	5,612	5,612	91.94	21.50	72.03	41.50		63.28	4.73	22.60	126.02	1.00	352.66	37	831	6.75	.0766
146	Dodge Sedan, Std	5 Passenger	6,310	6,310	91.71	21.50	49.07	22.15	4.00	5.00	.85	7.93	72.62	1.00	184.12	14¼	480	13.15	.0291
147	Dodge Coupe	2 Passenger	5,517	5,517	26.70	21.50	48.65	22.15	3.20		3.58	7.00	60.62	1.00	167.70	12¼	389	14.18	.0303
148	Dodge Sedan, Std	5 Passenger	5,400	5,400	71.99	21.50	84.30	22.15	2.80		3.66	3.43	67.64	1.00	206.48	8	433	12.47	.0382
149	Ford Truck	1 Ton	3,821	3,821	4.49	33.00		37.40	34.28		1.06	2.20	41.74	1.00	150.68	4¼	272	14.05	.0394
150	Ford Truck	1 Ton	4,021	4,021	1.78	33.00		36.80	36.84		1.04	2.30	40.58	1.00	151.56	4½	267	15.06	.0376
	Motorcycle		10,080	31,081		19.00		29.35	20.43		1.76	9.10	35.16	1.00	115.80	14½	224	45.00	.0114
	Trailer					7.00								1.27	8.27				

BULL RUN TELEPHONE LINE

During the past year 160 old telephone poles were replaced by new cedar poles. This line is kept in as good condition as possible and the service most of the time is fairly good.

CAMP BUTTE RESERVOIR SITE

This property is used temporarily by Henry Anderegg, a Swiss dairyman, under an arrangement allowing this Bureau to appropriate about three acres of his land for road purposes. On account of the building of the Bear Creek Dam and other construction work very little will he done this season toward the building of the first reservoir unit.

EAST SIDE RESERVOIRS

Aside from caring for the lawns and occasional cleaning of these reservoirs no special work was done toward repairing them.

The old wooden walk and steps from Sixtieth Street entrance to No. 6 reservoir should be replaced by concrete steps and concrete walks.

The grounds about the four East Side reservoirs have been kept in a very presentable condition, as well as the grounds about the warehouse at Sixty-second and Division. Credit should be given to Foreman Fague for his untiring work and interest in these matters.

WEST SIDE RESERVOIRS

Since the completion of the tunnel work back of reservoirs Nos. 3 and 4 considerable work was done in resurfacing roads, planting of shrubbery and roses, most of which were kindly given this Bureau by Superintendent Keyser of the Bureau of Parks.

VERNON STANDPIPE

The grounds about this standpipe have been cleared of all pipe and debris and levelled off. Grass seed was planted and other improvements made. It is planned to make this place more attractive in the near future.

As recommended in my last year's annual report I believe this standpipe should be enclosed in brick in the shape of a tower as originally planned and Boston ivy should be planted around it to beautify it.

NEW WAREHOUSE AT 490 LARRABEE STREET

This building erected to house our construction and maintenance divisions and for the storage of material, trucks and automobiles has proven that the building was well planned, substantially built and that the selection of the site for this building was well made.

MOTOR VEHICLES

The insert tables show the maintenance cost, mileage, etc., of each automobile and truck owned hy the Bureau of Water Works.

IN CONCLUSION

You will observe from a perusal of Cost Accountant Lambert's report that the outstanding water bonds amount to $17,485,000. All these bonds bear 4 per cent interest except the issue of May 1, 1915 (Linnton issue @ 5½ per cent) and the issue of July 1, 1923, bearing 4½ per cent per annum.

When the water rates were increased 20 per cent December 1, 1925, it was hoped that this raise would produce more revenue than it has actually done. The deficiency in a measure can be accounted for by taking into account the fact that there was a water shortage in the summer of 1926, at which time it became necessary for this Bureau to curtail the use of water to a very great extent. Residents of Portland were always accustomed to use and waste all the water they liked while on a flat rate basis. Just as soon as a meter was installed they became frightened and ceased using water for sprinkling purposes. After being on a meter basis for a while they gradually found out the meter rates were such that they could continue to use water for all purposes within reason or moderation and not pay any more than they paid on a flat rate basis. During the year 1927 there was no water shortage, in fact there was a greater rainfall than was needed which reduced our water receipts for sprinkling purposes, the City being practically 100 per cent metered.

Present indications point to heavy snow falls in the mountains, a full lake and the completion of the first unit of the Bear Creek storage dam to an elevation of 970 feet by May 1, 1928, as provided in the contract between the City of Portland and Bent Bros. of Los Angeles. It, therefore, seems likely that with sufficient water and a better understanding of meters and meter rates by water users and a prospect of some additional revenne from new outside water districts there should be a larger proportionate increase in water rates during the year 1928 over the years 1926 and 1927.

On Monday, November 7, 1927, at 6 P. M., Edward J. Gray, our General Foreman, died. In the passing on of Mr. Gray the Bureau of Water Works lost a reliable and valuable employe and his fellow workers lost a true friend. John Hamilton, Mr. Gray's first assistant, was appointed to the position left vacant by the death of Mr. Gray. Mr. Hamilton is a man well qualified for the position, having had many years water works experience, besides being a master mechanic in structural iron work, steam fitting and plumbing work.

In closing permit me to thank you as Commissioner of Public Utilities, having charge of the activities of the Bureau of Water Works, for your interest, co-operation and fair decisions in the matters pertaining to the operation and management of the water system and to your able assistant, Mr. H. A. Goode, all of which add to efficiency and harmony among the employes of this Bureau.

Respectfully yours,

L. S. KAISER,
SUPERINTENDENT.

ANNUAL REPORT OF COST ACCOUNTANT FOR FISCAL YEAR ENDING NOVEMBER 30, 1927

Portland, Oregon, January 9, 1928.

MR. L. S. KAISER, SUPERINTENDENT, BUREAU OF WATER WORKS:

Dear Sir: For your information, and as a part of the annual report to the Commissioner of Public Utilities, I am submitting herewith statement showing the cash receipts and disbursements of the Bureau of Water Works for the fiscal year ending November 30, 1927. Also, there is attached a detailed statement of the bonded indebtedness of the Bureau of Water Works at the end of the fiscal year.

In accordance with the Charter provisions and the itemized schedules prepared covering the setting aside of sufficient funds each year to retire the bonds issued by this department there was transferred from the Water Fund to the Water Bond Sinking Fund the sum of $260,838.13. Following this transfer a special ordinance was passed setting aside an additional amount of $20,000 for sinking fund purposes, making a total sum of $280,838.13 placed in the Water Bond Sinking Fund during the fiscal year of 1927.

The miscellaneous expenses, as shown in this report, are made up largely of disbursements incurred for work done in the Reserve, Reserve Roads and Bear Creek Dam construction which has not yet been charged to the Plant and Property Accounts, also preliminary work done at Camp Butte.

The operating revenue, consisting of water sales receipts for 1927, shows an increase of $41,245.16 over 1926. During the same period the operating expenses increased $70,430.78, making a net operating expense of $29,185.62 over 1926.

At the close of 1926 there was credited to the unreserved surplus account the sum of $84,643.72 while the business for 1927 shows a charge against surplus account of $66,488.86, making a total difference of $151,132.58 between the years of 1926 and 1927.

Respectfully submitted,

A. E. LAMBERT,
COST ACCOUNTANT.

STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS FOR FISCAL YEAR ENDING NOVEMBER 30, 1927

	Receipts	Disbursements
Balance on hand Dec. 1, 1926	$ 853,537.45	
Received from sale of water	1,399,357.18	
Interest on current fund deposits	18,140.73	
Interest on Sinking Funds	110,397.23	
Accrued interest on bonds sold	3,855.61	
Sinking Fund investments redeemed	169,575.55	
Sale of water bonds	1,975,060.00	
Sale of property	35,812.30	
Interest on property sale contracts	1,805.79	
Miscellaneous receipts	98,971.60	
	$4,666,513.44	
Operating expenses		$ 554,698.53
Interest on water bonds		649,347.50
Bonds redeemed		3,000.00
Construction expenses		1,521,801.21
Sinking Fund investments		508,896.78
Miscellaneous expenses		148,090.40
Balance on hand November 30, 1927		1,280,679.02
		$4,666,513.44

FUNDS

Current Fund cash	$ 497,216.98
Construction Fund cash	686,328.55
Bond Sinking Fund cash	97,133.49
	$1,280,679.02

GENERAL BONDS OUTSTANDING NOVEMBER 30, 1927

Date of Issue	Due	Rate	Amount of Issue	Amount Outstanding
Jan. 2, 1911	Jan. 2, 1936	4	$ 500,000	$ 500,000
March 1, 1911	March 1, 1936	4	500,000	500,000
Oct. 1, 1911	Oct. 1, 1936	4	500,000	500,000
March 1, 1912	March 1, 1937	4	500,000	500,000
Nov. 1, 1912	Nov. 1, 1937	4	250,000	250,000
June 1, 1913	June 1, 1938	4	242,000	242,000
Aug. 1, 1913	Aug. 1, 1938	4	75,000	75,000
Sept. 1, 1913	Sept. 1, 1938	4	250,000	250,000
Nov. 1, 1913	Nov. 1, 1938	4	22,000	22,000
Dec. 1, 1913	Dec. 1, 1938	4	285,000	285,000
Feb. 2, 1914	Feb. 2, 1939	4	175,000	175,000
Dec. 1, 1914	Dec. 1, 1939	4	135,000	135,000
March 1, 1915	March 1, 1940	4	460,000	460,000
May 1, 1915	Serial	5½	50,000	31,000
April 1, 1916	April 1, 1941	4	125,000	125,000
April 1, 1917	April 1, 1942	4	75,000	75,000
Feb. 1, 1919	Feb. 1, 1944	4	100,000	100,000
July 1, 1921	July 1, 1946	4	500,000	500,000
Dec. 1, 1921	Dec. 1, 1946	4	200,000	200,000
March 1, 1922	March 1, 1947	4	300,000	300,000
March 1, 1923	Serial	4	500,000	500,000
July 1, 1923	Serial	4½	2,200,000	2,200,000
Oct. 1, 1923	Serial	4	500,000	500,000
April 1, 1924	Serial	4	1,000,000	1,000,000
May 1, 1924	Serial	4	60,000	60,000
Sept. 1, 1924	Serial	4	1,000,000	1,000,000
Nov. 1, 1924	Serial	4	1,500,000	1,500,000
May 1, 1925	Serial	4	1,000,000	1,000,000
Oct. 1, 1925	Serial	4	500,000	500,000
Mch. 1, 1926	Serial	4	2,000,000	2,000,000
April 1, 1927	Serial	4	1,000 000	1,000 000
Oct. 1, 1927	Serial	4	1,000,000	1,000,000
Total				$ 17,485,000

PURPOSE OF ISSUES

Issues of 1911 and 1912, $2,250,000, constructing additional pipe line and purchase of property.

May 1, 1915, $50,000, constructing Linnton Water System.

July 1, 1921, $500,000 constructing New Vernon Standpipe and Headworks.

December 1, 1921, $200,000, constructing water mains and purchase of meters.

July 1, 1923, $2,200,000, refunding issue of July 1, 1893.

April 1, 1924, $1,000,000, constructing Bull Run conduit No. 3.

September 1, 1924, $1,000.000, constructing Bull Run conduit No. 3.

November 1, 1924, $1,500,000, constructing Bull Run conduit No. 3.

May 1, 1924, $60,000, purchase storage yard in Albina.

May 1, 1925, $1,000,000, constructing mains and installing meters.

March 1, 1926, $2,000,000, purchase and installation of meters, construction of mains, reserve roads and plant extensions.

April 1, 1927, and October 1, 1927, $2,000,000.00, mainly for the construction of Bear Creek storage dam, road construction and main extensions.

All other issues were for construction of mains, plant extension and purchase of property.

ANNUAL REPORT OF CHIEF CLERK, WATER BUREAU, FOR FISCAL YEAR ENDING NOVEMBER 30, 1927

Portland, Oregon, January 4, 1928.

MR. L. S. KAISER, SUPERINTENDENT, BUREAU OF WATER WORKS:

Dear Sir: For your information as part of the annual report made to the Commissioner of Public Utilities, I am submitting herewith the activities of the Revenue Division of the Bureau of Water Works for the fiscal year ending November 30, 1927:

	1927	1926	Increase
Billing for Water	$1,495,914.03	$1,459,626.85	$ 36,287.18
Revenue Collected, Gross Receipts	1,492,240.97	1,461,212.80	31,028.17
Accounts Receivable	30,958.95	27,285.89	3,673.06
Service Count—			
Revenue Earning	83,850	82,540	1,310
Non-Revenue Earning	620	606	14
Private Water Companies—			
Cu. Ft. Water Consumed	70,266,200	64,196,700	6,069,500
Revenue Received and Earned	$ 109,263.52	$ 102,324.34	$ 6,939.18
Pay Stations—			
Number in Operation	19	18	1
Number of Bills Collected Exclusive of No. 1 and No. 2 and City Treasurer	62,767	56,329	6,438
Revenue Collected	$ 144,748.91	$ 134,025.34	$ 10,723.57
Commissions Earned	2,894.92	2,680.45	214.47
Commissions Paid	2,600.93	2,244.98	355.95
Meters—			
Acquired	10,033	10,030	3
Cost of Meters	$ 70,675.00	$ 69,010.00	$ 1,665.00
Number in Stock	5,387	2,966	2,421
Number in Service—			
Owned by City	80,115	73,202	6,913
Owned by Consumers	2,883	2,708	175

REVENUE

REVENUE			
Earnings—			
Consumers Accounts due and unpaid Dec. 1, 1926			$ 27,285.89
Total Charges to Accounts during 1927		$1,500,316.68	
Less Adjustments prior to payment		4,402.65	
Net Charges to Consumers Accounts			$ 1,495,914.03
Total to Account for			$ 1,523,199.92
Revenue—			
Gross Collections for Fiscal Year 1927—			
Meter Rates R1a		$1,203,477.03	
Ship Water R1b		3,966.59	
Flat Rates R2a		11,962.06	
Building R2b		31,177.12	
Municipal R7		418.00	
Public Buildings R8		36,344.50	
Water Cos R9		109,542.77	
Turn Ons R10a		4,030.00	
Taps RE207		69,060.62	
Miscellaneous A61c		22,262.28	
Total		$1,492,240.97	
Accounts Receivable Nov. 30, 1927, as shown by Consumers' Ledgers		$ 30,958.95	$ 1,523,199.92
Gross Collections for Fiscal Year 1927		$1,492,240.97	
Refunds from Water Fund Account—			
Meter Deposits	$ 12.00		
Accrued Revenue account overcharge, duplicate payments, etc	6,178.18	6,190.18	
Gross Collections for Fiscal Year 1927		1,492,240.97	
Gross Collections, 1926		1,461,212.80	
Gross Increase (2.12% plus)		$ 31,028.17	
Net Collections for Fiscal Year 1927		$1,486,050.79	
Net Collections for 1926		1,457,251.81	
Net Increase (1.97% plus)		$ 28,798.98	

The following is a summary of all active and inactive accounts:

	Active Accounts			Vacant Accounts			Grand Total
	Constructed Prior to 1927	Constructed 1927	Total	Constructed Prior to 1927	Constructed 1927	Total	
Dwellings	67,962	1,971	69,933	4,422	575	4,997	74,930
Dwellings and Stores	834	5	839	38	1	39	878
Apartments	736	31	767	14	2	16	783
Hotels, Lodging and Rooming Houses	595	.....	595	26	.....	26	621
Stores and Restaurants	2,469	44	2,513	382	5	387	2,900
Churches	209	1	210	10	1	11	221
Schools	131	6	137	6	2	8	145
Office and Business Buildings	225	4	229	20	1	21	250
Manufactories	339	8	347	35	3	38	385
Laundries	53	.....	53	5	1	6	59
Filling Stations	230	16	246	8	.....	8	254
Elevators	120	.....	120	66	.....	66	186
Vacant Lots	21	3	24	24	.....	24	48
Garages	490	14	504	75	2	77	581
Miscellaneous	1,339	29	1,368	225	8	233	1,601
Totals	75,753	2,132	77,885	5,356	601	5,957	83,842

Grand Total—Active 77,885
Grand Total—Inactive 5,957

Grand Total places supplied of all classifications—83,842

(It is estimated that 1000 services were lost on account of combining and discontinuing during the past year.)

PRIVATE WATER COMPANIES

	Consumers		Number Feet Consumed	Revenue
	Active	Vacant		
Barwell Park Water Dist	120	10	608,600	$ 1,058.07
Base Line Water Co	27	1	395,700	669.36
Beaumont Annex Water Co	107	7	572,600	764.88
Beaverton Water Co	Discontinued		3,867,000	8,797.46
Bertha Water Dist	59	2	736,800	2,065.92
Boundary Acres Water Co	146	15	656,900	866.04
Calman Water Co	36	1	146,400	231.20
Capitol Highway Water Dist	144	23	1,209,400	2,725.24
Clackamas Water Dist	Not in Operation		200,300	257.34
Community Acres Water Co	313	27	2,971,200	3,643.20
Des Moines Water Works, Inc	18	1	58,200	90.90
East Mt. Tabor Water Co	15	3	83,200	128.40
E. 67th St. Water Co	18	3	140,300	208.86
E. 72nd St. Water Co	5	.....	18,300	31.05
Englewood Park Water Co	161	21	1,029,500	1,320.48
Gilbert Water Dist	313	56	2,238,700	2,764.20
Green Hills Water Co	10	2	135,100	403.95
Gresham, City of	499	6	4,619,300	5,620.92
Hazelwood Mutual Water Co	115	10	895,900	1,152.84
Home Water Dist	818	100	4,741,500	10,560.42
Kelly Claim Water Co	13	1	215,700	644.76
Kendall Water & Imp. Co	62	5	501,600	679.68
Killingsworth Mutual Water Co	80	12	1,150,400	1,458.24
Kilpatrick Collins Water Co	128	25	581,000	1,342.76
King Martin Water Co	66	14	487,200	659.82
Luther Place Water Co	111	7	618,700	829.80
Maplewood Water Dist	919	98	5,206,400	11,518.64
Milwaukie, City of	764	37	2,968,900	3,640.44
Mt. Scott Water Co	8	1	78,900	121.95
Mt. Zion Water Co	18	.....	306,000	897.66
Mutual Water Co	52	4	299,900	436.65
Northrup Acres Water Co	15	1	68,500	170.61
Oak Lodge Water Dist	895	130	6,244,100	7,570.68
Oswego, City of	383	40	3,240,000	3,965.76
Palatine Hill Water Dist	98	22	2,257,300	5,030.42
Park Rose Water Dist	1,002	82	6,029,500	7,496.03
Park View Water Co	12	.....	287,900	417.30
P. E. P. Co., Bull Run	12	3	279,300	382.98
Portland Auto Camp	30	50	265,800	391.80
Portland Suburban Water Dist	323	25	1,338,300	1,683.72
Powell Valley Dist. No. 2	115	10	792,100	1,028.28
Powell Valley Road Water Dist	890	141	6,090,300	7,386.12
Prescott Mutual Water Co	77	9	531,400	715.44
Road House	1	.....	9,200	19.35
Russellville Water Co	203	15	805,100	1,043.88
Stanley Mutual Water Dist	96	11	599,600	826.39
Strowbridge Estate (Darlington)	97	7	536,700	721.80
Strowbridge Estate (Rochester)	44	4	218,200	314.10
Sylvan Water Dist	103	9	1,202,100	2,201.87
Valley View Water Dist	7	6	34,000	104.40
Van Ness Water Co	41	7	94,100	142.20
Villa Ave. Base Line W. Co	95	16	1,023,900	1,286.46
Wichita Mutual Water Assn	95	.....	579,200	772.80
Totals	9,789	1,080	70,266,200	$ 109,263.52

DISTRIBUTION SYSTEM

The Water Engineer's report will cover the details of the gravity system. Therefore, I am showing below only the list of units of the distribution system and the number of metered services supplied through each:

East Side—		
Intermediate	18,155	
Low	9,950	
Vernon standpipe	20,352	
High north of Division	11,650	
High south of Division	9,733	
Mt. Tabor pump	328	
Total East Side	70,168	70,168
West Side—		
High gravity	3,676	
Low gravity	6,589	
Intermediate south of Jefferson	481	
Intermediate north of Jefferson	415	
Council Crest pump	159	
Portland Heights pump	755	
Burlingame standpipe	282	
Linnton pump	95	
Kings Heights pump	234	
Total West Side	12,686	12,686
Bull Run pipe line	.....	4
Total	.....	82,858

SERVICE INSTALLATION SUMMARY OF FISCAL YEAR ENDING NOVEMBER 30, 1927

Month	Paving Repairs	Auto	Material	Labor	Overhead Expense	Cost	Schedule Price	Profit
December, 1926	$ 481.55	$ 167.00	$ 1,291.59	$ 1,286.60	$ 487.07	$ 3,713.81	$ 4,526.25	$ 812.44
January, 1927	480.25	150.00	1,257.71	1,267.29	473.69	3,628.94	4,416.25	787.31
February, 1927	747.73	236.00	1,730.72	1,625.45	649.62	4,992.52	6,309.45	1,316.93
March, 1927	935.23	302.00	2,308.13	2,306.02	866.39	6,717.77	8,275.90	1,558.13
April, 1927	675.32	263.00	1,965.22	1,855.76	706.76	5,466.06	6,947.10	1,481.04
May, 1927	659.20	246.00	2,172.86	2,006.84	761.49	5,936.39	7,157.51	1,221.12
June, 1927	618.03	213.00	1,752.75	1,793.92	653.54	5,031.24	5,912.79	881.55
July, 1927	577.78	194.00	1,560.44	1,684.46	594.40	4,611.08	5,325.33	714.25
August, 1927	492.87	200.00	1,351.60	1,479.84	525.67	4,049.98	5,163.57	1,113.59
September, 1927	499.15	151.00	927.91	1,265.82	425.04	3,268.92	3,839.00	570.08
October, 1927	583.25	181.00	1,365.25	1,502.43	542.38	4,234.31	5,155.11	920.80
November, 1927	446.30	125.00	931.33	1,131.89	390.34	3,024.86	3,545.50	520.64
Totals	$ 7,196.66	$ 2,431.00	$ 19,615.51	$ 19,356.32	$ 7,076.39	$ 54,675.88	$ 66,573.76	$ 11,897.88

PAY STATIONS

	Number of Collections	Amount Collected
No. 3. Piedmont Pharmacy	4,843	$ 10,640.68
No. 4. University Drug Co.	3,359	7,321.50
No. 5. The Drug Shop	4,109	9,439.01
No. 6. Armstrongs'	4,425	10,136.02
No. 7. Beaver Pharmacy	4,765	10,701.10
No. 8. Currin's for Drugs	7,087	15,509.94
No. 9. Thompson Lowe Drug Co.	6,432	14,393.73
No. 10. Lents Pharmacy	3,988	9,741.21
No. 11. Laurelhurst Pharmacy	5,987	13,611.72
No. 12. Woodstock Pharmacy	2,548	6,883.90
No. 13. Rose City Pharmacy	3,385	8,138.27
No. 14. M. A. Ernest	2,663	6,211.05
No. 15. Glisan St. Pharmacy	2,013	5,101.81
No. 16. Woolworth's	2,578	5,823.11
No. 17. Fremont Pharmacy	2,419	5,819.99
No. 18. E. 23d St. Pharmacy	1,130	2,792.88
No. 19. Westmoreland Drug Co.	1,036	2,482.99
	62,767	$144,745.91

Commissions earned by the above agencies for fiscal year 1927	$2,894.92
Commissions paid	2,600.96
Commissions outstanding (differential 3c)	$ 293.96

	Number of Collections	Amount
East Portland collections	19,135	$50,745.91
Albina Office collections	19,611	49,824.91
City Treasurer's Offiee colleetions	1,216	4,177.12

The cost to the Bureau of the above collections were it necessary to pay the regular 2 per cent commission would be as follows:

East Portland	$1,014.92
Albina	996.50
City Treasurer	83.54
Total	$2,094.96

METERS

Statements submitted below show the meters acquired, those installed, number in service, kind and size, and other information:

METERS IN SERVICE NOVEMBER 30, 1927

Make	Size							No.
	5/8"	3/4"	1"	1½"	2"	6"	8"	
Arctic	429							429
Badger	95							95
Crest					1			1
American Buffalo	97							97
Enarc	1							1
Crown	68	7	3		2			80
Empire	46	6	535			1	1	589
King	25							25
Lambert	2							2
Nash	95	35	24					154
Niagara	1							1
Trident	7,941	546	375	13	7			8,882
Watch Dog	57,655	4,159	94					61,908
Worthington	5,961	185	136					6,282
Hersey	1,179	1	14					1,194
Keystone	367	7	1					375
Total	73,962	4,946	1,182	13	10	1	1	80,115

PRIVATELY OWNED

Make	Size										No.
	5/8"	3/4"	1"	1¼"	1½"	2"	3"	4"	6"	8"	
Arctic	2										2
Buffalo	92										92
Crown								1			1
Badger	50		1	1	2						54
Crest					26	98	8	3	1		136
Keystone	2										2
Nash	1										1
Niagara	45										45
Empire			1								1
Enarc	16	6	1	1	1						25
Hersey	341	5	20	6	36	1	1		1		411
Trident	323	7	29	14	85	47	4				509
Worthington	44	1	2								47
Watch Dog	775	17	20	21	61					1	895
Total	1,691	36	74	43	211	146	13	4	2	1	2,221

METERS PRIVATELY OWNED—COMPOUND

Make	Size							No.
	1½″	2″	2½″	3″	4″	6″	8″	
Badger						2		2
Empire				1				1
Hersey		42	1	42	16	10	1	112
Trident	29	148		86	45	24	9	361
Worthington								
Watch Dog	36	36		22	21	10	1	90
Gem				1				1
Protectus				3	21	40	2	66
Detector				4	9	20	4	37
Hersey Det. Chk				2	4	4	1	11
Lambert					1			1
Total	29	226	1	161	117	110	18	662
Total of Meters Privately owned								2,883

TOTAL OF EACH SIZE METER IN SERVICE

	⅝″	¾″	1″	1¼″	1½″	2″	2½″	3″	4″	6″	8″	Total
City	73,962	4,946	1,182		13	10				1	1	80,115
Private	1,691	36	74	43	211	146		13	4	2	1	2,221
Private—Compound					29	226	1	161	117	110	18	662
Total	75,653	4,982	1,256	43	253	382	1	174	121	113	20	82,998

METERS ACQUIRED DURING FISCAL YEAR 1927

Make	Size	Received From	How Acquired	No.	Cost
Watch Dog	⅝x¾″	Gamon Meter Co	Purchase	9,500	$ 65,550.00
Watch Dog	¾″	Gamon Meter Co	Purchase	500	5,125.00
Watch Dog	⅝″	Ptl. Base B. C	Bill Sale	1	
Am. Buffalo	⅝″	In Shop—No Record, Ownership Lost			
Hersey	⅝″	Was Private	Exchange 1″	1	
Hersey	1″	Was Private	J. P. Griffin	1	
Empire	⅝″	In Shop, No Record, Ownership Lost			
Trident	⅝″	Was Private, Ownership Lost		1	
Trident	⅝″	Was Private, Confiscated for Bill		1	
Worthington	⅝″	Was Private, Ownership Lost		1	
Worthington	⅝″	Was Private, St. Johns' 1916		1	
Watch Dog	⅝″	Missing Meters Located		16	
Watch Dog	¾″	Missing Meters Located		2	
Worthington	⅝″	Missing Meters Located		5	
Hersey	⅝″	Missing Meters Located		1	
		Total		10,033	$ 70,675.00

METERS INSTALLED FISCAL YEAR 1927

Month	City	Private	Total
December	299	14	313
January	769	7	776
February	1,229	28	1,257
March	1,806	19	1,825
April	1,284	22	1,306
May	559	34	593
June	457	24	481
July	375	29	404
August	438	26	464
September	522	20	542
October	487	16	503
November	242	15	257
Totals	8,467	254	8,721

Month	Meters Removed			Meters Changed City
	City	Private	Total	
December	100	2	102	155
January	52	2	54	147
February	55	3	58	204
March	96	4	100	206
April	282	12	294	207
May	249	14	263	187
June	111	24	135	202
July	113	2	115	225
August	163	3	166	372
September	150	3	153	392
October	108	5	113	213
November	75	5	80	199
Total	1,554	79	1,633	2,709

METER INVENTORY—1927

	⅝"	¾"	1"	1½"	2"	4"	Total
Watch Dog	4,247	515	1				4,763
Trident	112	8	28	4	5		157
Nash	2						2
Sentry	1						1
Badger	3						3
Enarc	1						1
Arctic	2						2
Buffalo	6						6
Hersey	9		1				10
Keystone	4						4
Empire			437				437
Crest						1	1
Total	4,387	523	467	4	5	1	5,387

Inventory, 1926	2,966	
Acquired, 1927	10,009	
Missing—located	24	
Removed	1,554	
	14,553	14,553
Installed, 1927	8,467	
Scrapped, los t	699	
	9,166	9,166
Inventory, November 30, 1927		5,387

The heads of each activity render to me monthly reports of their work, which I have detailed each month in a report to your office. For the purpose of making this a complete report I am including herewith a summary of these reports:

INSPECTION

Number of turn-ons, shut-offs, re-reads and miscellaneous orders, etc.	22,040
Number of plumbing permits reported on	6,571
Total number of bills delivered by inspectors	158,670
Number of inspectors on duty	33
Amount collected by inspector for building purposes	$27,848.95

CASHIERS

Results of cash at the close of the fiscal year of the various cashiers:
City Hall, $13.33 over.
East Portland, $7.96 short.
Albina, balanced.

Net average for the year of $5.37, which amount was turned over to the City Treasurer.

PERMITS

Permits for connections to new premises (installing services)	2,195
Permits for connections to new premises (curb services in)	631
Permits for change of service (installing service)	141
Permits for change of service (curb service in)	259
Permits for curb services only	38
Permits for additional fixtures	2,508
Permits for replacing of fixtures	251
Permits for removal of fixtures	2
Permits issued—killing service at main	13
Total number of permits issued	6,268
Total number of services installed	2,374
Number of plumbers from whom bonds were required	208

INFORMATION AND COUNTER CLERK

Number of duplicate bills issued	20,982
Number of adjustments made	1,242
Number of turn-ons as per orders filed	10,633
Number of shut-offs as per orders filed	5,990
Number of refunds	309
Number of accruals	5,194

DELINQUENT CLERK

Number of accounts on delinquent list	131,826
Number of these accounts "shut-off-vacant", etc	47,435
Number reminded of delinquency	42,728
Number checked for vacancies, etc	22,403
Number found occupied and water turned on without application	2,157
Number found vacant and shut off without orders	2,366
Number shut off for non-payment	4,485
Number of checks returned from banks	557

ADDRESSOGRAPH OPERATOR

Number of new plates made for addressograph	3,470
Number of changes in addresses or names	6,489
Number of miscellaneous changed	5,594
Number of plates discarded	919
Number of bills printed	343,292
Number of bills mailed	164,002
Duplicate orders	563

TELEPHONE CLERK

Number of telephone calls	23,349

CONCLUSION

The above covers a comprehensive resume of practically every important item of activity transacted during the past year, and I trust you will find it of some value in compiling the statistics of our utility.

I desire to take this opportunity of expressing to my fellow employes my appreciation of the co-operation and support and trust the pleasant relations and harmony now existing will continue throughout the new year, and that I may have the same whole-hearted assistance in the administration of the affairs under my supervision.

My acknowledgement is here shown to you as Superintendent, to Commissioner Mann and Mr. Goode, Assistant Commissioner, for the courtesies and co-operation extended, which have been of much help to me in my endeavor to dispense courtesy to the public and reflect credit to the administration in charge of the Bureau of Water Works.

Yours respectfully,

G. A. MARSHALL,
CHIEF CLERK.

ANNUAL REPORT OF OPERATING AND CONSTRUCTION DEPARTMENT, BUREAU OF WATER WORKS, FOR FISCAL YEAR ENDING NOVEMBER 30, 1927.

Portland, Oregon, December 15, 1927.

MR. L. S. KAISER, SUPERINTENDENT:

Dear Sir: Following is the report of the activities of the Operating and Construction Department of the Bureau of Water Works under the supervision of the General Foreman, for the fiscal year ending November 30, 1927:

Mains Laid—

	Feet
1" galvanized pipe	800
1½" galvanized pipe	160
2" galvanized pipe	39,474
4" cast iron pipe	4,522
6" cast iron pipe	15,801
8" cast iron pipe	128,073
12" cast iron pipe	18,093
16" cast iron pipe	19,576
20" cast iron pipe	1,880
24" cast iron pipe	48
12" I. D. steel pipe	2,400
	230,827

Approximately 43.71 miles

Pipe Removed—

	Feet
¾" galvanized pipe	233
1" galvanized pipe	428
1½" galvanized pipe	302
2" galvanized pipe	29,316
4" cast iron pipe	77
6" cast iron pipe	1,366
8" cast iron pipe	423
24" cast iron pipe	100
24" steel pipe	200
30" steel pipe	200

Pipe Abandoned—

	Feet
¾" galvanized pipe	4,576
1" galvanized pipe	8,918
1½" galvanized pipe	1,539
2" galvanized pipe	6,562
2½" galvanized pipe	22,478
2" wood pipe	259
3" wood pipe	36
4" wood pipe	879
6" wood pipe	2,481
4" kalamein pipe	322
4" cast iron pipe	1,870
6" cast iron pipe	1,029
8" cast iron pipe	3,783
	697

	Number
Mains repaired	431
Services repaired	1,257
Services transferred	1,931
Services killed	460
Services moved	409
Services to curb installed	34
Services located for plumbers	24
Services to curb killed	19
Services installed	2,155
Services shut off at curb	5
Services shut off account non-payment for Revenue Division	3
Gates set exclusive of main installations	37
Gates moved	43
Gates repaired	160
Gate boxes set	359
Hydrants set	165
Hydrants moved	79
Hydrants repaired	13
Hydrant branches installed—hydrants not set	60
Hydrant branches killed	1
Fountains moved	3
Fountains repaired	5
Concrete meter boxes set	317
Curb boxes—wood, reset	11
Street repairs, account settlement	71
Mains moved and lowered	116
Bad water complaints investigated	43
Dead ends blown off to clear water	22
Low pressure cases investigated	18
Meters moved	16
Meters set	323
Leaks prospected for and not found	16
Electrolysis cases affecting service pipes	34
Regulator valves removed	1
Regulator valves installed	2
Air valves installed	1
Gate chambers built, new	38
Gate chambers repaired and rebuilt	6
Work done for others and to be billed	89
Leak and repair calls responded to	4,123

Respectfully submitted,

JOHN HAMILTON,
GENERAL FOREMAN.

ENGINEER'S REPORT

ANNUAL REPORT OF ENGINEER OF WATER BUREAU FOR FISCAL YEAR ENDING NOVEMBER 30, 1927

Portland, Oregon, December 1, 1927.

HON. JOHN M. MANN, COMMISSIONER OF PUBLIC UTILITIES.

Dear Sir: Herewith I respectfully submit for your consideration a summary of construction operations and maintenance activities of the Water Bureau as carried out under the direction of the Engineering Staff during the fiscal year ending November 30, 1927.

GENERAL

During the year 1927 there was a total of 35.861 miles of cast iron pipe, 0.455 miles of 12-inch steel pipe, and 9.053 miles of galvanized mains (practically all 2-inch diameter) added to the distribution system. Also, there were removed or abandoned 7.27 miles of pipe, 4 inches in diameter or over, and 22.577 miles of pipe under 4 inches diameter, mainly 2-inch. There is thus an increase of 29.046 miles of cast iron mains and a decrease of 13.524 miles of galvanized mains, practically all 2 inches in diameter or under.

There is at present a total mileage of 1111.228 for all sizes of water mains now in use and owned by the City. In addition, there are 20.727 miles of cast iron, 0.103 miles of 6-inch wood, and 24.929 miles of galvanized mains owned privately, but maintained and operated by the Water Bureau, making a grand total of 1156.987 miles of mains in use at the close of the fiscal year. Appended to this report will be found tabular statements giving details of extensions, removals, etc.

There has been some decrease this year in the total mileage of mains installed and no mains larger than 20-inch diameter have been laid, as compared with several miles each of 20-inch, 24-inch, and 30-inch last year. Notwithstanding, we have installed a number of secondary mains for our gridiron system of considerable importance, as follows:

12-inch, Prescott street, Union avenue to East 15th street.
16-inch, East 18th street, Oregon to Pine streets.
16-inch, East 34th street, Holgate to Gladstone.
12-inch, "Sellwood Loop", Leo avenue, East 9th street, East 8th street, Marion avenue, East 19th and Lambert.
16-inch, East 33rd street, East 35th street, Powell to Division.
12-inch, Lombard street, Kerby to Union avenue.
16-inch, Borthwick street, Kerby street, Fremont to Killingsworth.
12-inch, East Alder street, East 12th to East 16th streets.
16-inch, 45th avenue, Foster road to 72nd street.
16-inch, Macadam road, Nevada to 1130 feet south of Virginia.
20-inch, Macadam road, Nevada to Dakota.
16-inch, East 52nd street, 57th to 65th avenues.

The relocation of the Canyon Road, now in progress, necessitated the installation of some 2800 feet of 12-inch steel main, paralleling the existing 12-inch main, the greater portion of which will eventually

be abandoned as it is now covered by a heavy fill which will preclude the possibility of repairs and hasten its final abandonment.

Breaks in Mains—

Three major breaks occurred during the year on the lines of the distribution system. On January 31 the 16-inch main in Hancock Street developed a bad leak at Seventeeth Street, and before the main could be shut down a number of neighboring basements were flooded and the hard surface for nearly a block was damaged.

On July 13 the 8-inch main in Hawthorne Avenue developed a bad leak at the northwest corner of Water Street. The basements of several stores nearby were flooded and damage occurred to cement, plaster, etc., in storage.

September 6 one of the worst breaks we have yet experienced developed on the old 24-inch Highland main in Forty-seventh Street at a point approximately 100 feet south of Halsey Street. In addition to flooding several basements, the basement of the Doernbecher Furniture Co. at East Twenty-ninth Street, was flooded, and some 3000 yards of fill between Halsey Street and Sullivan Gulch was washed down into the adjacent low lands, letting down a considerable yardage of pavement, sidewalks and curbs. These breaks all occurred in the middle of the night and the water ran undiscovered for some time, thus materially increasing the damage.

During the past year a large number of fire hydrants in the business section have been moved, in most cases only 2 or 3 feet, to provide a uniform setting for the various new street lights installed in this section. The work of moving these hydrants involved some expense and in all cases the cost has been assessed against the abutting property along with the costs for the lighting system.

EXTENSIONS PROPOSED FOR 1928

A program curtailing construction activities in our distribution system will be followed during the coming year as regards the larger sizes of mains. Our major "gridiron" system is now adequately provided for as a result of our extensive construction of the past three years. The normal steady growth of the City will no doubt continue and we are anticipating for 1928 the installation of approximately the same mileage of 4-inch, 6-inch and 8-inch mains as were installed in 1927. Again, the matter of street paving is mentioned, which calls for a considerable percentage of our cast iron main installations in the outlying residential sections. This is certain to continue with the building up of this area, and the further need of fire protection.

The following large mains (12-inch and over) are proposed for installation during the coming year:

Macadam Road—

Dakota Street to Lowell Avenue (2980 feet of 20-inch). This main will replace the old 24-inch and 30-inch steel, and the 6-inch cast iron mains existing in this location. The steel mains are the old supply mains from Palatine Hill, are unnecessarily large to operate and maintain and run irregularly from one side of Macadam Road to the other, crossing and recrossing each other. The proposed 20-inch main should take care of all immediate and future needs likely to arise in the South Portland district for many years to come.

Morrison Street—

Front to Tenth Streets. (2613 feet of 16-inch.) Originally planned for this year this main should be installed at once to augment the supply along and immediately adjacent to this important street, replacing the existing 6-inch now heavily overloaded.

Sixth Street—

Salmon Street to Stark Street. (1550 feet 16-inch.) Like the Morrison Street main, this main was originally scheduled for installation this year, but will have to be postponed until 1928.

Twenty-fourth Street—

Johnson to Lovejoy; Lovejoy Street, Twenty-fourth to Twenty-fifth; Twenty-fifth Street, Lovejoy to Pettygrove; Pettygrove Street, Twenty-fifth to Twenty-sixth Streets. (2560 feet 12-inch.) This main will materially augment the supply for the northerly section of the West Side high area, a thickly populated high-value district now poorly supplied, especially from the standpoint of fire protection.

Seventy-second Street—

Fifty-fifth Avenue to Sixty-fifth Avenue. (2590 feet 20-inch.) The 12-inch supply main to the recently formed "Clackamas Water District", together with the increased consumption in the general Lents area, will necessitate the continuation of our major supply main in Seventy-second Street, beyond Fifty-fifth Avenue, as outlined.

Holgate Street—

Forty-first Street to Fifty-second Street. (2705 feet 12-inch.) This main will complete the major "gridiron" system in this vicinity, and is needed to augment the supply in a large number of small mains.

Lafayette Street—

East Seventeenth Street to East Twenty-second. (1290 feet 12-inch.) This main is required to complete the "gridiron" system in this section, where several large manufacturing plants have recently been established.

East Salmon Street—

East Twenty-eighth to East Thirtieth Streets; East Twenty-eighth Street, Salmon to Hawthorne; Hawthorne Avenne, East Twenty-third to East Twenty-niuth Streets. (2786 feet 12-inch.) This main is badly needed to reinforce the gridiron system in this section of the central East Side highly congested and semi-business area.

East Morrison Street—

Union Avenue to Grand Avenue. (267 feet 12-inch.) The installation of this main has been under consideration for several years past. It is badly needed to complete the "gridiron" system in this locality.

East Eighth Street—

Ash to Couch Streets. (785 feet 12-inch.) This main will connect two present "dead" ended mains and act as an important "tie" main in this semi-business area.

ADDITIONAL RESERVOIR CAPACITY

The construction of the 285,000-gallon steel standpipe at Portland City Homestead scheduled for this year was postponed, and will be required the coming year by reason of the construction of the new United States Veterans' Hospital on Marquam Hill.

Further consideration is being given to the proposed secondary storage unit at Portland Heights. Due to the constantly increasing consumption in this section a second tank will be necessary and will probably be constructed during the coming year.

Additional storage on the West Side of the Willamette River still remains a subject for serious consideration. Additional reservoir capacity is needed here to safeguard the supply in this section of the City should any unusual condition arise to interrupt the supply.

Camps Butte Reservoir—

The construction of the first unit of the projected storage reservoir development on Camps Butte will be held in abeyance until the completion of the Bull Run Storage project now under way.

Preliminary work on Camps Butte has covered an accurate survey of property lines on the north half of the Wilson farm, and surveys made and rights-of-way secured for roads leading from the Gates and Powell Valley Roads to the summit of the Butte. On these roads about 3000 feet has been graded and an additional 1000 feet slashed and burned.

BULL RUN RESERVE STORAGE

A contract, in the amount of $171,060 for the clearing of the Bull Run Storage Basin was awarded to Heller Brothers on December 7, 1926. A small crew was soon at work but it was the latter part of January, 1927, before construction of the Bear Creek Road had reached a point where it was possible to move heavy equipment over it.

Bids were opened on February 9, 1927, for the construction of the Bull Run Dam, and on February 24, 1927, the contract was awarded to Bent Brothers, on their bid of $1,440,375.

The road was completed in March and a final estimate rendered J. F. Shea Co. on the first of April. Though considerably behind schedule the road was completed by the time the contractors were ready to move in heavy materials or equipment to the site of the work.

On May 6, 1927, a contract was entered into with the Santa Cruz Portland Cement Co. to furnish cement for the dam at the price of $2.89 per barrel, f. o. b. Bull Run, Oregon, making a total of $578,000 for the estimated requirement of 200,000 harrels. A 40-cent allowance for returned sacks and a later reduction of 12 cents in freight rates brought down the cost to $2.37 per barrel, f. o. b. Bull Run, Oregon.

Work on the dam has suffered many delays due, in part, to unprecedentedly early high waters, but it seems safe to predict that by next summer concreting will have reached a sufficient elevation to insure plenty of storage for the dry months.

On July 30 a fire started on Bent Bros. railroad, spreading up the hill past the camp and into the slashed area in the storage basin. While the fire threatened to be of serious extent, strenuous efforts on the part of contractors' and City forces kept it from more than a short distance into the green timber.

Owing to an unusually short dry season last summer it was not necessary to draw on the Bull Run Lake storage.

BULL RUN RESERVE

All trails were opened and put in good condition and telephone lines repaired. This work was done by the two men regularly employed at the lake. Other than this, all activities in the Reserve were confined to the Bull Run Storage project and the improvement of roads. The road on the north side of the river was regraded and macadamized from the Larson Road to the Headworks.

The crusher furnished rock for walks and drives at Bear Creek Camp and Kaiser Park and for construction and maintenance of Headworks and Bear Creek Roads.

No operators will be stationed at the Lake this winter.

RESERVOIRS AND STANDPIPES

The following reservoirs, tanks and standpipes are in use in connection with the distribution system:

		Elevation	Gallons Capacity	When Built
Reservoirs—				
Reservoir No. 1, Mt. Tabor	Concrete	411.6	12,000,000	1894
Reservoir No. 2, Mt. Tabor	Brick	229.2	20,500,000	1894
Reservoir No. 3, City Park	Concrete	299.5	16,400,000	1894
Reservoir No. 4, City Park	Concrete	229.5	17,600,000	1894
Reservoir No. 5, Mt. Tabor	Concrete	411.6	42,000,000	1911
Reservoir No. 6, Mt. Tabor	Concrete	305.0	75,000,000	1911
Standpipes—				
Vernon Standpipe	Steel	362.39	1,000,000	1921
Burlingame Standpipe	Steel	635.00	114,800	1912
Council Crest Standpipe	Steel	1,096.50	60,000	1909
St. Johns Standpipe	Steel	246.75	360,000	1921
Tanks—				
Kings Heights	Concrete	865.00	200,000	1911
Mt. Tabor	Concrete	590.00	200,000	1911
Portland Heights	Concrete	865.00	600,000	1908
Willamette Heights	Concrete	445.62	60,000	1907
South Portland	Concrete	475.00	60,000	1907
Upper Linnton	Concrete	538.90	130,000	1913
Lower Linnton	Concrete	192.90	130,000	1913
Upper Whitwood	Concrete	566.70	130,000	1913
Lower Whitwood	Concrete	192.10	130,000	1913
*Upper Willbridge	Concrete	768.30	65,000	1913
*Lower Willbridge	Concrete	189.90	130,000	1913
**Willallitan Park	Concrete	1,065.60	130,000	.....

* Not in use.
** Never in use.

LEAKAGE FROM RESERVOIRS

The following is a table showing a summary of the leakage from the reservoirs for the year 1927, viz:

	Gallons
Reservoir No. 3	55,447,000
Reservoir No. 4	3,107,700
Reservoir No. 5	*119,153,000
Reservoir No. 6	66,552,800

*Includes 80,000,000 gallons flowing from springs under the lining of this reservoir.

The drains along the south side of Reservoir No. 6 showed the following flows for the year 1927:

	Gallons per day
Maximum	5,500
Minimum	Dry

DRAINAGE TUNNELS, SLIDING GROUND

The average movement of the sliding ground for the year 1927 was 0.10 of a foot, being 0.06 less than the average of 0.16 of a foot for 1926. The marked increase of movement during 1926 over that of previous years was due, no doubt, to taking up the slack by tunneling operations. That most of this slack is now taken up is indicated by the reduction in movement during the year just passed and it is logical to expect a further reduction in the future providing the tunnel drains are kept open.

Many posts, broken by earth pressure, have been replaced and, as the timbering shows signs of rapid decay, it may not be long before maintenance of the tunnels will be so extensive as to make necessary some other solution, such as installing drain pipe and backfilling with gravel.

PUMPING STATIONS

Mt. Tabor Unit

Our summer peak load has reached the point where the present equipment can barely carry the same. This is mainly due to a greatly increased demand by the Park Bureau for irrigation in the higher sections of Mt. Tabor Park. Not only will a new pump be needed here soon but the present 6-inch pump main will either have to be increased in size or paralleled with another line.

Council Crest Unit

The Old Gould pump at this station will not carry the necessary load in case the Fairbanks-Morse pump should be out of service for any length of time. It is accordingly proposed to replace this pump with one of the two Fairbanks-Morse pumps now located at the City Park Station, which will take care of the demand here for a long time in the future.

City Park Unit

Pump No. 5 (Fairbanks-Morse, 500,000 gallons daily capacity) at this station should be replaced with a new pump, capable of delivering at least 1,000,000 gallons daily to Portland Heights.

On April 7 a change was made at this station, the pumping being re-arranged so that it is now possible to pump separately to Portland Heights and Kings Heights, or jointly as before. During the summer "peak" load pumps No. 2 and 3 will be used mainly for Kings Heights; 4, 5 and 6 for Portland Heights, and 1 for North and South Portland as in the past. It is now possible to pump to Kings Heights, Portland Heights or North and South Portland tanks with any of the six pumps singly or through any combination desired.

The following is a list of the pumping stations and equipment operated by the Department:

	Style of Motor	Elevation	Elevation Supplied	Gallons per Day Capacity
City Park	Hydraulic	236	445	1,000,000
City Park	Hydraulic	236	865	500,000
City Park	Electric	235	865	500,000
City Park	Electric	235	445	1,000,000*
City Park	Electric	235	445	1,000,000*
City Park	Electric	238	865	1,200,000
Council Crest at Greenway, Portland Heights	Elec. (Auto.)	865	1,096.5	220,000
Council Crest at Greenway, Portland Heights	Elec. (Auto.)	865	1,096.5	500,000
Fulton	Elec. (Auto.)	230	635	650,000
Fulton	Elec. (Auto.)	230	635	500,000
Fulton	Elec. (Auto.)	230	635	1,600,000
Reservoir No. 2	Hydraulic	230	590	108,000
Reservoir No. 2	Hydraulic	230	590	108,000
Reservoir No. 2	Electric	230	590	500,000
Linnton	Elec. (Auto.)	190	537	108,000
Whitwood	Elec. (Auto.)	190	565	108,000

*These two pumps may also be run in series, pumping 1,000,000 gallons per day to elevation 865.

VENTURI METERS

The following is a list of the Venturi meters in the system. These meters are performing very efficient service in showing "peak" load conditions in the various portions of the distribution system throughout the City:

Size	Type	Location	Installed	District Supplied
52"	Venturi	Headworks	1911	Conduit No. 2
44"	Venturi	Mt. Tabor Reservoir No. 1	1911	Reservoir No. 5
30"	Premier	Mt. Tabor Reservoir No. 5	June, 1916	E. S. High, North
24"	Premier	Mt. Tabor Reservoir No. 1	1907	E. S. High, North
30"	Premier	Mt. Tabor Reservoir No. 1	June, 1914	E. S. High, South
30"	Premier	Reservoir No. 6	July, 1911	E. S. Intermediate
24"	Premier	Reservoir No. 2	Jan., 1916	Low Gravity, E. Side
6"	Premier	Reservoir No. 2	Jan., 1916	Tabor Heights
24"	Premier	Reservoir No. 4	June, 1915	Low Gravity, W. Side
18"	Premier	Reservoir No. 3	1915	High Gravity, W. Side
12"	Premier	Reservoir No. 4	Dec., 1915	Portland Heights
12"	Premier	Reservoir No. 4	Dec., 1915	Kings Heights
10"	Premier	Reservoir No. 4	Dec., 1915	Willamette Heights
8"	Premier	Reservoir No. 4	Dec., 1915	South Portland
10"	Premier	Fulton Park	Apr., 1916	Burlingame Stanpipe
6"	Premier	Greenway Reservoir	Mar., 1916	Council Crest
58"	Venturi	Headworks	1925	Conduit No. 3
50"	Venturi	Reservoir No. 1	1925	Conduit No. 3
30"	Premier	Reservoir No. 6	Mar., 1926	E. S. Intermediate
36"	Venturi	Mt. Tabor Reservoir No. 5	May, 1926	Vernon Ttandpipe

In addition to the above, on March 1, 1923, a "Simplex" Pitometer with recorder was installed on the 24-inch distribution main out of the Vernon standpipe, and on July 10, 1927, a second "Simplex" Pitometer and recorder was installed at Vernon, on the new 30-inch distribution main.

REGULATING VALVES

Owing to the contour of the City it is necessary to regulate the pressure on some of the systems to avoid excessive head for domestic supply. The following statement shows the location, size and pressure on both the high and low pressure sides of these regulators:

Pressure Regulator	Size	Elev.	High	Low	Main	Kind
E. 38th and Woodstock	8"	206.0	78 lbs.	35 lbs.	8"	Mueller (old)
E. 33rd and Ainsworth Ave	8"	132.4	82 lbs.	40 lbs.	12"	Golden-Anderson
E. 13th and Holman Sts	8"	160.8	78 lbs.	40 lbs.	12"	Mueller
5th and Witham Sts	4"	387.4	105 lbs.	40 lbs.	8"	Mueller
Kelley & Custer Sts	3½"	252.0	95 lbs.	40 lbs.	8"	Mueller
17th and Elizabeth Sts	4"	640.0	100 lbs.	40 lbs.	8"	Mueller
Myrtle and Chapman	4"	512.0	93 lbs.	35 lbs.	6"	Mueller
21st and Clifton Sts	3½"	497.5	100 lbs.	40 lbs.	6"	Mueller
Chula Vista and Hermosa	4"	654.8	95 lbs.	30 lbs.	8"	Mueller
Macleay and Melinda	4"	500.0	90 lbs.	40 lbs.	8"	Mueller
Fairview and Rutland	3½"	492.0	95 lbs.	40 lbs.	6"	Mueller
Fairview and Alley	4"	639.7	100 lbs.	40 lbs.	8"	Mueller
Davenport and Alpine	1½"	584.7	122 lbs.	40 lbs.	2"	Mueller
Mill St.—Whitwood Court	8"	446.5	61 lbs.	30 lbs.	8"	Ross
Springville Rd.—Whitwood Court	8"	423.1	52 lbs.	28 lbs.	6"	Ross
Lance Ave. and Abington	2"	199.0	98 lbs.	48 lbs.	6"	Ross
Willamette Blvd., West End S. P. & S. Bridge	8"	149.5	90 lbs.	55 lbs.	12"	Mueller
Glen Ave. and Harbor Blvd	2"	217.2	125 lbs.	35 lbs.		Mueller
Lombard and West End S. P. & S. Bridge	8"	140.7	95 lbs.	58 lbs.	12"	Mueller
Vista Ave. and Spring St	6"	597.6	110 lbs.	47 lbs.	6"	Mueller
Portland Heights Reservoir	2"	864.6	96 lbs.	50 lbs.	2"	Mueller
Waldmere	4"	195.4	87 lbs.	40 lbs.	4"	Mueller
Chesapeak and Melville	2"	771.36	135 lbs.	35 lbs.	2"	Mueller
Dosch Road and Sonora Ave	2"	559.12	140 lbs.	30 lbs.	2"	Mueller
Fairmont Blvd., 1050 ft. N. W. of W. L. Elmonica	2"	877.22	92 lbs.	15 lbs.	2"	Mueller
Main St. and Vista Ave	4"	251.05	110 lbs.	40 lbs.	4"	Mueller
Linnton—4th and "C" Sts	6"	204.8	140 lbs.	45 lbs.	6"	Ross
Vernon Standpipe North	14"	237.55	73 lbs.	52 lbs.	24"	Golden-Anderson
Vernon Standpipe South	14"	237.53	73 lbs.	52 lbs.	24"	Golden-Auderson
Vernon Standpipe	16"	238.27	52 lbs.	32 lbs.	16"	Golden-Anderson
St. Johns Standpipe	12"	145.44	52 lbs.	20 lbs.	12"	Golden-Anderson
Warranton Terrace and Macleay Blvd	8"	645.00	95 lbs.	40 lbs.	8"	Mueller
Cumberland Road and Rapidan	8"	500.0	114 lbs.	40 lbs.	8"	Mueller
Fessenden and West End S. P. & S. Bridge	8"	94.3	115 lbs.	80 lbs.	12"	Mueller
Broadway Drive Easterly of Robins Crest Lane	2"	491.0	162 lbs	45 lbs.	1½"	Mueller

These regulators are inspected at least once a week and are kept in repair and adjustment.

AUTOMATIC PRESSURE RECORDING GAUGES

Bristol Recording Pressure Gauges are maintained at points indicated in the following tabulated statement. The records from these gauges have been of valuable assistance in determining low pressure areas and general pressure conditions of the several systems throughout the City. These records also indicate the exact time of serious breaks and shutdowns, as well as recording the time when the service was restored. The charts are filed as part of the office records.

The following statement shows the location of these gauges:

Location of Bristol Gauges	Elevation	Pressure
Vernon High	251.52	70 lbs.
Vernon Low	251.53	40
Russell—297 Sacramento	157.82	64
Portland Heights	242.74	275
N. & S. Portland Pump	242.75	125
123 E. 7th St. (Alder)	43.24	81
Engine No. 31—67th St. and 46th Ave.	234.10	75
Northern Sub.	148.04	85
Engine No. 20—13th and Tenino Sts.	122.76	47
City Hall High	66.00	97
City Hall Low	66.00	67
St. Johns Shop	156.19	37
Engine No. 27—82nd St. and Burnside St.	259.35	66
Engine No. 29—E. 8th and Dekum Ave.	139.18	47-49

CHARACTER OF WATER

As to the quality of Bull Run water, I can not improve on the statements found in the reports for the years just passed, which follow:

In the report for the year 1914 reference was made to the analysis of Bull Run water and the report thereon forming a part of Water Supply Paper No. 363, issued by the U. S. Geological Survey in the year 1914. Extracts from this paper were given in the report for last year and are repeated herein in part as follows:

"Bull Run River flows from a small lake formed by a morainal dam lying across an upland valley near Mt. Hood. The lake discharges through its surface outlet only at high stages, the usual outflow heing by seepage through the boulder of the moraine. The outflowing stream flows northwestward a few miles, then southwestward to its junction with the Sandy River. A long, low rise separates this basin from the Mt. Hood glaciers, and no glacial water reaches the river. The basin comprises 222 square miles, of which the greater part is heavily forested.

"The mean annual precipitation at Bull Run postoffice which is 647 feet above sea level and above which there are 96 square miles of drainage basin, is 76 inches. Mucb of this falls as snow in winter, but storage in the lake tends to equalize the run-off somewhat and to increase the volume of the low water flow.

"The aunual run-off from the drainage basin probably averages more than 100 inches in depth over the area.

"The quality of the water of this river is important hecause the City of Portland diverts water from it near the town of Bull Run through two lines of pipe for a municipal supply. The entire drainage basin above the intake of the pipe lines is included in the Bull Run Forest Reserve, and trespass is prohibited by efficient policing. Because of the remoteness of the upper Bull Run basin, and the ideal sanitary conditions and effective patrol in it, Portland's water supply may be considered primarily pure and above criticism."

Following is an analysis of Bull Run water and report thereon dated May 3, 1918, from Dr. E. C. Callaway, chemist for the Bureau of Health:

ANALYSIS OF BULL RUN WATER, MAY 3, 1918

Two samples were collected for analysis as follows:

May 3rd, Sample No. 1, from Bull Run River at the Headworks; 6 gallon sample.

May 4th, Sample No. 2, from faucet at the City Hall; 6 gallon sample.

This report covers the careful analysis of two representative samples. These analyses have been checked to the extent that we may safely conclude they are approximately close to a mean of any series of similar samples that might be collected during the spring, and not far from a mean of any series of samples that might be collected during the year.

In reporting the composition of solids dissolved in surface water, it is the practice of modern chemists to report only facts and make no inference. For instance, lime is reported as Calcium, and not as Calcium Sulphate or Calcium Carbonate. It is only an inference to say that lime exists as a sulphate, carbonate, etc., since we do not actually determine that as a fact.

Table I gives the report of the complete mineral analysis of the water. The results are expressed in parts per million in all of the tables.

Table II gives the industrial and engineering interpretation of the analysis of Bull Run water (according to Stabler) as it is delivered in the City, and makes a comparison with Columbia River water sampled at Cascade Locks in 1912.

Table III compares these analyses with the mean of a series of analyses of Oregon streams made in 1911 and 1912 by the U. S. Geological Survey.

Table IV gives a sanitary analysis of Bull Run water and an interpretation of the same.

Bull Run water will perhaps be found to be the cheapest water for all factory purposes in the long run, and especially for boiler use. When the life of boilers and machinery, the cost of softening the water and other factors are considered Bull Run water may be found to he more economical than well water or river water.

For instance, for laundry use Bull Run water will require less than one-third the amount of soap that would be required for Columbia River water (Table II-I). Bull Run water requires practically no softening for any industrial use, and foams very little in the boiler. It is non-corrosive to metal and produces a very slight soft scale in boiler tubes. If tubes are cleaned often it ought not to he necessary to use a boiler compound.

The analysis given in Table III are set forth in the order of purity from first to last. Bull Run is found by the U. S. Geological Survey to be the purest stream of water in Oregon, and as far as I have been able to find in the records of analyses, it is the purest stream of water in the U. S. large enough to be ntilized by a large city as a water supply.

This table indicates just how free from impurities it is compared with other streams of Oregon. If water from the Owyhee or Crooked Rivers, with its excess of alkali carbonates and suspended matter, should be turned into the Bull Run pipes there would be no end of loud complaints from the water consumers of Portland.

TABLE I

	Parts Per Million	
	Sample No. 1 from Bull Run River at the Headworks	Sample No. 2 from Faucet at the City Hall Chemical Laboratory
Suspended Matter (floating moss, etc.)	2.0	1.1
Colloidal Matter (sand, grit, dirt, etc.)	5.1	4.8
Silica ($Si\ 03$)	.....	.....
Iron Oxide (Red iron rust) $Fe_2 03$ Aluminum Oxide (Clay)	0.02	0.05
Dissolved Gas—		
Carbon Dioxide ($C0_2$)	2.0	2.0
Total Dissolved Solids	26.2	25.0
Calcium (Ca)	2.5	2.8
Magnesium (Mg)—Metals	0.12	0.15
Sodium (Na)	3.7	3.1
Potassium (K)	0.9	0.7
Carbonates (CO_3)	0.0	0.0
Bicarbonates (HCO_3)	11.7	10.2
Sulphates (SO_4)	3.2	4.2
Chlorines (Cl)	2.0	1.7
Nitrates (NO_3)	0.31	0.41

There is a remarkably slight difference in the composition of the water in Bull Run River and the water delivered to the consumer in the City. There is a slight reduction in some ingredients in transit, due perhaps to sedimentation and precipitation in the reservoir.

As a whole the analyses show that Bull Run water is remarkably free from mineral impurities.

TABLE II

INDUSTRIAL INTERPRETATION OF ANALYSIS COMPARING BULL RUN WATER WITH COLUMBIA RIVER WATER

	Sample Bull Run Water from Faucet at City Hall	Columbia River Water at Cascade Locks
1. Soap Costs. (Cost in cents. 1916 prices for soap, to produce lather with 1,000 gallons)	17.0 cts.	67.0 cts.
2. Softening Water—		
No. lbs. 90% lime needed for 1,000 gals.	0.071	0.441
No. lbs. 95% soda ash needed for 1,000 gals.	None	None
3. Foaming Coefficient (F=2.7 Na + 2.K) from to Sodium and Potassium	9.7	33.8
4. Coefficient of corrosion in boiler tubes, etc., due to Aluminum, Magnesium and Iron content—not in form of Carbonates—C=	—0.155	—0.815
5. Coefficient of corrosion, .0503 Ca=	—0.0146 (Non-corrosive)	+0.04 (Semi-corrosive)
6. Pounds of Scale formed on boiler tubes from 1,000 gals. of water	+0.121	+0.922
7. Pounds of Hard Scale formed on boiler tubes from 1,000 gals. of water	None	0.152
8. Coefficient of hardness	Not hard	0.15

TABLE III

Analysis of Bull Run Water Compared with other Streams of Oregon. Analyses U. S. Geological Survey, 1911-12.	Bull Run—1918	Siletz River	Sandy River	McKenzie River	Clackamas River	Willamette River	Deschutes River at Bend	Columbia River at Cascade Locks	John Day River at Dayville	Snake River	Owyhee River	Crooked River
Suspended matter	2.0	5.6	39.0	4.0	2.7	16.0	2.5	40.0	241.0	104.0	165.0	122.0
Colloidal matter—												
Silica (SiO_3)	5.1	9.4	16.0	17.0	19.0	15.0	24.0	14.0	33.0	26.0	31.0	34.0
	.03	.03	.07	.06	.05	.1	.04	.06	.06	.04	.13	.09
Iron and Aluminum Oxide	26.2	42.0	49.0	50.0	50.0	51.0	66.0	97.0	166.0	220.0	230.0	240.0
Total dissolved solids	2.5	4.5	4.6	4.4	5.3	5.3	5.1	17.0	22.0	33.0	26.0	26.0
Calcium (Ca)	.12	.9	1.3	1.1	1.4	1.4	1.6	3.9	11.0	9.6	6.4	11.0
Magnesium (Mg)	3.7	5.5	4.2	4.1	4.2	3.8	6.7	7.5	13.0	22.0	35.0	38.0
Sodium (Na)	.9	.7	.8	1.2	.8	.8	1.8	1.8	2.1	3.5	4.6	5.2
Potassium (K)	.0	.0	.0	.0	.0	.0	1.0	.0	.0	2.0	4.0	1.1
Carbonates (CO_3)	11.7	17.0	18.0	24.0	26.0	26.0	34.0	69.0	143.0	130.0	139.0	199.0
Bicarbonates (HCO_3)	3.2	4.6	7.2	3.8	3.9	3.7	3.6	12.0	8.9	3.5	3.5	17.0
Sulphates (SO_4)	2.0	4.2	1.7	1.3	1.7	1.9	1.2	3.2	2.2	17.0	13.0	11.0
Chlorine (Cl)	.13	1.6	.23	.18	.23	.36	.22	.48	.76	.6	.04	.42
Nitrates (NO_3)												

TABLE IV

SANITARY ANALYSIS OF BULL RUN WATER COMPARED WITH WILLAMETTE RIVER WATER TAKEN NEAR PORTLAND FLOURING MILLS BELOW CITY

	Bull Run	Willamette Below City
Reaction	Faintly alkaline	Alkaline
Free and saline ammonia	0.01	0.20
Albuminoid ammonia	0.02	0.12
Oxygen to oxidize organic matter	0.08	1.00
Total solid matter	36.00	283.00
Total hardness	10.00	26.00
Chlorine	2.00	45.00
Nitrogen as nitrates and nitrites	3.00	7.50

From a sanitary standpoint the bacteriological and biological character of the water is a better index to its purity than a chemical analysis. From the analyses of Table IV by the method of chemical analyses used a few years ago and still in use in some places, Bull Run water would be pronounced a perfect water for drinking purposes; whereas, Willamette River water would be considered very dangerous indeed.

By E. C. CALLAWAY, Chemist, Bureau of Health.

I also wish to again emphasize the fact that Bull Run water is not glacial and that the water is not the cause of any of the ills sometimes attributed to something in the water, or the lack of some mineral element. As a health resort Portland should stand above all others insofar as its water supply is concerned.

The watershed in the Bull Run Reserve is without doubt the best to be had and ample protection from fire and pollution should be carefully continued.

BULL RUN WATERSHED

TABLE SHOWING RUN-OFF BY YEARS—DISCHARGE IN SECOND FEET

	1918			1919			1920			1921			1922		
	Max.	Min.	Mean	Max.	Min.	Mean	Max.	Min.	Mean	Max.	Min.	Mean	Max.	Min.	Mean
January	3620	690	2000	5060	220	1230	9890	245	1310	11400	459	1610	1080	270	474
February	4700	423	1110	1880	360	744	750	176	948	8080	711	1920	752	256	453
March	1550	336	737	4380	485	1060	4280	176	765	7500	570	1660	1230	239	576
April	1360	485	803	2990	750	1300	4550	668	1190	4910	470	1430	2380	772	1090
May	1270	396	664	1940	548	840	1270	386	690	1800	548	1080	2550	1010	1570
June	382	135	234	674	191	338	694	224	415	759	316	460	.....	253	708
July	204	101	121	182	95	129	290	120	161	481	137	232	242	105	151
August	140	87	107	97	72	84.5	378	91	119	143	96	114	183	90	113
September	118	69	79.3	743	70	189	2400	93	798	531	85	182	285	100	134
October	1270	68	288	1160	159	348	2280	302	851	2910	114	464	940	95	243
November	3200	298	785	8240	420	2010	2580	194	859	14000	213	2470	2160	190	468
December	3410	294	908	3340	250	1070	6900	536	1550	6010	157	901	7900	212	1430
For Year	4700	68	651	8240	70	781	9890	91	756	14000	85	1030	7900	90	619

	1923			1924			1925			1926			1927		
	Max.	Min.	Mean	Max.	Min	Mean	Max.	Min.	Mean	Max.	Min.	Mean	Max.	Min.	Mean
January	17200	372	2790	4300	390	911	4720	660	2030	1550	336	767	4360	395	1085
February	630	180	356	3700	691	1420	5670	535	1750	7040	616	1800	7250	373	1570
March	1530	485	944	886	316	484	2020	465	821	1030	312	566	1880	556	829
April	1420	750	1040	1260	442	719	1980	610	951	622	166	341	1920	512	830
May	1530	485	873	476	145	286	1100	332	535	715	157	452	1320	680	923
June	1020	230	498	785	125	236	660	183	430	425	132	215	1450	277	576
July	1610	125	330	145	77	101	174	114	133	129	69	979	277	115	178
August	272	123	143	192	71	86.6	121	88	105	344	63	125	115	88	101
September	165	103	137	371	71	116	107	70	81.4	1670	110	384	4240	138	853
October	940	95	221	860	109	455	201	64	81.5	1980	352	772	4360	288	903
November	2160	190	571	2060	123	1810	1550	90	562	5210	268	979	10500	490	2450
December	7900	212	1470	8200	520	1200	5840	460	1210	2130	444	1060			
For Year	17200	95	781	8200	71	651	5840	64	718	7090	63	622			

BULL RUN CONDUITS

Mr. T. J. Maupin, inspector of pipe lines, reports that during the past year 18 leaks were found in Conduit No. 1. All were pit holes and were repaired by plugging. Only one leak was found in Conduit No. 2, and none in Conduit No. 3.

No movement was observed at Bull Run Hill.

POPULATION SUPPLIED

Based on the total number of services supplied by the Water Bureau, we estimate that there is a total population of 361,679 on the mains of the City. Of this number 6823 are located outside the City limits which would leave a total population of 354,856 as the population of the City as of November 30, 1927.

It is estimated that a total population of 45,757 is supplied by private water companies and districts outside the city boundaries. The total population, therefore, supplied by the Bull Run system is approximately 407,436.

WATER CONSUMPTION

Total number of places supplied, as per Water Bureau ledgers (not number of services)	83,842
Number actually in use November 30, 1927	77,885
Vacancies and shut-offs	5,957
Meters installed during the year (all sizes)	8,721
Average number of meters in use, past year	79,454
*Total consumption through metered services, gallons	8,745,360,580
*Total gallons per day through metered services	23,959,892

*Does not include water sold to outside companies and Water Districts, for which see separate table.

The completion of additional supply lines out of Reservoirs No. 5 and No. 6 to the distribution system has put the East Side High and Intermediate services in excellent condition to handle the heavy "peak" conditions of summer. With the construction of the proposed additional 24-inch line out of Reservoir No. 2 the entire East Side area will have ample supply capacity.

The installation of service meters has had an excellent effect in controlling excessive waste in the system. The per capita consumption for 1927 (system practically 100% metered) shows 97.5 gallons, as against 118.9 gallons for 1923 when 44.6% of the services were metered.

It is with keen regret that we note the death of Mr. E. J. Gray, for many years the General Foreman of the Bureau. He was a man who had the interests of the Department always at heart. He was capable and energetic and a man of wonderful judgment in handling the varied situations that arose in the construction, operation and maintenance of the distribution system.

Mr. Gray was succeeded by Mr. John Hamilton, formerly assistant to the General Foreman, and we feel sure that he will carry on the work in the same spirit of service which has characterized his former activities in the Bureau.

Respectfully submitted,

BEN S. MORROW, Chief Engineer.

WATER CONSUMPTION DATA OF WATER SOLD TO CONSUMERS OUTSIDE CITY, NOVEMBER 30, 1926, TO NOVEMBER 30, 1927

Consumers	Average Number of Services 1927	Total Consumption per Day in Gallons	Average Population Supplied Using 4.22 as Multiplier	Average Gallons per Day per Capita	Total Consumption Year 1927 Gallons	Per Cent of Total Outside Consumption
Barwell Park Water District	120	12,472	507	24.6	4,552,328	.86
Base Line Water Co.	27	8,109	114	71.4	2,959,836	.56
Beaumont Annex Water Co.	107	11,734	451	26.0	4,283,048	.82
Beaverton, City of (Discontinued 9-23-27)	.....	97,391	1,487	65.5	28,925,160	5.52
Bertha Water District	59	15,099	249	60.6	5,511,264	1.05
Boundary Acres Water Co.	146	13,462	617	21.8	4,913,612	.93
Calman Water Co.	36	3,000	152	19.9	1,095,072	.28
Capitol Highway Water District	144	24,784	607	40.8	9,046,312	1.72
Clackamas Water District †	.....	.....	.....	.....	1,498,244	.28
Columbia Water Co. ①	.....	.....	.....	.....	.....	.....
Community Acres Water Co.	313	60,889	461	46.1	22,224,576	4.23
Des Moines Water Works, Inc.	18	1,192	76	14.8	435,336	.08
East Mt. Tabor Water Co.	15	1,705	63	27.1	622,336	.12
East 67th St. Water Co.	18	2,875	75	38.3	1,049,444	.20
East. 72nd St. Water Co.	5	375	21	17.7	136,884	.03
Englewood Park Water Co.	161	21,098	679	31.0	7,700,660	1.46
Gilbert Water District	313	45,878	1,321	34.7	16,745,476	3.18
Green Hills Water Co.	10	2,769	42	65.9	1,010,548	.19
Gresham, City of	499	94,664	2,106	34.9	34,552,364	6.57
Hazelwood Mutual Water Co.	115	18,359	486	37.8	6,701,332	1.27
Home Water District	818	97,168	3,452	28.1	35,466,420	6.75
Interstate Auto & Camp Co. ②	.....	.....	.....	.....	.....	.....
Kelly Claim Water Co.	13	4,420	55	80.5	1,613,436	.31
Kendall Water & Improvement Co.	62	10,279	262	39.2	3,751,968	.74
Killingsworth Mutual Water Co.	80	23,575	338	69.8	8,604,992	1.60
Kilpatrick-Collins Water Co.	128	11,906	541	22.0	4,345,880	.83
King-Martin Water Co.	66	9,984	278	35.8	3,644,256	.69
Luther Place Water Co.	111	12,679	469	27.0	4,627,876	.88
Maplewood Water District	919	106,695	3,879	27.5	38,943,872	7.41
Milwaukie, City of	764	60,842	3,234	18.8	22,207,372	4.22

WATER CONSUMPTION DATA OF WATER SOLD TO CONSUMERS OUTSIDE CITY, NOVEMBER 30, 1926, TO NOVEMBER 30, 1927—Continued

Consumers	Average Number of Services 1927	Total Consumption per Day in Gallons	Average Population Supplied Using 4.22 as Multiplier	Average Gallons per Day per Capita	Total Consumption Year 1927 in Gallons	Per Cent of Total Outside Consumption
Mt. Scott Water Co.	8	1,617	34	47.8	590,172	.11
Mt. Zion Water Co.	18	6,271	76	82.6	2,288,880	.44
Mutual Water Co.	52	6,146	219	28.0	2,243,252	.43
Northrup Acres Water Co.	15	1,404	63	22.1	512,380	.10
Oak Lodge Water District	895	127,961	3,777	33.8	46,705,868	8.88
Oswego, City of	393	66,398	1,662	39.9	24,235,200	4.60
Palatine Hill Water District	98	46,259	413	112.0	16,884,604	3.21
Park Rose Water District	1,002	123,563	4,228	29.1	45,100,660	8.57
Parkview Water Co.	12	5,899	50	117.9	2,153,492	.41
P. E. P. Co., Bull Run	12	5,724	50	114.5	2,089,164	.40
Portland Auto Camp	30	5,447	126	43.2	1,988,184	.38
Portland Suburban Water District	323	27,426	1,364	20.1	10,010,484	1.90
Powell Valley Water District No. 2	115	16,233	486	33.4	5,924,908	1.11
Powell Valley Road Water District	890	124,809	3,755	33.2	45,555,444	8.67
Prescott Mutual Water Co.	77	10,890	325	33.5	3,974,872	.76
Road House	1	189	4	47.2	68,816	.00
Russellville Water Co.	203	16,499	856	19.2	6,022,148	1.14
Stanley Water District	96	12,288	405	30.3	4,485,008	.85
Strowbridge Estate (Darlington)	77	10,998	325	33.8	4,014,516	.76
Strowbridge Estate (Rochester Add.)	44	4,471	185	24.1	1,632,136	.32
Sylvan Water District	103	24,634	434	56.7	8,991,708	.72
Valley View Water District	7	697	29	24.0	254,320	.05
Van Ness Water Co.	41	1,928	174	11.1	703,868	.13
Villa Ave. & Base Line Water Co.	95	20,983	401	52.2	7,658,772	1.46
Wichita Mutual Water Assn.	95	11,869	401	29.6	4,332,416	.82
Total	9,769	1,454,046	42,518	34.2	525,591,176	100.00

①Not in operation.
②Not in operation.
†No data available except total Gallons consumption, used chiefly for settling back-filling.

WATER CONSUMPTION DATA (DOES NOT INCLUDE WATER SOLD TO OUTSIDE COMPANIES OR DISTRICTS), NOVEMBER 30, 1926, TO NOVEMBER 30, 1927

Districts	Average Number Services in Use	Total Consumption per Day in Gallons	Population Supplied *	Average Gallons per Day per Capita Through Services	Total Average Consumption per Day in Gallons as Shown by Dist. Meters	Average Gallons per Day per Capita for All Purposes
West Side—						
High Gravity	3,538*	1,850,907	15,496	119.44	2,215,578	142.98
Low Gravity	6,463	6,659,727	28,308	235.26	‡ 8,811,945	311.29
Intermediate S. Jefferson	473	90,500	2,072	43.68	129,307	62.41
Intermediate N. Jefferson	415	200,491	1,818	110.28	476,033	261.84
Council Crest Pump	145	32,209	635	† 50.72	61,073	96.03
Portland Heights Pump	733	246,375	3,211	† 76.73	451,949	140.75
Burlingame Standpipe	265	40,208	1,161	34.63	45,714	39.37
Linnton Pumps	100	13,816	438	31.54	17,848	40.75
Kings Heights Pump	212	69,459	929	74.77	73,957	79.61

* 4.38 used as multiplier.
‡ Linnton and Burlingame not included in West Side Low Gravity.
† Add Council Crest to Portland Heights for total Portland Heights Pump.
Total Services November 30, 1927=82,575. 82,575 X 4.38=361,679 Total Population Supplied November 30, 1927, exclusive of outside Districts and Companies.

WATER CONSUMPTION DATA (DOES NOT INCLUDE WATER SOLD TO OUTSIDE COMPANIES OR DISTRICTS), NOVEMBER 30, 1926, TO NOVEMBER 30, 1927—Continued

East Side—						
Intermediate Gravity	17,568	4,196,581	76,948	54.54	4,206,721	54.67
Low Gravity	9,618	3,369,412	42,127	79.98	3,799,186	90.18
Vernon Standpipe	19,701	3,571,429	86,290	41.39	8,301,907	96.21
High Gravity N. Division	10,946	2,129,079	47,943	44.41	3,383,290	70.57
High Gravity S. Division	9,406	1,409,056	41,198	34.20	1,990,284	48.31
Mt. Tabor Pump	314	80,643	1,375	58.65	153,979	111.98
Total	79,897	23,959,892	348,949	68.47	34,118,771	97.50
Excluding West and East Low Gravity	16,081	10,029,139	70,435	142.39	12,611,131	.....
Town of Gresham	63,816	13,930,753	279,514	.....	21,507,640	76.95
Powell Valley Water District No. 2	.....	94,664	.....	.....	.....	.....
P. E. P. Co., Bull Run, etc	.....	16,233	.....	.....	.....	.....
	.....	5,913	.....	.....	.....	.....

	Consumption in Gallons	
	Daily	Yearly
City of Portland—as shown by District Meters	34,118,771	12,453,351,415
Gresham, Powell Valley Water District No. 2, P. E. P. Co. Bull Run, etc.—from Conduits	116,809	42,635,252
Water Companies and Districts—Outside of City Limits	1,323,167	482,955,932
Total	35,558,747	12,978,942,599

BULL RUN CONDUITS

Conduit No. 1—Headworks to Mt. Tabor	Miles	Total Miles
42-inch Steel, Riveted	10.022	
35-inch Steel, Riveted	7.772	
33-inch Steel, Riveted	6.505	
		24.299
Conduit No. 2—Headworks to Mt. Tabor	**Miles**	**Total Miles**
52-inch Steel, Lock Bar	10.018	
44-inch Steel, Lock Bar	14.742	
		24.760
Conduit No. 3—Headworks to Mt. Tabor	**Miles**	**Total Miles**
58-inch Steel, Lock Bar	9.954	
50-inch Steel, Lock Bar	15.055	
		25.009
Mt. Tabor to City Park	**Miles**	**Total Miles**
24-inch Steel, Submerged	0.387	
30-inch Steel, Submerged	0.387	
		0.774
32-inch Cast Iron, Shore Connections	6.020	
30-inch Cast Iron, Shore Connections	0.437	
		6.457
Grand Total		81.299

PIPE EXTENSIONS COMPLETED DURING THE FISCAL YEAR ENDING NOVEMBER 30, 1927

(By Department Forces)

Size Inches	Cast Iron	Wood	Steel Galv.	Steel Black	Total Miles
20	0.359				0.359
16	3.712				3.712
12	3.403			0.455	3.858
8	24.529				24.529
6	2.772				2.772
4	0.885				0.885
Total 4" and over	35.660			0.455	36.115
2			8.866		8.866
1½			0.034		0.034
1			0.153		0.153
Total under 4"			9.053		9.053
Total all sizes	35.660		9.053	0.455	45.168

PIPE ACQUIRED BY PURCHASE DURING THE FISCAL YEAR ENDING NOVEMBER 30, 1927

Street	Size, Inches	Kind	Length, Feet
E. 21st St., Ridgewood Ave. to The Alameda	4	C. I.	275
E. 20th St., Ridgewood Ave. to The Alameda	4	C. I.	275
The Alameda, E. 19th St. to E. 21st St	6	C. I.	512

SUMMARY

Size, Inches	Cast Iron	Wood	Steel Galv.	Steel Black	Total Miles
6	0.097				0.097
4	0.104				0.104
Totals	0.201				0.201

PIPE EXTENSIONS LAID OR ACQUIRED DURING FISCAL YEAR ENDING NOVEMBER 30, 1927

TOTALS

Size, Inches	Cast Iron	Wood	Steel Galv.	Steel Black	Total Miles
20	0.359				0.359
16	3.712				3.712
12	3.403			0.455	3.858
8	24.529				24.529
6	2.869				2.869
4	0.989				0.989
Total 4" and over	35.861			0.455	36.316
2			8.866		8.866
1½			0.034		0.034
1			0.153		0.153
Total under 4"			9.053		9.053
Total all sizes	35.861		9.053	0.455	45.369

PIPE REMOVED OR ABANDONED DURNIG THE FISCAL YEAR ENDING NOVEMBER 30, 1927

Size, Inches	Cast Iron	Wood	Steel Galv.	Steel Black	Total Miles
0				0.426	0.426
4	0.019			0.810	0.829
12	0.064				0.064
8	1.316				1.316
6	1.563	0.062		0.537	2.162
4	1.529	0.603		0.341	2.473
3				0.167	0.167
2½				0.093	0.093
2		0.362	15.850		16.212
1½			1.301		1.301
1¼			0.586		0.586
1			3.043		3.043
¾			1.013		1.013
½			0.162		0.162
Totals	4.491	1.027	21.955	2.374	29.847

SUMMARY OF WATER MAINS IN USE NOVEMBER 30, 1927
OWNED BY CITY

Size Inches	Cast Iron	Wood	Steel Galv.	Steel Black	Total Miles
48				0.231	0.231
40				4.224	4.224
36				0.033	0.033
32	5.640				5.640
30	10.778			4.358	15.136
24	15.071	1.039		4.896	21.006
20	12.027			0.422	12.449
18	0.514			0.917	1.431
16	33.771			0.004	33.775
14	8.209				8.209
12	77.198	1.289		1.932	80.419
10	16.810			1.970	18.780
8	383.979	0.376		0.233	384.588
6	162.604			1.030	163.634
4	47.707	0.775		0.765	49.247
Total 4" and over	774.308	3.479		21.015	798.802
3½			0.111		0.111
3		1.088	1.750	0.044	2.802
2½				2.194	2.194
2		3.581	158.678		162.259
1½			44.403		44.403
1¼			15.437		15.437
1			54.475		54.475
¾			18.533		18.533
⅝			0.032		0.032
½			12.180		12.180
Total under 4"		4.589	305.599	2.238	312.426
Total all sizes	774.308	8.068	305.599	23.253	1,111.228

SUMMARY OF WATER MAINS IN USE NOVEMBER 30, 1927
NOT OWNED BY CITY

Sizes Inches	Cast Iron	Wood	Steel Galv.	Steel Black	Total Miles
12	0.023				0.023
8	6.278				6.278
6	12.122	0.103			12.225
4	2.304				2.304
Total 4" and over	20.727	0.103			20.830
3		0.513	0.335	0.522	1.370
2			15.050		15.050
1½			2.528		2.528
1¼			1.926		1.926
1			3.381		3.381
¾			0.646		0.646
½			0.028		0.028
Total under 4"		0.513	23.894	0.522	24.929
Total all sizes	20.727	0.616	23.894	0.522	45.759

STATISTICS RELATING TO DISTRIBUTION SYSTEM

1. Kind of pipe: Cast iron, steel and wood.
2. Sizes: From ½-inch to 48-inch.
3. Extended:
   - 4 inches and over in diameter, miles 36.316
   - Under 4 inches in diameter, miles 9.053
   - Total, miles 45.369
4. Discontinued, miles 29.847
5. Total now in use, miles 1,111.228
6. Cost of repairs per mile for 4-inch and larger $9.75
7. Number of leaks per mile for 4-inch and larger ..... .35
8. Length of pipe, less than 4 inches in diameter, miles 312.426
9. Number of hydrants added during the year (public and private) 230
   - Number added on mains owned by City 230
   - Number added on mains laid by private parties under City supervision, not yet taken over by City 0
   - Total 230
10. Number of hydrants (public and private) now in use (10 removed) 6,200
11. Number of stop gates added during the year 563
    - Number added on mains owned by City 563
    - Number added on mains laid by private parties, under City supervision, not yet taken over by City 0
    - Total 563
12. Number of stop gates now in use (125 removed) 11,809
13. Number of stop gates smaller than 4 inches in diameter 3,883
14. Number of blow-offs 582
15. Range of pressure on mains, pounds ..... 20 to 125

SERVICES

16. Kind of pipe: Galvanized iron.
17. Sizes: ½-in., ¾-in., 1-in., 1¼-in., 1½-in., 2-in. and 3-in.
18. Extended, feet .....
19. Discontinued, feet .....
20. Total mains in use, feet .....
21. Number of service taps added during the year .....
22. Number of services connected, total 83,842
23. Average length of service, feet .....
24. Average cost of service for the year (installation) .....
25. Number of meters added during the past year 8,721
26. Total meters now in use (including privately owned) 82,998
27. Percentage of all services metered 99%
28. Percentage of receipts from metered water .....
29. Number of motors and elevators added .....
30. Number now in use .....

STATISTICS ON CONSUMPTION OF WATER

(*Inside City Limits)

1.	Total population of City (November 30, 1927)	361,679
2.	Consumption for the year, gallons	12,453,351,415
3.	Passed through meters, gallons	8,745,360,580
4.	Percentage of consumption metered	100%
5.	Average daily consumption, gallons	34,118,771
6.	Gallons per day to each inhabitant	97.50
7.	Gallons per day to each tap	.....

*Includes approximately 1,560 services outside of City but paying direct to Water Bureau.

(Outside of City Limits)

(From 59 water companies and districts, 4 of which obtain water through resale.)

8.	Estimated population supplied	45,757
9.	Consumption for the year, gallons	525,591,176
10.	Average daily consumption, gallons	1,454,046
11.	Gallons per day to each inhabitant	31.78
12.	Gallons per day to each tap	134.1
13.	Percentage of total consumption, outside City	4%

SUMMARY

14.	Total estimated population supplied	407,436
15.	Total consumption for the year, gallons	12,978,942,599
16.	Total average daily consumption, gallons	35,558,747

BUREAU OF HEALTH

Portland, Oregon, January 1, 1928.

HONORABLE JOHN M. MANN, COMMISSIONER OF PUBLIC UTILITIES:

Dear Sir: I have the honor to submit herewith the annual report of the Health Bureau and its subdivisions for the year ending December 31, 1927.

The recent decision of the State Supreme Court upholding our new milk ordinance has swept away all opposition and will be a great help in further improving Portland's milk supply.

The Isolation Hospital is in need of more rooms. When the building was erected a few years ago, it was provided with five large wards and one small ward with approximately seventy beds. Two cases of smallpox, male and female; two of diphtheria, male and female, and two of scarlet fever, male and female, would fill the house if a case of any other disease came along, and yet there would be sixty empty beds. When I took charge, I had two of the larger wards cut in two with partitions and made eight wards. This did very well until St. Vincent's Hospital closed its contagious disease sanitarium, but now there is a pressing need for more small wards. We should have at least eight more within the next year. I recommend that this item be included in our budget for 1929.

I wish to express my hearty appreciation for the co-operation extended me by yourself and the Council and also to the members of the bureau for their efficiency and loyalty.

Respectfully submitted,

JOHN G. ABELE, M. D., CITY HEALTH OFFICER.

ANNUAL REPORT BUREAU OF HEALTH FOR 1927

The prevalence of epidemic diseases in Portland during 1927 showed but very little variation from 1926. The only noticeable change was a slight decrease in typhoid fever, a considerable decrease in scarlet fever and diphtheria, and a twenty-five per cent increase in deaths from influenza and tuberculosis.

The death rate from diphtheria for the year in the whole United States as reported by the Surgeon-General was the lowest ever recorded. This happy result is attributed to the increased use of antitoxin and toxin antitoxin. Our own decrease in deaths from this cause from 24 in 1926 to 12 in 1927, we believe was due to some extent to the active campaign of the School Division to eradicate this dread disease by the sure and safe means of immunization by toxin anti-toxin.

The death rate for all causes for the calendar year 1926 in twenty-eight states was 12.1 per thousand; the Portland death rate for that year was 10.7.

Our rate of 10.6 for 1927 will undoubtedly be equally favorable when

compared with the national average which varies but little from year to year and was considered very satisfactory in 1926 when the rate was 12.1 per thousand.

The infant mortality rate (death of infants under one year of age per thousand births) is considered an important index of the efficiency of health work. The rate for twenty-eight states in the registration area for 1926 was 72.8. This rate was considered favorable and had been reduced gradually in this area from 100 per thousand, which was the average rate about ten years previous, or about 1915. The Portland rate in this year (1926) was 39, which was the lowest rate for the year in any city of over 100,000 in the United States. This was, we believe, the lowest rate ever credited to an American city of over 100,000. The rate for 1927 of 46.2 per thousand is low and seldom attained by cities in our class. Many factors contribute to this low baby death rate among which may be mentioned a nationally known safe milk supply, the purest and most palatable domestic water supply, a climate free to a great extent from extremes of heat or cold, and a general standard of satisfactory housing and comfort enjoyed by few cities.

The present year 1928 will be the tenth that all food handlers in commercial establishments have been required to obtain health cards. These examinations are made by physicians of the Health Bureau staff. Over 24,000 cards were issued in 1927. All food establishments in the city obtain and operate under license approved by the Health Bureau. This ruling permits us to require a satisfactory standard of arrangement, equipment and sanitation.

Housing conditions are receiving the attention of two inspectors who are enforcing the housing code which became effective in 1919. The code required many changes in old buildings and has been our authority for maintaining a better housing standard.

Rodent control work in the city has been carried on by means of cyanide gas and poisoning. A weekly inspection has been maintained on the docks of the port. Attention has been given to ships working cargo. Rat guards are required to be in place. During the summer high water, much bait was placed along Front Street and under docks where the rats pass on their way uptown from their flooded regular haunts. Particular attention is given to ratproofing of storage places on Front and Yamhill Streets.

CAUSES OF DEATH 1927

Total Deaths...3552 Male...1956 Female...1596 Rate per 1,000 per annum..10.6

Causes of Death	Total	Sex		Color						Nativity			
		Male	Female	White	Black	Indian	Chinese	Japanese	Others	Oregon	U. S.	Foreign	Unknown
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES													
Typhoid Fever	6	1	5	6	....	....	....	....	....	3	3	....	....
Paratyphoid Fever	1	1	....	....	1	....	....	....	....	....	1	....	....
Measles	5	3	2	5	....	....	....	....	....	2	3	....	....
Scarlet Fever	2	1	1	....	2	....	....	....	....	1	1	....	....
Whooping-cough	10	6	4	8	1	....	1	....	....	10	....	....	....
Diphtheria	12	3	9	12	....	....	....	....	....	7	4	1	....
Influenza; with pulmonary complications	28	18	10	27	1	....	....	....	....	11	10	6	1
Influenza; without pulmonary complications	22	11	11	22	....	....	....	....	....	3	16	3	....
Erysipelas	13	7	6	13	....	....	....	....	....	6	2	4	1
Acute anterior poliomyelitis	21	10	11	21	....	....	....	....	....	14	5	2	....
Lethargic encephalitis	13	6	7	13	....	....	....	....	....	4	5	4	....
Meningococcus meniugitis	15	10	5	14	....	....	....	1	....	10	4	....	1
Tetanus	1	....	1	1	....	....	....	....	....	....	....	1	....
Tuberculosis of the respiratory system	116	65	51	97	2	3	13	1	....	24	56	35	1
Tuberculosis; meninges and central nervous system	22	15	7	13	2	1	1	5	....	12	8	2	....
Tuberculosis; intestines and peritoneum	16	9	7	15	1	....	....	....	....	3	9	4	....
Tuberculosis of the vertebral column	3	1	2	3	....	....	....	....	....	1	1	1	....
Tuberculosis of the joints	2	1	1	2	....	....	....	....	....	1	....	1	....
Tuberculosis of the genitourinary system	6	5	1	6	....	....	....	....	....	1	4	1	....
Tuberculosis; organs other than the above	2	2	....	2	....	....	....	....	....	1	1	....	....
Disseminated tuberculosis; acute	4	3	1	4	....	....	....	....	....	1	1	2	....
Disseminated tuberculosis; chronic	3	2	1	3	....	....	....	....	....	....	2	1	....
Syphilis	36	30	6	32	2	....	2	....	....	5	16	12	3
Purulent infection, septicemia	16	10	6	16	....	....	....	....	....	10	3	3	....
II. GENERAL DISEASES NOT INCLUDED IN CLASS I													
Cancer of the buccal cavity	11	9	2	10	....	....	1	....	....	....	8	3	....
Cancer of the stomach, liver	148	93	55	145	....	....	1	2	....	16	72	57	3
Cancer; peritoneum, intestines, rectum	75	39	36	74	1	....	....	....	....	7	40	27	1
Cancer of the female genital organs	48	....	48	48	....	....	....	....	....	9	27	12	....
Cancer of the breast	43	1	42	43	....	....	....	....	....	4	27	11	....
Cancer of the skin	5	2	3	5	....	....	....	....	....	....	5	....	....
Cancer of other or unspecified organs	121	77	44	118	3	....	....	....	....	8	67	42	4
Benign tumors, not malignant	5	3	2	5	....	....	....	....	....	1	1	3	....
Acute rheumatic fever	6	6	....	5	....	....	....	....	1	1	2	3	....
Chronic rheumatism, osteoarthritis, gout	3	1	2	3	....	....	....	....	....	....	2	1	....
Rickets	1	1	....	1	....	....	....	....	....	1	....	....	....
Diabetes mellitus	75	31	44	72	1	....	2	....	....	17	38	20	....
Pernicious anemia	21	9	12	21	....	....	....	....	....	2	10	9	....
Other anemias and chlorosis	3	3	....	3	....	....	....	....	....	1	2	....	....
Diseases of thrynid gland; exophthalmic goiter	24	4	20	24	....	....	....	....	....	4	15	5	....

CAUSES OF DEATH 1927—Continued

Causes of Death	Total	Sex		Color						Nativity			
		Male	Female	White	Black	Indian	Chinese	Japanese	Others	Oregon	U. S.	Foreign	Unknown
Other diseases of the thyroid gland	10	2	8	10	....	....	....	....	....	2	5	3	....
Diseases of the thymus gland	8	5	3	8	....	....	....	....	....	7	....	1	....
Diseases of the adrenals (Addison's disease)	1	....	1	1	....	....	....	....	....	....	1	....	....
Diseases of the spleen	1	1	....	1	....	....	....	....	....	....	....	1	....
Leukemia	15	6	9	15	....	....	....	....	....	4	9	2	....
Hodgkin's disease	3	2	1	3	....	....	....	....	....	2	1	....	....
Alcoholism (acute or chronic)	9	8	1	9	....	....	....	....	....	2	1	1	5
Chronic poisoning by organic substances	2	2	....	1	....	....	1	....	....	....	2	....	....
Other general diseases; diabetes insipidus, purpura hemorrhage	5	4	1	5	....	....	....	....	....	2	2	1	....
III. DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE													
Encephalitis	8	5	3	8	....	....	....	....	....	1	4	3	....
Meningitis; simple, non-epidemic cerebrospinal	28	18	10	28	....	....	....	....	....	13	12	3	....
Tabes dorsalis (locomotor ataxia)	6	5	1	5	....	....	1	....	....	....	4	2	....
Diseases of the spinal cord; chronic spinal muscular atrophy	14	7	7	14	....	....	....	....	....	5	7	2	....
Cerebral hemorrhage	245	114	131	243	....	....	2	....	....	19	142	81	3
Cerebral embolism and thrombosis	22	12	10	22	....	....	....	....	....	4	15	3	....
Paralysis without specified cause; hemiplegia	14	6	8	14	....	....	....	....	....	....	8	6	....
Paralysis without specified cause; others	4	....	4	4	....	....	....	....	....	1	2	1	....
General paralysis of the insane	2	2	....	2	....	....	....	....	....	....	1	1	....
Other forms of mental alienation	3	....	3	3	....	....	....	....	....	1	2	....	....
Epilepsy	1	....	1	1	....	....	....	....	....	1	....	....	....
Infantile convulsions	2	1	1	1	....	....	....	1	....	2	....	....	....
Neuralgia and neuritis	2	1	1	2	....	....	....	....	....	....	2	....	....
Softening of the brain	2	1	1	2	....	....	....	....	....	....	1	1	....
Other diseases of the nervous system	27	19	8	27	....	....	....	....	....	....	16	10	1
Diseases of ear and mastoid process	8	3	5	8	....	....	....	....	....	5	3	....	....
IV. DISEASES OF THE CIRCULATORY SYSTEM													
Pericarditis (acute or chronic)	4	4	....	4	....	....	....	....	....	1	2	1	....
Endocarditis and myocarditis (acute)	31	18	13	31	....	....	....	....	....	6	18	7	....
Angina Pectoris	47	22	25	47	....	....	....	....	....	5	31	9	2
Other diseases of the heart	565	292	273	558	3	....	4	....	....	51	317	186	8
Diseases of the arteries; aneurysm	17	13	4	17	....	....	....	....	....	2	9	5	1
Diseases of the arteries; arteriosclerosis	74	51	23	72	....	....	1	1	....	1	51	20	2
Other diseases of the arteries	11	8	3	10	1	....	....	....	....	2	8	1	....
Embolism and thrombosis (not cerebral)	68	51	17	68	....	....	....	....	....	3	41	20	4
Diseases of the veins (varices, hemorrhoids, phlebitis)	1	....	1	1	....	....	....	....	....	....	1	....	....
Diseases of the lymphatic system	1	....	1	1	....	....	....	....	....	....	....	1	....
Hemorrhage without specified cause	1	1	....	1	....	....	....	....	....	1	....	....	....

CAUSES OF DEATH 1927—Continued

Causes of Death	Total	Sex		Color						Nativity			
		Male	Female	White	Black	Indian	Chinese	Japanese	Others	Oregon	U. S.	Foreign	Unknown
V. DISEASES OF THE RESPIRATORY SYSTEM													
Diseases of nasal fossae and annexa	2	1	1	2	....	....	....	....	....	2	....	....	....
Diseases of the larynx	2	1	1	2	....	....	....	....	....	1	1	....	....
Bronchitis; acute	2	2	....	2	....	....	....	....	....	2	....	....	....
Bronchitis; chronic	8	5	3	8	....	....	....	....	....	....	5	3	....
Bronchitis; unspecified, under 5 years of age	2	....	2	2	....	....	....	....	....	2	....	....	....
Bronchitis; unspecified, 5 years and over	3	2	1	3	....	....	....	....	....	....	2	1	....
Bronchopneumonia	113	63	50	111	....	....	....	2	....	35	42	31	5
Pneumonia; lobar	125	68	57	121	3	....	....	....	1	23	64	31	7
Pneumonia; unspecified	11	7	4	11	....	....	....	....	....	3	5	2	1
Pleurisy	9	6	3	7	....	....	1	1	....	5	2	2	....
Congestion and hemorrhagic infarct of the lung	9	3	6	9	....	....	....	....	....	1	6	2	....
Asthma	7	5	2	7	....	....	....	....	....	....	5	2	....
Pulmonary emphysema	1	1	....	1	....	....	....	....	....	....	1	....	....
Chronic interstitial pneumonia	2	1	1	2	....	....	....	....	....	....	....	2	....
Diseases of the mediastinum	1	1	....	1	....	....	....	....	....	....	1	....	....
Other diseases under this title	4	1	3	4	....	....	....	....	....	1	3	....	....
VI. DISEASES OF THE DIGESTIVE SYSTEM													
Diseases of the mouth and annexa	2	2	....	2	....	....	....	....	....	1	....	1	....
Diseases of the pharynx and tonsils	5	5	....	5	....	....	....	....	....	1	3	1	....
Ulcer of the stomach	14	9	5	14	....	....	....	....	....	2	8	4	....
Ulcer of the duodenum	16	15	1	16	....	....	....	....	....	1	11	4	....
Other diseases of the stomach	9	4	5	8	1	....	....	....	....	....	7	2	....
Diarrhea and enteritis (under 2 years of age)	6	3	3	6	....	....	....	....	....	4	2	....	....
Diarrhea and enteritis (2 years and over)	11	4	7	10	....	....	1	....	....	4	6	1	....
Appendicitis and typhilitis	45	31	14	43	1	....	....	1	....	14	22	9	....
Hernia	11	8	3	11	....	....	....	....	....	8	3	....	....
Intestinal obstruction	28	11	17	28	....	....	....	....	....	5	19	4	....
Other diseases of the intestines	6	3	3	6	....	....	....	....	....	2	3	1	....
Acute yellow atrophy of the liver	3	2	1	3	....	....	....	....	....	1	1	1	....
Cirrhosis of liver; not alcoholic	12	6	6	12	....	....	....	....	....	....	5	7	....
Biliary calculi	6	4	2	6	....	....	....	....	....	....	3	3	....
Other diseases of the liver	26	10	16	25	1	....	....	....	....	3	18	5	....
Diseases of the pancreas	5	5	....	5	....	....	....	....	....	1	2	1	1
Peritonitis without specified cause	10	4	6	10	....	....	....	....	....	2	5	3	....
VII. NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ANNEXA													
Acute nephritis (unspecified, under 10 years)	11	7	4	11	....	....	....	....	....	3	7	1	....
Chronic nephritis (unspecified, 10 years and over)	262	147	115	254	4	....	4	....	....	28	145	83	6
Other diseases of the kidneys and annexa	8	2	6	8	....	....	....	....	....	....	7	1	....
Calculi of the urinary passages	4	3	1	4	....	....	....	....	....	....	2	2	....
Diseases of the bladder	2	2	....	2	....	....	....	....	....	....	1	1	....
Diseases of the prostate	20	20	....	20	....	....	....	....	....	1	12	7	....

CAUSES OF DEATH 1927—Continued

Causes of Death	Total	Sex		Color						Nativity			
		Male	Female	White	Black	Indian	Chinese	Japanese	Others	Oregon	U. S.	Foreign	Unknown
Cysts and other benign tumors of the ovary	4	....	4	4	....	....	....	....	....	1	3	....	....
Salpingitis and pelvic abscess (female)	3	....	3	3	....	....	....	....	....	1	2	....	....
Benign tumors of the uterus	1	....	1	1	....	....	....	....	....	....	1	....	....
Other diseases of the female genital organs	1	....	1	1	....	....	....	....	....	....	1	....	....
VIII. THE PUERPERAL STATE													
Accidents of pregnancy; abortion	4	....	4	3	1	....	....	....	....	....	4	....	....
Accidents of pregnancy; ectopic gestation	1	....	1	1	....	....	....	....	....	....	1	....	....
Accidents of pregnancy; others under this title	6	....	6	6	....	....	....	....	....	3	3	....	....
Puerperal hemorrhage	1	....	1	1	....	....	....	....	....	....	....	1	....
Other accidents of labor	4	....	4	3	....	....	....	1	....	2	1	1	....
Puerperal septicemia	2	....	2	2	....	....	....	....	....	1	1	....	....
Puerperal phlegmasia alba dolens, etc	1	....	1	1	....	....	....	....	....	....	1	....	....
Puerperal albuminuria and convulsions	3	....	3	3	....	....	....	....	....	1	1	....	1
IX. DISEASES OF THE SKIN AND CELLULAR TISSUE													
Gangrene	4	1	3	4	....	....	....	....	....	2	....	2	....
Furuncle	3	3	....	2	....	....	....	....	1	....	2	1	....
Acute abscess	1	1	....	1	....	....	....	....	....	....	....	1	....
Other diseases of the skin and annexa	1	1	....	1	....	....	....	....	....	....	1	....	....
X. DISEASES OF THE BONES AND ORGANS OF LOCOMOTION													
Diseases of bones, tuberculosis excepted	4	3	1	4	....	....	....	....	....	1	3	....	....
XI. MALFORMATIONS													
Congenital hydrocephalus	6	3	3	6	....	....	....	....	....	5	1	....	....
Congenital malformations of the heart	16	8	8	16	....	....	....	....	....	15	1	....	....
Congenital malformations; spina bifida, etc	13	7	6	13	....	....	....	....	....	13	....	....	....
XII. EARLY INFANCY													
Congenital debility, icterus and sclerema	6	5	1	6	....	....	....	....	....	6	....	....	....
Premature birth and injury at birth	83	43	40	75	2	....	....	4	2	82	1	....	....
Other diseases peculiar to early infancy	7	5	2	7	....	....	....	....	....	7	....	....	....
XIII. OLD AGE													
Senility	32	7	25	32	....	....	....	....	....	....	19	13	....
XIV. EXTERNAL CAUSES													
Suicide by solid or liquid poisons	5	4	1	5	....	....	....	....	....	....	3	....	2
Suicide by corrosive substances	14	6	8	14	....	....	....	....	....	1	13	....	....
Suicide by poisonous gas	16	15	1	16	....	....	....	....	....	....	4	4	8

CAUSES OF DEATH 1927—Continued

Causes of Death	Total	Sex		Color						Nativity			
		Male	Female	White	Black	Indian	Chinese	Japanese	Others	Oregon	U. S.	Foreign	Unknown
Suicide by hanging or strangulation	6	6	....	6	....	....	....	....	....	....	2	2	2
Suicide by drowning	10	10	....	10	....	....	....	....	....	....	4	3	3
Suicide by firearms	11	11	....	11	....	....	....	....	....	1	4	3	3
Suicide by cutting or piercing instruments	6	5	1	6	....	....	....	....	....	....	3	1	2
Suicide by jumping from high places	1	....	1	1	....	....	....	....	....	....	1	....	....
Other acute accidental poisonings	2	1	1	2	....	....	....	....	....	1	....	....	1
Accidental burns (conflagration excepted)	9	4	5	9	....	....	....	....	....	4	4	1	....
Accidental absorption irrespirable irritating or poisonous gases	6	5	1	6	....	....	....	....	....	....	5	1	....
Accidental drowning	16	12	4	15	....	....	....	1	....	5	5	6	....
Accidental traumatism by firearms	8	7	1	8	....	....	....	....	....	3	3	1	1
Accidental traumatism by cutting instruments	1	....	1	1	....	....	....	....	....	1	....	....	....
Accidental traumatism by fall	41	30	11	39	....	....	1	1	....	5	21	10	5
Accidental traumatism by machines	16	16	....	16	....	....	....	....	....	5	7	4	....
Railroad accidents	4	4	....	4	....	....	....	....	....	....	2	2	....
Street car accidents	7	5	2	7	....	....	....	....	....	1	3	2	1
Automobile accidents, in city	46	26	20	46	....	....	....	....	....	8	23	15	....
Auto accident outside city, death in city	15	13	2	15	....	....	....	....	....	8	7	....	....
Motorcycle accidents	1	....	1	1	....	....	....	....	....	....	....	1	....
Injuries by other vehicles	1	1	....	1	....	....	....	....	....	1	....	....	....
Landslides, other crushing	9	9	....	9	....	....	....	....	....	3	4	2	....
Injuries by animals	1	1	....	1	....	....	....	....	....	....	....	1	....
Accidental electrical shocks	6	5	1	6	....	....	....	....	....	1	4	1	....
Homicide by firearms	5	3	2	5	....	....	....	....	....	2	1	1	1
Homicide by cutting or piercing instruments	1	1	....	....	....	....	1	....	....	1	....	....	....
Homicide by other means	3	2	1	2	....	....	....	1	....	1	1	1	....
Fracture, cause not specified	28	9	19	28	....	....	....	....	....	3	16	9	....
Other external violence	1	1	....	1	....	....	....	....	....	1	....	....	....
Totals	3552	1956	1596	3450	32	4	38	23	5	687	1813	960	92

AGES OF DECEDENTS—YEARS

Under 1	1	2	3	4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 to 99	Over 100	Unknown	Total
221	30	17	14	19	72	45	59	82	106	120	155	163	187	265	253	342	389	378	297	195	97	29	12	1	2	3552

DEATHS BY MONTHS

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
329	373	300	318	297	263	289	246	241	278	303	315	3552

TOTAL DEATHS, ALL CAUSES, 1915 TO 1927, INCLUSIVE, AND NUMBER OF DEATHS EACH YEAR FROM PRINCIPAL EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.

Year	Total Deaths	Typhoid Fever	Smallpox	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Influenza	Tuberculosis
1915	2,283	14	1	4	1	5	23	11	230
1916	2,367	14	0	2	2	8	7	35	232
1917	2,427	16	0	19	5	3	10	7	200
1918	3,540	18	0	24	5	16	12	658	246
1919	3,582	11	0	0	4	1	22	694	204
1920	3,193	8	2	11	3	19	16	137	175
1921	2,843	8	1	6	3	8	51	9	129
1922	3,188	9	1	1	4	9	24	102	148
1923	3,055	6	0	2	1	12	31	53	206
1924	3,201	17	0	11	6	2	31	4	157
1925	3,325	6	0	0	3	17	38	10	174
1926	3,377	8	0	4	6	4	24	32	156
1927	3,552	7	0	5	2	10	12	50	174

DEATHS IN CHILDREN UNDER ONE YEAR, 1927

Total Deaths.....221 Death Rate per 1,000 Births.....46.2

Causes of Death	Total	Male	Female	Under 1 hour	1 to 24 hours	1 to 6 days	7 to 31 days	Months									
								1	2	3	4	5	6	7	8	9	10	11
Whooping cough	4	3	1	...	...	...	1	1	...	1	1	...	...	...	...	...	...	...
Influenza	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Erysipelas	5	2	3	...	...	...	1	2	...	1	...	...	...	...	...	...	1	...
Meningococcus meningitis	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Tuberculosis of the meninges and central nervous system	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Syphilis	1	1	...	...	...	...	1	...	...	...	...	1	...	...	...	1	1	...
Purulent infection, septicemia	2	1	1	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...
Benign tumors	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Rickets	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Diseases of the thymus gland	5	4	1	...	1	...	...	1	1	1	...	1	...	...	...	...	...	...
Leukemia	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Other general diseases	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis	5	3	2	...	...	1	2	...	1	...	...	1	...	1	1	...	...	...
Cerebral hemorrhage	3	3	...	...	...	2	...	1	...	...	...	...	1	...	...	...	...	...
Paralysis without specified cause	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Infantile convulsions	2	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
Other diseases of nervous system	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Diseases of ear and mastoid process	2	1	1	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
Pericarditis (acute or chronic)	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Endocarditis and myocarditis (acute)	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Other diseases of the heart	1	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Hemorrhage without specified cause	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Bronchitis; acute	1	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Bronchitis; unspecified, under 5 years	2	...	2	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Bronchopneumonia	18	12	6	...	1	...	1	4	5	3	...	1	1	...	1	...	...	1
Pneumonia; lobar	9	6	3	...	...	...	...	1	1	3	1	1	1	...	1	...	...	...
Pleurisy	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Congestion and hemorrhagic infarct of the lung	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Diarrhea and enteritis (under 2 years)	4	2	2	...	...	...	1	...	1	...	...	1	1	...	...	...	...	...
Appendicitis and typhilitis	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Intestinal obstruction	4	3	1	...	...	...	1	...	1	...	1	...	...	...	...	...	...	1
Other diseases of the intestines	2	2	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...
Acute yellow atrophy of liver	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Peritonitis	2	1	1	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...
Acute nephritis	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Other diseases of kidneys and annexa	1	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Diseases of bones, tuberculosis excepted	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Congenital malformations	1	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Malformations of the heart	17	9	8	1	3	6	2	2	2	...	1	...	...	...	...	...	...	...
Spina bifida	12	7	5	...	1	2	4	...	3	...	2	...	...	...	...	...	...	...
Congenital debility	4	3	1	...	2	2	...	...	...	...	...	...	...	...	...	...	...	...
Premature birth	72	37	35	3	39	25	4	1	...	...	...	...	...	...	...	...	...	...
Injury at birth	11	7	4	3	5	2	...	...	...	...	...	...	...	...	...	...	...	...
Diseases peculiar to early infancy	7	5	2	...	4	1	2	...	...	...	...	...	...	...	1	...	...	...
Accidental traumatism (crushing)	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Homicide by firearms	1	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Totals	221	131	90	7	58	46	24	15	18	10	10	6	7	5	3	3	2	7

BIRTHS—1927

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Total	405	379	405	404	412	399	465	438	360	385	364	370	4,786
Male	214	193	203	207	249	224	247	233	202	212	185	187	2,556
Female	191	186	202	197	163	175	218	205	158	173	179	183	2,230
White	393	362	389	388	391	392	454	438	352	374	357	361	4,651
Black	2	2	2	1	4	.....	2	3	1	1	.....	1	19
Indian	.....	.....	3	.....	2	.....	1	.....	1	.....	.....	.....	7
Chinese	3	3	4	4	2	1	4	4	4	4	1	1	35
Japanese	6	11	7	9	10	6	4	2	2	6	6	7	76
Others	1	1	.....	2	3	.....	.....	.....	.....	.....	.....	.....	7
Illegitimate	7	17	16	12	24	13	14	20	13	15	9	10	170
Twin births	10	6	4	8	8	10	6	12	10	4	10	10	98

Population estimated 1927 332,835
Birth rate per 1000 ..... 14.6

STILL BIRTHS NOT INCLUDED IN BIRTHS OR DEATHS

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Stillbirths	9	13	15	8	17	12	16	10	13	9	11	16	149

CONTAGIOUS DISEASES 1927

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Diphtheria	35	19	32	31	19	11	13	9	18	29	29	33	278
Smallpox	9	10	12	15	14	16	25	10	20	26	16	63	236
Scarlet Fever	86	41	39	30	10	10	7	4	7	21	19	40	314
Tuberculosis	37	31	27	23	27	12	22	16	22	19	10	5	251
Chickenpox	118	49	44	57	29	25	22	6	8	38	46	141	583
Measles	70	145	279	901	767	313	98	8	9	16	17	18	2,641
Typhoid Fever	5	3	1	1	5	5	2	3	1	3	2	3	34
Mumps	8	8	10	22	10	13	2	2	2	2	3	17	99
Whooping Cough	10	10	16	33	16	22	18	26	4	8	1	3	167
Influenza	63	217	10	2	.....	.....	1	1	.....	2	1	9	306
Pneumonia	12	12	12	4	2	2	1	.....	.....	.....	1	12	58
Septic Sore Throat	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
Erysipelas	9	5	10	8	7	1	.....	.....	1	2	.....	2	45
Spinal Meningitis	3	3	3	4	6	2	5	12	5	4	1	6	54
Lethargic Encephalitis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Leprosy	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Malaria	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Polimoyelitis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gonorrhea	98	50	64	102	100	99	87	87	1	12	17	25	55
Syphilis	41	11	47	40	56	25	36	40	79	62	70	78	976
Chanroid	2	3	2	4	1	6	4	1	35	9	31	31	402
									3	10	3	6	45

TYPHOID FEVER INVESTIGATIONS—1927

(Cases reported, 34)

Cases contracted in Portland	2
Cases contracted in Oregon	14
Cases contracted in U. S. A.	4
Source of infection unknown	14
Total number of cases	34
Residents of Portland	22
Residents of Oregon	10
Residents of U. S. A.	2
Total cases	34

Survey of Deaths Only—

Residents of Portland	3
Residents of Oregon	2
Residents of U. S. A.	1
Residence unknown	1
Total number of deaths	7
Cases reported before death	7
Reported by death certificate only	0
Total cases	7

Widals on Cases Reported as Typhoid Fever—

Positive	27
Negative	2
No Widal made	5
Total	34

MEAT DIVISION REPORT—YEAR 1927

Submitted by E. E. Chase, V. S.

Number of Carcasses Inspected and Passed—

Beef	31,968
Veal	36,336
Hogs	53,469
Sheep	14,406
Goats	701
Total	118,880

Number of Carcasses Inspected and Condemned—

Beef	161
Veal	89
Hogs	48
Sheep	20
Goats	60
Total	378
Number of post mortems held on reactors (food 429, Con. 103)	532
Number of livers condemned	4,007
Number of chickens condemned	1,143
Number pounds sour meat, etc., condemned	15,274
Number of hogs heads condemned for T. B.	739

MILK DIVISION—YEARLY REPORT 1927

Submitted by D. W. Mack, V. S.

Inspections—

Dairies	8,265
Creameries and milk depots	459
Total	8,724
Number new dairy barns erected	64
Number barns remodeled	104
Number new milk houses erected	191
Number dairies closed	35
Number new creameries and milk depots erected	1
Number creameries and milk depots remodeled	2
Number gallons milk condemned and returned	3,855
Number dairy herds tested for tuberculosis	274
Number animals tested for tuberculosis	3,740
Number animals reacting	231
Number animals suspicious	6
Number barns disinfected	18
Amount collected for testing cattle	$715.10
Cases in court	2
Amount of fines assessed	$400.00

Samples of Milk Analyzed—

Brought in by inspectors (milk and cream)	4,183
Brought in by citizens (milk and cream)	1,298
Total	5,481
Per cent below standard, less than 1 per cent.	
Miscellaneous samples analyzed	940

Raw Milk from Producer-Distributor—

Average butter-fat	4.0
Average solids, not fat	9.0

Pasteurized Milk—

Average butter-fat	4.0
Average solids, not fat	9.0

Bacteriological Analysis of Milk—

Pasteurized milk	10,000 and under per c. c.	46.46 per cent
	20,000 and under per c. c.	66.50 per cent
	50,000 and under per c. c.	87.16 per cent
	100,000 and under per c. c.	97.32 per cent
	200,000 and under per c. c.	100.00 per cent
Raw milk	10,000 and under per c. c.	40.06 per cent
	20,000 and under per c. c.	62.63 per cent
	50,000 and under per c. c.	88.91 per cent
	100,000 and under per c. c.	96.42 per cent
	200,000 and under per c. c.	100.00 per cent

Average Bacteriological Count of All Samples—

10,000 and under per c. c.	43.26 per cent
20,000 and under per c. c.	64.56 per cent
50,000 and under per c. c.	88.03 per cent
100,000 and under per c. c.	96.87 per cent
200,000 and under per c. c.	100.00 per cent

MARKET INSPECTION—YEAR 1927

Food establishments inspected	24,781
Official calls	14,942
Restaurants rated	621
O. K.'d for license	2,549
Licenses issued	8,444
Licenses issued (special 7-day)	142
Licenses issued (hospital)	158
Health cards issued women	13,856
Health cards issued men	10,784
Foodstuffs condemned (pounds)	25,356

SANITARY INSPECTIONS

Complaints by citizens	4,954
Hotels and dwellings	8,220
Abatements (outside vaults)	4,334
Written notices	1,652
Verbal notices	13,988
Signs posted	248
Arrests	6
Convictions	1
Typhoid and malaria cases investigated	38
Samples of water tested	214
Rodent control, inspections made	677

EXAMINED FOR COURT OF DOMESTIC RELATIONS

Boys	419
Girls	479

SCHOOL DIVISION—YEAR 1927

By Helen A. Cary, M. D.

I submit herewith my report for the School Division for the year ending December 31, 1927.

Nineteen twenty-seven has been a year of progress and increased efficiency. A comparison of statistics of previous years with those of this year is most gratifying. We find that during the year 32,863 children have passed through the School Health Division for re-admittance to school, compared with 24,139 for the previous year. This increase in re-admissions has brought about a decrease in classroom inspections. In 1926 there were 102,825 children inspected in the classroom while only 96,000 were made this year. This has meant less disturbance in the class room procedure.

Our personal contacts have been more satisfactory this year. Last year 10,441 notes were sent to parents as compared with 15,153 for this year. We are reaching more of the homes than before, getting better acquainted with parents and children. The feeling of confidence in the school nurse is well expressed in the increase of calls by parents for advice concerning their children. Last year 3,960 parents came to the schools to consult the nurse while this year there have been 9,725 of these calls. The interest of the school nurse in the children makes it possible to help the mother in many of her daily problems. Mothers are realizing more and more how much valuable information and help can be obtained from the nurse. During the last year there have been 24,011 conferences as compared with 14,149 of the previous year. The children are seeking the nurse more frequently for she has 36,597 individual talks with them, whereas the previous year she had only 24,786. The school nurse, being better acquainted with the children, can render better service.

Many more physical examinations have been made by the school physician. A larger number of children has been found free from defects but an increased number has been found with both poor vision and hearing. This means that closer check is being kept. In our correction column we find that more than half of the visual defects have been corrected, whereas only one-third were cared for in the previous year. This shows an increased interest on the part of the parent to see that defects are righted.

New activities have been started in some of the schools this year. It is interesting to note the enthusiasm of the children in first aid work and home making classes. These classes have shown results. There is a general improvement in the homes of members; some of these homes that have been under the observation of social agencies are reported as decidedly improved.

Nutrition classes have been established in several of the schools with surprisingly happy results. In a group of schools in South Portland, the health teacher has concentrated on this line of work and through her efforts more than the seven per cent or more underweights are up to normal weight. This is not the only satisfying factor for these children, the teachers report, are all doing better school work than when they were so undernourished.

Health has to be presented from various aspects to appeal to the children and so this year in the platoon schools, health plays have been given for the different sections. In some instances, the children have combined the language class with the dramatic and written their own plays. Health films and stories have been shown to advantage. We appreciate the co-operation of the Health Department and the School Administration and their staff.

REPORT OF SCHOOL HEALTH DIVISION—YEAR 1927

Schools Visited 4,593

	E	A
Exclusions and Readmissions—		
Colds and sore throat	2,520	13,636
Grippe	380	2,132
Pneumonia	0	20
Miscellaneous	2,315	6,182
Dermatitis	758	766
Impetigo	976	895
Scabies	542	610
Ring worm	314	339
Poison oak	85	590
Pediculosis	20	68
Inflamed eye	856	1,041
Chickenpox	425	1,327
Measles	1,635	4,153
Mumps	220	409
Whooping cough	145	429
Smallpox	36	47
Diphtheria	28	81
Scarlet fever	44	138
Total	11,050	32,863

Class inspections	96,020
Cultures	3,252
Vaccinations	835
Goitre tablets	224,024
Dressings	6,891
Emergencies	168
Consultations—	
	170,098
Phone calls	9,725
Parents	24,011
Teachers and principals	36,597
Individual child	661
Health agency	250
Social agency	3,983
Home calls	15,153
Notes to parents	
Health Education—	
First aid classes	38
Home making classes	58
Health plays and pageants	13
Health films shown	72
Nutrition classes	79
Physical Examinations—	
Examined	8,011
Free from defects	1,584
Defective nose	366
Defective tonsils	3,119
Defective thyroid	2,165
Lymph glands	1,465
Heart	405
Lungs	129
Orthepedic	1,298
Defective teeth	3,120
Miscellaneous	1,733
Corrections and Improvements—	
Nose	135
Tonsils	1,692
Orthepedic	76
Teeth	960
Vision	803
Miscellaneous	2,178
Nutrition—	
Weighed and measured	84,073
7 per cent more underweight	15,704
Referred to—	
Private physician and clinic	3,121
Talks—	
P. T. A. meetings	105
Teachers meetings	318
Class room	4,660
Miscellaneous group	561
Clerical—	
Cards	15,369
Nurses Assisted With—	
Goitre examinations	8,439
Toxin antitoxin	8,876
Defective vision	1,532
Defective hearing	587

BACTERIOLOGICAL REPORT—YEAR 1927

Submitted by R. L. Benson, M. D.

The laboratory division is concerned with examinations of routine bacteriological specimens, milk, water, foods and if the occasion arises, with investigation of epidemics and outbreaks.

The importance of diphtheria examination is indicated by the large number of such tests made during the year. Its purpose is not only to help in the diagnosis and therefore the treatment and quarantine of the disease, but even to detect and quarantine healthy carriers of the infection whenever possible. All fire stations in the City are supplied every two weeks with culture tubes to facilitate prompt diagnosis. Likewise the routine examination of specimens for tuberculosis, epidemic meningitis, gonorrhea, typhoid and other infectious diseases, and the Wassermann test for syphilis have the double object of assisting diagnosis of the individual and preventing its spread to others.

The laboratory examination of milk aims to give a rating of this product as to purity, richness and freedom from serious bacterial contamination. The milk count, butter fat and other determinations are made frequently to give the producer a true idea of the quality of his milk and also to aid the public in the choice of a dairy. At the same time an effort is made to co-operate with the dairies and wherever possible, point out means of improvement.

More extensive development of the milk program has awaited the decision of the courts on the validity of the new milk ordinance. It is now planned to undertake in the near future a survey of the employes of the dairies and plants to detect possible carriers of typhoid, tuberculosis, septic sore throat and other communicable diseases. The milk contests held by the department in the past have stimulated effort on the part of the producers with the result that Portland's milk compares favorably as to quality with any in the country. The next achievement aimed at is to safeguard the milk so effectively against infection with disease-producing bacteria that epidemics and outbreaks from this source may be prevented in the future. This can be accomplished by a rigid inspection of the dairy employes.

The activities of the laboratory division in connection with the Portland water supply have fallen under several heads and have been increased by the circumstances attending the construction of the new Bear Creek Dam. Daily examination consisting of bacterial count, presumptive B. Coli test and confirmatory test has been made of samples from the Bull Run River, both above the Bear Creek Dam and at the intake above Bull Run. A sample is also examined each day from one or other of the reservoirs, and from the water tap in the laboratory. Samples from Bear Creek water supply of the construction camp at the dam have been made at least weekly. The employes of this camp have also been examined repeatedly in an effort to detect any possible carriers of typhoid or other disease.

Another study that has demanded considerable attention during the year has been the determination of pollution of the Willamette River, undertaken in conjunction with the City Engineer's office and the United States Public Health Service. Samples have been collected weekly during the summer and every other week during the re-

mainder of the year from seven stations between Sellwood and the confluence with the Columbia, including one sample from the Columbia itself. The purpose has been to determine the degree of pollution, bacterial and chemical, of the Willamette River by sewage and commercial plants, with special reference to its bearing on sanitation and on the welfare of the fishing industry. The determination has included bacterial count, B. Coli, dissolved oxygen and oxygen demand. For dissolved oxygen the original Winkler method has been used, being found more reliable than the Rideal Stewart modification. Results have been obtained which will be made the basis of future tabulations and of a special detailed report at a later date.

Diphtheria cultures, positive	1,636
Diphtheria culture, negative	8,571
Sputum examinations T. B., positive	29
Sputum examinations T. B., negative	36
Widal tests, positive	1
Widal tests, negative	7
Water analysis, not O. K	498
Water analysis, O. K	451
G. C. smears, positive	124
G. C. smears, negative	512
Wasserman tests, positive	59
Wasserman tests, negative	247
Urinalyses for Civil Service	306
Urinalyses, miscellaneous	148
Miscellaneous examinations	133
Milk bacteriological counts	4,612
Swabs prepared	17,000
Kleb's Loeffler blood serum tubes prepared	19,550
Willamette River water pollution tests	1,440
Typhoid specimen examinations	1,542
Virilence tests for diphtheria	19

EMERGENCY HOSPITAL REPORT—1927

New cases treated	3,834
Surgical cases treated	2,312
Medical	1,346
Venereal treatments and examinations	279
Confinement cases	13
Redressings	2,023
Treated in ward	424
Outside calls	627
Insane patients	49
Attempted suicide	82
Medico legal examinations	53
Total cases treated	11,042

BUREAU OF MUNICIPAL LIGHTING

Portland, Oregon, December 5, 1927

MR. JOHN M. MANN, COMMISSIONER OF PUBLIC UTILITIES:

Dear Sir: In re City lighting for fiscal year ending November 30, 1927.

Expenditures were made as shown by the City Auditor's books as follows:

Supplies (meter reading cards, etc.)	$ 19.25
Street lighting (which includes all incandescent lighting, except that used for lighting buildings, and that part of ornamental post lighting which represents the amount which would be paid for arc lights, had they been continued in service where post lamps are now used)	256,566.29
Public buildings	11,904.20
Contributions made toward cost of ornamental posts	2,352.41
Cost of installing new lamps (200)	6,507.20
Total	$277,349.35

Under the Charter amendment passed November, 1924, the City now pays toward the cost of ornamental post lamps on account of overhead arcs being discontinued at Grand Avenue and Clay Street, Grand Avenue and Hawthorne Avenue, Grand Avenue and Madison Street, Grand Avenue and Main Street, Grand Avenue and Salmon Street, Grand Avenue and Taylor Street, Grand Avenue and Yamhill Street, Grand Avenue and Belmont Street, Grand Avenue and Morrison Street, Grand Avenue and Alder Street, Grand Avenue and Washington Street, Grand Avenue and Stark Street, Grand Avenue and Oak Street, Grand Avenue and Pine Street, Grand Avenue and Ash Street, Grand Avenue and Ankeny Street, Grand Avenue and Burnside Street, Grand Avenue and Couch Street, Grand Avenue and Davis Street; Jersey Street and Fessenden Street, Jersey Street and New York Street, Jersey Street and Chicago Street, Jersey Street and Baltimore Street, Jersey Street and Alta Street, Jersey Street and Burlington Street, Jersey Street and Leavitt Street, Jersey Street and John Street, Jersey Street and Charleston Street; Ivanhoe Street and Philadelphia Street; Sixth Street, Leavitt Street, Jersey Street and John Street, Jersey Street and Charleston Street; Ivanhoe Street and Philadelphia Street; Sixth Street and Jefferson Street; Fifth Street and Jefferson Street; Washington Street and Vista Avenue; Washington Street and St. Clair Street, Washington Street and Twenty-second Street, Washington Street and King Street, Washington Street and Twenty-first Street, Washington Street and Ella Street, Washington Street and Twentieth (Stout) Street, Washington Street and Trinity Place, Washington Street and Nineteenth Street, Washington Street and Seventeenth Street; Broadway and Jefferson Street, Broadway and Hoyt Street; Eleventh Street and Jefferson Street, Eleventh Street and Main Street, Eleventh Street and Salmon Street.

And on account of underground arcs being discontinued at East Burnside Street and Union Avenue; Washington Street and Sixteenth

Street, Washington Street and Fourteenth Street, Washington Street and Thirteenth Street, Washington Street and Twelfth Street, Washington Street and Eleventh Street, Washington Street and Tenth Street, Washington Street and West Park Street, Washington Street and Fourth Street, Washington Street and Second Street, Burnside Street and Fifteenth Street; Sixth Street and Burnside Street, Sixth Street and Pine Street, Sixth Street and Oak Street, Sixth Street and Stark Street, Sixth Street and Washington Street, Sixth Street and Morrison Street, Sixth Street and Taylor Street, Sixth Street and Salmon Street, Sixth Street and Main Street, Sixth Street and Madison Street; Fifth Street and Burnside Street, Fifth Street and Ankeny Street, Fifth Street and Pine Street, Fifth Street and Oak Street, Fifth Street and Stark Street, Fifth Street and Washington Street, Fifth Street and Alder Street, Fifth Street and Morrison Street, Fifth Street and Yamhill Street, Fifth Street and Taylor Street, Fifth Street and Main Street; Eleventh Street and Morrison Street, Eleventh Street and Yamhill Street; Broadway Street and Madison Street, Broadway Street and Main Street, Broadway Street and Salmon Street, Broadway Street and Taylor Street, Broadway Street and Yamhill Street, Broadway Street and Washington Street, Broadway Street and Stark Street, Broadway Street and Oak Street, Broadway Street and Burnside Street, Broadway Street and Couch Street, Broadway Street and Davis Street, Broadway Street and Flanders, Street, Broadway Street and Glisan Street.

There were in operation December 1, 1926, 4,830 overhead arc lamps, to which were added during 1927, 200 lamps, and 22 lamps were replaced by ornamental posts now operated by the Northwestern Electric Co., hence we now have the equivalent of 5,008 overhead lamps in service. On December 1, 1926, there were in service 139 underground arc lamps and 31 of those were replaced by ornamental posts now operated by the Northwestern Electric Co., leaving 108 underground lamps in service.

In accordance with existing ordinances we are paying to Northwestern Electric Co. $304.18 per month, which applies as a credit against the cost to the property owners of operating ornamental post lamps on Jersey Street, Washington Street, Fifth and Sixth Streets, where we were paying for 22 overhead arc lamps and 31 underground arc lamps, and in addition $60.00 per month toward the cost of lighting the Third Street arches.

The demand for new lamps is still very much greater than the supply and at present we are able to put in approximately one out of ten that are needed.

Yours truly,

H. A. GOODE,
ASSISTANT TO COMMISSIONER OF PUBLIC UTILITIES.

BUREAU OF WEIGHTS AND MEASURES

REPORT OF THE SEALER OF WEIGHTS AND MEASURES FOR THE YEAR ENDING NOVEMBER 30, 1927

TO THE HONORABLE JOHN M. MANN, COMMISSIONER OF PUBLIC UTILITIES:

Dear Sir: Following is a report for the Bureau of Weights and Measures for the fiscal year 1927:

Scales inspected		3,432
Scales sealed	3,210	
Scales condemned	88	
Scales ordered repaired	134	3,432
Scales adjusted or repaired before sealing		155
Weights inspected		964
Weights found accurate	922	
Weights condemned	42	964

In the inspection of scales of small capacity used in the sale of food-stuffs at retail the most common causes of error were found to be dirt interfering with the free movement of parts, failure to keep scale in level or failure to give the counter on which the scale was placed adequate support.

In scales of the automatic computing type which to a very large degree have replaced scales of the older type such as the even-balance or multiplied-lever scale, the most common cause of trouble was through failure to keep dash-pot in good working order.

The movement of scales of this latter type is regulated through the use of a cylinder filled with oil through which a plunger fitted with a valve moves up and down. Through continuous use the oil deteriorates or becomes mixed with foreign material interfering with the movement of parts; this results in a slow moving, sluggish scale. The Bureau has at all times tried to impress upon the users of these scales the necessity of occasionally changing the oil used, cleaning out the dash-pot and keeping these working parts in condition to function properly.

Throughout the year an effort has been made to keep in first-class working order scales of the heavier type used on the street, in warehouses, on docks, in elevators and mills. These scales range in capacity from five hundred pound portable platform scales with a four-ounce graduation to sixty tons with ten-pound graduations.

In testing scales of large capacity the method used is to assemble all the test weights available; test the scale for accuracy and sensibility, then use any load obtainable, add the known test weights and keep repeating this operation with a larger load until the scale has been tested to as near capacity as possible. While this method is not as satisfactory as it would be were it possible to load the scale to its capacity with test weights, yet it has been found in practice to work out fairly well.

Considerable time was spent in testing the weighing equipment used in the certified weighing of grain; this work is considered of first importance as a very large portion of the grain crop of the Northwest

is settled for on the basis of Portland weights and it is essential to both buyer and seller that the weights be as nearly exact as it is possible to make them.

In general it was found that these scales were kept in good condition and in those cases in which inaccuracies were found it is proper to state that the owners or operators of the scales in question were prompt in making the repairs required.

In the testing of equipment used in the sale of gasoline and lubricating oils a constantly increasing demand is made upon the Bureau. A few years ago a filling station consisted of one or at most two pumps of one gallon capacity in charge of one operator, while at the present time many so-called super-service stations are equipped with four- six or eight ten-gallon pumps with employes in proportion. It is becoming increasingly difficult to give this new equipment the frequent inspection which a high standard of accuracy requires and it is suggested that it is only a question of a short time until the working force of the Bureau be increased if adequate inspection is to be made.

Much of the equipment in this field is of the so-called visible type; the errors found as a rule are small but in the aggregate the amount involved is large.

The wholesale companies selling gasoline to service stations and garages have, during the past year, discontinued the repair and inspection service they have heretofore furnished their patrons, confining their service at this time to the stations operated by the companies; this leaves the maintenance of the great bulk of the equipment in use to the manufactures' local sales agents who, as a general rule, are considerably more interested in the sale of new equipment than in the servicing of old; thus an added burden is placed upon the Bureau.

Following is a statement of the equipment tested:

Pumps tested		928
Pumps sealed		
Pumps ordered repaired	798	
Pumps condemned	116	
Pumps adjusted or repaired before sealing	14	928
	65	

Wood was measured throughout the year for both consumers and fuel dealers and conditions were found to be fairly satisfactory; with few exceptions the ordinance standardizing the load of short mill wood at three-quarters of a cord was observed and all complaints made were promptly investigated.

One complaint was filed in the Municipal Court for short measure wood, resulting in a fine of fifty dollars.

Some complaint has been received over the sale of wet wood for dry, a matter not covered by the ordinance. It might be well to suggest that the right time to put in wood, wherever possible, is during the summer or early fall. Very few dealers are prepared to deliver thoroughly dry wood at all times during the winter season and then only at a considerably advanced price to cover the cost of re-handling and protecting the commodity from the weather.

The following may be listed as a part of the miscellaneous work done:

Wood measured (cords)	3,877
Coal inspected (pounds)	320,000
Potatoes weighed (pounds)	1,600
Sugar weighed (pounds)	4,000
Poultry weighed (pounds)	1,500
Milk weighed (pounds)	6,000
Wheat weighed (pounds)	335,000
Meat weighed (pounds)	6,500
Fertilizer measured (loads)	4
Berries inspected (crates)	2,500
Buttons checked (gross)	350
Plaster measured (yards)	270
Containers measured	125

Several times during the year a check was made on the weights of poultry and other commodities on the Yamhill Public Market; this, together with a frequent inspection of scales for balance, indicated conditions on the market were very good.

Following is a statement of the cost of maintenance of the Bureau:

Personal service	$5,327.35
Operation and maintenance	342.70
	$5,670.05

Respectfully submitted,

E. D. JONES, City Sealer.

ANNUAL REPORT

OF

THE DEPARTMENT OF PUBLIC WORKS

FOR THE FISCAL YEAR ENDING
NOVEMBER 30, 1927

DEPARTMENT OF PUBLIC WORKS

ORGANIZATION

A. L. BARBUR
COMMISSIONER

ASSISTANT COMMISSIONER—
R. SHAWCROSS

CITY ENGINEER—
O. LAURGAARD

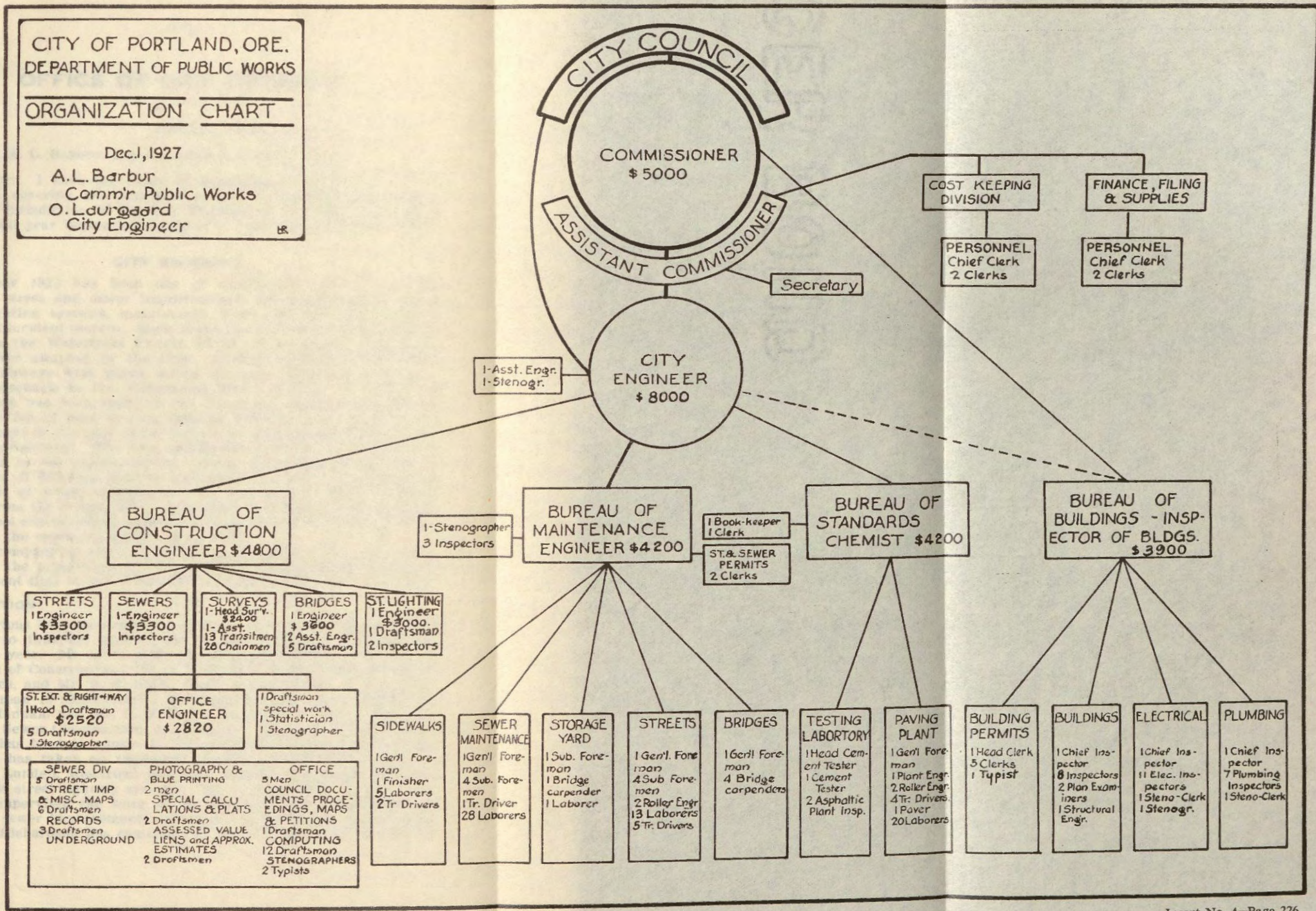
Bureau of Construction—
L. G. APPERSON, Chief

Bureau of Maintenance—
O. E. STANLEY, Chief

BUREAU OF BUILDINGS—
H. E. PLUMMER, Chief

BUREAU OF STANDARDS—
R. S. DULIN, Chief

MUNICIPAL PAVING PLANT—
R. S. DULIN, Superintendent


CITY OF PORTLAND, ORE.
DEPARTMENT OF PUBLIC WORKS
ORGANIZATION CHART
Dec. 1, 1927
A. L. Barbur
Comm'r Public Works
O. Laurgaard
City Engineer
CITY COUNCIL
COMMISSIONER
$ 5000
ASSISTANT COMMISSIONER
Secretary
COST KEEPING DIVISION
PERSONNEL
Chief Clerk
2 Clerks
FINANCE, FILING & SUPPLIES
PERSONNEL
Chief Clerk
2 Clerks
CITY ENGINEER
$ 8000
1-Asst. Engr.
1-Stenogr.
BUREAU OF CONSTRUCTION
ENGINEER $4800
BUREAU OF MAINTENANCE
ENGINEER $4200
1-Stenographer
3 Inspectors
1 Book-keeper
1 Clerk
ST. & SEWER PERMITS
2 Clerks
BUREAU OF STANDARDS
CHEMIST $4200
BUREAU OF BUILDINGS - INSPECTOR OF BLDGS.
$3900
STREETS
1 Engineer
$3300
Inspectors
SEWERS
1-Engineer
$3300
Inspectors
SURVEYS
1-Head Sur'v.
$2400
1-Asst.
13 Transitmen
28 Chainmen
BRIDGES
1 Engineer
$ 3600
2 Asst. Engr.
5 Draftsman
ST. LIGHTING
1 Engineer
$3000.
1 Draftsman
2 Inspectors
ST. EXT. & RIGHT-OF-WAY
1 Head Draftsman
$2520
5 Draftsman
1 Stenographer
OFFICE ENGINEER
$2820
1 Draftsman
special work
1 Statistician
1 Stenographer
SEWER DIV
5 Draftsman
STREET IMP & MISC. MAPS
6 Draftsmen
RECORDS
3 Draftsmen
UNDERGROUND
PHOTOGRAPHY & BLUE PRINTING
2 men
SPECIAL CALCULATIONS & PLATS
2 Draftsmen
ASSESSED VALUE LIENS and APPROX. ESTIMATES
2 Draftsmen
OFFICE
5 Men
COUNCIL DOCUMENTS PROCEEDINGS, MAPS & PETITIONS
1 Draftsman
COMPUTING
12 Draftsman
STENOGRAPHERS
2 Typists
SIDEWALKS
1 Gen'l Foreman
1 Finisher
5 Laborers
2 Tr Drivers
SEWER MAINTENANCE
1 Gen'l Foreman
4 Sub. Foremen
1 Tr. Driver
28 Laborers
STORAGE YARD
1 Sub. Foreman
1 Bridge carpender
1 Laborer
STREETS
1 Gen'l. Foreman
4 Sub Foremen
2 Roller Engr
13 Laborers
5 Tr. Drivers
BRIDGES
1 Gen'l Foreman
4 Bridge carpenders
TESTING LABORTORY
1 Head Cement Tester
1 Cement Tester
2 Asphaltic Plant Insp.
PAVING PLANT
1 Gen'l Foreman
1 Plant Engr.
2 Roller Engr.
4 Tr. Drivers
1 Paver
20 Laborers
BUILDING PERMITS
1 Head Clerk
5 Clerks
1 Typist
BUILDINGS
1 Chief Inspector
8 Inspectors
2 Plan Examiners
1 Structural Engr.
ELECTRICAL
1 Chief Inspector
11 Elec. Inspectors
1 Steno-Clerk
1 Stenogr.
PLUMBING
1 Chief Inspector
7 Plumbing Inspectors
1 Steno-Clerk

OFFICE OF CITY ENGINEER

Portland, Oregon, February 1, 1928.

HONORABLE A. L. BARBUR, COMMISSIONER OF PUBLIC WORKS.

Dear Sir: I have the honor of submitting herewith the following report covering the activities of the various bureaus coming under the jurisdiction of the City Engineer of the City of Portland for the fiscal year beginning December 1, 1926, and ending November 30, 1927.

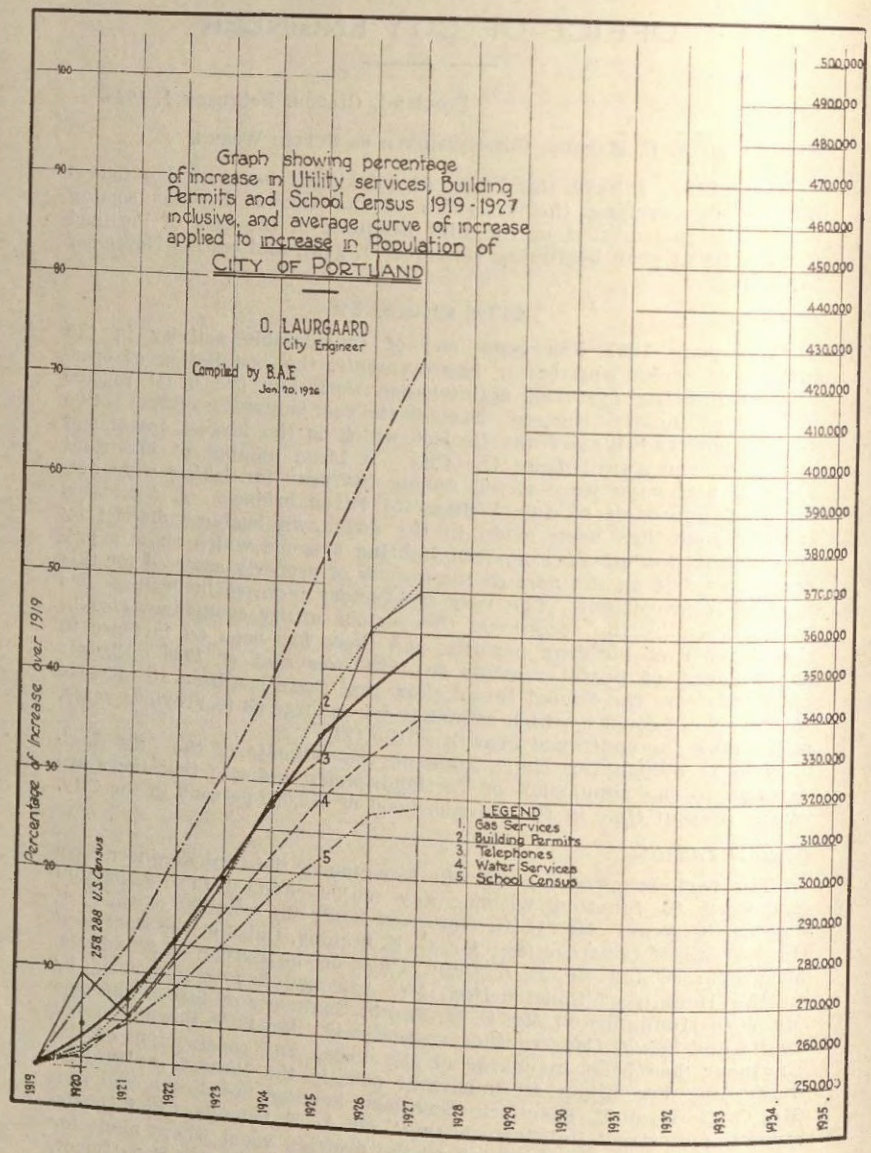
CITY ENGINEER

The year 1927 has been one of considerable activity in the matter of street and sewer improvements, the installation of ornamental lighting systems, maintenance work and the usual routine office work incident thereto. Early in the year contractors began active work upon the Waterfront Project which is the largest assessment contract ever awarded by the City. A large number of important arterial highways were paved during the year furnishing wide avenues of approach to the Willamette River bridges. A noticeable improvement has been made in the downtown business district by the installation of very modern lighting systems which show a progressive spirit on the part of the owners of property assessed for this type of improvement. The very satisfactory increase in business has been shown hy the records of the various utility companies, also in the number of building permits, and there has been an increase in the amount of postal receipts in 1927 over that of 1926. Figures obtained from the School Board show that there has been an increase in the school census, which although not as large as in previous years, still shows the continued growth of the City.

The accompanying chart, showing the estimate of the City Engineer as to the population of Portland, would indicate that there are at the present time in the neighborhood of 356,000 persons in the City.

ORGANIZATION

The various hureaus under the direction of the City Engineer have continued to function without any major changes in organization during the year. Mr. L. G. Apperson holds the position of Chief of the Bureau of Construction; Mr. O. E. Stanley, Chief of the Bureau of Maintenance, and Mr. R. S. Dulin, Chief of the Bureau of Standards. In the Bureau of Construction, Mr. Apperson has been assisted by Mr. Jess Hannam and Mr. C. H. Smith, Engineers of Street Improvements and Sewer Construction, respectively. Mr. F. T. Fowler, Bridge Engineer, has been in charge of the design and construction of viaducts, and has taken an important part in the Waterfront Project. Mr. C. H. Lundell, Electrical Engineer, handles the design and construction of street lighting systems. Mr. L. F. Schuele, Chief Draftsman, has supervised the work of the drafting room where plans for street and sewer improvements originate. In the Survey Department, Mr. H. G. Richardson has continued to take charge of all surveys for



street and sewer improvements, street extensions, street lighting systems, and any engineering work requiring surveys.

Mr. O. E. Stanley has continued in his position as Chief of the Bureau of Maintenance with the assistance of the following general foremen: Mr. Charles A. Robinson, General Foreman on Sewer Repairs; Mr. J. K. Carr, General Foreman on Street Maintenance and the reshaping and repair of macadam streets; Mr. Nels Reed, General Foreman of the Bridge Crew, and Mr. R. F. Hurlburt, General Foreman of the Sidewalk Crew. Mr. J. T. Shannon, Inspector, has taken care of the inspection of all track work, driveway approaches, special track permits, the installation of fuel and gasoline tanks, applications for curb pumps, and many special investigations on claims and such matters as may be referred to him by the City Engineer. Mr. H. A. Demmer has continued in charge of the public office, the issuing of permits to the plumbers, public utility companies and all others doing work within the street area of the City of Portland, and other miscellaneous duties.

Mr. R. S. Dulin has continued as Chief of the Bureau of Standards assisted by Mr. Oscar Beck, who is in charge of the testing laboratory, making tests of materials used in public work, and Mr. Fred Younger as General Foreman in charge of paving operations.

NEW CONSTRUCTION WORK

The street improvement program for the year 1927 amounted to $2,335,992, which includes the installation of five street lighting systems at an installation cost of $149,105. The sewer program amounted to $571,662 for the year, involving the construction of 36.6 miles of sewers. During the year 46.64 miles of streets were paved by the City, and 2.40 miles of paved roads were taken over from the County of Multnomah as city streets, making a total of 49.04 miles of pavement added to the paving mileage in the City for 1927. The pavement laid under city contracts was divided as follows:

11.38 miles of asphaltic concrete
28.66 miles of concrete
6.59 miles of asphaltic concrete redress on old macadam

There are now 612.886 miles of hard surfaced streets in the City. Thirteen miles of streets were graded at a cost of $273,062. One reinforced concrete viaduct was completed at a cost of $197,404.17. At the present time there are in place in the City of Portland 922.65 miles of sewers ranging in size from the small 6-inch pipe sewers to the very large trunk sewers.

CUMULATIVE COST OF STREET AND SEWER IMPROVEMENTS BY THE YEAR

Year	STREETS		SEWERS		Streets and Sewers Laid by Year	Total Cumulative Cost of Streets and Sewers
	Laid by Year	Cumulative	Laid by Year	Cumulative		
1900		$ 5,138,163		$ 969,763		$ 6,127,926
1901	$ 117,718	5,265,881	$ 19,391	1,009,154	$ 137,109	6,265,035
1902	124,662	5,380,543	113,187	1,122,341	237,849	6,502,884
1903	134,804	5,515,347	57,008	1,179,349	191,812	6,694,696
1904	449,786	5,965,133	140,137	1,319,486	589,923	7,284,619
1905	620,480	6,585,613	58,482	1,377,968	678,962	7,963,581
1906	446,107	7,031,720	69,142	1,447,110	515,249	8,478,830
1907	475,598	7,507,318	69,706	1,517,816	545,304	9,024,134
1908	897,485	8,404,803	92,781	1,609,597	990,266	10,014,400
1909	1,750,853	10,155,656	77,407	1,687,004	1,828,260	11,842,660
1910	2,001,413	12,157,069	313,426	2,000,430	2,314,839	14,157,499
1911	4,091,262	16,248,331	905,718	2,906,148	4,996,980	19,154,479
1912	7,021,361	23,269,692	556,291	3,426,439	7,577,652	26,731,131
1913	3,142,510	26,412,202	566,973	4,029,412	3,709,483	30,441,614
1914	2,732,653	29,144,855	772,284	4,807,696	3,510,937	33,952,551
1915	1,513,207	30,658,062	367,380	5,175,076	1,880,587	35,833,138
1916	718,434	31,376,496	209,652	5,384,728	928,086	36,761,224
1917	544,502	31,920,998	236,533	5,621,261	781,035	37,542,250
1918	234,838	32,155,836	59,631	5,680,892	294,469	37,836,728
1919	217,039	32,372,875	312,289	5,993,181	529,328	38,366,056
1920	205,068	32,577,943	71,354	6,064,535	276,422	38,642,478
1921	1,080,042	33,657,985	1,283,209	7,347,744	2,363,251	41,005,729
1922	1,476,311	35,134,296	2,234,463	9,582,207	3,710,774	44,716,503
1923	489,133	35,623,429	545,670	10,127,877	1,034,803	45,751,306
1924	758,081	36,381,510	960,862	11,088,739	1,718,943	47,470,249
1925	1,059,277	37,440,787	179,586	11,268,325	1,238,863	48,709,112
1926	1,241,339	38,682,126	205,911	11,475,236	1,448,250	50,157,362
1927	2,264,542	40,946,668	775,041	12,250,277	3,039,583	53,196,945
	2,335,992	43,282,660	571,662	12,821,939	2,907,654	56,104,599

Street improvement cost for 1927 includes 5 street lighting jobs $149,104.56

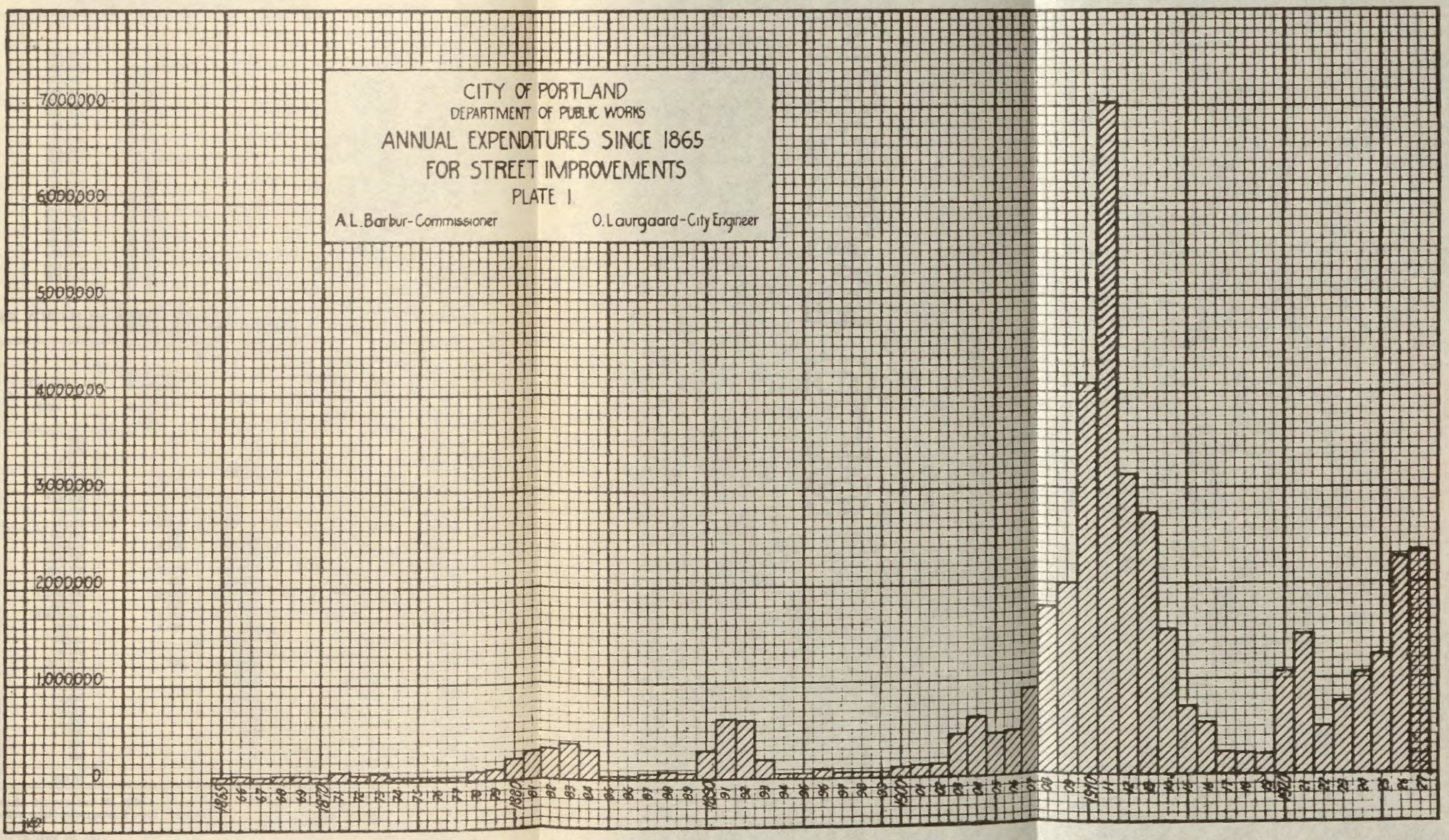
MACADAM PAVEMENT

Year	Total for Year		Decrease, 1927		Net Total to Date	
	Square Yards	Miles	Square Yards	Miles	Square Yards	Miles
Previous to—						
1908					1,644,542	75.805
1908	340,932	16.142			1,985,474	91.947
1909	430,152	20.805			2,415,626	112.752
1910	143,538	7.088			2,555,699	119.659
1911	28,689	1.600			2,584,388	121.259
1912	20,780	1.120			2,605,168	122.379
1913	44,671	2.500			2,592,266	118.971
1914	32,258	0.700			2,502,536	115.488
1915	19,208	1.075			2,503,923	115.633
1916	30,167	1.688			2,506,075	115.860
1917	9,072	0.430			2,499,117	115.428
1918					2,489,426	114.923
1919	2,300	0.109			2,487,886	114.832
1920	32,828	1.520			2,511,051	115.848
1921	22,612	1.917			2,460,553	114.009
1922	5,228	0.446			2,425,232	112.340
1923	4,868	0.236			2,430,200	112.576
1924	1,908	0.125			2,331,667	107.701
1925	5,201	0.346			2,294,366	105.388
1926	6,955	0.668			2,135,988	96.787
1927			165,333	9.269	2,051,287	90.194
			84,701	6.5926		

STATEMENT OF NUMBER OF SQUARE YARDS OF VARIOUS TYPES OF PAVEMENT

	Previous to 1908	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	Net Totals—1926 Sq. Yds.	Net Totals—1926 Miles	Increase—1927 Sq. Yds.	Increase—1927 Miles	Decrease—1927 Sq. Yds.	Decrease—1927 Miles	Dec. 1, 1927 Net Totals to Date Sq. Yds.	Dec. 1, 1927 Net Totals to Date Miles	
Hard Surface Pavement—																														
Asphalt	288,500	115,240	100,050	483,160	525,230	362,405	128,072	40,984	4,330	28,862	.....	32,635	49,882	64,960	131,794	.....	.....	.....	.....	.....	.....	2,039,892	106.285	.....	.....	.....	.....	2,039,892	106.285	Asphalt.
Asphalt Concrete—Topeka	.....	.....	.....	.....	.....	.....	78,042	44,873	.....	.....	.....	.....	.....	110,559	141,872	21,638	121,304	269,894	243,462	451,113	(187,673) *2,320	402,186	20.955	.....	.....	.....	.....	402,186	20.955	Asphaltic Concrete—Topeka.
Asphalt Concrete—No. 1 Portland	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,339,842	76.211	(187,673 *2,320	11.383 0.110	.....	**1.606	1,549,835	86.098	Asphaltic Concrete—No. 1 Portland.
Asphalt Concrete—No. 2 Bitulithic	274,038	142,701	272,350	461,001	765,584	306,095	351,973	113,547	990	97,698	55,306	36,995	19,989	50,203	1,271	.....	.....	.....	.....	.....	.....	2,949,741	153.696	.....	.....	.....	.....	2,949,741	153.696	Asphaltic Concrete—No. 2 Bitulithic.
Brick	12,508	5,620	10,230	23,121	32,368	18,979	.....	33,270	12,450	10,250	6,860	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	162,558	8.469	.....	.....	.....	.....	162,558	8.469	Brick.
Concrete	55,725	26,380	2,560	1,064	26,786	51,260	160,950	63,235	28,580	20,250	6,780	9,790	50,445	141,530	122,300	137,533	152,877	53,561	135,141	(262,865 *9,120	533,234 *24,180)	1,516,456	83.312	(533,234 *24,180	28.662 *2.289	.....	**0.923	2,073,870	113.340	Concrete.
Hassam	533	5,886	59,378	158,086	625,101	34,274	94,475	8,336	17,953	14,985	9,122	34,597	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,062,726	55.371	.....	.....	.....	.....	1,062,726	55.371	Hassam.
Stone Block	101,045	24,790	38,000	72,877	107,420	17,750	2,980	2,500	4,420	3,638	8,421	7,388	.....	391	.....	.....	.....	.....	.....	.....	.....	360,513	19.320	.....	.....	.....	.....	360,513	19.320	Stone Block.
Wood Block	13,958	.....	.....	.....	4,397	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18,355	0.956	.....	.....	.....	.....	18,355	0.956	Wood Block.
Granitoid	.....	.....	.....	.....	.....	10,476	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Granitoid.
Westrumite	.....	.....	.....	.....	.....	19,550	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,098	0.370	.....	.....	.....	.....	7,098	0.370	Westrumite.
Concrete on Granitoid	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10,476	.....	.....	10,476	0.545	.....	.....	.....	.....	10,476	0.545	Concrete on Granitoid.
Concrete on Stone Block	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,000	2,400	.....	.....	3,400	0.097	.....	.....	.....	.....	3,400	0.097	Concrete on Stone Block.
Redress Pavement—																														
Redress Asphalt	.....	.....	.....	*32,690	.....	.....	.....	*3,451	.....	.....	.....	.....	.....	.....	*800	.....	.....	.....	.....	.....	.....	36,941	1.925	.....	.....	.....	.....	36,941	1.925	Re-dress—Asphalt.
Red. Asph. Conc. No. 1 on Westrumite	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*6,617	.....	.....	*5,835	.....	.....	.....	.....	12,452	0.648	.....	.....	.....	.....	12,452	0.648	Re-dress—Asphalt on Westrumite.
Red. Asph. Conc. No. 1 on Macadam	.....	.....	.....	.....	.....	.....	.....	92,535	.....	11,472	7,877	9,450	3,550	9,663	47,932	40,549	.....	100,441	42,502	(165,333 *3,120)	84,701	534,424	28.843	84,701	6.593	5,500	0.520	613,625	34.916	Re-dress—Asphalt No. 1 on Macadam.
Red. Asph. Conc. No. 1 on Stone Block	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*5,248	1,750	20,709	.....	.....	27,707	0.987	.....	.....	Torn	Out	27,707	0.987	Re-dress—Asphalt No. 1 on Stone Block
Red. Asph. Conc. No. 2 on Macadam	.....	.....	.....	3,465	.....	.....	57,573	29,453	17,821	16,543	8,153	241	290	.....	25,178	.....	.....	.....	.....	.....	.....	158,717	8.270	.....	.....	.....	.....	158,717	8.270	Re-dress—Asphalt No. 2 on Macadam.
Red. Asph. Conc. No. 2 on Stone Block	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Re-dress—Asphalt No. 2 on Stone Block.
Red. Asph. Conc. No. 2 on Concrete	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Re-dress—Asphalt No. 2 on Concrete.
Red. Asph. Conc. No. 2 on Wood Block	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*3,098	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,098	0.161	.....	.....	.....	.....	3,098	0.161	Re-dress—Asphalt No. 2 on Wood Block.
Red. Asph. Conc. No. 2 on Brick	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,276	.....	.....	2,276	0.477	.....	.....	.....	.....	2,276	0.477	Re-dress—Asphalt No. 2 on Brick.
Red. Asph. Conc. No. 1 on Concrete	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10,668,858	566.898	832,108	49.037	5,500	3.049	11,495,466	612.886	Re-dress—Asphalt No. 1 on Concrete.
Total Hard Surface—																														Total **Hard Surface** (City Streets).
Total for Year—City.....Sq. Yds.	.....	320,617	482,568	1,235,464	2,086,886	820,789	874,065	432,184	86,544	203,698	105,617	131,096	124,156	383,923	471,147	199,720	285,264	426,646	456,966	891,551	832,108	.....	.....	.....	.....	.....	.....	.....	.....	
Total for Year—City.....Miles	.....	14.188	25.160	64.319	110.463	42.626	46.325	22.547	4.515	10.627	5.510	6.839	6.477	19.949	25.581	10.419	15.223	22.807	26.567	53.593	49.037	.....	.....	.....	.....	.....	.....	.....	.....	
Total to Date—City.....Sq. Yds.	746,307	1,066,924	1,549,492	2,752,266	4,839,152	5,659,941	6,534,006	6,962,739	7,049,283	7,252,981	7,355,500	7,486,596	7,610,752	7,988,058	8,458,405	8,658,125	8,932,306	9,356,302	9,777,307	10,668,858	11,495,466	.....	.....	.....	.....	.....	.....	.....	.....	
Total to Date—City.....Miles	37.958	52.146	77.306	139.920	250.383	293.009	339.334	361.701	366.216	376.843	382.217	389.056	395.533	415.217	440.698	451.117	465.763	488.429	513.305	566.898	612.886	.....	.....	.....	.....	.....	.....	.....	.....	
Total Macadam—																														Total **Macadam** (City Streets).
Macadam	1,644,542	340,932	430,152	143,538	28,689	20,780	44,671	32,258	19,208	30,167	9,072	.....	2,300	32,828	22,612	5,228	4,968	1,908	5,201	6,955	.....	2,135,988	96.787	.....	.....	84,701	6.593	2,051,287	90.194	
Total to Date—Macadam—City.....Sq. Yds.	1,644,542	1,985,474	2,415,626	2,555,669	2,584,388	2,605,168	2,592,266	2,502,536	2,503,923	2,506,075	2,499,117	2,489,426	2,487,886	2,511,051	2,460,553	2,425,232	2,430,200	2,331,667	2,294,366	2,135,988	2,051,287	.....	.....	.....	.....	.....	.....	.....	.....	
Total for Year—Macadam—City.....Miles	.....	16.142	20.805	7.088	1.600	1.120	2.500	0.700	1.075	1.688	0.430	0.0	0.109	1.320	1.917	0.446	0.236	0.125	0.346	0.668	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Total to Date—Macadam—City.....Miles	75.805	91.947	112.752	119.659	121.259	122.379	119.971	115.488	115.633	115.860	115.428	114.923	114.832	115.848	114.009	112.340	112.576	107.701	105.388	96.787	90.194	.....	.....	.....	.....	.....	.....	.....	.....	
City Bridges—																														
City Bridges—Wood Block	7,721	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,320	7,721	0.294	.....	.....	.....	.....	7,721	0.294	Wood Block.
City Bridges—Concrete	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	480	.....	.....	.....	.....	.....	480	0.051	2,320	0.104	.....	.....	2,800	0.155	Concrete.
City Bridges—Asphalt Concrete No. 2	.....	.....	.....	2,250	.....	.....	.....	.....	.....	.....	.....	.....	8,521	.....	.....	.....	.....	385	.....	.....	.....	11,156	0.565	.....	.....	.....	.....	11,156	0.565	Asphaltic Concrete.
																						19,357	0.910	2,320	0.104	.....	.....	21,677	1.014	Total—**City Bridges.**
County Roads—																														
Asphaltic Concrete	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13,834	14,995	.....	10,138	15,418	.....	.....	.....	223,111	21.135	14,566	0.756	*8,440	*0.689	229,237	21.202	Asphaltic Concrete.
Bitulithic	.....	.....	.....	.....	.....	21,120	.....	.....	66,000	15,840	.....	52,272	.....	4,012	4,752	18,058	8,231	18,374	.....	.....	.....	73,614	6.702	68,373	2.436	.....	.....	141,087	9.138	Concrete.
Concrete	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,013 Taken Over	.....	.....	.....	.....	.....	.....	.....	*64,860 35,020	*6.141 3.192	.....	.....	
Macadam	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	366,452	34.964	.....	.....	.....	.....	266,572	25.631	Macadam.
																						663,177	62.801	82,939	3.192	108,320	10.022	637,796	55.971	Total—**County Roads.**
County Bridges—																														
Concrete	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21,715	35,325	0.963	21,715	0.702	.....	.....	57,040	1.665	Concrete.
County Bridges	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,524	0.315	.....	.....	.....	.....	4,524	0.315	Plank.
Plank	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20,936	1.056	.....	.....	.....	.....	20,936	1.056	Bitulithic.
Bithulithic	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,543	0.237	.....	.....	.....	.....	6,543	0.237	Wood Block.
Wood Block	.....	.....	.....	.....	.....	13,429	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13,429	0.404	.....	.....	.....	.....	13,429	0.404	R. R. Owned Bridge—Wood Block.
R. R. Owned Highway Bridge—Wood Block	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	80,757	2.975	.....	.....	.....	.....	102,472	3.677	Total—**County Bridges.**

*County Roads taken over.
**Pavements laid which do not increase mileage.



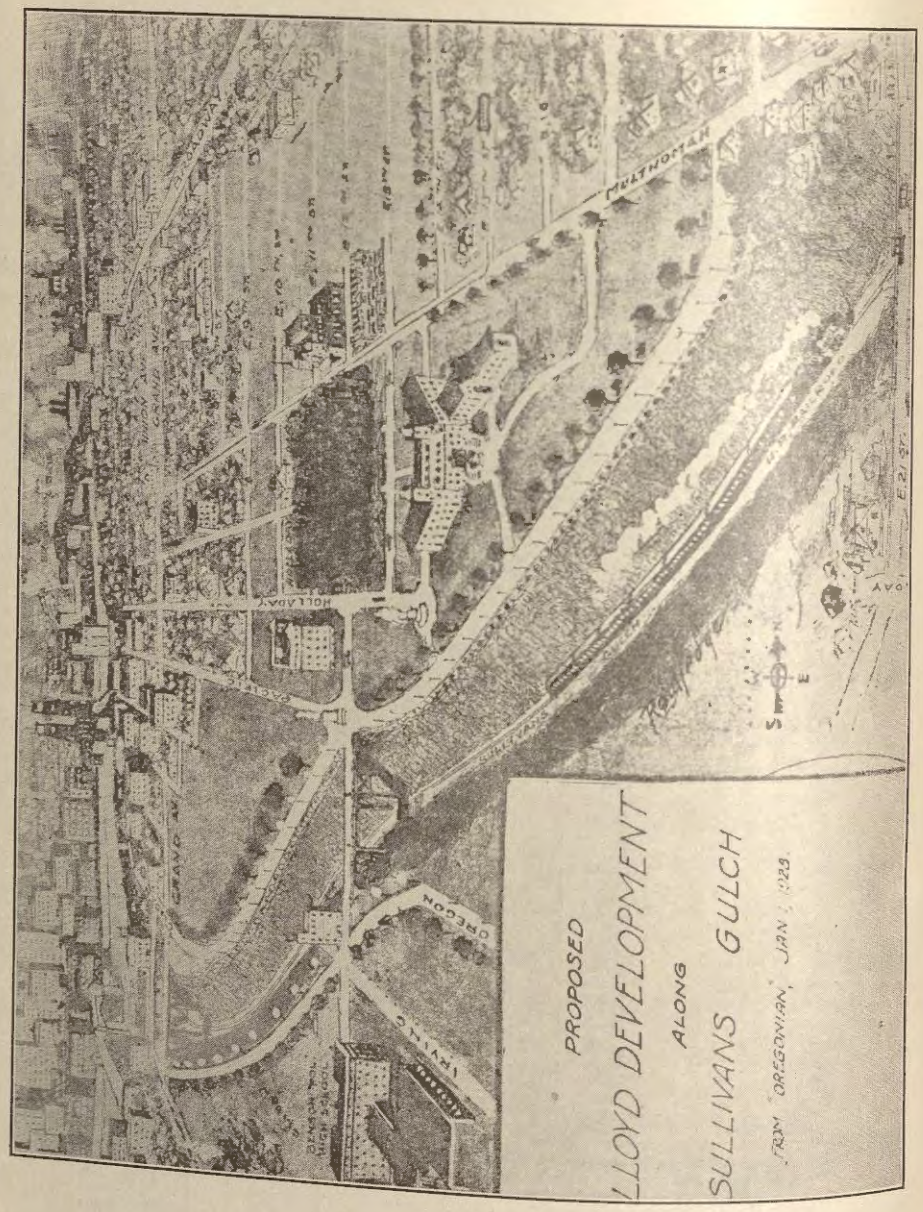
Insert No. 6—Page 230

HARD SURFACE PAVEMENT

Previous to—						
1908					746,307	37.958
1908	320,617	14.188			1,066,924	52.146
1909	482,568	25.160			1,549,492	77.306
1910	1,235,464	64.319			2,752,266	139.920
1911	2,086,886	110.463			4,839,152	250.383
1912	820,789	42.626			5,659,941	293.009
1913	874,065	46.325			6,534,006	339.334
1914	432,184	22.547			6,962,739	361.701
1915	86,544	4.515			7,049,283	366.216
1916	203,598	10.627			7,252,981	376.843
1917	105,617	5.510			7,355,500	382.217
1918	131,096	6.839			7,486,595	389.056
1919	124,156	6.477			7,610,752	395.533
1920	383,923	19.949			7,988,058	415.217
1921	471,147	25.581			8,458,405	440.698
1922	199,720	10.419			8,658,125	451.117
1923	285,264	15.223			8,932,306	465.763
1924	426,646	22.807			9,356,207	488.429
1925	456,966	26.567			9,777,307	513.305
1926	891,551	53.593			10,668,588	566.898
1927	805,608	46.637			11,495,466	612.886

LENGTH AND WIDTH OF STREETS AS EXISTING NOVEMBER 30, 1927, INCLUDING COUNTY ROADS

Street Widths, Feet	Length November 30, 1926	Less Streets Widened and Vacated, 1927	Net	Streets Added 1927, Including Full Width of Widened Streets	Total November 30, 1927
3	222	200	22		22
5	155		155	31	186
6	7,216		7,216		7,216
10	58,133	1,924	56,209	736	56,945
13	56,989				56,989
15	154,495			130	154,625
16	53,105				53,105
20	97,462	6,036	91,426	1,677	93,103
25	80,411	690	79,721	1,587	81,308
30	258,664	8,896	249,768	2,426	252,194
35	34,245		34,245		34,245
40	306,125	7,070	299,055	2,878	301,933
45	40,876	475	40,401	220	40,621
50	1,256,266	3,918	1,252,348	15,070	1,267,418
55	85,293	602	84,691	3,998	88,689
60	2,473,491	16,995	3,456,496	28,714	3,485,210
65	43,364	1,080	42,284	1,794	44,078
70	98,935		98,935	576	99,511
75	4,170		4,170	60	4,230
80	261,656	220	261,436	14,148	275,584
85	7,084		7,084	220	7,304
90	14,829		14,829	1,100	15,929
95	10,620		10,620		10,620
100	70,076		70,076	200	70,276
110	1,580		1,580		1,580
120	200		200		200
185	200		200		200
270	150		150		150
Total Miles	1,226.52				1,231.72 miles
Total County Roads, November 30, 1926				63.12 miles	
County Roads taken over as streets, Fiscal Year 1927				6.13 miles	
County Roads, November 30, 1927					56.99 miles
Total Streets less County Roads					1,174.73 miles



Among the most important street improvement projects completed during the year may be mentioned the paving of the streets at the west approach to the Ross Island Bridge known as the improvement of Corbett Street, et al., which work was done at a total cost of $133,667, also the improvement of streets leading to the Ross Island Bridge on the east side of the Willamette River known as the improvemen of Brooklyn Street, et al. The total cost of this improvement was $125,740. Vancouver Avenue from Broadway to Columbia Boulevard, a total distance of over three miles, was paved with asphaltic concrete and concrete No. 3 at a cost of $108,151. Sandy Boulevard between East Seventy-second and East Eighty-second Streets, a distance of approximately one-half mile was paved almost entirely with concrete at a cost of $30,614. Fremont Street, a very important arterial highway leading to the Columbia Highway, was paved with concrete between East Forty-second Street and Sandy Boulevard, a distance of approximately 1½ miles at a total cost of $64,572. Multnomah County contributed $40,000 for this improvement. Fifty-second Street Southeast between Foster Road and the southerly city limits, a distance of approximately 1½ miles, was paved with concrete at a cost of $78,281, of which amount $35,308 was contributed by the County of Multnomah. The paving of this street completed a very desirable traffic connection for the Southeast district in the City of Portland.

Another very large improvement project which was partially completed in the year 1927 was the paving of Interstate Avenue, which has not been entirely completed on account of some very heavy grading which was required at the southerly end of this project. The contractor's bid for this improvement was $138,697. The total length of the street to be improved is a little over 3 miles. When the Interstate Avenue paving is entirely completed there will be available another traffic artery leading to the Peninsula district in which a large number of the industries located in the City of Portland are situated.

PROPERTY DEVELOPMENT BY RALPH B. LLOYD

During the year Mr. Ralph B. Lloyd, a Los Angeles capitalist, took out a permit from this office for the improvement of Lloyd Boulevard which is to be 86 feet in width running along the northerly side of Sullivan's Gulch from Union Avenue to East Seventeenth Street. It is proposed to pave this boulevard with a 56-foot roadway. The completion of the boulevard will provide a very desirable traffic artery for property in the district between East Broadway, Sullivan's Gulch, Grand Avenue and East Seventeenth Street, in addition to tying in with the proposed development of a large area of property purchased by Mr. Lloyd in this section. During the year the grading of this boulevard was completed. The new grade will be allowed to settle within the winter months preparatory to placing the paving in dry weather. Over 100,000 yards of earth were moved during these grading operations. The accompanying photograph taken from an artist's drawing appearing in The Oregonian of January 1, 1928, shows the proposed development of this district. These improvements will no doubt enhance the value of property along Sullivan's Gulch and will provide for a very modern development.

NEW PLATS AND STREET DEDICATIONS

In view of the fact that practically all of the acreage tracts in the City of Portland have been subdivided, the number of new plats dedicated in each year is becoming less and less. During the year 1927 only ten plats of new additions were filed with the County Clerk. All of these plats are checked by this office for the purpose of determining the proper widths of streets and conformity with existing street layouts. The total number of lots added to the City of Portland by these ten plats were 788; 2.8 miles of streets were added. The plats filed are as follows:

Euclid Heights Annex
Re-plat of View Park
Hutchinson Addition
Leonora Place
Terwilliger Heights Re-plat and Extension
Water Bureau Addition
Re-plat Block 12, Arbor Lodge
Re-plat Block 8, Cannon Gate
Burlingame Blocks 50 and 51
Re-plat Burlingame

MAINTENANCE OF PAVEMENTS

The increase in the mileage of City pavements annually and the large number of pavements passing out of maintenance by the contractors each year increases the problem of maintenance of the City pavements. An appropriation of $90,000 was expended in the year 1927 for hard surface maintenance which amount is far from sufficient. Macadam and gravel streets have been kept in repair during the year as in former years except that an added expense has been incurred on account of a number of gravel center strips recently laid by the Construction Bureau as temporary surfacing in streets where the property affected had not sufficient valuation to cover the cost of a permanent improvement.

The wear and tear of intensive traffic on the older pavements laid in Portland demands continual maintenance on these streets to keep them in a useable condition. The appropriations for maintenance should be increased each year if the pavements are to be properly maintained.

PERMITS

On account of the extensions in the services of the various utility companies, a large building program constituting the construction of office buildings, apartments and residences, a large number of permits were requested from the Permit Division. Inspections are made of the underground installations for the purpose of securing work satisfactory to this office, and for the purpose of maintaining the office records which show the location of all underground structures. The following tabulation shows the large amount of work handled by the Permit Office under the direction of the City Engineer.

FRONT STREET INTERCEPTING SEWER AND DRAINAGE SYSTEM

The contract for the Front Street Intercepting Sewer and Drainage System was signed by the City officials and the contractor on November 9, 1926, and immediately thereafter the contractor began work upon the project, although work on a large scale was not begun until the spring of 1927. An application to the Secretary of War for a change in the harbor line was approved on April 4, 1927. This provided for a line

extending 55 feet toward the channel in the Willamette River at Morrison Street, and extending landward a distance of 45 feet at Pine Street, allowing for a straightening out of the sinuous westerly harbor line of the Willamette River. Acting upon a request from the contractor for a substitution of 8x12-inch sawed timbers in place of round logs in the cribs, the Board of Consulting Engineers consisting of M. M. O'Shaughnessy, City Engineer of San Francisco; Chas. W. Staniford, Consulting Engineer of New York; D. C. Henny and J. C. Stevens, Consulting Engineers of Portland; and James H. Polhemus, Manager of the Port of Portland; recommended the granting of this request, and in conjunction with the City Engineer, worked out some of the details of the construction which have been used by the contractor in forming and placing these cribs.

On June 24, 1927, the Board of Commissioners of the Port of Portland adopted a resolution approving the entire project as a Port development under Section 7121 of the Oregon Laws, thereby giving absolute title to the owners of abutting property to the accretion of property secured by the change in the harbor line. This action by the Port of Portland assisted greatly in obtaining of easements for the wall and for making the fill. At the close of the fiscal year 1927 practically all easements necessary were secured from the property owners. Negotiations for the wrecking of many obsolete and dilapidated dock structures were continued and at the close of the year practically all of the old docks had been removed from the waterfront. The cost of removing these structures will be charged against the property.

Immediately following the granting of the permit by the War Department, the J. F. Shea Company, and the Pacific Bridge Company, sub-contractors, began active work upon the project and placed selected fill material along the waterfront between Madison and Morrison Streets, and began the assembling of cribs at the west end of the Ross Island Bridge. Special machinery was installed for cutting the timbers and for forming the joints. The accompanying photograph shows this machine in operation. After the crews had become accustomed to this type of work they were able to complete one standard crib 100 feet in length in 4½ days. Each crib contains 210,000 F. B. M. of lumber. As soon as the cribs were completed they were towed to their proper position along the harbor line, and sunk in place by filling in the sinking pockets with selected gravel material. Great care has been taken in placing the cribs to the proper grade and line. A diving inspector employed by the City has been present at all times for the purpose of inspecting the submarine work. At the close of the fiscal year twenty cribs were installed in their proper position.

The driving of sheet piling at the toe of the cribs has been continued since June 6th. This work is carefully inspected in order that we may be assured that the piling is tightly joined, and that no openings exist between the piles at any point. The placing of rip-rap was begun on October 11th, and has been proceeding in a satisfactory manner. The rock used for rip-rap was a heavy quarry-run rock delivered to the job in timber skips each containing 3.8 cubic yards. The method used in placing the rip-rap assures an even distribution of the material at all locations.

The solid nature of the material in the river bottom at Stark Street



SPECIAL MACHINE FOR CUTTING TIMBERS

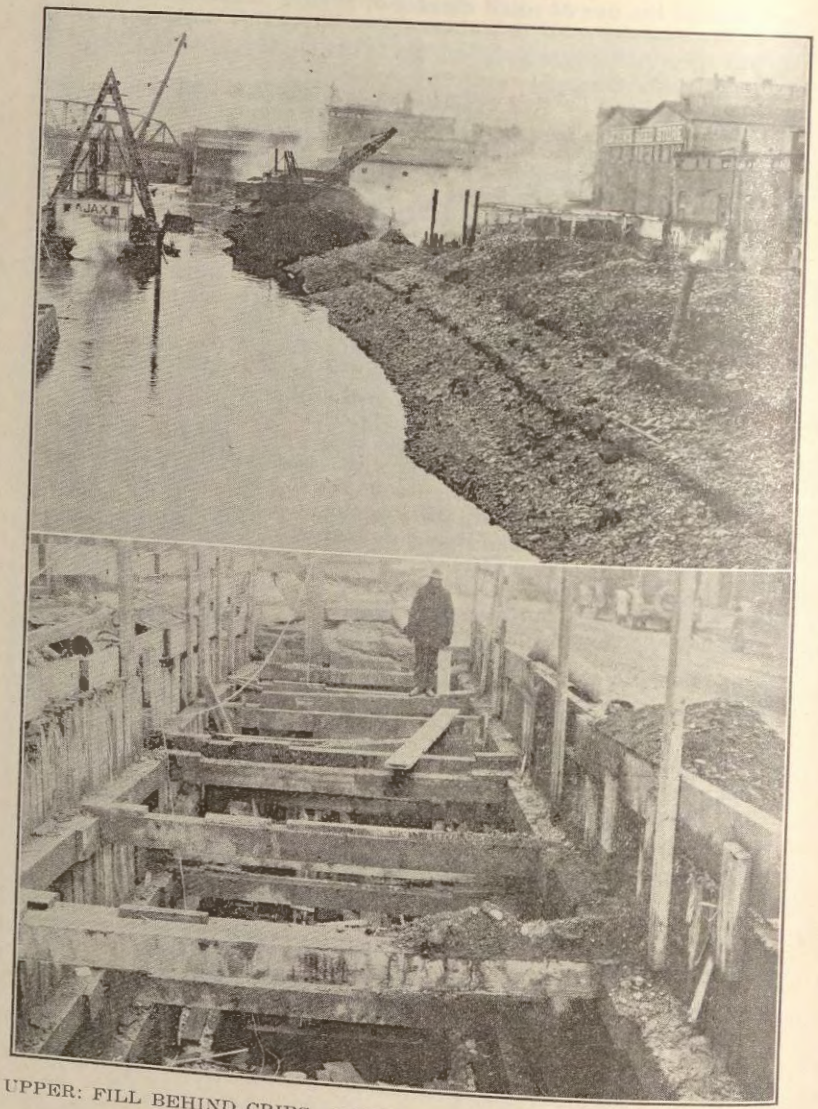
necessitated the use of small charges of powder to loosen the material before the dredges could operate satisfactorily. This work was carried on with very little disturbance to any of the buildings in the vicinity of the waterfront.

The special cribs which will be used as a foundation for the pumping plant building have been placed at the foot of Ankeny Street. Work at this point was suspended during the high water in the Willamette River, but will continue as soon as the water has receded. Material was filled in behind the cribs and on top of the cribs between Morrison Street and Madison Street to the greatest height possible for the purpose of bringing pressure to bear on the cribs and to settle the cribs to a permanent position prior to the construction of the concrete wall. The accompanying photograph shows the material placed as above described.

The J. F. Shea Company began work on the sewer in September, 1927. On account of a petition of the Front Street property owners filed with the Council on September 10th requesting that the tunnel method be used rather than the open cut method in the construction of this sewer, the tunnel method was approved by the Council, and work has been carried forward with very little interference with the activities of the Front Street merchants. To the casual observer the only visible evidence of work in Front Street is the shaft openings through the pavement. It was necessary on account of soil conditions to construct the sewer in Ankeny Street, also the junction chamber, by means of the open cut method. The rising water in the Willamette River suspended operations temporarily at this location. The Front Street Intercepting Sewer is progressing very rapidly, the contractor employing three shifts of men and working 24 hours in each day. Progress payments have been made on the entire job in the following amounts:

No. 1—January 6	$ 1,181.25
No. 2—April 1	4,950.00
No. 3—May 2	29,481.76
No. 4—June 1	58,348.49
No. 5—July 1	76,082.85
No. 6—August 1	110,227.55
No. 7—September 1	142,500.01
No. 8—October 1	96,647.98
No. 9—November 1	140,319.28
No. 10—December 1	$128,347.15
Total for year	$788,086.32

The accompanying photograph shows the timberings in the open cut of the sewer near Ankeny Street. It is expected that the entire project will be completed before the freshet period of 1929.



UPPER: FILL BEHIND CRIBS. LOWER: SEWER TRENCH TIMBERING

TRAFFIC STUDIES

The annual traffic count taken by this office upon the Willamette River Bridges was continued in the year 1927, and vehicles were counted on May 5, 6 and 7 corresponding to the dates upon which this office has been taking these counts each year since 1923. The average yearly increase in the volume of traffic on the Willamette River Bridges has been approximately 12 per cent. On Saturday, May 7, 1927, almost 130,000 vehicles traversed the seven bridges during 24 hours. The accompanying tabulation shows the intensity of traffic on the various bridges for 30-minute, 60-minute and 120-minute periods. While the new Burnside Bridge is not yet carrying the amount of traffic it is capable of carrying, it may be seen that a very large number of vehicles are making use of this bridge, the Broadway Bridge alone exceeding the Burnside Bridge in volnme of traffic carried. Traffic crossing the Ross Island Bridge has been increasing since the traffic count was taken on account of the completion of the paving on the arteries leading to and from this bridge. This annual traffic count is extremely interesting to show the distrihution over the various bridges and the increase year by year. No doubt its value may become more and more apparent as the need for additional bridges develops. In the past the County of Multnomah has taken monthly counts upon the bridges; however, they have not taken counts upon the Sellwood and Ross Island Bridges where there are no operators stationed. For this reason it is more than ever imperative that the City continue their counts if a continuous record is to be maintained.

VEHICULAR TRAFFIC, TRANS-WILLAMETTE RIVER BRIDGES, MAY 5, 6 AND 7, 1927

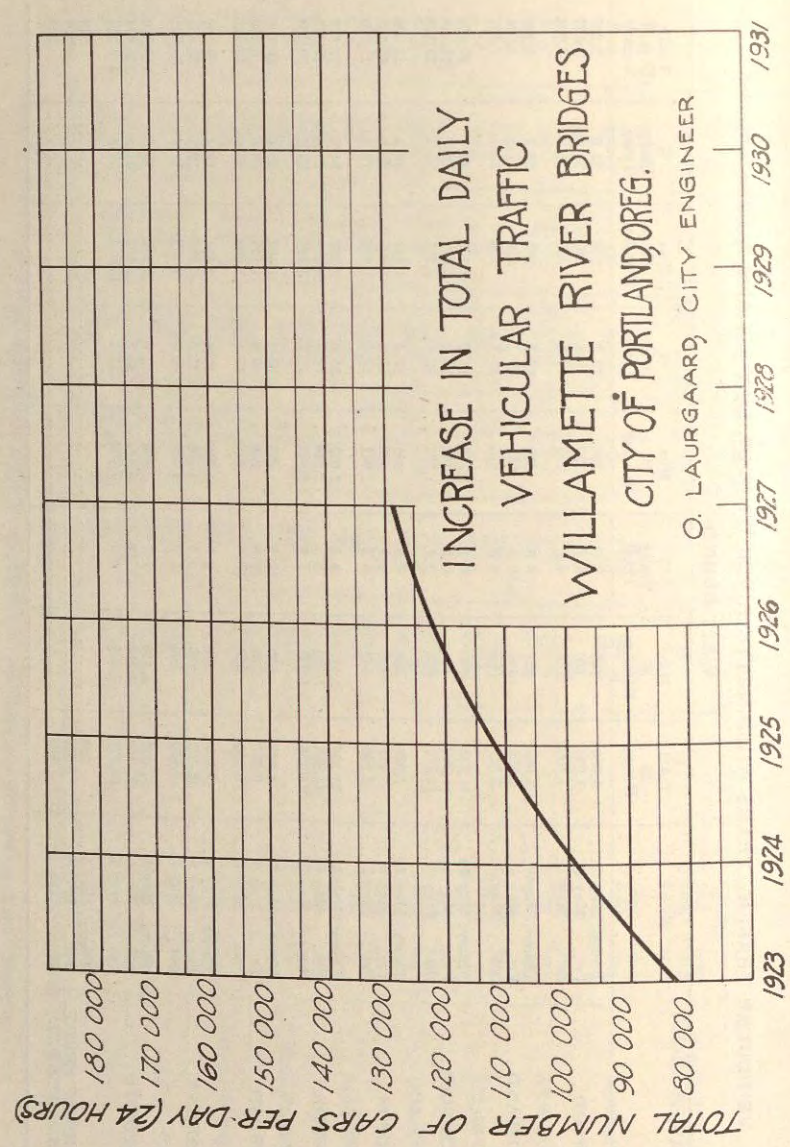
EAST BOUND

		Total 24 Hours	Max. 30 Minutes	% Daily Total	Max. 60 Minutes	% Daily Total	Max. 120 Minutes	% Daily Total
SELLWOOD	Thurs., May 5	1,582	130	8.2	246	15.5	432	27.4
	Fri., May 6	1,544	144	9.3	250	16.2	434	28.8
	Sat., May 7	1,893	120	6.3	195	10.3	367	19.4
ROSS-ISLAND	Thurs., May 5	3,615	321	8.9	577	16.0	1,041	28.8
	Fri., May 6	3,479	328	9.4	613	17.6	1,075	31.0
	Sat., May 7	3,634	193	5.3	385	10.6	746	20.5
HAWTHORNE	Thurs., May 5	11,714	774	6.6	1,454	12.4	2,646	22.6
	Fri., May 6	11,679	792	6.8	1,487	12.7	2,769	23.8
	Sat., May 7	13,106	591	4.5	1,179	9.0	2,340	17.8
MORRISON	Thurs., May 5	7,421	556	7.5	1,036	14.0	1,692	22.8
	Fri., May 6	7,934	570	7.2	1,030	13.0	1,823	23.0
	Sat., May 7	9,405	460	4.9	884	9.4	1,643	17.5
BURNSIDE	Thurs., May 5	14,303	1,020	7.1	2,011	14.0	3,485	24.4
	Fri., May 6	14,180	1,044	7.4	2,064	14.5	3,434	24.2
	Sat., May 7	15,909	748	4.7	1,396	8.8	2,710	17.0
RAILROAD	Thurs., May 5	5,260	639	12.1	1,123	21.4	1,836	34.9
	Fri., May 6	5,307	742	14.0	1,250	23.6	1,915	36.1
	Sat., May 7	5,157	275	5.3	544	10.5	1,035	20.1
BROADWAY	Thurs., May 5	14,115	887	6.3	1,728	12.2	2,961	21.0
	Fri., May 6	13,732	816	5.9	1,577	11.5	2,956	21.5
	Sat., May 7	16,111	680	4.2	1,302	8.1	2,577	16.0
COMPOSITE	Thurs., May 5	58,010	4,327	7.5	8,175	14.1	14,093	24.3
	Fri. May 6	57,855	4,436	7.7	8,271	14.3	14,406	24.9
	Sat., May 7	65,215	3,067	4.7	5,885	9.0	11,418	17.6
ST. JOHNS FERRY 6:00 A.M.-10:00 P.M.	Thurs., May 5	485	.....	.....	.....	.....	.....	.....
	Fri., May 6	457	.....	.....	.....	.....	.....	.....
	Sat., May 7	487	.....	.....	.....	.....	.....	.....

VEHICULAR TRAFFIC, TRANS-WILLAMETTE RIVER BRIDGES, MAY 5, 6 AND 7, 1927—Continued

WEST BOUND

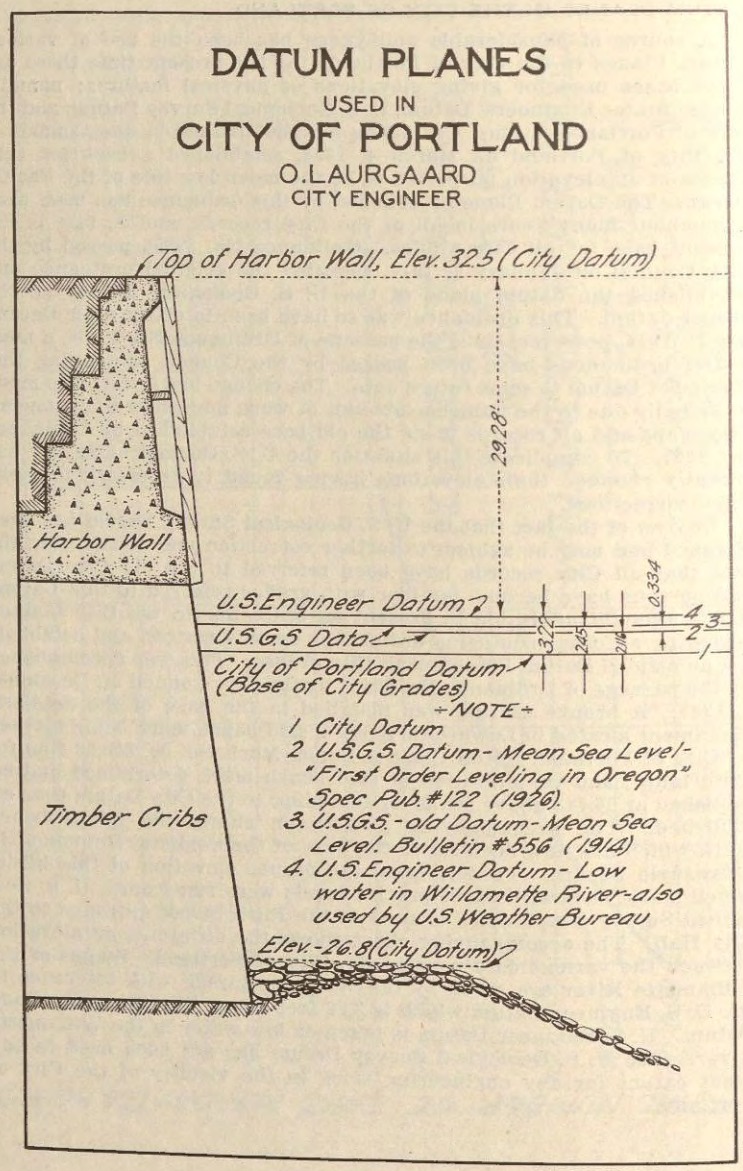
		Total 24 Hours	Max. 30 Minutes	% Daily Total	Max. 60 Minutes	% Daily Total	Max. 120 Minutes	% Daily Total	Totals (E. & W. Bound)
SELLWOOD	Thurs., May 5	1,668	129	7.7	254	15.2	368	22.0	3,250
	Fri., May 6	1,603	140	8.7	270	16.8	382	23.8	3,147
	Sat., May 7	1,800	120	6.7	230	12.8	336	18.7	3,693
ROSS-ISLAND	Thurs., May 5	3,665	351	9.6	636	17.3	963	26.3	7,280
	Fri., May 6	3,555	360	10.1	611	17.2	990	27.8	7,034
	Sat., May 7	3,827	375	9.8	618	16.2	983	25.7	7,461
HAWTHORNE	Thurs., May 5	11,238	680	6.1	1,259	11.2	2,152	19.1	22,952
	Fri., May 6	11,289	734	6.5	1,352	12.0	2,229	19.7	22,968
	Sat., May 7	12,772	688	5.4	1,291	10.1	2,237	17.5	25,878
MORRISON	Thurs., May 5	7,588	524	6.9	941	12.4	1,543	20.3	15,009
	Fri., May 6	7,731	498	6.4	992	12.8	1,607	20.8	15,665
	Sat., May 7	8,590	544	6.3	1,041	12.1	1,666	19.4	17,995
BURNSIDE	Thurs., May 5	13,276	1,117	8.4	2,053	15.5	3,283	24.8	27,579
	Fri., May 6	13,345	1,135	8.5	2,049	15.3	3,289	24.6	27,525
	Sat., May 7	14,359	1,093	7.6	1,942	13.5	3,244	22.6	30,268
RAILROAD	Thurs., May 5	4,848	620	12.8	1,003	20.7	1,482	30.6	10,108
	Fri., May 6	4,943	538	10.9	940	19.0	1,415	28.6	10,250
	Sat., May 7	5,390	553	10.3	947	17.6	1,560	29.0	10,547
BROADWAY	Thurs., May 5	15,047	980	6.5	1,748	11.6	2,921	19.4	29,162
	Fri., May 6	15,103	983	6.5	1,758	11.6	2,982	19.7	28,835
	Sat., May 7	16,985	906	5.3	1,683	9.9	2,948	17.4	33,096
COMPOSITE	Thurs., May 5	57,330	4,410	7.7	7,894	13.8	12,712	22.2	115,340
	Fri., May 6	57,569	4,388	7.6	7,972	13.8	12,894	22.4	115,424
	Sat., May 7	63,723	4,279	6.7	7,752	12.2	12,974	20.4	128,938
ST. JOHNS FERRY 6:00 A.M.-10:00 P.M.	Thurs., May 5	455	.....	.....	.....	.....	.....	.....	940
	Fri., May 6	421	.....	.....	.....	.....	.....	.....	878
	Sat., May 7	488	.....	.....	.....	.....	.....	.....	975



DATUM PLANES IN THE CITY OF PORTLAND

A source of considerable annoyance has been the use of various Datum Planes in the City of Portland. At the present time there are three bases used for giving elevations of physical features; namely, United States Engineers' Datum, U. S. Geological Survey Datum, and the City of Portland Datum. Ordinance No. 9667 passed by the Council of the City of Portland on March 4, 1896, established a base for City grades at an elevation purported to be the mean low tide of the Pacific Ocean. The Datum Plane established by this ordinance has been used throughout many years in all of the City records, and in fact is the present base for all City grades. Ordinance No. 28356 passed by the City Council on January 7, 1914, repealed the original ordinance and established the datum plane of the U. S. Geological Survey as the proper datum. This ordinance was to have been in effect after December 31, 1914, however, since the passage of Ordinance No. 28356, a number of ordinances have been passed by the Council postponing this change of Datum to some futnre date. The change has never been made principally due to the immense amount of work necessary to change all City maps and all records using the old base established by Ordinance No. 9667. To complicate this situation the U. S. Geological Survey has recently changed their elevations having found it necessary to make some corrections.

In view of the fact that the U. S. Geological Survey Datum has been changed and may be subject to further correction and considering the fact that all City records have been referred to the old City Datum and persons have become familiar with grades referred to this Datum, it was thought advisable to present an ordinance to the City Council repealing all other confusing ordinances on this matter, and establishing an official Datum Plane for all City grades. This was accomplished by the passage of Ordinance No. 53654 by the City Council on December 7, 1927. A bronze casting was installed in the base of the Soldiers' Monument located in Lownsdale Square, said hench mark being marked —"City of Portland, Initial Class A Bench Mark No. 00, $50.00 fine for disturbing", and the elevation of said bench mark determined and established at 56.743 above sea level according to the City Datum thus established. The accompanying photograph shows the initial bench mark which has now been set in the base of the Soldiers' Monument in Lownsdale Square. To determine the proper elevation of this initial bench mark, several lines of precise levels were run from a U. S. Geological Survey bench mark located at the Fifth Street entrance to the City Hall. The accompanying chart shows the difference in elevation between the various data used in the City of Portland. Stages of the Willamette River are given by the Weather Bureau with reference to the U. S. Engineer Datum which is 3.22 feet above the City of Portland Datum. U. S. Engineer Datum is taken as low water in the Willamette River. The U. S. Geological Survey Datum has not been used to any great extent for any engineering work in the vicinity of the City of Portland.



RECORDS OF THE STAGES OF THE WILLAMETTE RIVER

A very interesting study is presented in the accompanying charts showing the elevations of the water in the Willamette River each year from 1888 to 1927, inclusive. On June 7, 1894, the river reached a flood stage which has never been exceeded and one which may be considered as a very unusual occurrence in the history of Portland. All elevations are given in U. S. Engineers' Datum which may be reduced to City Datum by the addition of 3.22 feet to the recorded elevations. The stage of the water on June 7, 1894, was elevation 33.00 U. S. Engineers' Datum or 36.22 City Datum. It may be readily seen by the accompanying charts that high water has seldom exceeded an elevation of 25 feet, U. S. Engineers' Datum.

The following table shows disbursements from the Budget Appropriations of the Bureaus of Construction, Maintenance and Standards, cost of accepted street, bridge and sewer improvements including engineering, the amounts shown in Street Extension reports which have been adopted by the Council, also additional awards on property which has been acquired by the City during the fiscal years 1917 to 1927 inclusive.

TOTAL EXPENDITURES UNDER DIRECTION OF CITY ENGINEER

		Cumulative
1917	$ 554,493	$ 554,493
1918	722,287	1,276,780
1919	545,077	1,821,857
1920	2,793,192	4,615,049
1921	4,170,932	8,785,981
1922	1,616,681	10,402,662
1923	2,183,451	12,586,113
1924	1,758,022	14,344,135
1925	3,458,731	17,802,866
1926	3,661,661	21,464,527
1927	5,503,367	26,967,894

BUREAU OF CONSTRUCTION

From December 1, 1926, to December 1, 1927, the Bureau of Construction was in charge of Mr. L. G. Apperson. The activities of this Bureau consist of designing, preparation of plans and specifications, construction of bridges, viaducts, streets and sewers, preparation of street extension reports including appraisals to determine amount of damages and spreading assessments in connection with same, and the design and construction of ornamental street lighting systems.

STREET EXTENSION AND RIGHT OF WAY DIVISION

The Street Extension and Right of Way Division during the year 1927 concentrated its efforts largely upon the following projects:

Widening of Broadway, et al.: The report on this widening includes the opening of Williams Avenue, Multnomah Street, Weidler Street, Cherry Street, Broadway, Wheeler Street, Hancock Street and Larrabee Street, authority having been obtained by an amendment to the City Charter voted by the people at the election held in May, 1926. This project provides for the opening and widening of streets lying between the east approaches of the Broadway and Steel Bridges, and embraces an assessment district of over 6300 lots to defray 25 per cent of the total cost which was determined at $556,510.00.

Widening of East Burnside Street, from Gilham Avenue to the easterly city limits. The report on this widening provides for the opening of a 60-foot street from the present easterly terminus of East Burnside Street at Gilham Avenue to a connection with a proposed county road running easterly from the easterly city limits. This widening when completed will open East Burnside Street as a continuous artery from the westerly city boundary to the city limits at East Ninety-second Street.

Widening of Woodstock Avenue from East Sixty-ninth Street to the easterly city limits: The report for this widening was filed with the Council during October, 1927. Only 5 per cent of the property within the assessment district protested against the project. The purpose of this widening is to open Woodstock Avenue for its entire length as a counection between the southeast district and the Sellwood District, also a direct route is furnished to both the Sellwood and Ross Island Bridges.

Interstate Avenue Slopes: In connection with the improvement of Interstate Avenue between Delay Street and Beech Street, it became necessary to secure a right to slope the embankment upon adjoining properties. A report on such sloping rights was filed by the City Engineer, stating the amount of damages which should be paid. Before the slope-right was secured 11 appeal cases were tried before the Circuit Court, and additional damages of approximately $1300 were awarded to ten appellants.

Easements for Waterfront Project: Preliminary to construction of the harbor wall between Jefferson and Glisan Streets, rights of way were secured from all of the properties along the harbor between these streets.

In addition to work performed upon the opening of Broadway et al., East Burnside Street and Woodstock Avenue, eleven street opening reports were filed, making a total of fourteen street opening or extension reports filed during the year.

The various matters handled by this division are listed in the following tables:

STREET EXTENSION REPORTS FILED WITH AUDITOR

Street	Area Acquired in Sq. Ft.	No. of Lots in District	Cost	Status December 1, 1927
E. 34th St.	6,210	42	$ 1,745.00	In Lien Docket
E. 6th St.	7,438	18	3,415.20	Discontinued.
A New Street	26,037	74	1,534.00	Complete.
Salmon St. (2nd rep.)	62,367	163	69,358.00	In Circuit Court.
Broadway, et al.	201,814	5,371	556,510.00	In Circuit Court.
E. Glisan St.	20,061	52	19,614.00	In Circuit Court.
3rd St., et. al., Linn	21,589	183	1,082.55	In Lien Docket.
Humboldt St.	14,000	186	1,680.00	Remon. Period.
Morrie St.	8,330	44	919.00	In Lien Docket.
E. 47th St.	35,586	51	817.00	In Lien Docket.
69th St., S. E., et. al.	89,224	130	8,612.00	Discontinued.
E. Burnside and E. 73d	57,024	555	14,720.00	Remon. Period.
Woodstock Ave.	124,550	1,420	24,401.00	Remon. Period.
Arthur St.	10,289	232	2,218.21	Remon. Period.
Total (14)	684,519	9,521	$ 706,625.96	

COUNTY ROAD REPORTS FILED WITH AUDITOR

County Road	Limits	Length Feet	Status December 1, 1927
E. 42nd St.	Fremont St. to Killingsworth Ave.	5,292	Complete.
53rd Ave., S. E.	Intersection of 41st St., S. E.	80	Referred to County.
Boston Ave.	Parking strips from Ainsworth to Portland Boulevard	1,200	Complete.
Syracuse St.	Burlington to Leavitt	260	Referred to County.
Foster Road	82nd St., S. E., to City Limits	5,900	Referred to County.
	Total number reports (5). Length...	12,732′	

SET BACK ORDINANCES

Ord No.	Street	Set Back	Limit
51532	E. Morrison St.	12 ft. on each side	Grand Ave. to E. 20th St.
52087	E. 7th St.	40 ft. on east side	Brooklyn St. to Hancock.
51601	E. Burnside St.	Irregular—widen 80 ft.	E. 13th St. to E. 32nd St.
.....	Woodstock Ave.	Irregular—widen to 80 ft.	69th St., S. E., to 92nd St.

CONTRACTS ACCEPTED BY THE COUNCIL

Date	Number	Amount
December	8	$ 370,405.24
January	6	91,978.74
February	6	84,437.38
March	0	
April	2	2,187.62
May	4	14,373.31
June	24	101,612.57
July	38	148,857.05
August	55	369,858.17
September	45	315,237.66
October	72	689,828.90
November	25	147,221.06
Total	285	$2,335,991.70

COMPARISON OF UNIT PRICES FOR FISCAL YEARS 1925, 1926 AND 1927

Average Unit Prices for Fiscal Year	1925	1926	1927
Excavation, earth	$ .63	$ .56	$ .435
Excavation, old macadam	.80½	.67	.955
Excavation, concrete sidewalks and curbs	2.11	2.00	1.75
Excavation, trench	.83½	.79	.83
Embankment, common	.16½	.12	.0244
Embankment, rolled	.35	.....	.211
Sidewalks, concrete	.15½	.15	.144
Sidewalks, wood, 3 ft. wide	.59	.....	.496
Curb, concrete	.45	.43	.388
Crosswalks, concrete	.25	.....	.199
Crosswalks, wood, 2 ft. wide	.49	.48	.467
Crosswalks, wood, 4 ft. wide	.64	1.25	.789
Concrete, Class "A"	.....	16.16	14.05
Steel	.....	.07	.072
Concrete gutter pipe	1.12	1.50	.....
Header, 4"x12", wood	.24	.....	.205
Header, 3"x 8", wood	.10	.....	.11
3" Sewer Pipe (sidewalk drain)	.25	.21	.187
6" Cement or Vitrified Pipe	.39½	.35	.334
8" Cement or Vitrified Pipe	.49	.44	.416
Driveways, concrete, 6" thick	2.04½	2.01	1.758
Inlets	18.40	17.79	16.59
Gravel	.....	2.11	1.54
Macadam, crushed rock	3.00	2.39	3.10
Concrete pavement, No. 1	1.65	.....	.....
Concrete pavement, No. 3	1.79	1.74	1.469
Asphaltic concrete, No. 1 or No. 2	1.07	.....	1.03½
Asphaltic conctete, No. 1	.....	.95	.....
Asphaltic concrete, No. 2	.....	1.04	.....
Base	.46	.38	.354
Redress	.92	.....	.878
Concrete paving, No. 3, 7" thick	.....	.....	1.59
Concrete paving, No. 3, 8" thick	.....	.....	1.77
Bituminnus base	.....	.....	0.0053
Bituminous base, 3½" thick	.....	.....	0.81
Bituminous Base, 4" thick	.....	.....	0.96
8" corrugated iron pipe	.....	.....	0.995
10" corrugated iron pipe	.....	.....	1.40
Fine Grading	.....	.....	0.07½

RECORD DIVISION

Burlingame, vacation plat, from county records	1
Number grade ordinance established	104
Number curb line ordinance changed	115
Number street name ordinance changed	16
Number new additions, from county records	10
Number 50x100-foot lots in these new additions	788
Length of new streets, lineal feet	14,762
Length of new streets, miles	2.796

SEWER DIVISION

In fiscal year 1926 there were given out 104 petitions for sewers.

Sewer petitions received by month for fiscal year 1927:

December, 1926	0
January, 1927	0
February, 1927	11
March, 1927	9
April, 1927	5
May, 1927	2
June, 1927	6
July, 1927	1
August, 1927	2
September, 1927	3
October, 1927	5
November, 1927	4
Total	48

Eleven remonstrances were received during the fiscal year with an average percentage of 44.3 per cent.

SEWERS ACCEPTED BY COUNCIL

December, 1926	4 jobs	$ 46,080.12
January, 1927	4 "	29,218.14
February, 1927	6 "	67,277.28
March, 1927	14 "	21,670.15
April, 1927	12 "	192,868.19
May, 1927	5 "	12,671.40
June, 1927	9 "	34,763.55
July, 1927	3 "	4,034.38
August, 1927	14 "	49,237.55
September, 1927	8 "	13,217.60
October, 1927	6 "	85,611.70
November, 1927	6 "	15,012.14
Total	91 jobs	$571,662.20

SEWER JOBS AWARDED BY THE COUNCIL

December, 1926	17 Jobs	$ 47,175.69
January, 1927	3	4,525.50
February, 1927	6	21,261.20
March, 1927	10	29,370.36
April, 1927	4	19,911.10
May, 1927	7	29,987.25
June, 1927	5	63,281.45
July, 1927	14	29,322.93
August, 1927	9	252,386.34
September, 1927	5	14,269.86
October, 1927	1	4,268.60
November, 1927	4	6,616.29
	85	$522,376.57

AVERAGE OF LOW UNIT BID PRICE OF ALL MATERIALS USED IN SEWER CONSTRUCTION FOR FISCAL YEARS 1924, 1925, 1926, 1927

	1924	1925	1926	1927
24" Sewer Pipe	$3.80	$2.41	$2.49	$3.200
21" Sewer Pipe	2.42	1.91	1.92	2.225
18" Sewer Pipe	2.03	1.61	1.52	1.782
15" Sewer Pipe	1.47	1.18	1.12	1.354
12" Sewer Pipe	.98	.79	.81	0.888
10" Sewer Pipe	.69	.56	.58	0.657
8" Sewer Pipe	.53	.44	.45	0.489
6" Sewer Pipe	.40	.32	.33	0.362
Y Branches, 24" x 6"	14.00	8.29	9.35	11.75
Y Branches, 21" x 6"	11.00	6.77	7.11	7.90
Y Branches, 18" x 6"	7.50	5.65	5.80	6.965
Y Branches, 15" x 6"	5.50	3.86	4.59	4.95
Y Branches, 12" x 6"	3.81	3.10	3.75	3.32
Y Branches, 10" x 6"	2.69	2.26	2.38	2.46
Y Branches, 8" x 6"	2.07	1.80	1.73	1.96
Y Branches, 6" x 6"	1.77	1.28	1.14	1.40
⅛ Bends, 6" in diameter	1.21	1.06	1.02	1.213
Concrete Manholes, complete	71.54	64.60	65.04	66.77
Concrete Catch Basins, complete	.....	.....	.....	.....
Concrete Inlets, complete	22.61	18.55	18.70	17.62
Complete Connection with Sewer in	.....	16.90	14.06	14.69
Excavating and Refilling, Cu. Yds	0.92	0.71	0.72	0.765
Excavating and Refilling, Solid Rock	.....	5.56	3.13	3.20
Class A Concrete in place (1-2-4 mixture)	.....	20.00	19.17	14.60
Class B Concrete in place (1-2½-5 mixture)	.....	.....	.....	10.13
Crushed Rock or Gravel in place for Sewer Foundations (Cu. Yds.)	.....	3.91	2.79	1.16
Macadam Pavement taken up and relaid	.....	1.29	0.99	.....
Macadam Pavement taken up and new laid	.....	1.44	1.50	.....
Concrete Pavement taken up and relaid	.....	2.63	3.20	2.79
Connecting Inlet	.....	.....	.....	9.44
Oiled Macadam, Sq. Yd	.....	.....	.....	1.10
Bank Gravel, Cu. Yd	.....	.....	.....	1.92
42" Monolithic Concrete Sewer	.....	.....	.....	5.80
36" x 36" Monolithic Concrete Sewer	.....	.....	.....	5.65
30" Circular	.....	4.00	4.18	4.66
30" x 30" Concrete Sewer	.....	5.08	3.92	.....
36" Concrete Sewer	.....	5.00	5.08	.....
30" x 36" Sewer	.....	6.00	.....	.....

STREET IMPROVEMENT PETITIONS RECEIVED

Petitions	292
Supplemental petitions	137
Remonstrances	26
Preferential petitions	98
Change of name	2
Change of curb line	1
Waivers	4
Total petitions	560

BRIDGE AND STRUCTURAL DIVISION

In addition to the great volume of work handled in connection with the Front Street Intercepting Sewer and Drainage System a description of which is included in the fore part of this report, the following work has been done by this division:

Lovejoy Street Viaduct: The report of the special committee, consisting of Mr. A. J. Witchel, Chief Engineer, S. P. & S. Ry.; Mr. B. E. Palmer, Manager N. P. Terminal Company; Mr. Geo. W. Buck, County Roadmaster, and Mr. O. Laurgaard, City Engineer, regarding the proposed viaduct on Lovejoy Street connecting with the Broadway Bridge was filed with the Council on January 11, 1927. This report recommended the construction of a viaduct extending from the bend in the Broadway Bridge near Lovejoy Street to Ninth and Lovejoy Streets, thence westerly to Fourteenth and Lovejoy Streets, including an approach from Hoyt Street on Tenth Street, also the widening of Lovejoy Street from Thirteenth to Fourteenth Street to a width of 90 feet, and the widening of Fourteenth Street, to a width of 80 feet, from Kearney to Marshall Street; provided the Broadway Bridge was reconstructed to provide six lanes of traffic, three in each direction. The report also included a recommendation to eliminate the proposed viaduct on Ninth Street across the railway tracks to Front Street, and suggested a viaduct at Fourteenth and Thurman Streets with viaducts extending across the railway tracks and across Front Street with approaches on both Fourteenth and Thurman Streets. The lowering of the grade of Thirteenth Street between Kearney and Marshall Street was recommended to provide a restricted clearance of 18 feet 9 inches under the viaduct at Lovejoy Street. Further suggestions for roadways on the viaducts 38 feet wide and one sidewalk 6 feet wide and grades of 4 per cent on the Tenth Street approach and of 5 per cent on the Lovejoy Street approach were made. The total cost was estimated in the report to be about $800,000 including right of way, of which amount $190,000 was allowed for the viaduct from the Broadway Bridge to the west line of Ninth and Lovejoy Streets to be constructed by Multnomah County. The balance of the cost or $610,000 was apportioned as follows: Railroad companies 60 per cent or about $366,000, assessment district 20 per cent or about $122,000, City of Portland 20 per cent or about $122,000 less a credit of $91,000 by Multnomah County.

The cost of the Fourteenth and Thurman Street viaduct which as estimated in the report at $555,000 was apportioned as follows: Railroad companies 60 per cent or about $333,000, plus $50,000 transferred from Ninth Street viaduct, assessment district 20 per cent or about $111,000, City of Portland 20 per cent less the $50,000 transferred from

Ninth Street viaduct or about $61,000. The report also recommended the clearing of Ninth Street of all debris and paving same for its entire length from Hoyt Street to Front Street.

This above described report was referred to another committee consisting of Mr. Hans Rode, Consulting Bridge Engineer; Mr. J. P. Newell, Consulting Engineer for Multnomah County; Mr. Frank Reusswig, Oregon State Motor Association; Captain of Police Frank Ervin; Mr. Stanley Myers, District Attorney; Mr. Frank S. Grant, City Attorney, and Mr. O. Laurgaard, City Engineer. This committee reported to the Board of County Commissioners and the City Council under date of February 14, 1927, approving of the original viaduct plan as suggested in the report of the first committee except that the viaduct be designed to allow for a future west bound street railway track. The balance of the report considered the reconstruction of the hridge proper and the east approach of same and will not be considered in detail in this report. These reports were considered by the City Council and the Board of County Commissioners in joint session and the plans as finally agreed upon insofar as the Lovejoy Street ramps are concerned were the same as set forth in the reports. The agreements between the various railroad companies and the City of Portland were drawn up by the City Attorney and submitted to the railroad companies on July 27, and these were finally signed by the City through the Mayor and Commissioner of Public Works on November 2, 1927.

The following is a notation of the steps in the proceedings for the Lovejoy Street viaduct to date:

Ordinance declaring crossing dangerous and directing City Engineer to file report—8-24-27.

City Engineer's preliminary report filed—9-1-27.

Ordinance fixing time for filing report—11-2-27.

Agreement with railroad as signed—11-2-27.

City Engineer's report filed with Auditor—11-15-27.

Notices to railroad companies—11-19-27.

The report of the City Engineer was due to be sent to the Council on December 17, 1927. The detail plans as prepared for the report of the City Engineer follows substantially the plans as set forth in the special committee reports and call for a reinforced concrete viaduct connecting with the viaduct to be constructed by Multnomah County on Lovejoy Street at the west line of Ninth Street extending westerly on Lovejoy Street to grade on Fourteenth Street with an approach on Tenth Street to grade at Irving Street. Owing to petitions of interested property owners and railroad companies the approach on Johnson Street was eliminated. This better served the abutting property and eliminated much damage on account of change of grade. The accompanying plan shows the general plan of the viaduct and the general elevation with typical sections at various points. The cost as submitted in the report of the City Engineer was estimated at $610,000 including engineering cost, right-of-way and change of grade damages.

Southern Pacific Regrade and East Side Bridge Approaches: Some additional work was done on this project, both on plans for each approach to a proposed new Morrison Bridge and for the east approach

to the Hawthorne Bridge. Estimates were prepared for several different plans in each case to determine which plan was most suitable and all plans studied with reference to the proposed elevating of the Southern Pacific tracks. This data had not been assembled in a report at the end of the year and will probably be held up until such time as a new Morrison Bridge is demanded by the people of the city.

Terwilliger Boulevard Viaduct: Plans were prepared for a viaduct to replace an old wooden structure which spans a deep gulch on Terwilliger Boulevard. An attractive viaduct of Moorish architectural type was designed for this location, as shown in perspective on the accompanying photograph. It was estimated that the viaduct could be constructed for the sum of $58,560. It was estimated by this department that a fill at the same location with all appurtenances would cost $65,060.

After the plans and specifications for the viaduct were filed with the Purchasing Agent and bids requested, some discussion arose as to the relative merits of a viaduct or a fill at this location. Mr. C. P. Keyser, Superintendent of Parks, desiring to serve some property located west of the present viaduct, recommended that a fill be made further west in the gulch and that the alignment of Terwilliger Boulevard be changed to meet this condition. A fill at the location selected by Mr. Keyser, where the gulch is not so deep, was estimated at a lower cost than either a fill or a viaduct at the location of the present timber structure, although a viaduct could be built at this same location for a less expenditure of funds and with less inconvenience to the vehicular traffic during construction. The Council accepted the recommendation of Mr. Keyser awarding a contract for the fill nnder his jurisdiction.

East Seventh Street Viaduct: An additional appropriation for the preparation of plans for this viaduct was allowed in the 1927 budget but owing to an opinion of the City Attorney and the decision of the O. W. R. R. & N. Co. to the effect that they would not willingly participate in the cost of any viaduct over Sullivan's Gulch to he constructed in the future, the Council did not authorize the actual preparation of plans, and no additional work was done.

Seventh Street Viaduct in Burlingame: Detail plans and a preliminary estimate of cost were prepared for a viaduct across the gulch in Burlingame extending from Seventh and Roland Streets to Mersey Street on the south side of the gulch. These plans called for the use of the old steel from the Vista Avenue Viaduct with some refabrication to fit the new grades, and a decking of laminated cedar or fir joists with an asphaltic concrete topping. A roadway of 20 feet was provided with one sidewalk on the east side. These plans were filed under regular street improvement proceedings with the improvement of Welland Street, et al., which called for the grading and graveliug of the street as laid out and extended south to the city limits which when completed will afford connection with a proposed county road from Oswego to Terwilliger Boulevard. The preliminary estimate on this project was $48,311; bids were asked on Augnst 17, Lindstrom & Feigenson being low bidders, with a bid of $50,767, which

was accepted by the Council. The accompanying drawing shows the general plan and elevation of the structure as designed.

East Sixteenth Street Viaduct: Plans and estimates were practically completed for a viaduct across Sullivan's Gulch at East Sixteenth Street. Plans as prepared call for a reinforced concrete viaduct with three-column bents on spread footings placed on gravel foundation, a roadway of 54 feet in width with two 6-foot sidewalks, and an overall length of the structure of about 367 feet.

East Forty-second Street Viaduct: A resolution was prepared and submitted to the Council authorizing the preparation of plans for a viaduct on East Forty-second Street across Sullivan's Gulch. This resolution was not passed owing to an opinion of the City Attorney relative to viaduct structures over Sullivan's Gulch, and to the decision of the O. W. R. R. & N. Co. not to participate in the cost. Accordingly no work was done on the plans during the year.

Water Street Fill: Plans and estimates were prepared for the fill across the Woods Street Gulch on Water Street by the Drafting Division; active work being delayed pending the acquisition of right-of-way for the slopes.

Interstate Avenue Fill: The contract for the fill on Interstate Avenue in connection with the grading of the new extensions of that street was awarded to J. A. Lyons under regular street improvement proceedings. The proposed bridge across Interstate Avenue on Fremont Street has been delayed at this time but the abutments were designed and built under the contract for the fill in such a way that the future bridge can be built between them without much additional work. Progress on this work has been delayed owing to the court appeals on slope easements, but the work should be completed in 1928.

East Broadway and Larrabee: Following an agreement with property owners on East Broadway between Crosby Street and Benton Street and on Larrabee Street between East Broadway and Dixon Street to accept the city's awards and give possession to the property pending appeals, plans were prepared for the improvement of East Broadway between the bridge and Benton Street to a total width of 100 feet, and of Larrabee Street between Cherry Street and Dixon Street to a total width of 90 feet. These plans called for the widening of East Broadway 20 feet on the south side between Crosby and Larrabee by construction of a reinforced concrete retaining wall along the new curb line with elevated concrete sidewalk, filling behind the new wall with gravel and paving the area in the roadway with reinforced concrete. A pedestrian subway was provided under Crosby Street with stairways to obviate the necessity for pedestrians crossing this street at grade. East Broadway was widened 20 feet on the north and south sides between Larrabee and Benton Streets by tearing out the old walks and curbs and laying new walks, curbs and pavement. Larrabee Street, from East Broadway to Dixon Street was widened 15 feet on the west side by tearing out the existing walks and curbs and laying new walks, curb and pavement. The east side was widened 3 feet by cutting back the curb and paving the additional street area. Larrabee Street was widened for approximately 150 feet south of East Broadway by cutting back the curbs 3 feet and paving the additional area. A complete system of pedestrian subways was provided around the intersection of East Broadway and Larrabee with stairways up to each sidewalk corner and to each of four loading platforms for street cars. The reconstruction of all the street car tracks was provided for with the exception of the old west track on Larrabee Street and the tracks on East Broadway east of Larrabee Street. Plans for this work were filed with the Purchasing Agent on August 30, the estimated cost of the work being $55,383.80, proposals were opened September 8, L. H. Hoffman being low bidder with a bid of $46,527.31, and the contract was awarded to L. H. Hoffman and dated on September 21, 1927. Work was started at once by the Water Bureau in moving their mains to make way for the subways, and the work progressed very well considering the hindrance from traffic and the delays in removing the buildings from the new street area. By the end of November the work had progressed to a point where it was possible to throw the street open to street cars and to allow vehicles to enter the bridge from Larrabee Street on the north and to leave the bridge via Crosby Street on the south. All the work was completed with the exception of the Crosby Street subway and the loading platform on Larrabee south of East Broadway at the end of the fiscal year.

East Thirty-third Street Viaduct: Preliminary plans and estimates were prepared for a viaduct over the tracks of the O. W. R. R. & N. Co. near Columbia Slough Road on East Thirty-third Street in order to include an item for the 1928 budget An ordinance was passed by the Council declaring the grade crossing dangerous and authorizing the preparation of plans. The estimated cost as submitted for the budget was $70,089.65 including engineering and right-of-way costs.

Vancouver Avenue Viaduct: The ordinance declaring the grade crossing of Vancouver Avenue with the tracks of the O. W. R. R. & N. Co. dangerous was passed January 19, 1927, and the ordinance fixing the time for filing the City Engineer's report was passed July 20. Plans were prepared for a reinforced concrete viaduct of 19 spans 20 feet 10 inches each with 4 column bents, the footings of which are carried to gravel bearing. The roadway width is 40 feet with two cantilever sidewalks 8 feet wide. Filled approaches with reinforced concrete pavement and concrete sidewalks and curbs provide grades of +1 per cent from Farragut Street north and of +5.3 per cent from Columbia Slough Road south. Approximately 15,000 cubic yards of fill was placed in connection with the improvement of Vancouver Avenue from East Broadway to Farragut Street; this material being placed on both sides of the road north of the O. W. R. R. & N. Co. tracks. The estimate as filed with the Auditor on July 22 gave the cost of the project as $109,283.86, which included engineering and right-of-way and change of grade damages. This cost was apportioned as follows: O. W. R. R. & N. Co. 60 per cent or $65,570.32, assessment district 20 per cent or $21,856.77, City of Portland 20 per cent or $21,856.77. The resolution fixing the assessment district for the improvement was passed on November 23 and the hearing set for remonstrance on same set for December 21. Approximately four months' time must elapse before a contract can be signed and work started, according to the Charter provisions governing grade eliminations.

SURVEY DIVISION

The year of 1927 was a busy one for the Survey Division. During the construction season 13 field parties, numbering 45 men, were employed under the direction of Mr. H. G. Richardson, Chief Surveyor. Most of the time was taken by the street improvement program which included many large improvements. The sewer program took all the time of two parties during the season with an extra party during the construction season. The street extension and street widening program has kept two parties busy nearly the entire year.

Resurvey work is an important function of this division. Most of this work is now carried on along with the street improvement work, but such surveys are usually of a scattered nature; and, while eliminating local difficulties, they do not build into a complete city-wide network very rapidly. A very extensive and workable survey of this nature was carried out in the Linnton district.

Twenty-six men from the Survey Division were used on the annual bridge traffic count taken May 5, 6 and 7. This survey is becoming of unusual inportance. During the past two years, new bridges have been opened, bridge approach streets have been or are being widened, and automatic traffic signals have been installed at the approaches of several of our bridges. Only a continued and regular traffic count can tell how the flow of traffic is adjusting itself to these conditions.

When construction work was begun on the new Waterfront project, two parties were kept busy by this improvement; one on the sewer, and one giving alignment and grades for the harbor wall.

For many years the City of Portland has been without an official datum plane for establishing grades. It was the intent to refer all the original bench level surveys to the United States Geological Survey elevations, but proper authority for the change was never given. In the meantime all grades were still being established on the basis of the original city bench level surveys. As there is an equation of 2.45 feet between the city's original datum and that of the United States Geological Survey, it would be an expensive undertaking involving many complications to change the established grades of the city to a new base of grades at this time. Therefore the original City of Portland base of grades has now been made official and a bench mark was set in the base of the Spanish War Veterans' Memorial Monument in Lownsdale Square as the initial bench mark for all bench level surveys for the City of Portland. This bench mark is marked number 00 and has an elevation of 56.743 feet above City Datum. This elevation was established by levels run from the United States Geological Survey bench mark on the City Hall, which has previously been used as an initial bench.

The following is a table of work performed by the Survey Division for the year of 1927:

FIELD WORK COMPLETED BY SURVEY DIVISION

	Lin. Ft.
Cross-sections	623,580
Grading stakes	218,570
Finishing stakes for grading	178,660
Sidewalk line and grade stakes	242,060
Gutter points for pavement	245,304
Profile levels	135,520
Street extension surveys	207,400
Looking up points for and retracing street lines	921,600
Surveys for placing of: (a) monuments, (b) iron pipes	110,400
Miscellaneous survey work	369,540
Measuring up contract work done	34,200
General levels	22,800
Preliminary survey for line of sewer	115,000
Profile levels for sewer	36,600
Line and grade for sewer	290,800
Measuring sewer branches	80,152
Resurveys	501,400
Stadia topography	58,200
Traverse line	637,360
Triangulation	60,800

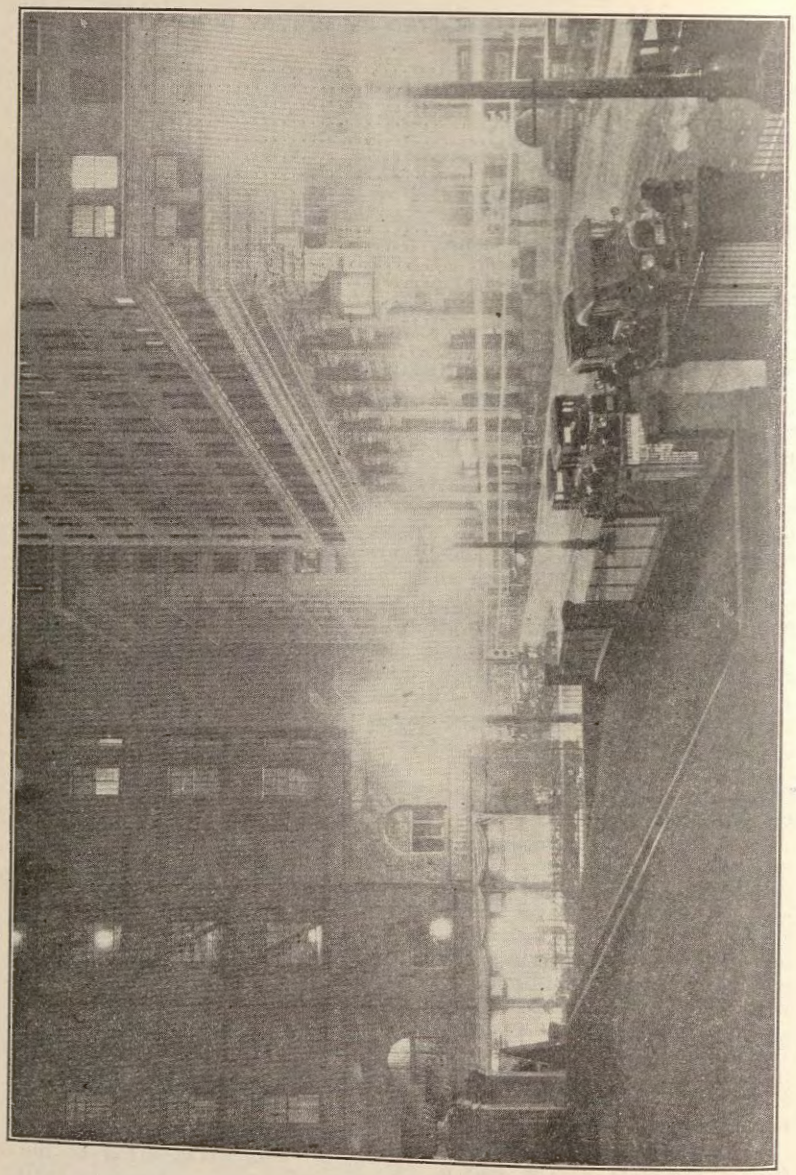
ELECTRICAL DIVISION

During the year ending November 30, 1927, the third year of the existence of this department, five street lighting systems which had been begun during the preceding year were completed and plans and specifications for four additional systems were filed and contracts awarded. Construction work on two of the new systems was started and one of these was practically completed at the end of the year being accepted and placed in operation December 6, 1927.

Construction on the following five systems was started previous to December 1, 1926, and completed during the winter: Eleventh Street (placed in operation 12-24-26), Fifth Street, Sixth Street, U. S. Grant Park (these three systems put in operation 1-26-27) and Washington Street (placed in operation 2-22-27). The final estimates for these five systems totaled $309,001.66, of which amount $156,519.75 was for installation and equipment and $152,481.91 was for maintenance and electric current for five years.

Plans and specifications for the following four systems were filed during the year and contracts awarded: Morrison Street, Tenth Street, Alder Street and Fourth Street. The contracts for these four systems call for an aggregate expenditure of $376,236.57, of which $218,137.74 is for installation and equipment and $158,098.83 is for maintenance and electric current for five years. These four systems when completed will illuminate streets totaling in length 3¼ miles and will require equipment as follows: 391 two-light posts, 2 wall brackets, 784 lighting fixtures, 392 post base transformers, 21 miles of cable, 714 miles of No. 10 wire and 392 disconnecting potheads. The lamps installed on the four systems will produce a total illumination of 571,600 candle power, requiring a power plant capacity of approximately 550 horsepower.

The construction work on the Morrison Street system was practically complete at the end of the year. The construction of the Tenth Street system is making satisfactory progress and will be completed about January 20, 1928, and includes the setting back of the



MORRISON STREET LIGHTING SYSTEM

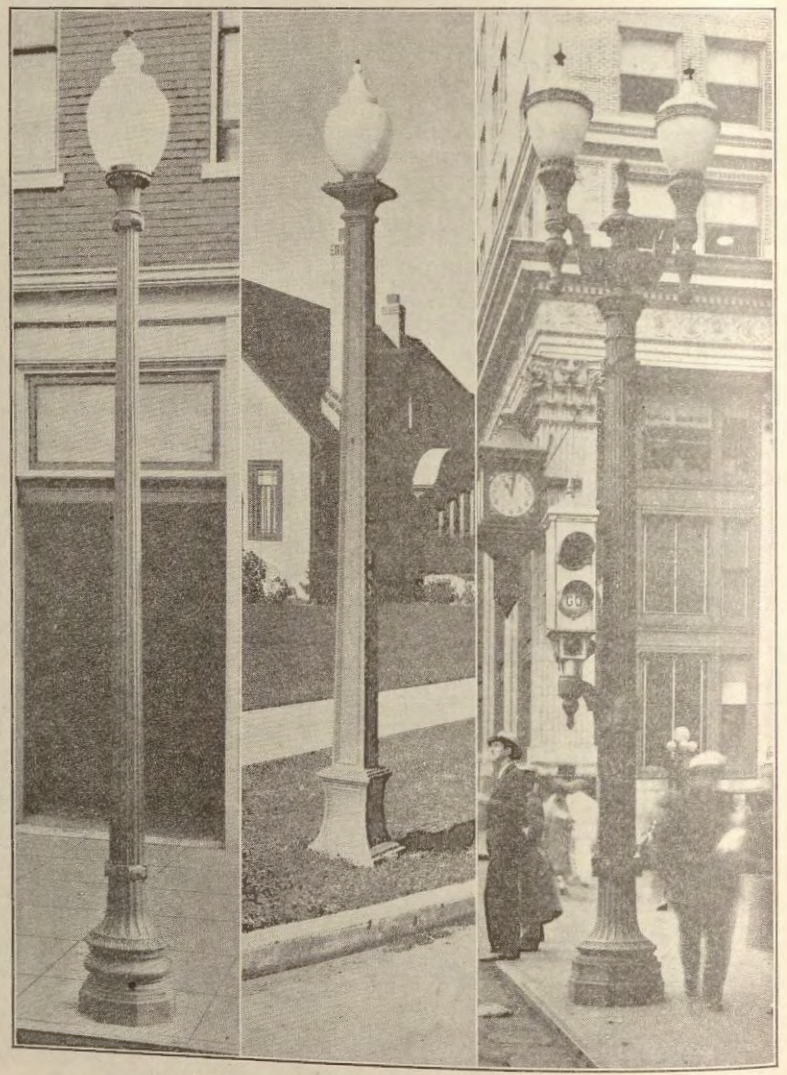
curbs 3 feet on both sides of the street from Stark Street to Hoyt Street, thereby widening the roadway from 36 feet to 42 feet.

Construction of the Fourth Street system will be started early in January, 1928, and should be completed about March 10, 1928, and work on the Alder Street system will be started about January 30, 1928, and should be completed about April 1, 1928.

At the close of the year there are no petitions on file with the department for additional street lighting systems, but preliminary information on costs and equipment has been furnished to property owners interested in additional street lighting improvements, and petitions are now being circulated for several contemplated installations.

ORNAMENTAL STREET LIGHTING SYSTEMS — TABULATION OF LIGHTS, CABLE, LENGTH OF STREET ILLUMINATED AND DATE RECEIVED

	No. of Lights	Total Candle Power	Cable, Feet	Street Length, Feet	Date Accepted
Broadway	214	321,000	29,000	4,550	December 23, 1925
Wabash	12	4,800	3,166	1,350	September 8, 1926
Grand Avenue	254	148,580	32,186	5,270	October 29, 1926
Jersey Street	51	30,600	9,332	2,350	November 20, 1926
11th Street	68	52,000	9,825	1,600	January 19, 1927
6th Street	146	142,800	19,422	3,140	January 26, 1927
East 33rd Street, et. al	28	11,200	4,977	3,700	January 26, 1927
5th Street	152	107,200	19,676	3,180	January 26, 1927
Washington Street	294	290,800	41,000	6,700	February 23, 1927
Morrison Street	258	192,000	35,917	5,760	December 14, 1927
10th Street	200	143,200	27,500	4,250	
4th Street	154	110,800	21,500	3,270	
Alder Street	174	126,000	25,000	3,840	
Total	2,005	1,680,980	278,501	48,960	
Total Miles	.....	.....	52.74	9.27	



TYPES OF LIGHTING SYSTEMS INSTALLED

ORNAMENTAL STREET LIGHTING SYSTEMS—TABULATION OF COSTS OF SYSTEMS INSTALLED AND UNDER CONTRACT

	Installation	6%	Maintenance	Total
1925—				
Broadway	$ 47,438.55	$ 2,846.31	$ 71,975.00	$ 122,259.86
1926—				
Wabash Avenue	1,595.68	95.74	3,241.20	4,932.62
Grand Avenue	73,714.22	4,422.85	41,188.98	119,326.05
Jersey Street	12,798.53	767.91	9,206.62	22,773.06
Total—1926	$ 88,108.43	$ 5,286.50	$ 53,636.80	$ 147,031.73
1927—				
Washington Street	$ 66,241.31	$ 3,974.47	$ 68,652.97	$ 138,968.75
6th Street	32,645.69	1,958.74	33,894.43	68,498.86
11th Street	14,525.20	871.50	14,549.99	29,946.69
East 33rd Street, et. al	2,890.02	173.40	5,434.40	8,497.82
5th Street	32,802.34	1,968.14	29,950.12	64,720.60
Total—1927	$ 149,104.56	$ 8,946.25	$ 152,481.91	$ 310,532.72
1928 (Est. on contracts awarded)—				
Morrison Street	$ 55,673.28	$ 3,340.40	$ 51,572.22	$ 110,585.90
10th Street	62,068.00	3,724.08	39,811.41	105,603.49
4th Street	41,767.50	2,506.05	30,951.66	75,225.21
Alder Street	44,448.05	2,666.88	35,763.54	82,878.47
Total—1928	$ 203,956.83	$ 12,237.41	$ 158,098.83	$ 374,293.07
Summary—				
1925	$ 47,438.55	$ 2,846.31	$ 71,975.00	$ 122,259.86
1926	88,108.43	5,286.50	53,636.80	147,031.73
1927	149,104.56	8,946.25	152,481.91	310,532.72
1928 (Estimated)	203,956.83	12,237.41	158,092.83	374,293.07
Grand Total	$ 488,608.37	$ 29,316.47	$ 436,192.54	$ 954,117.38

In addition to the street lighting improvements planned and supervised during the year, plans and specifications have been prepared for and construction has been supervised on several improvements and special work: The lighting system on Vista Avenue bridge was tested and put in operation December 6, 1926. Plans and specifications were prepared for electric lighting installations for the Vancouver Avenue viaduct, the Lovejoy Street viaduct, the Interstate-Ainsworth pedestrian subway and the Broadway-Larrabee pedestrian subways and car loading platforms. Installation of the lighting systems in the two pedestrian subways was supervised and the systems put in operation, the Interstate-Ainsworth subway on October 26, 1927, and the Broadway-Larrabee on December 18, 1927. The dismantling and re-erection of the electrical equipment on the traveling bridge crane purchased by the Municipal Paving Plant was done under the supervision of this department. Due to the inability of the Power Company to furnish anything but alterating current at the site of the new plant this work also included the writing of specifications and supervising the erection of a 150- K. W. motor-generator set for the furnishing of 600 volt direct current to the crane equipment.

The reconstruction of the Municipal Garbage Incinerator building and the installation of new furnaces in same was carried on during the last six months of the year under the supervision of this division.

The reconstruction of the building included the following work and equipment: The installation of a new 15-ton truck scale, the repairing and waterproofing of the existing tile roof, the repairing of the driveway to the charging floor, the installation of new steel sash windows throughout the building, the installation of new steel rolling doors, the installation of a ventilating monitor on the roof, the repairing of roof gutters and the installation of new downspouts, the installation of a new lighting system, the cleaning and painting of the steel roof supports and all the outside steel and sheet metal work and the construction of a sewer to connect with the sewer in Lake Street. Fires in the new furnaces were started October 12 and a 60-day test run was started October 18 to be concluded about December 20.

MUNICIPAL GARBAGE INCINERATOR

During the first part of the year the City Council awarded to the Nye Odorless Crematory Company of Macon, Georgia, a contract for three of their No. 25 furnaces to be installed in the existing incinerator building.

This building housing the old Fred Smith Destructor, which was erected in 1910, had been in constant use since its completion. Due to the need of repairs to the equipment and furnaces the amount of garbage disposed of at the plant since 1923 had been reduced to approximately 25 per cent of the original capacity. The sanitary fills where the balance of the garbage was deposited were being completed and as a consequence it was necessary to either provide for extensive repairs and reconstruction of the old furnaces or to install entirely new equipment. After thoroughly investigating all available types of equipment for the destruction of garbage, this office made a report to the Council recommending that "Nye" furnaces be purchased and installed. As this report was endorsed by the Superintendent of Garbage Disposal and the Commissioner of Public Affairs, under whose supervision the Bureau of Garbage Disposal is operated, the contract was awarded as above outlined.

During the reconstruction of the building to accommodate the new furnaces additional repairs and improvements as follows were made:

Sewer connection was provided to the existing sewer in Lake Street; a new 15-ton motor truck scale with a weightograph attachment was installed; the roof was repaired and a ventilating monitor constructed on same; the old wooden frame windows were replaced with steel sash windows glazed with wireglass and the wood doors were replaced with steel rolling doors; new downspouts were installed and new conduit wiring installation was provided for electric light and power; the driveway to the charging floor was repaired and a wash rack installed for the scavenger trucks; the building was whitewashed inside and all steel work was painted.

The work of preparing for the new furnace installation was started in June and the furnaces were ready for the first drying out fires on October 12. On the 18th of October the test run, which was provided for in the contract was begun.. This test was concluded on December the 21st, and in view of the successful performance of the

furnaces, recommendation was made to the Council that the plant be accepted, which was done on December 28.

The cost of the new furnaces installed was $99,640, the cost of the miscellaneous other repairs and improvement was $11,395.94, and the cost of engineering and supervision was $1,680.94, making a total of $112,716.88 for the completed improvement.

During the year there has also been considerable work done in checking plans submitted by the manufacturers of equipment ordered for the sewage pumping plant to be constructed in connection with the Front Street Intercepting Sewer and Drainage System.

SEWER CONSTRUCTION DIVISION

There has been considerable activity in sewer construction during the fiscal year 1927, 91 jobs having been completed and accepted by the Council, with a total value of $571,662; two contracts amounting to over $200,000 total value were unfinished on December 1.

The most notable contract under construction during the year is the Front Street intercepting sewer and appendages. This work does not properly come under the Division of Sewers excepting in a small way, but is being handled directly under the Division of Bridges; only a brief mention of the work will be made on that account. The construction of the sewer structure was begun on September 13 by the J. F. Shea Company in Ankeny Street about 90 feet east of Front. Owing to the congested condition in Front Street due to heavy traffic, permission was given the contractor to build the sewer in tunnel where tunneling was possible and practical. A shaft was sunk at Oak Street in Front Street and tunneling began at that point. On December 1 this tunnel was completed between Oak Street and Jefferson Street, except in two places where a few feet of earth had to be moved in order to connect the headings.

Three important jobs under the Sewer Division for the year are the East Forty-second Street and Holman Street Sewer, Russett Street and Mallory Avenue sewer, and the Fifty-fifth Avenue Southeast and Sixty-seventh Street Southeast sewer system. The East Forty-second Street and Holman Street sewer was built in a dry gravel formation with an unexpectedly great number of large boulders lying at or about sewer grade. These boulders lying at the bottom of a very deep trench made an extremely slow and expensive piece of work for the contractor who expected to finish in August, but did not complete the work until October.

The Russett Street and Mallory Avenue job developed difficulties at the start of the work. Through some misjudgment of the contractor the cofferdam at the outlet end of the work had to be altered and practically rebuilt three times before it would function as a cofferdam, and the excavation for the first 900 feet of trench was of such material that only a small amount would stay on the shovel. The first 900 feet of sewer was built on a pile and timber foundation, the piles ranging from 50 to 20 feet in length. High water in the Columbia River further added to the difficulties of the work. On December 1 the contractor was just beginning to have some hopes that he would be able to finish the job early in 1928.

The Fifty-fifth Avenue Southeast and Sixty-seventh Street job is

notable for its size only, as it is the largest district ever completely sewered under one contract in the history of Portland.

Early in the year the Fiske Street and Private Property Sewer System was completed. This gave an outlet for a large territory in the St. Johns District and which accounts for the construction of a number of small lateral branches in that district. The rest of the year's work was made up of the construction of small branches as petitioned for by the property owners in the several districts.

Cement Pipe Inspection: Throughout the year a Public Works Inspector has supervised the manufacture of the cement sewer pipe used in the city sewers. This man is at the pipe plants during the entire working day. Due to this inspection no defective pipe has been delivered on the work and rejections have been made for pipe damaged in handling between the plant and the job.

Willamette River Pollution Studies: Throughout the year at intervals of two weeks, except during the summer months when the intervals were of one week, samples of the river water were taken by employes of the Department of Public Works and the tests for oxygen and bacteria were made by the Bureau of Health. The tabulation of these tests shows a gradual pollution of the river water as is flows through the city, as should be expected; the amount of pollution varies with the season, stage of the river and the swiftness of the river flow. A rough estimate of the amount of sewage contributed by the City of Portland at the low water flow in the river would indicate a much lighter contamination of the water than shown by the tested samples. The decomposing sludge beds at or near the outlets of the trunk sewers would explain and account for this discrepancy. Several years' study of the Portland sewers and the pollution of the river caused by the sewage therefrom will give the proper information for a comprehensive scheme of disposal, which may need to be seriously considered within the next few years.

TOTAL LENGTHS OF 6-INCH SEWER PIPE LAID BY CITY OF PORTLAND, 1906-1927, INCLUSIVE

Year	Vitrified Length—Ft.	Cement Length—Ft.
1906	640	
1907	5,162	
1908	15,258	
1909	4,995	
1910	204,379	
1911	73,698	61,491
1912	54,667	34,144
1913	67,435	23,437
1914	51,290	8,628
1915	30,706	7,023
1916	16,170	4,764
1917	7,834	6,170
1918	940	2,602
1919	5,611	4,857
1920	44,537	56,783
1921	46,439	69,872
1922	13,770	20,008
1923	16,604	10,033
1924	8,585	9,903
1925	8,225	24,069
1926	32,008	45,111
1927	70,094	116,104
Total	781,038	505,006

Remarks—Prior to 1906 the City did not include house connections from main sewer to curb.

TOTAL MILES OF ALL SEWERS LAID IN PORTLAND

	Lin. Ft.	Miles
6-inch pipe sewer laid prior to December 1, 1926	1,099,846	
6-inch pipe sewer laid in fiscal year 1927	53,176	
	1,153,022 =	218.3751
8-inch to 30-inch pipe sewer laid prior to December 1, 1926	3,085,341	
8-inch to 30-inch pipe sewer laid in fiscal year 1927	133,022	
	3,218,363 =	609.5384
Trunk sewers laid prior to December 1, 1926	487,293	
Trunk sewers laid in fiscal year 1927	12,947	
	500,240 =	94.7420
Trunk sewers in place December 1, 1927		94.7420
8-inch to 30-inch pipe sewer in place December 1, 1927		609.5384
6-inch pipe sewer in place December 1, 1927		218.3751
Grand total		922.6555

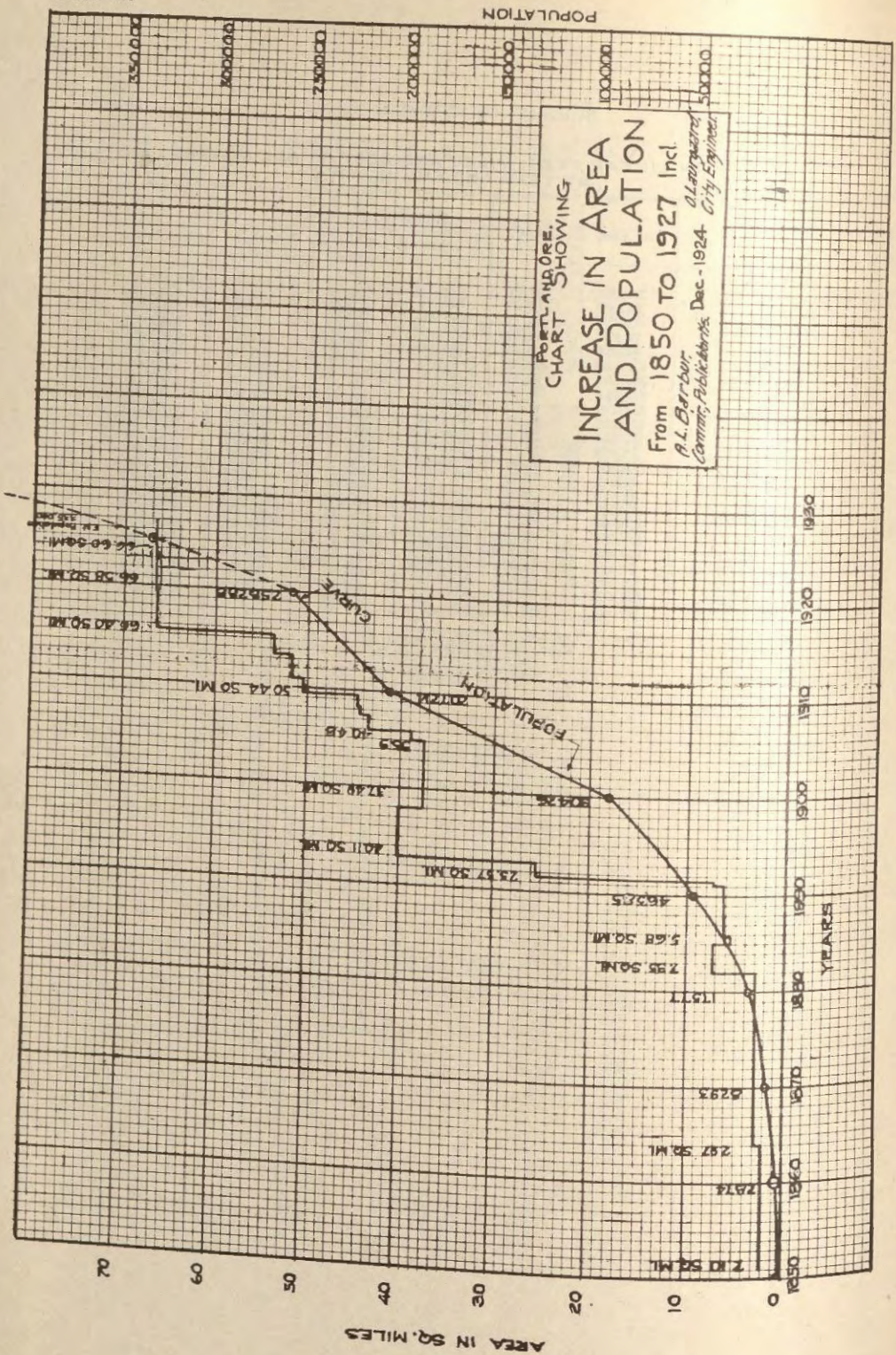
LENGTH, SIZE AND KIND OF PIPE SEWER IN PLACE DECEMBER 1, 1927

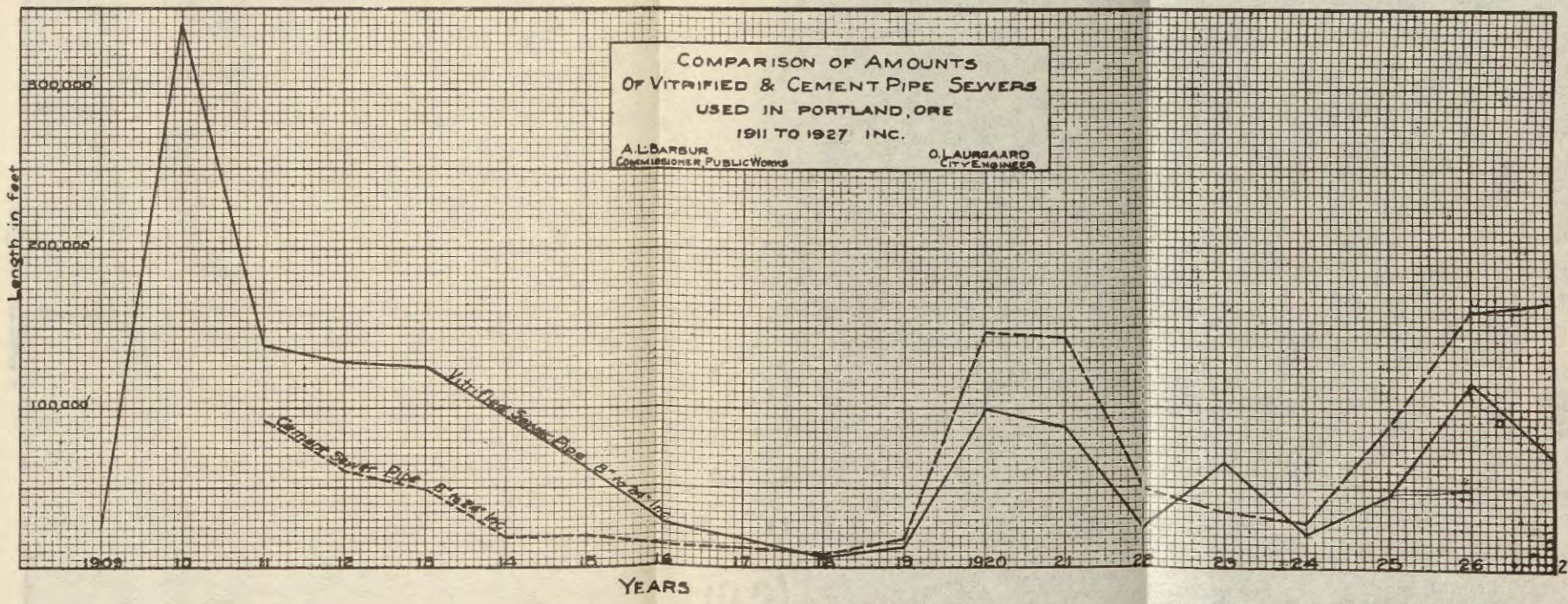
Size	VITRIFIED			CEMENT			Total Sewer Pipe Laid in F. Y., 1927 Lin. Ft.	Total All Sewer Pipe in Place Dec. 1, 1927 Lin. Ft.
	Laid Prior to Dec. 1, 1927 Lin. Ft.	Laid in F. Y., 1927 Lin. Ft.	Total in Place Lin. Ft.	Laid Prior to Dec. 1, 1927 Lin. Ft.	Laid in F. Y., 1927 Lin. Ft.	Total in Place Lin. Ft.		
6 inch	710,944	16,634	727,578	388,902	36,542	425,444	53,176	1,153,022
8 inch	962,689	22,278	1,014,967	499,378	31,507	530,885	53,785	1,545,852
10 inch	480,797	6,470	487,267	243,782	11,097	254,879	17,567	742,146
12 inch	383,469	4,619	388,088	122,856	11,712	134,568	16,331	522,656
14 inch				20,674		20,764		20,764
15 inch				50,257	11,292	61,549	17,987	128,913
18 inch	60,669	6,695	67,364	43,336	4,463	47,799	8,988	117,517
21 inch	65,193	4,525	69,718	15,477	5,789	21,266	8,311	39,855
24 inch	16,067	2,522	18,589	23,421	3,702	27,123	10,053	96,670
27 inch	63,196	6,351	69,547					3,990
	3,990		3,990					
Total	2,777,014	70,094	2,847,108	1,408,083	116,104	1,524,277	186,198	4,371,385

6 inch Pipe Sewer in place December 1, 1927 ..... 1,153,022 lineal feet—218.3751 miles
8 inch to 30 inch Pipe Sewer in place December 1, 1927 ..... 3,218,353 lineal feet—609.5384 miles

LENGTH IN LINEAR FEET, MILES AND COST OF ALL SEWERS LAID BY YEAR AND CUMULATIVE

Year	Lin. Feet	Miles	Cumulative		Cost	
			Liu. Feet	Miles	By Year	Cumulative
1875 to—						
1905	724,733	137.51	724,783	137.51	$ 1,447,110	$ 1,447,110
1906	63,170	12.93	792,953	150.44	69,706	1,516,816
1907	83,054	15.73	876,007	166.17	92,781	1,609,597
1908	73,920	14.00	949,927	180.17	77,407	1,687,004
1909	44,088	8.35	994,015	188.52	313,426	2,000,430
1910	577,156	109.31	1,571,171	297.83	905,718	2,906,148
1911	386,559	73.21	1,957,730	371.04	556,291	3,462,439
1912	302,891	57.36	2,260,621	428.40	566,973	4,029,412
1913	332,425	62.96	2,593,046	491.36	778,284	4,807,696
1914	191,223	36.21	2,784,269	527.57	367,380	5,175,076
1915	135,932	25.74	2,920,201	553.31	209,652	5,384,728
1916	78,460	14.87	2,998,661	568.18	236,533	5,621,261
1917	47,203	8.94	3,045,864	577.12	59,631	5,680,892
1918	26,042	4.49	3,071,906	581.61	312,289	5,993,181
1919	41,454	8.04	3,113,360	589.65	71,354	6,064,535
1920	379,209	71.81	3,492,569	661.46	1,283,209	7,347,744
1921	420,604	79.67	3,913,173	741.13	2,234,463	9,582,207
1922	123,757	23.44	4,036,930	764.57	545,670	10,127,877
1923	128,059	24.25	4,164,989	788.82	960,862	11,088,739
1924	71,444	13.53	4,236,433	802.35	179,586	11,268,325
1925	123,500	23.39	4,359,933	825.55	206,911	11,475,236
1926	312,488	59.18	4,672,421	884.92	775,499	12,250,735
1927	199,145	37.72	4,871,625	922.66	571,622	12,822,397


PORTLAND, ORE.
CHART SHOWING
INCREASE IN AREA
AND POPULATION
From 1850 TO 1927 Incl.
A.L. Barbur, Comm'r, Publications
Dec-1924
O. Laurgaard, City Engineer
POPULATION
AREA IN SQ. MILES
YEARS
CURVE
FOPULATION
7.10 SQ. MI.
2874
2.97 SQ. MI.
8293
17577
7.95 SQ. MI.
5.68 SQ. MI.
46325
23.57 SQ. MI.
40.11 SQ. MI.
37.49 SQ. MI.
50.44 SQ. MI.
66.40 SQ. MI.
66.58 SQ. MI.
66.60 SQ. MI.
1850
1860
1870
1880
1890
1900
1910
1920
1930
0
10
20
30
40
50
60
70



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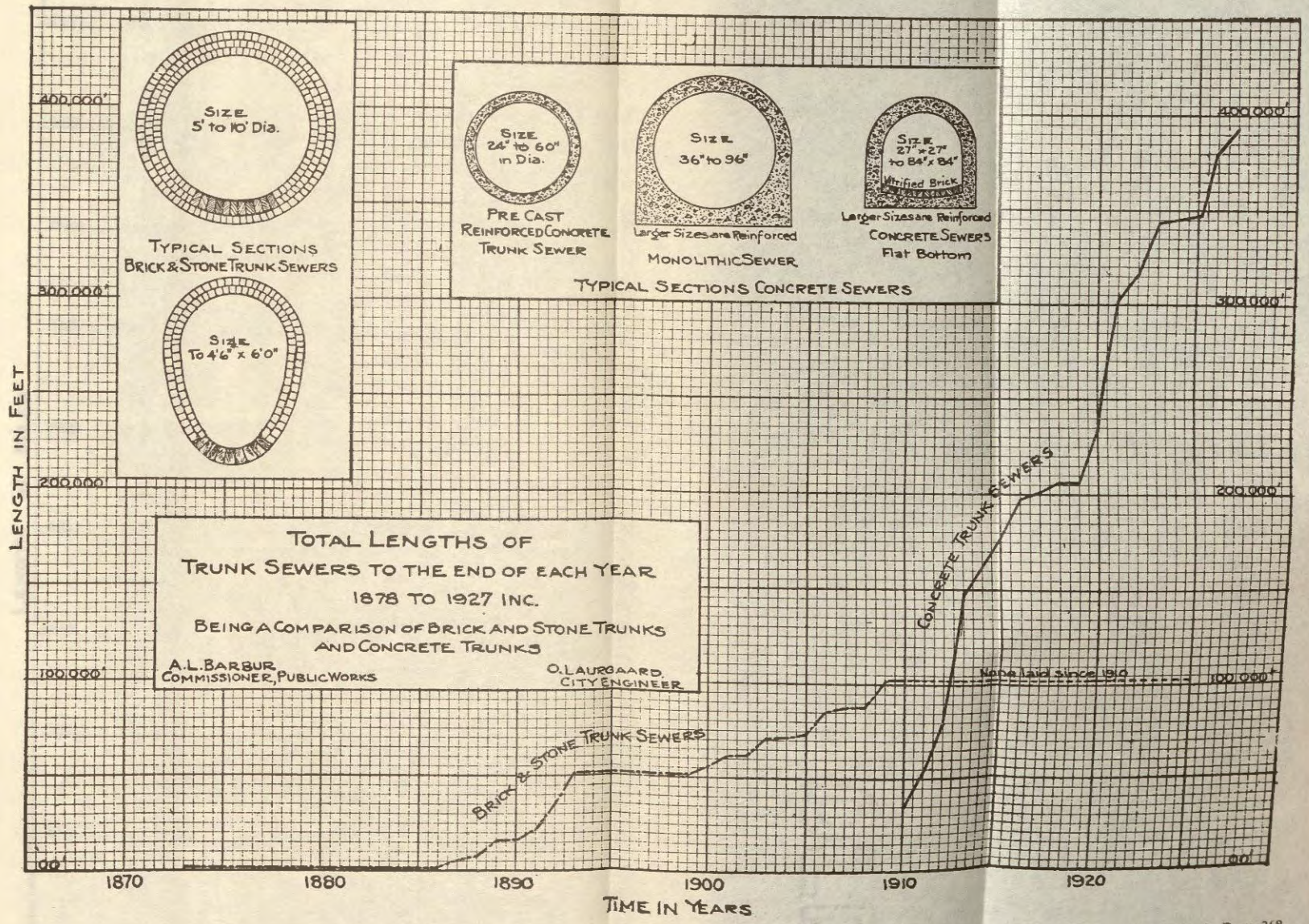

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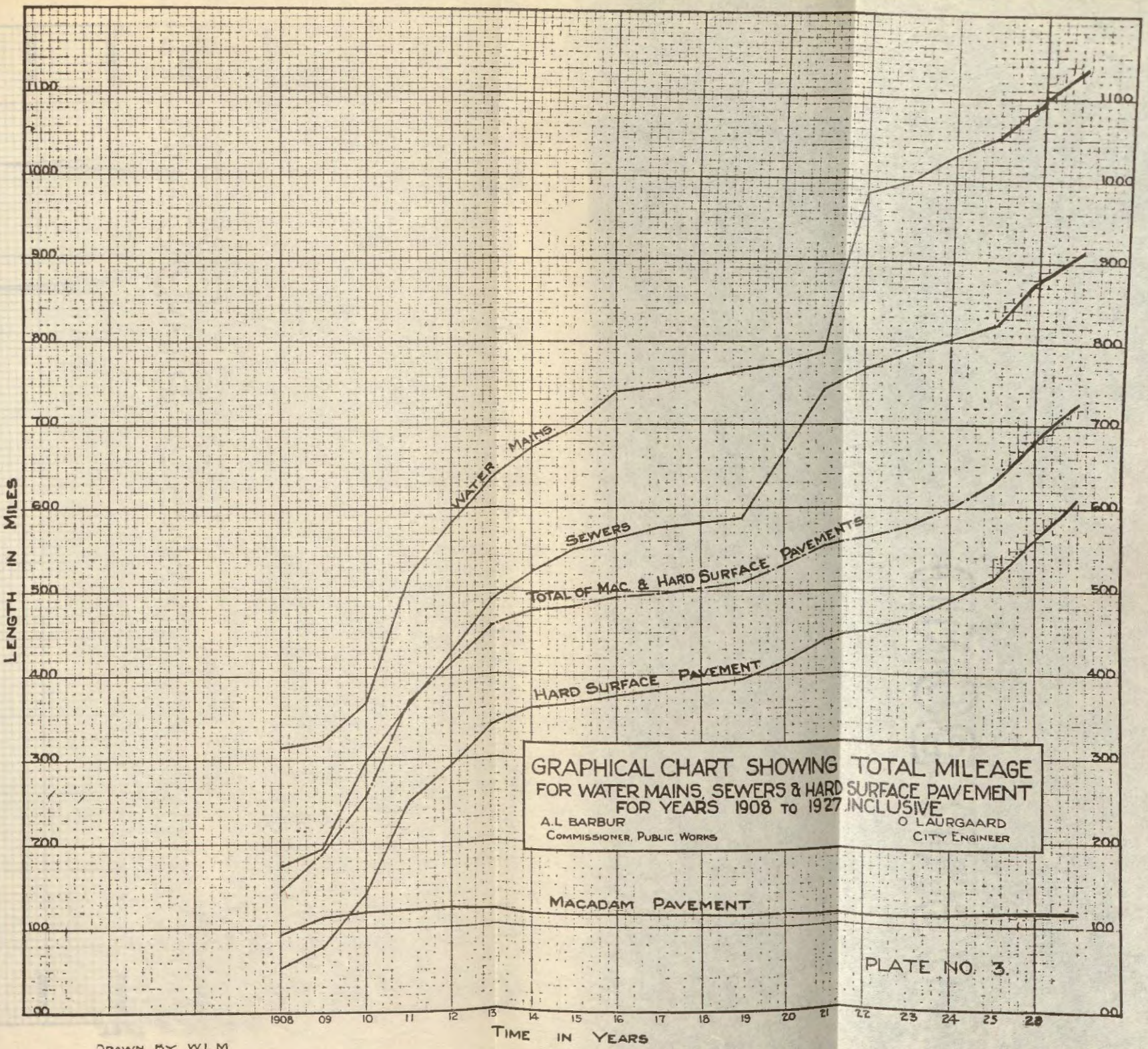
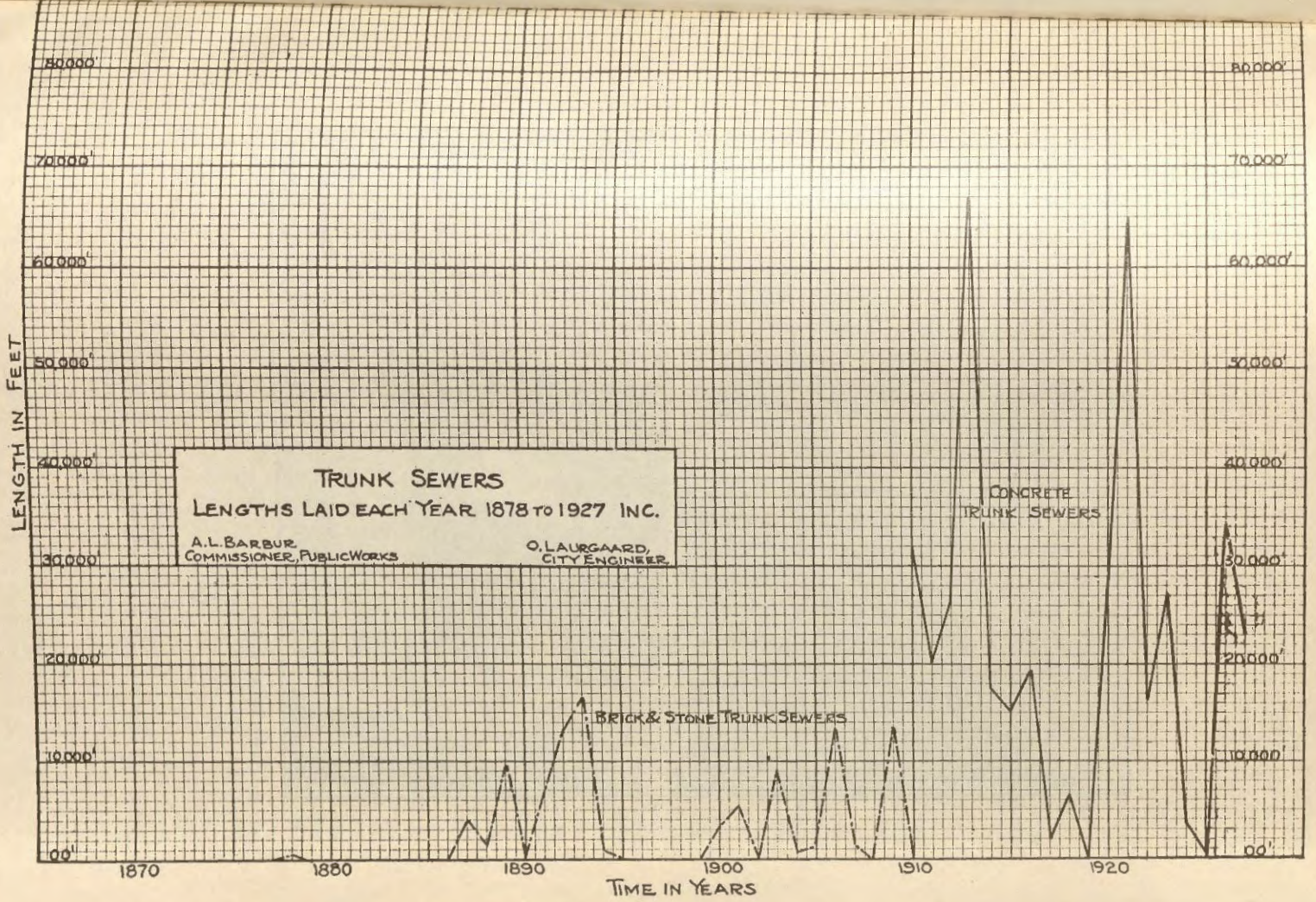
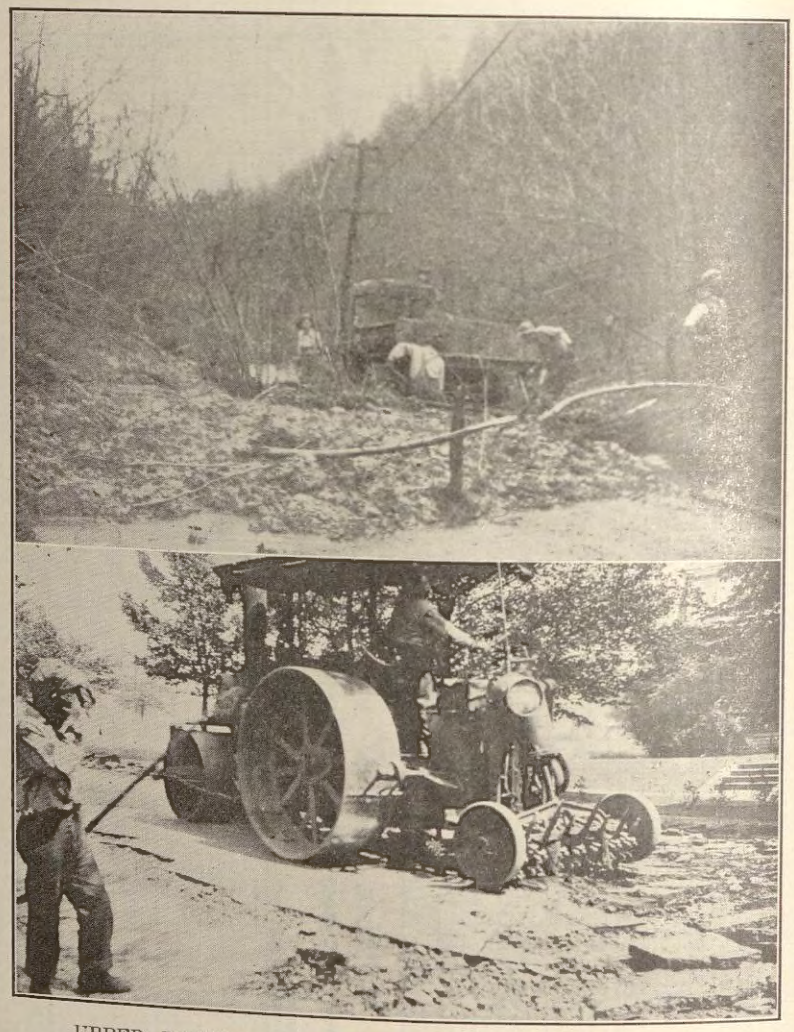

GRAPHICAL CHART SHOWING TOTAL MILEAGE
FOR WATER MAINS, SEWERS & HARD SURFACE PAVEMENT
FOR YEARS 1908 to 1927 INCLUSIVE
A.L. BARBUR
COMMISSIONER, PUBLIC WORKS
O LAURGAARD
CITY ENGINEER
WATER MAINS
SEWERS
TOTAL OF MAC. & HARD SURFACE PAVEMENTS
HARD SURFACE PAVEMENT
MACADAM PAVEMENT
PLATE NO. 3.
LENGTH IN MILES
TIME IN YEARS
1908 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
00 100 200 300 400 500 600 700 800 900 1000 1100
DRAWN BY WLM


TRUNK SEWERS
LENGTHS LAID EACH YEAR 1878 TO 1927 INC.
A.L. BARBUR, COMMISSIONER, PUBLIC WORKS
O. LAURGAARD, CITY ENGINEER.
LENGTH IN FEET
80,000'
70,000'
60,000'
50,000'
40,000'
30,000'
20,000'
10,000'
00'
1870
1880
1890
1900
1910
1920
TIME IN YEARS
BRICK & STONE TRUNK SEWERS
CONCRETE TRUNK SEWERS



UPPER: REMOVING A SLIDE. LOWER: STREET REPAIR.

BUREAU OF MAINTENANCE

The Bureau of Maintenance includes the organization for the repair of streets, sidewalks and bridges under city supervision, and the cleaning as well as repairing of sewers.

STREET DIVISION

The repairs to the hard surface pavements are made by the Municipal Paving Plant and billed to the Bureau of Maintenance. There is a total of approximately 10,000,000 square yards of pavement under maintenance by the city. An appropriation of $90,000 was expended in 1927 on this maintenance work.

Streets having crushed rock, macadam or graveled surfaces are repaired by the Street Repair Division of the Maintenance Bureau. The total area of streets maintained by this division is over 2,000,000 square yards. This work has cost during 1927—$29,086.36, or about $.013 per square yard, being a little higher than the unit cost for maintaining the hard surface streets.

Two crews, each equipped with a steam roller and other necessary tools, are kept busy throughout the year except during the few days in the winter when delayed by weather conditions. When a street surface is rough, it is thoroughly loosened by a pressure scarifier attached to the roller. It is then brought to a good crown and even graded and rolled. Traffic is not interrupted during the process. In some cases it is necessary to add new material, but usually little is required.

If there are only a few chuckholes in a street these are cleaned out and filled with crushed rock which is rolled down even with the adjoining surface of the street and hot "E" grade asphalt is poured over the patch. Sand is spread on the asphalt while it is still hot and an excellent patch results. Where this method can be employed on a street that has been oiled, a splendid surface is secured without the trouble and expense of breaking up the old surface.

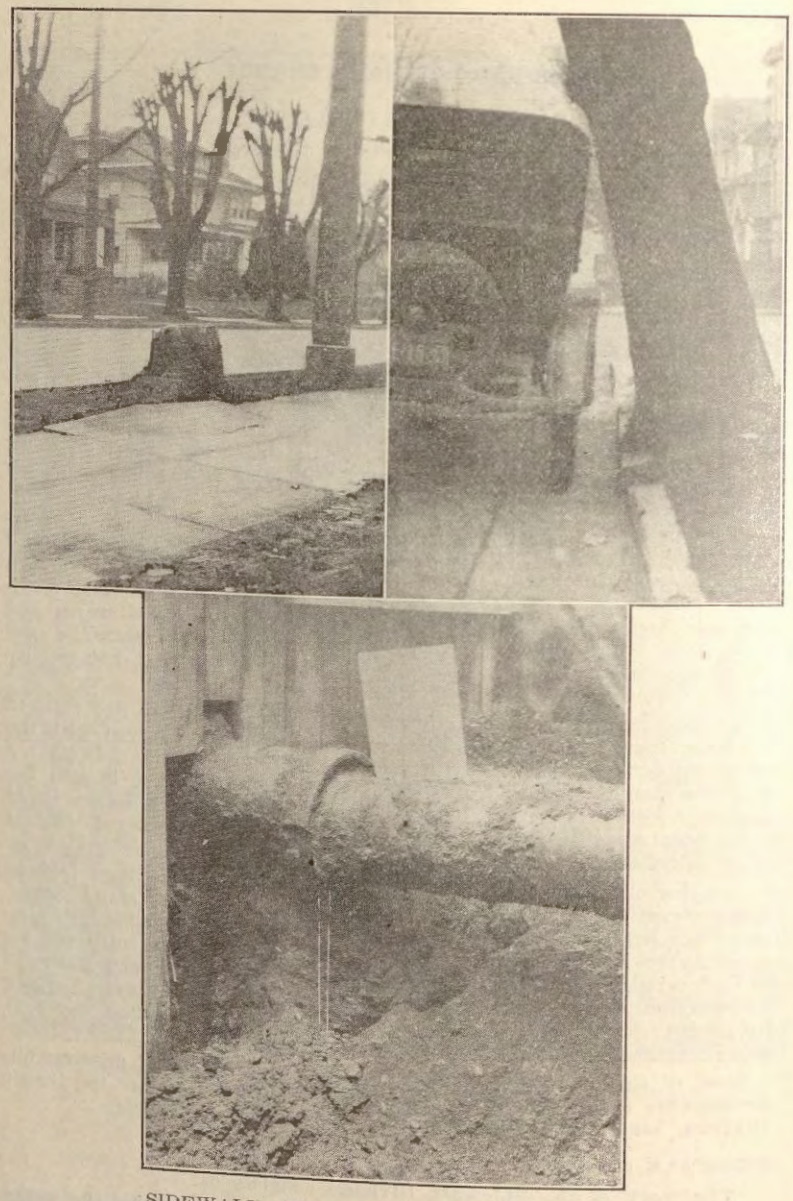
In the outlying districts, gravel center strips have been laid in many streets where the property values are too low to stand assessment for better street surfacing. When the traffic concentrates on these narrow roadways, ruts and chuckholes occur frequently and repeated repairs are needed during the first few years until the road material becomes well packed. These gravel strips are repaired either by adding gravel in the holes, or by reshaping in the same way that the regular macadamized streets are repaired.

Most of the old plank crosswalks that were a part of grading improvements a few years ago have become badly rotted and the Street Division has replaced many of them by bank gravel paths.

SIDEWALK DIVISION

The work of the Sidewalk Division consists of:

1—Repairs of a general nature where it is necessary that the walks be immediately made safe;



SIDEWALK, TREE AND SEWER PROBLEMS

2—Rebuilding corners which, owing to modern traffic conditions, have been damaged;

3—The repair of concrete walks which have been broken or raised by tree roots or other causes;

4—The construction of new concrete walks to replace defective wooden ones, and

5—The building of new walks where there has been no walk and where one is considered by the City Engineer to be necessary, or where it is requested by the owners who wish to take advantage of the bonding privilege instead of paying cash to a contractor.

Where work of the first and second classes is done, the cost of the job is assumed by the Bureau and paid for from appropriations made for this purpose. Work coming under the third, fourth and fifth classes is first posted by an inspector, and if the owner has not done the required work within 20 days, the walk is repaired or built by the Sidewalk Division. If the cost is small, a statement is sent to the owner so that he may pay for the job in cash, but should payment be not received within two weeks after the bill is rendered, the job is assessed by the Council, and stands as a lien against the property benefited.

During 1927—27,130 square feet of concrete sidewalk and 2116 lineal feet of curb were built and paid for by the owners. The corner work also calls, in many cases, for the reconstruction of inlets, the removal of hydrants and poles and the paving of roadway to conform to the new corner.

The greater part of the time of several inspectors for the year has been consumed in inspecting walks of the city, posting the defective ones, making the necessary records and rechecking them to see that the work is done as required. These inspectors have covered the entire city with inspections and posting, have rechecked the greater part of it once and some parts two or three times.

Besides supervising the work of his construction and repair crews, the general foreman in charge of the Sidewalk Division with the help of an inspector, who devotes about half of his time to this work, looks after the sidewalk construction that is done under permits issued by the Construction Bureau. The inspectors also check up on all permits to move poles or set new ones, inspect the underground work of the various public utility corporations to see that they do not interfere with the city sewers and to insure proper backfilling of trenches and paving of cuts by these corporations.

SEWER DIVISION

For purposes of sewer repairs the city is divided into two zones, each under an experienced foreman equipped with a light truck having a dump body, in which he travels from one job to another, delivers material to his crews and moves the crews with their tool boxes from job to job. Another foreman with a light roadster supervises the work of one or more crews locating, lowering, cleaning or repairing house branches for which the city is responsible. He also inspects the connections made by plumbers and keeps a card index record of these jobs. This work during 1927 included 4414 inspec-

tions, 93 house branches cleaned, 22 house branches installed, 5 house branches lowered and 100 house branches located for plumbers.

One foreman with three men is kept busy continuously cleaning and flushing sewers, having flushed 130,350 lineal feet of sewer at an average cost of $.0012 per foot and "chain-dragged" 217,000 lineal feet at a cost of $.026 per foot. The chain-dragging is done by drawing a heavy knot of chain, which nearly fills the barrel of the sewer, back and forth through the pipe while flushing with a stream from a hydrant. Sand, gravel, tree roots and other obstructions are loosened by this method, dragged to a manhole and hoisted to the surface in buckets.

Two men in a truck carrying hose, jointed rods, a self-propelling nozzle, and other tools are kept busy opening stopped inlet pipes, investigating complaints, replacing broken manhole and inlet covers, placing barricades and red lights on defective streets, and doing many other things of an emergency nature. By their promptness, experience, skill and tact, they have been the subject of much favorable comment by people who have had occasion to require their services.

The Columbia Street sewer broke under the Southern Pacific main tracks near the Jefferson Street Station. The first knowledge of this break was obtained by railway employes who noticed during a heavy storm that the gravel under the track had broken away. They could see the water flowing in the sewer more than 20 feet below. A temporary bridge was built by the railway company which supported the tracks while the Sewer Division was excavating to the sewer and repairing it where the pipes had separated at the joints more than a foot in one place and nearly as much in other places. The cause was evidently a general slipping of the fill in which the sewer is built towards the river. The cost of this repair job was $2044.83.

At the intake of the Balch Gulch sewer a slide occurred, blocking the intake for a time, and carrying away or covering the trash racks protecting the sewer. The cost of work necessary to get the sewer in operating condition again was $746.45.

At Grand Avenue and East Oak Street, $1,709.50 was spent rebuilding a 24-inch sewer across Grand Avenue. This break occurred during the heavy storms of the summer.

At East Third and East Oak Streets, $347.61 was spent in repairs, and at East Twelfth and Hawthorne Avenue, the repair work cost $385.65.

To abandon a broken sewer under the Front Street fill at Sheridan Street, a new sewer was built at a cost of $871.18.

Several new inlets were installed at East Seventh and San Rafael Streets to prevent, if possible, further floods such as were experienced last summer, when the water covered the intersection to a depth of several feet on account of the clogging of the few inlets that were then available.

At East Forty-seventh and East Burnside Streets, a deep connection in a quicksand formation became broken causing a sink hole in the pavement. Owing to the nature of the soil and the amount of timbering which had been left in the ground to protect other pipes where these sewers were built, the work was very expensive, costing

$740.61 for a comparatively short section of sewer. The new pipe was laid in reinforced concrete and it is believed that it will withstand the pressure.

On Dupont Street between Ross Street and Benton Street, 472 feet of new sewer was laid to relieve a poor drainage situation. The cost of this was $712.78.

A new style of inlet grate was designed in co-operation with the engineers of the Electric Steel Foundry. The grate is made of heat-treated cast steel with the bars running parallel with the curb. It has the advantage that rubbish carried along the gutter by the flow of storm water slides along the grate bars to the center, leaving the openings near the end of the grate free, whereas the old style of grates have a decided tendency to become chocked with trash so that the water finds its way into the inlet with difficulty.

BRIDGE DIVISION

This crew, in normal times, consists of one foreman and four bridge carpenters. The crew is used to perform tasks not normally coming under any of the other divisions, but the principal class of work that recurs year after year, is the painting of the steel bridges.

During 1927, Thurman Street Bridge over Balch Gulch was repainted at a cost of $3,598.01.

Some maintenance was done on the Front Street Bridge at Sheridan Street while the gulch beneath it was being filled, $3016.65 having been spent on this work.

Grand Avenue Bridge over the Union Pacific Railway tracks in Sullivan's Gulch was raised to grade where it had settled, and was redecked during July and August. Methods were evolved which cut the cost to $14,601.56, which was considerably below the estimate.

MAINTENANCE OF COLUMBIA SLOUGH CHANNEL

To arrest the erosion of the banks of Columbia Slough drainage channel several barge loads of coarse rip-rap were placed where most urgently needed. A special appropriation to cover the cost of this work, $7464.91, was made by the Council. More rip-rap will be needed from time to time until the banks subjected to strong currents are all protected.

TRACK WORK AND MISCELLANEOUS

During this year considerable new construction of tracks of the Portland Electric Power Company was made necessary on account of the Ross Island Bridge, and the new approach to the Broadway Bridge. Considerable reconstruction of this company's tracks was also accomplished in connection with street improvements, but other than this, little more than the ordinary maintenance work was carried on.

The much needed reconstruction of many of the old lines of this company both on the east and west sides of the river has not been effected, although the Portland Electric Power Company's officials themselves admit the desirability of such a program.

The various other railroad companies operating in the city have kept the usual maintenance crews operating, but although some of

this trackage should be rebuilt (such as the United Railway's track in Front Street), this may not be expected until such time as a definite understanding is reached with reference to the relocation of such tracks on private terminals on the river front, as a part of the water-front project now under way.

The following is a brief summary of the principal track work performed during the year:

PORTLAND ELECTRIC POWER CO.

NEW CONSTRUCTION

Milwaukie, Powell and Brooklyn Sts. in connection with approaches to Ross Island Bridge.
Larrabee St. in connection with new approach to Broadway Bridge.
First St. under Burnside Bridge.
New curves at Union Ave. and E. Burnside St.
New curves in E. Couch St. between E. 26th and E. 28th Sts.

RECONSTRUCTION

E. 41st St., 45th Ave. to Woodstock Ave., street improvement.
Sandy Blvd., E. 74th to E. 82nd Sts., street improvement.
E. Glisan St., E. 87th to E. 90th Sts., street improvement.
Twenty-seventh St., Raleigh to Thurman Sts., street improvement.
E. 17th St., Mall to Rhone Sts., street improvement.

MAINTENANCE

Union Ave., Oregon to Russell Sts., general track and paving repairs.
Washington St., 2nd to 14th Sts., general track and paving repairs.
Morrison St., Front to 10th Sts., general track and paving repairs.
Third St., Jefferson to Grant Sts., general track and paving repiars.
Hawthorne Ave., Water St. to Grand Ave., general track and paving repairs.
Hawthorne Ave., E. 12th to E. 20th Sts., general track and paving repairs.
Hawthorne Ave., E. 32nd to E. 34th Sts., general track and paving repairs.
Twenty-third St., Washington to Thurman Sts., general track and paving repairs.
Corbett St., Gibbs St. to Seymour Ave., general track and paving repairs.
Mississippi Ave., Larrabee ot Prescott Sts., general track and paving repairs.
E. 13th St., Marion to Ochoco Sts., general track and paving repairs.
Lombard St., Wabash Ave. to Westanna St., general track and paving repairs.
Lombard St., Albina Ave. to Denver Ave., general track and paving repairs.
Broadway, Yamhill to Stark Sts., general track and paving repairs.
Broadway, Glisan to Hoyt Sts., general track and paving repairs.
Fifth St., Stark to Salmon Sts., general track and paving repairs.
Belmont St., E. 34th to E. 37th Sts., general track and paving repairs.
E. Glisan St., E. 28th to E. 39th Sts., general track and paving repairs.
Albina Ave., Killingsworth Ave. to Lombard St., general track and paving repairs.
Sandy Blvd., E. 16th to E. 28th Sts., general track and paving repairs.
E. Broadway, Larrabee St. to Union Ave., general track and paving repairs.
Grand Ave., Ankeny to Belmont Sts., general track and paving repairs.

SOUTHERN PACIFIC CO.

General repairs to Fourth St. line, Grant to College Sts.
Replanked crossing at E. 1st and Main Sts.
Replanked crossing at E. 1st St. and Hawthorne Ave.
Replanked crossing at E. 1st and E. Madison Sts., steel plate covering.
Replanked crossing at E. 1st and E. Stark Sts., steel plate covering.
Replanked crossing at E. 1st and E. Morrison Sts.
Repaved crossing at E. 1st and Belmont Sts.
Repaired crossing at 4th and Washington Sts.
Repaired crossing at 4th and Morrison Sts.

Repaired crossing at 4th and Grant Sts.
Repaired crossing at 4th and Clinton Sts.

OREGON ELECTRIC COMPANY

General repairs in Salmon St., Front to 10th Sts.
Repaired crossing at 10th and Burnside Sts.
Repaired crossing at 2nd and Salmon Sts.
Replanked crossing at 3rd and Salmon Sts.
Replanked crossing at 4th and Salmon Sts.
Repaired crossing at 10th and Washington Sts.
Repaired crossing at 10th and Glisan Sts.

NORTHERN PACIFIC TERMINAL CO.

Repaired crossing at 22nd and York Sts.
Repaired crossing at 13th and Kearney Sts.
Repaired crossing at 13th and Glisan Sts.
Repaired crossing at 13th and Marshall Sts.
Repaired crossing at 13th and Johnson Sts.
Repaired crossing at Park and Hoyt Sts.
Repaired crossing at 17th and Front Sts.
Repaired crossing at 17th and Upshur Sts.

UNITED RAILWAYS COMPANY

General repairs in Macadam St.
General repairs in Nicolai St., 22nd to 24th Sts.
General repairs in 12th St., Glisan to Hoyt Sts.
General repairs in Front St., south of Morrison St.
Repaired crossing at 12th and Flanders Sts.
Repaired crossing at Front and Madison Sts.
Repaired crossing at 1st and Flanders Sts.
Rearranged track in Macadam St. at south end on account of street improvement; new ties, etc., installed.

OREGON-WASHINGTON RAILROAD & NAVIGATION CO.

Repaired crossing at Randolph St. near Goldsmith St.
Repaired crossing at Steel Bridge.
Repaired crossing at East 2nd and East Stark Sts.
Repaired crossing at East 2nd St. and Hawthorne Ave.
Repaired crossing at East 2nd and Madison Sts.

SPOKANE, PORTLAND & SEATTLE RAILWAY

Repaired crossing at 17th St. north of Upshur St.
Repaired crossing at East 3rd and East Stark Sts.

New industrial spur tracks were installed by the following railroads:

O-W. R. R. & N. Co.	3
Southern Pacific Railway	1
N. P. Terminal Co.	1
P. E. P. Co.	1

SPECIAL DRIVEWAYS

Special driveways for gasoline service stations, garages, etc., were supervised to the number of 50.

Applications for gasoline curb pumps have been investigated and reported upon to the number of 73.

Applications for gasoline and fuel oil storage tanks have been investigated and reported upon as follows:

Gasoline tanks	255
Fuel oil tanks	235

HOUSE NUMBERS

House numbers, as usual, have taken considerable time to straighten out; sometimes one complaint necessitating the changing of numbers on several houses. Failure of some people to post a number has also been reported by Postmaster Jones quite frequently.

Confusing house numbers investigated to the number of 41.

LINES AND POLES

The location of poles and guys of the various utility companies has taken considerable time to adjust where requests have come in for the moving of same. Justice to the companies concerned as well as to the people involved has many times made it necessary to get all the parties on the ground for an equitable settlement of the difficulty. These cases have been handled to the number of 38.

MISCELLANEOUS APPLICATIONS

Under this heading comes requests for use of the street area, to blast within the city limits, to construct spur tracks, etc. These have been investigated to the number of 56.

HARD SURFACE STREETS

Many of the hard surface pavements are now passing out of the contractors' maintenance period. These streets have to he gone over carefully to determine what defects, if any, should be made good by the contractor. The number of streets thus inspected and reported upon reached the total of 121.

MISCELANEOUS COMPLAINTS

Under this heading comes a great variety of problems needing adjustment. Many of these are of a nature that requires the city to perform certain duties that have been overlooked, while others are of a petty nature resulting from quarrels between neighbors, etc., but which usually take more time to adjust than the legitimate ones. These complaints have been handled to the number of 187.

OTHER MATTERS

Under this heading a large number of special matters have received attention. Among these may be mentioned damage claims against the city, Couucil documents, reports of defective drainage, etc. These matters have been handled to the number of 129.

BUREAU OF STANDARDS

Within the Bureau of Standards are maintained the Chemical and Physical Laboratories where tests are made of materials of varied nature. The results of these tests are of great value in determining the suitability of materials used in public work. The results of tests made are forwarded promptly to the engineer in charge.

The following tables give the classes of various tests made during the year 1927:

CHEMICAL DIVISION

Analyses of bituminous paving mixtures	96
Samples of asphalt tested	116
Lubricating oils tested	16
Miscellaneous tests	57

PHYSICAL DIVISION

Alloy steel	12	Eye bolts	1
Anchor bolts	2	Forged steel	12
Block side	1	Gravel	23
Brick	6	Hydraulic jacks	3
Bronze	8	Insulators	1
Bronze conductors	1	Loadometer	2
Calibration test	1	Malleable iron	1
Castings	2	Manganese steel	5
Cast iron	7	Mild steel	2
Cast steel	27	Pipe and coupling assembly	1
Cement	1,073	Reinforcement steel	20
Chain	4	Roofing tile	4
Chain belt	3	Rope	14
Clay building tile	2	Sand	281
Clay tile lintels	3	Springs	3
Clevises	1	Structural steel	9
Composition tile	2	Threaded rods	3
Concrete	513	Timber joints	28
Concrete building blocks	4	Welds	10
Concrete sewer pipe	421	Wire rope	2
Copper wire	1		
Crank shaft	1	Total	2,520

CEMENT TESTS

Continuous tests on the various brands of cement to determine the quality, take up a large part of the time of the men in the Physical Testing Laboratory. During the year 11 different brands were tested for the following:

Fineness.
Time of setting (initial and final).
Accelerated steam test.
Tensile strength (7 and 28 days).

As soon as a particular braud of cement bas been approved the information is forwarded to all City departments so that there will be uo delays in allowing the construction crews to proceed with their work.

CONCLUSION

In concluding this, my annual report for the fiscal year 1927, it is my desire to express my appreciation to the many employes of the Department who have given their best efforts to their work, and have co-operated with those in charge in working out the details of the various engineering projects which have been completed and those projected for the future.

In my judgment the activities of the Department have been carried on efficiently and effectively for the purpose of giving service to the public, and this has been accomplished with very few cases of dissatisfaction or friction between the public and the city employes of which I am proud, particularly when the large number of persons affected and the great amount of work are considered.

Respectfully submitted,

O. LAURGAARD, CITY ENGINEER.

BUREAU OF BUILDINGS

GENERAL OBSERVATIONS

Building operations for the year of 1927 show a decrease in number and value as compared to the year 1926. This is not surprising, in view of the fact that building operations all over the country have shown a decrease. The percentage of decrease in Portland valuation was 11 per cent. This decrease is the same percentage as the average of all the cities of the Pacific Coast when their totals are lumped together. The decrease in percentage for all of the cities of the country for 1927, as reported by the F. W. Dodge Corporation, is 14 per cent. This indicates that the Coast cities relatively are growing faster and the building program is continuing with less reduction in activity. During the year some warnings of the danger of overproduction were broadcast by some Eastern financial authorities. These warnings were probably needed in some of the Eastern and Middle West cities, but, to a much less extent by the Pacific Coast cities.

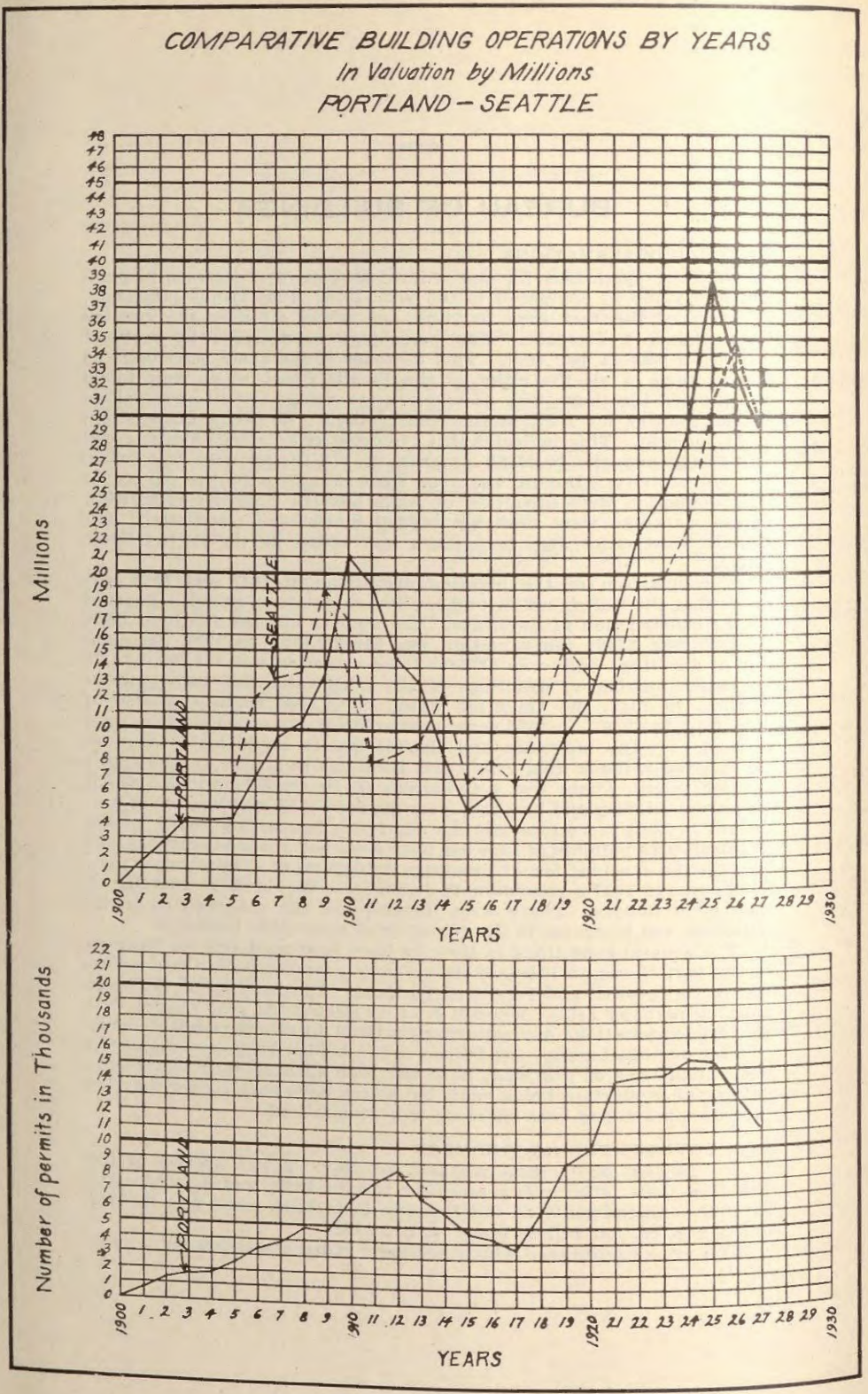
A comparison of the building operations of 1927 and 1926 will show that the falling off in number and valuation of permits occurred in the construction of dwellings. The number of such dwellings built in 1927 was 2353; the valuation was $10,050,450. In 1926, the number of dwellings built was 3295 and the valuation was $14,968,790. If the same number of dwellings of the same value had been built in 1927 as in 1926, the valuation would have been slightly greater in 1927 than in 1926. In 1926 some overbuilding was encouraged by easy money, as many mortgage and finance houses would make loans on an inflated value of real estate and buildings to almost anyone applying for same. There was a tightening up of conditions under which loans on buildings and property were made in 1927, and as a result conditions became more conservative and fewer houses were built. Some of the surplus building of 1926 has been absorbed and it is probable that in 1928 the construction of dwellings will go on at a more active rate. There was in 1927 a considerable decrease in the number and value of apartment houses. There were increases in the valuation of public buildings and increases in the valuation of mercantile buildings.

The general conditions in the city have been good and the business of the port shows an increase that is very encouraging to those believing in the growth and future of Portland. The building of the large canning plant of Libby, McNeill & Libby during the year showed that Eastern corporations are believing Portland to afford excellent facilities for manufacturing. Conditions in the lumber business—one of the basic industries of Portland, have not been entirely satisfactory—the volume of production being good, bnt prices have been so low that the lumber market has been more or less demoralized.

OCCURRENCES DURING THE YEAR

No unusual occurrences marked the year. A new edition of the Building Code, after being amended late in 1926, was printed early in 1927. Amendments of the Housing Code were made late in 1927 and a new edition will be ready early in 1928.

The smoke ordinance which has been under discussion for a num-



ber of years was passed on May 25, 1927, and one Building Inspector is devoting a portion of his time to the enforcement of this ordinance. Although this ordinance has been in effect but a short time, beneficial results have already been observed.

A partial collapse of the building at the northwest corner of Broadway and Washington Streets during the process of alteration, which, although it occurred on a busy Saturday afternoon yet caused no loss of life, pointed out the necessity of a more careful watch being made of buildings having wooden roof trusses. The Bureau has started a survey of all wooden roof trusses in the city. It is expected that this survey will be completed sometime during the first six months of 1928.

OUTLOOK FOR 1928

The outlook for the year 1928 is very good and no reduction over the activities of 1927 is expected. There are many large buildings planned, among which can be mentioned a hospital building erected by the Government for the U. S. War Veterans, the large market and warehouse building to be constructed on the waterfront, the large hotel to be constructed on the East Side by Ralph Lloyd, and besides these a large number of similar building projects for the downtown district and the usual number of new school buildings, a number of theater and picture houses and the usual number of store buildings.

The work of active reconstruction of the waterfront which will follow the building of the seawall along the harbor line will affect a considerable portion of Portland on the West Side lying between the river and Third Street. Property in this district has been dormant for many years, but it can be very reasonably expected that this part of the city will come to life and new buildings and development will follow. The widening of East Burnside Street has caused the reconstruction of many buildings and undoubtedly many new buildings will be built along this important traffic artery.

The outlook in the matter of legislation indicates that the building public will demand more protection. At the present time, committees are at work on regulations for furnaces, for plaster, for stucco and for roof covering, and ordinances are being prepared and advocated covering the licensing of building contractors, furnace contractors, plaster and stucco contractors, roofing contractors and plumbing supervisors. In the past the public has suffered from the poor work of irresponsible contractors, and additional regulation is now being demanded as a consequence. It seems reasonable that the city should accede to this demand in spite of the fact that there are some groups of people that feel there are too many regulations now. Portland is not peculiar in this condition, as, in other cities similar ordinances are being advocated and passed.

As many of the leading authorities of the country are prophesying good business conditions for 1928 and, in fact improved conditions over 1927, it is reasonable to expect that the general business conditions in Portland will be good and that building operations will be also good.

COMPARISON OF PORTLAND WITH OTHER PACIFIC COAST CITIES

Portland retains its position among the cities of the Coast in 1927 the same as in 1926—being fourth. Los Angeles is well in the lead with $122,027,039, San Francisco second with $47,032,848, Seattle

third with $29,069,080, and Portland fourth with a valuation of $28,-973,452 (Seattle's lead being less than $100,000). Oakland is fifth, with a valuation of $20,794,669, Hollywood sixth with $17,855,967, and San Diego seventh with a valuation of $14,451,966. Comparing the number of dwellings constructed in Portland with those in Seattle, the number is slightly less, but the valuation is greater, the number in Portland being 2353 with a valuation of $10,050,450, while in Seattle, the number was 2750 with a valuation of $9,464,525. The average cost of dwellings in Portland continues greater than those in Seattle and the conclusion is that there must be more cheap and temporary dwellings being built in Seattle than in Portland. As the attractiveness of a city is very largely dependent upon attractive residential districts, the conditions in Portland can be said to be better in that the residences are of a higher type.

BUILDING DIVISION

The work in the Building Division during the year has been very active. During the summer some trouble was experienced with contractors erecting residences who constructed concrete basement walls having a proper thickness at the top but decreasing below the ground level in a manner that was not only contrary to the Building Code but possibly dangerous and cheating the public. The Inspectors proceeded actively to correct this matter and after a number of such walls had been re-constructed, the contractors found the practice to be unprofitable.

In August, the building at the northwest corner of Broadway and Washington, which was being altered, partially collapsed. This occurred on a Saturday afternoon when the sidewalks and streets were filled and it was remarkable that nobody was killed, as a portion of the roof and second floor fell into the basement and portions of the brick walls fell out into the street. Investigation showed that the roof trusses as designed and constructed, were defective and that the timber of which the trusses were constructed was green and had shrunk and further weakened the trusses. Upon investigation and report of this matter, the Bureau of Buildings did not attempt to place any individual responsibility. The Bureau of Buildings, following this failure, perceiving the need for careful inspection in connection with the maintenance of wooden roof trusses, started a campaign of inspection of all wooden trusses in the city. This work will continue into the year 1928.

The Zoning Ordinance which is enforced by the Bureau of Buildings continues to give general satisfaction. The Smoke Ordinance which has been under discussion in Portland for a good many years was passed in May and the enforcement of this ordinance was started —Building Inspector Arnold giving approximately a half day per week of time to same. There has been an improvement of conditions already, but there is considerable that remains to be done. In most cases the parties operating power and heating plants are very glad to co-operate for the elimination of smoke.

There is a considerable demand for more protection and better regulations, both on the part of the building public and the builders themselves. There has been up for discussion an ordinance providing for the bonding and licensing of general contractors. Other groups that have been discussing better regulations and licensing are furnace manufacturers and installers, roofers, plasterers and stucco workers.

Some much needed amendments to the Housing Code were recently passed and it is expected that a new edition of the Housing Code will be printed and available for distribution in the near future.

An amendment providing for the extension of the fire limits was presented to the Council and was referred to a committee organized by the Chamber of Commerce. This committee did some very good work in revising the proposed amendment, but has not as yet reported its findings to the Council. It is hoped that they will do so early in 1928, as the extension of the fire limits is necessary to keep up with the growth of the city.

ELECTRICAL DIVISION

The number of inspections in the Electrical Division during the year 1927 is 45,160 as compared to 45,914 in 1926. While the number of inspections was practically the same, there was a decrease in the number and valuation of electrical permits.

There were no notable occurrences during the year. The general routine of business was handled very well under the able administration of Chief Inspector Going. The efficiency of the Inspectors shows a decrease from 20.8 to 18.5 inspections per man per day.

PLUMBING DIVISION

In the Plumbing Division, the number of inspections for the year 1927 was 22,241, which is a slight decrease from 1926 when there were 23,133. There has been a decrease in the number and valuation of plumbing permits. The efficiency of the department, as indicated by the average number of inspections per man per day showed a slight decrease from 13.9 in 1926 to 13.5 in 1927.

During the year two periods of unusually heavy rainfall causesd trouble in a number of our downtown buildings as the sewers in the street were inadequate in size and the water backed up into the buildings and caused great annoyance and considerable damage. A number of remedies were suggested, the best one being that of Mr. Hey, Chief Plumbing Inspector, that larger sewers be constructed.

During the year progress was made in the preparation of a proposed ordinance that will require plumbing firms to employ a plumbing supervisor. This ordinance is not yet up for final passage. As a similar provision has worked out very well in the Electrical Division, if this is passed, it is anticipated that it will work out well for the plumbers.

PERMIT DIVISION

Mr. Watts, who is head of the Permit Division, carried on the work of issuing permits with but very small complaint from the public. It is the purpose of the Bureau of Buildings to issue permits as easily and quickly as possible. With this in mind, Mr. Watts is planning a rearrangement of the counters and tables that will make it unnecessary to cause the public to go from the Permit Room to the corridor to get house numbers as in the past, as this work will be done in the one room.

ZONING ORDINANCE

During the year an edition of the Zoning Ordinance was printed containing all amendments up to the date of printing. This was much needed as the old copies of the Zoning Ordinance were exhausted. While there is a considerable amount of work required of the Bureau of Buildings in connection with the presentation of local option petitions, yet the Zoning Ordinance is giving very good satisfaction, and the good results of the Zoning Ordinance more than justify the time and work required for enforcement.

BUILDING CODE

A new edition of the Building Code was prepared early in 1927 and has been quite generally distributed Many very favorable comments have been received from other cities who have desired to make use of the Code for purposes of revising or preparing Codes in their cities. A very considerable number of amendments to the Building Code are being considered governing such regulations as furnaces, plaster, stucco, roof covering, steel joists, etc. These probably will be presented to the Council during 1928.

ELECTRICAL SIGNS

The Electrical Sign Ordinance was changed to take care of the new type of sign utilizing Neon gas as an illuminant. These signs are very attractive and have become very popular, a large number of them being erected during the year. The sign business has been very active as the number erected during 1927 was 663, the valuation being $236,985.

SPECIAL PERMITS

The number of Special Permits continues large; the Special Permits in connection with the Building Code being 43, and the Housing Code 124. The recent passage of amendments to the Housing Code will very largely reduce the number of Special Permits granting deviations from the Housing Code.

CONCLUSION

The Bureau of Buildings desires in its work to be of service to the public and to co-operate with all persons or groups that are working for the betterment and improvement of conditions in the city. The value of good building regulations is being more generally recognized every day and the man who puts up a cheap, non-standard building is considered a menace to himself and the community.

Respectfully submitted,

H. E. PLUMMER, Inspector of Buildings.

BUILDING PERMITS ISSUED DURING THE PAST YEARS

Year	Number	Total Valuation	Average Value Per Permit
1900	392	$ 944,985	$2,410
1901	745	1,529,143	2,050
1902	1,244	2,730,660	2,195
1903	1,628	4,281,056	2,630
1904	1,720	4,029,225	2,340
1905	2,318	4,183,368	1,805
1906	3,166	6,902,032	2,180
1907	3,890	9,446,982	2,430
1908	4,849	10,405,151	2,145
1909	4,739	13,481,380	2,845
1910	6,525	20,886,202	3,200
1911	7,686	19,152,370	2,495
1912	8,224	14,652,071	1,780
1913	6,244	12,316,350	1,970
1914 (Dec. 1, 1913, to Nov. 30, 1914)	6,166	7,373,285	1,195
1915 (Dec. 1, 1914, to Nov. 30, 1915)	4,633	6,210,255	1,345
1916 (Dec. 1, 1915, to Nov. 30, 1916)	4,506	6,335,590	1,406
1917 (Dec. 1, 1916, to Nov. 30, 1917)	3,371	3,804,340	1,128
1918 (Dec. 1, 1917, to Nov. 30, 1918)	5,610	5,950,302	1,060
1919 (Dec. 1, 1918, to Nov. 30, 1919)	8,782	9,463,258	1,078
1920 (Dec. 1, 1919, to Nov. 30, 1920)	10,313	12,206,755	1,183
1921 (Dec. 1, 1920, to Nov. 30, 1921)	14,032	17,004,126	1,212
1922 (Dec. 1, 1921, to Nov. 30, 1922)	14,602	22,779,930	1,560
1923 (Dec. 1, 1922, to Nov. 30, 1923)	14,225	24,603,000	1,730
1924 (Dec. 1, 1923, to Nov. 30, 1924)	15,343	28,782,095	1,875
1925 (Dec. 1, 1924, to Nov. 30, 1925)	15,166	38,565,115	2,543
1926 (Dec. 1, 1925, to Nov. 30, 1926)	13,361	32,759,955	2,452
1927 (Dec. 1, 1926, to Nov. 30, 1927)	11,383	29,425,650	2,585
Totals	194,863	$369,547,631	$1,845

BUILDING PERMITS ISSUED FROM DECEMBER 1, 1926, TO NOVEMBER 30, 1927

Months	FIREPROOF BUILDINGS					
	Steel Frame Constrnction		Reinforced Concrete Construction		Alterations and Repairs	
	No.	Value	No.	Value	No.	Value
December, 1926			1	$ 250,000.00	11	$ 25,850.00
January, 1927	1	$1,500,000.00			4	5,575.00
Febrnary	1	1,000,000.00			7	11,410.00
March					6	4,925.00
April			7	1,221,810.00	5	1,120.00
May			2	675,000.00	9	23,165.00
June	1	225,000.00	1	160,000.00	4	15,150.00
July			4	7,100.00	11	9,760.00
August			1	215,300.00	9	9,485.00
September			1	70,000.00	7	14,590.00
October			2	190,150.00	17	209,835.00
November			2	351,200.00	11	44,660.00
Totals	3	$2,725,000.00	21	$3,115,560.00	90	$ 349,675.00

BUILDING PERMITS ISSUED FROM DECEMBER 1, 1926, TO NOVEMBER 30, 1927—Continued

Months	FIREPROOF BUILDINGS		NON-FIREPROOF BUILDINGS			
	Mill Construction		Ordinary Construction		Alterations and Repairs	
	No.	Value	No.	Value	No.	Value
December, 1926	2	$ 30,500.00	10	$ 245,600.00	43	$ 30,760.00
January, 1927	1	2,000.00	13	270,000.00	52	128,910.00
February			13	470,600.00	43	25,360.00
March	1	28,000.00	17	376,900.00	51	96,395.00
April	1	135,000.00	18	717,050.00	42	67,785.00
May	1	30,000.00	22	313,750.00	41	67,895.00
Jnne	1	30,000.00	15	592,950.00	54	85,840.00
July	1	500.00	7	57,800.00	45	92,845.00
August	5	60,340.00	13	191,310.00	64	70,055.00
September	2	1,500.00	11	138,825.00	69	138,265.00
October			13	274,750.00	66	63,705.00
November	5	67,300.00	8	119,750.00	72	77,250.00
Totals	18	$ 354,640.00	150	$3,526,685.00	599	$ 914,335.00

Months	NON-FIREPROOF CONSTRUCTION		FRAME BUILDINGS			
	Semi-Fireproof Construction		Frame Construction		Alteration and Repairs	
	No.	Value	No.	Value	No.	Value
December, 1926			388	$ 859,470.00	271	$ 108,515.00
January, 1927			399	1,036,990.00	203	61,485.00
February	1	$ 250,000.00	642	1,422,195.00	272	113,225.00
March			770	1,808,475.00	341	107,750.00
April			643	1,720,445.00	336	115,265.00
May			517	1,049,870.00	330	107,770.00
June			479	1,137,825.00	346	116,520.00
July			360	749,795.00	348	127,755.00
August			493	948,190.00	463	181,745.00
September			503	916,235.00	533	183,080.00
October			457	941,875.00	404	130,680.00
November			345	527,830.00	304	68,505.00
Totals	1	$ 250,000.00	5,608	$12,259,725.00	3,880	$ 1,313,780.00

BUILDING PERMITS ISSUED FROM DECEMBER 1, 1926, TO NOVEMBER 30, 1927—Continued

Months	MISCELLANEOUS			
	Docks		Alterations and Repairs	
	No.	Value	No.	Value
December, 1926			1	$ 350.00
January, 1927	1	$ 2,500.00	1	500.00
February			1	3,000.00
March				
April			1	2,500.00
May	2	2,407,100.00		
June				
July				
August	1	15,000.00	1	500.00
September			1	5,000.00
October	1	395,000.00		
November			1	2,000.00
Totals	5	$2,819,600.00	7	$ 13,850.00

Months	MISCELLANEOUS					
	Wrecks		Move		Excavation and Foundation	
	No.	Value	No.	Value	No.	Value
December, 1926	4	$ 375.00	1	$ 300.00	12	$ 10,985.00
January, 1927	2	1,200.00	1	25.00	10	18,425.00
February	12	1,140.00	1	40.00	14	18,965.00
March	9	1,050.00	2	125.00	20	33,415.00
April	9	950.00	2	100.00	21	40,145.00
May	14	2,150.00	2	50.00	16	29,375.00
June	11	1,830.00	3	950.00	11	6,175.00
July	12	575.00	3	275.00	9	7,050.00
August	9	855.00	2	675.00	12	6,590.00
September	7	765.00	2	50.00	14	27,965.00
October	8	1,775.00			8	4,610.00
November	6	675.00			6	2,475.00
Totals	103	$ 13,340.00	19	$ 2,590.00	153	$ 206,175.00

BUILDINGS GRADED ACCORDING TO OCCUPANCY FROM DECEMBER 1, 1926, TO NOVEMBER 30, 1927

Months	Grade I		Grade II		Grade III	
	Public Utilities		Quasi-Public Buildings, Hotels, Office Buildings, Stores, etc.		Tenements	
	No.	Value	No.	Value	No.	Value
December, 1926	1	$ 14,000.00	20	$ 418,300.00	7	$ 301,000.00
January, 1927	2	255,000.00	21	1,768,600.00	7	464,000.00
February	2	1,001,000.00	24	241,850.00	3	395,000.00
March			38	459,000.00	7	276,000.00
April	4	550,540.00	21	1,073,750.00	13	910,000.00
May	5	173,400.00	22	879,200.00	1	60,000.00
June	9	304,300.00	19	659,150.00	3	240,000.00
July	3	80,400.00	8	76,100.00	1	40,000.00
August	4	323,300.00	16	200,090.00	2	60,000.00
September	2	80,000.00	14	177,645.00	1	40,000.00
October	1	190,000.00	20	828,200.00	2	82,000.00
November	2	352,500.00	15	175,050.00	3	54,000.00
Totals	35	$3,324,440.00	238	$6,956,935.00	50	$ 2,922,000.00

Months	Grade IV		Grade V	
	Dwellings and Flats		Stables, Sheds and Small Garages	
	No.	Value	No.	Value
December, 1926	157	$ 604,690.00	216	$ 47,580.00
January, 1927	167	737,385.00	219	59,005.00
February	284	1,197,800.00	343	57,145.00
March	332	1,387,070.00	411	94,305.00
April	260	1,158,750.00	371	101,265.00
May	206	875,055.00	308	80,965.00
June	201	888,700.00	265	53,625.00
July	128	562,350.00	232	56,345.00
August	183	780,650.00	308	66,100.00
September	167	764,250.00	333	64,665.00
October	154	649,000.00	296	52,575.00
November	114	444,750.00	226	39,780.00
Totals	2,353	$10,050,450.00	3,528	$ 773,355.00

ELECTRICAL PERMITS ISSUED DURING THE PAST YEARS

Year	No.	Valuation	Average Value Per Permit
1912	2,161	$ 127,951.00	$ 59.20
1913	7,336	652,810.00	88.98
1914	7,859	506,050.00	64.45
1915	6,496	464,510.00	72.72
1916	6,241	547,820.00	87.77
1917	4,875	654,610.00	134.33
1918	5,588	832,295.00	149.12
1919	7,761	902,149.00	117.00
1920	9,527	1,365,216.00	143.30
1921	12,061	1,765,070.00	146.30
1922	16,424	1,582,720.00	96.37
1923	16,580	2,021,285.00	108.89
1924	18,241	2,454,300.00	134.54
1925	18,097	2,423,945.00	134.00
1926	18,467	2,349,070.00	127.20
1927	16,029	2,234,305.00	139.39
Totals	188,543	$20,884,106.00	$110.76

ELECTRIC PERMITS ISSUED

Month	1926			1927		
	No.	Total Valuation	Average Value per Permit	No.	Total Valuation	Average Value per Permit
December, 1926	1,656	$ 200,400.00	$122.01	1,229	$ 222,630.00	$181.14
January, 1927	1,384	162,005.00	117.06	1,117	172,975.00	154.85
February	1,420	161,755.00	113.91	971	115,390.00	118.84
March	1,821	203,800.00	111.80	1,380	180,435.00	130.75
April	1,792	184,760.00	103.10	1,554	159,565.00	102.68
May	1,524	198,865.00	130.48	1,404	177,275.00	125.55
June	1,558	164,760.00	105.75	1,436	175,420.00	122.16
July	1,412	193,225.00	136.92	1,275	219,120.00	171.85
August	1,427	211,900.00	148.93	1,348	161,770.00	120.00
September	1,558	213,305.00	136.90	1,289	159,770.00	123.95
October	1,608	250,205.00	155.60	1,502	277,585.00	184.81
November	1,307	204,090.00	156.23	1,524	212,370.00	139.36
Totals	18,467	$2,349,070.00	$131.45	16,029	$2,234,305.00	$139.39

ELECTRICAL SIGN PERMITS ISSUED

1926		1927	
No.	Value	No.	Value
760	$ 137,840.00	646	$ 197,315.00

PLUMBING PERMITS ISSUED DURING PAST YEARS

Year	Number	Valuation	Average
1917	2,640	$ 348,790.00	$132.12
1918	3,439	548,463.00	159.48
1919	4,369	801,554.00	183.46
1920	4,754	1,084,641.00	228.15
1921	7,941	1,779,218.00	224.06
1922	9,709	2,320,790.00	239.03
1923	8,920	2,239,800.00	251.10
1924	9,718	2,452,445.00	252.35
1925	9,352	3,582,495.00	383.07
1926	8,809	2,719,415.00	308.70
1927	7,504	2,070,310.00	275.89
Totals	77,155	$19,947,921.00	$259.84

PLUMBING PERMITS ISSUED

Month	1926			1927		
	No.	Total Valuation	Average Value per Permit	No.	Total Valuation	Average Value per Permit
December, 1926	611	$ 193,785.00	$317.14	534	$ 152,390.00	$285.37
January, 1927	604	156,530.00	259.10	436	106,210.00	243.60
February	687	227,745.00	331.52	655	191,050.00	291.68
March	953	268,410.00	281.64	876	267,135.00	304.93
April	873	270,930.00	310.34	748	238,250.00	318.52
May	793	273,420.00	344.91	677	176,565.00	260.80
June	773	222,400.00	287.71	657	192,090.00	292.37
July	688	249,810.00	363.08	564	160,775.00	285.06
August	728	231,105.00	317.44	658	208,055.00	317.71
September	743	245,830.00	317.40	592	127,255.00	214.95
October	755	204,220.00	270.49	620	132,790.00	214.18
November	601	175,230.00	291.39	487	117,745.00	241.78
Totals	8,809	$2,719,415.00	$308.70	7,504	$2,070,310.00	$275.89

GENERAL REPORT OF BUILDING DIVISION

	1926	1927
Total days' inspection	2,474	2,540
Total number inspections	49,745	47,629
Ordinance violations discovered	4,746	4,277
Municipal Court prosecutions	27	44
Circuit Court prosecutions	13	8
Jobs started without permits	342	259
Elevator inspections	.....	.....
Complaints investigated	145	229
Billboard inspections	218	305
Sign inspections	925	811
Fire reports	8	9
Accident reports	6	13
Dangerous buildings	.....	.....
Average value of daily permits	$117,661.21	$98,085.50
Average number of permits per day	48	*38
Average daily inspections per man	24.8	†22.9
Fees for building permits	$38,296.00	$33,973.80
Fees for billboard permits	$262.00	$253.40
Letters written	4,585	5,000
Circulars and bulletins	7,370	6,503
Reports, ordinances, etc	.....	652

*20.8% decrease. †7.7% decrease.

GENERAL REPORT OF ELECTRICAL DIVISION

	1926	1927
Total days regular inspection	2,182	2,283
Total number regular inspections	45,914	45,160
Total days special inspections	1,017	725
Total number special inspections	6,460	5,003
Ordinance violations discovered	13,680	10,959
Municipal Court prosecutions	6	14
Circuit Court prosecutions	0	0
Jobs without permits	619	684
Defective wiring—Fire Marshal's reports	667	541
Car tickets	1,426	1,483
Average value of daily permits	$8,359.68	$8,037.00
Average number of permits per day	67	58
Average regular inspections per man	20.8	18.5
Receipts—fees for permits	$37,001.45	$29,442.89
Receipts—fees for sign permits	$380.00	$321.50
Total receipts from other sources	$8,186.50	$5,524.50
Total receipts from all sources	$45,567.95	$35,288.89
Letters written	665	1,014
Circulars and bulletins	12	6

GENERAL REPORT OF PLUMBING DIVISION

	1926	1927
Total days inspection	1,670	1,658
Total number of inspections	23,133	22,241
Ordinance violations	2,585	2,994
Municipal Court prosecutions	9	9
Circuit Court prosecutions	4	0
Surpeme Court prosecutions	1	0
Complaints investigated	1,046	1,138
Car tickets used	1,592	406
Ratio of visits to car tickets	2.5	1.7
Average value to daily permits	$9,677.63	$6,901.03
Average number of permits per day	31.3	25
Average daily inspections per man	13.9	13.5
Total fees for plumbing permits	$31,410.50	$24,296.00
Number of letters written	3,431	3,942
Form letters, notices, etc.	910	574

TABLE OF VIOLATIONS OF BUILDING DIVISION

1.	Poor foundations	162
2.	Defective construction	974
3.	Too close to lot line	84
4.	Defective chimneys	417
5.	Heating apparatus and enclosures	391
6.	Elevators and enclosures	9
7.	Stair and shaft enclosures	127
8.	Roofs and roof drains	104
9.	Fire blocks and bridging	1,184
10.	Sidewalk and street obstruction	28
11.	Light and ventilation	203
12.	Fire protection of openings	137
13.	Defective scaffolds	0
14.	Stable regulations	0
15.	Miscellaneous	461
16.	Fire escapes, exits, stand-pipes, etc	6
17.	Frame buildings	8
18.	Dangerous buildings	0
	Total	4,275

During the fiscal year December 1, 1926, to November 30, 1927, there were eleven (11) Special Ordinances granting Revocable Permits for slight deviations from the Building Code, thirty-two (32) Special Permanent Ordinances granting deviations from the Building Code, and one hundred and twenty-four (124) Special Permanent Ordinances granting deviations from the Housing Code, making a total of one hundred and sixty-seven (167) passed during the year.

MUNICIPAL PAVING PLANT

Portland, Oregon, February 3, 1928.

MR. A. L. BARBUR, COMMISSIONER OF PUBLIC WORKS.

Dear Sir: There is submitted herewith the annual report of the Municipal Paving Plant, for the fiscal year ended November 30, 1927.

There is included in the report, a complete copy of the Report on Annual Audit, of Peat, Marwick, Mitchell & Co., Accountants and Auditors, for the fiscal year 1927.

In addition, there are included certain statements compiled by the Paving Plant Division as enumerated in the index.

Respectfully submitted,

R. S. DULIN, SUPERINTENDENT, MUNICIPAL PAVING PLANT.

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PEAT, MARWICK, MITCHELL & CO.
Accountants and Auditors
Northwestern Bank Building, Morrison Street, Corner Broadway

Portland, Oregon, January 19, 1928.

HON. A. L. BARBUR, COMMISSIONER OF PUBLIC WORKS.

Dear Sir: In accordance with your instructions, we have audited the accounts of the City of Portland pertaining to the operations of the Municipal Paving Plant for the year ended November 30, 1927, and now submit our report thereon, together with the statements enumerated in the index appended hereto.

The Municipal Paving Plant is operated as a department of the City under the Commissioner of Public Works. Its operations include laying new pavements, repairing pavement cuts for the Bureau of Maintenance and for public utility companies, and doing small paving jobs for commercial concerns or individuals. Charges for laying new pavement are based on flat prices for materials and labor with a fixed charge per square yard for overhead costs. In addition to this, the City adds a 10 per cent surcharge before passing the assessment on to the property owners. This surcharge is not entered in the accounts of the Paving Plant. Repair work and miscellaneous services are charged for at more or less fixed prices. Cost records are maintained, which show that the rates charged are in excess of cost. On all new pavement laid under contract, a charge of 5 cents a square yard is made to provide for maintenance for a period of five years.

Our audit embraced the verification, as hereinafter described, of the assets and liabilities of the department as at November 30, 1927, and also a review of the operating accounts for the year then ended. In that connection, and in order to satisfy ourselves regarding the general accuracy of the accounts, we made a series of tests of the transactions relating to cash receipts and disbursements, purchases, expenses, sales and other matters of detail.

OPERATIONS

The net income for the year is $37,583.99, after providing for maintenance and depreciation of the physical properties and for the estimated cost of maintaining for five years all new pavement laid during the year, and also after having written off a loss of $20,539.01 on the old paving plant and machinery abandoned when the new one was built during the year. The following is a condensed comparative statement of operations for the years ended November 30, 1927 and 1926, together with a table of percentages based on net revenue:

Particulars	1927	1926	% Sales 1927	% Sales 1926
Net Revenue	$ 272,547.75	$ 322,819.54	100.00	100.00
Expenses	219,796.88	265,456.56	80.62	82.25
Net Operating Profit	$ 52,750.87	$ 57,362.98	19.38	17.75
Miscellaneous Income or *Charges (Net)	$ *15,166.88	$ 6,679.82	*5.63	2.07
Net Income	$ 37,583.99	$ 64,042.80	13.75	19.82

There was a marked decrease in the amount of repair work and new pavement laid by the Paving Plant during the year just closed, new pavement work being 39 per cent and repair work 30 per cent less than the previous year. Notwithstanding this, there were economies in operation which slightly increased the ratio of net operating profit, but a loss of $20,539.01 resulting from wrecking and abandoning the old plant at the foot of Clay Street, and which is included in miscellaneous charges, has left a net income relatively much smaller than that of the previous year.

Further particulars of the operations for the year under review will be found in the Profit and Loss Account, Exhibit "A", appended to this report. The net income has been transferred to Surplus Account, a statement of which is presented below:

Surplus as at November 30, 1926		$108,413.05
Add—		
Restoration of bad debt reserve		4,111.34
Net income for year ended November 30, 1927		37,583.99
		$150,108.38
Deduct—		
Cash transferred to General Fund:		
July 27, 1927, Ordinance No. 52669	$10,000.00	
Sept. 28, 1927, Ordinance No. 53248	10,000.00	
Nov. 28, 1927, Ordinance No. 53602	20,000.00	
Nov. 28, 1927, Ordinance No. 53602	20,000.00	40,000.00
Surplus as at November 30, 1927		$110,108.38

The composition of November 30, 1927, balance of surplus is as undernoted:

Total net earnings to November 30, 1927	$245,308.38
Less amounts transferred by ordinance to other City funds	135,200.00
	$110,108.38

FINANCIAL POSITION

The financial position of the Municipal Paving Plant at November 30, 1927, is set forth in detail in the Balance Sheet, Exhibit "B", appended to this report. The following statement presents a Con-

densed Balance Sheet at November 30, 1927, in contrast with that of November 30, 1926:

CONDENSED BALANCE SHEET

	November 30		Increase *Decrease
	1927	1926	
Assets—			
Current Assets:			
Municipal Paving Rotary Appropriation Account	$ 30,141.32	$ 30,998.10	$ *856.78
Accounts Receivable—Repairs and Special Jobs, less Reserve for Bad Debts	11,484.96	6,369.98	5,114.98
Inventory of Materials and Supplies	2,942.04	3,762.95	*820.91
Total Current Assets	$ 44,568.32	$ 41,131.03	$ 3,437.29
Prepaid Expenses	$ 432.75	$ 656.87	$ *227.12
City of Portland (Pledged $55,044.57)	114,688.12	164,786.14	*50,098.02
Plant and Equipment	111,923.36	47,848.40	64,074.96
Totals	$ 271,612.55	$ 254,425.44	$ 17,187.11
Liabilities—			
Current Liabilities:			
Notes Payable—Bank (Secured)	$ 40,000.00	$ 20,000.00	$ 20,000.00
Accounts Payable—Trade Creditors	2,394.46	6,926.88	*4,532.42
Accrued Interest	186.67	156.67	30.00
Total Current Liabilities	$ 42,581.13	$ 27,083.55	$ 15,497.58
Reserve for Maintenance of Pavement	$ 27,330.91	$ 27,336.71	$ *5.80
Appropriations from General Funds	91,592.13	91,592.13	
Surplus	110,108.38	108,413.05	1,695.33
Totals	$ 271,612.55	$ 254,425.44	$ 17,187.11

Contingent Liabilities—None.

In connection with our analysis and verification of the accounts relating to assets and liabilities at November 30, 1927, the following comment is submitted:

ASSETS

The Rotary Fund balance ($30,141.32) was verified by inspection of the controlling accounts in the general ledger of the City of Portland and the ledger accounts of the City Treasurer.

The accounts receivable consist of accounts due from other City bureaus, contractors and corporations for work done by the Paving Plant. All of the accounts appear to be in process of collection.

We verified the footings and extensions of the inventory of materials and supplies, and obtained a certificate from the Superintendent as to quantities and values. The articles are priced at cost, and from our examination we believe the inventory is correctly stated in the books and on the Balance Sheet.

The prepaid expenses, consisting of unexpired insurance premiums of $430.75 and lease rentals of $2.00, were verified by us.

Amounts due from the City of Portland are as follows:

Warrants on hand for pavement improvements	$ 5,951.84
Warrants receivable from the City Auditor	74,796.28
Loan to the Engineering Fund	30,000.00
Uncompleted improvements and maintenance	3,940.00
	$114,688.12

Cash is received for warrants as monies are received by the City of Portland from property owners or from the sale of bonded assessments. The warrants bear interest at 6 per cent per annum from date until called. The completed assessments for which warrants have not been issued also bear interest at 6 per cent for a 48-day period from date of completion of the work. All warrants were produced for our inspection or were otherwise satisfactorily accounted for. We verified those assessments for which warrants had not been issued by inspection of City records. One of these assessments (Forty-first Street, $55,044.57) is placed with the Security Savings & Trust Company as security for an amount of $40,000 borrowed from that bank.

During the year the loan of $30,000 made to the Rose City Golf Fund was transferred from that department of the City to the Engineering Rotary Account to help finance the Front Street Interceping Sewer and Drainage System. The loan was unpaid at November 30, 1927. It is to be repaid as funds become available in the Engineering Rotary Account. The loan is dated June 29, 1927, and bears no interest. We inspected the ordinance authorizing the loan.

Uncompleted improvements and maintenance, $3940 consists of uncompleted work for City departments which will be finished and billed to the departments shortly after the close of the fiscal year. We verified these charges from production records.

During the year the Paving Plant Department acquired land at River and Essex Streets in the Albina District and erected a new paving plant. The old plant at the foot of Clay Street was demolished and the machinery moved to the new plant. Construction was not finished, however, in time to place the new plant in operation before November 30, 1927. The old plant account and the corresponding depreciation reserves were closed out and the resulting loss, $18,349.18, was written off. The property, plant and equipment is stated at cost after deducting appropriate allowances for depreciation to November 30, 1927. Particulars of the fixed asset accounts included under this caption and the depreciation reserves provided there against will be found in Schedule "I" appended to this report. The gross expenditures for new plant and additions for the year, $111,383.10, was verified by inspection of properly approved vouchers and ordinances.

LIABILITIES

The records were carefully examined as to current liabilities, and from such examination we believe they are fully disclosed in the books and the Balance Sheet at November 30, 1927.

To provide funds needed by the Paving Plant and the General Fund, the City of Portland borrowed $40,000 from the Security Savings & Trust Company on November 2, 1927. Payment is due within

one year with interest at 6 per cent per annum. As collateral, the City has issued an Improvement Certificate covering one of the warrants receivable (Forty-first Street, $55,044.57). Payments on this warrant are to be turned over to the bank until the loan is paid in full. We inspected City records authorizing the loan.

We obtained a certificate from the Superintendent of the Paving Plant that no contingent liabilities existed as at the date of the Balance Sheet and our audit did not disclose any liabilities of that nature.

The reserve for maintenance of pavement, $27,330.91, is the balance remaining after crediting the account with 5 cents per square yard charged on all new pavement laid and charging the account with maintenance costs. The account includes $3596.43 unused balances for pavement maintenance on streets on which the five years have elapsed.

The appropriations from General Funds, $91,592.13, is the balance of the original appropriation from the General Fund of the City to erect the plant and provide working capital. The Paving Plant loan account in the general ledger of the City shows a balance of but $333.01. The difference ($91,259.12) is explained as follows:

Surcharge of 10% made by City on new improvements, but not entered in the Paving Plant books	$76,059.12
Credits made by City Auditor to Paving Plant Loan Account instead of to General Fund, covering transfers from Paving Plant surplus to the General Fund	15,200.00
	$91,259.12

We examined the insurance policies. Fire insurance to the extent of $25,000 is carried on buildings, docks and machinery, the net book value of which at November 30, 1927, was approximately $66,700. We observed that a policy for $15,000 covering the abandoned plant, dock and bunkers at the foot of Clay Street had not been canceled at November 30, 1927. Liability insurance is carried on auto trucks, steam rollers and boilers and the Paving Plant also operates under the Workmen's Compensation Act of Oregon.

The accounts have been kept in a careful and accurate manner. The accounting is on the accrual basis, while the records of the City of Portland include only cash receipts and disbursements, and for this reason the surplus on the Paving Plant books is not reflected in the City accounts.

Yours truly,

Signed: PEAT, MARWICK, MITCHELL & CO.

INDEX TO STATEMENTS

	Exhibit
Profit and Loss Account, for the year ended November 30, 1927	"A"
Balance Sheet, as at November 30, 1927	"B"
	Schedule
Property, Plant and Equipment, as at November 30, 1927	"1"

EXHIBIT "A"
PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDED NOVEMBER 30, 1927

Revenue—			
New paving			$ 91,242.22
Less maintenance provision			2,291.40
			88,950.82
Repairs to hard surface streets			164,534.85
Special work			7,555.84
Miscellaneous work			11,506.24
Net revenue			$272,547.75
Expenses—			
Direct expense:			
Direct labor		$ 54,138.81	
Superintendence		11,387.69	
Hired trucks and teams		2,208.01	
Plant trucks—supplies, repairs and depreciation		383.24	
City trucks — supplies, repairs and depreciation		6,261.38	
Passenger cars — supplies, repairs and depreciation		1,146.99	
Road rollers — supplies, repairs and depreciation		3,835.07	
Sub-contracts		53,818.32	
Sand		4,493.62	
Gravel		320.84	
Screenings		2,187.08	
Crushed rock		11,988.80	
Cement and rock dust		1,463.90	
Asphalt		23,215.71	
Filler sand		2,616.45	
Coal oil		1,305.34	
Fuel oil		6,851.93	
Lubricating oil		428.63	
Distillate and gasoline		1,071.06	
Fuel		288.08	
Power and light		813.58	
Hot asphaltic concrete mix.		3,399.33	
Sundry materials and supplies		592.15	
Indirect Expense:			
Vacations and holidays	$ 5,307.72		
Watchmen and attending lights	2,279.73		
Office expenses, including depreciation	1,290.23		
Carfare	43.80		
Insurance, fire	615.82		
Insurance, liability	1,494.84		
Telephone	142.85		
Small tools	584.23		
Sundry expenses	703.20		
Plant—Supplies	1,686.63		
Plant—maintenance and repairs	2,195.32		
Plant—depreciation	6,691.85		
Depreciation sundry equipment	2,544.05	$ 25,580.27	
Total expenses			$219,796.88
Net operating profit			$ 52,750.87

PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDED NOVEMBER 30, 1927—Continued

Miscellaneous Charges—			
Loss on old plant abandoned..	.....	$ 17,719.84	
Loss on machinery abandoned or used up	.....	629.34	
Loss on Ford truck sold.....	.....	19.76	
Moving machinery from old plant and installing it in new plant	.....	2,189.83	
Interest	.....	454.60	
		$ 21,013.37	
Less Miscellaneous Income—			
Interest Income:			
From bank deposits.....	1,289.52		
From improvement warrants	3,256.76		
From loan to Rose City Golf Fund	1,295.00		
Sundry income	5.21	$ 5,846.49	
Miscellaneous charges (net)	.....	.....	$ 15,166.88
Net income	.....	.....	$ 37,583.99

SURPLUS ACCOUNT

Surplus as at November 30, 1926.....	.....		$108,413.05
Add—			
Restoration of bad debt reserve.....	.....		4,111.34
Net income for the year ended November 30, 1927	.....		37,583.99
			$150,108.38
Deduct cash transferred to the General Fund—			
July 27, 1927, Ordinance No. 52669.....		$ 10,000.00	
Sept. 28, 1927, Ordinance No. 53248.....		10,000.00	
Nov. 28, 1927, Ordinance No. 53602.....		20,000.00	40,000.00
Surplus as at November 30, 1927.....	.....		$110,108.38

EXHIBIT "B"

BALANCE SHEET AS AT NOVEMBER 30, 1927

ASSETS		
Current Assets—		
Municipal Paving Rotary Appropriation Account	.....	$ 30,141.32
Accounts receivable—Repairs and special jobs	.....	11,484.96
Inventory of materials and supplies.....	.....	2,942.04
Total current assets.....	.....	$ 44,568.32
Prepaid expenses—Insurance and lease fees.....	.....	432.75
City of Portland (pledged $55,044.57).....	.....	114,688.12
Plant and Equipment—		
Land and land improvements.....	$ 34,333.27	
Building and docks	42,998.26	
Machinery	31,347.17	
Equipment	26,363.06	
	$135,041.76	
Less reserve for depreciation.....	23,118.40	111,923.36
		$271,612.55
LIABILITIES		
Current Liabilities—		
Notes payable—Bank (secured).....	.....	40,000.00
Accounts payable—Trade creditors.....	.....	2,394.46
Accrued interest	.....	186.67
Total current liabilities.....	.....	$ 42,581.13
Reserve for maintenance of pavement.....	.....	27,330.91
Appropriation from General Funds.....	.....	91,592.13
Surplus	.....	110,108.38
		$271,612.55
Contingent liabilities—None.		

SCHEDULE "1"

PROPERTY, PLANT AND EQUIPMENT AS AT NOVEMBER 30, 1927

	As at Nov. 30, 1926	Transactions for Year		As at Nov. 30, 1927
		Additions	Deductions	
Gross Book Value:				
Land and Land Improvements, River and Essex	.....	$ 34,333.27	.....	$ 34,333.27
Buildings and Dock, River and Essex Plant	.....	42,998.26	.....	42,998.26
Buildings and Dock, Clay Street Plant	$ 61,473.25	.....	$ *61,473.25	.....
Machinery at River and Essex Plant	.....	13,662.59	.....	13,662.59
New Gantry Crane at River and Essex Plant	.....	17,664.58	.....	17,684.58
Machinery at Clay Street Plant	15,814.58	.....	*15,814.58	.....
Sundry Equipment:				
Streetworking Equipment	.....	1,194.40	.....	1,194.40
Steam Road Rollers and Equipment	10,160.37	.....	.....	10,160.37
Motor Trucks and Equipment	11,294.70	1,338.50	1,094.81	11,538.39
Passenger Cars and Equipment	1,759.38	.....	.....	1,759.38
Office Furniture and Fixtures	1,539.02	171.50	.....	1,710.52
Total Gross Book Value	$ 102,041.30	$ 111,383.10	$ 78,382.64	$ 135,041.76
Reserve for Depreciation:				
Buildings and Dock, River and Essex Plant	.....	.....	.....	.....
Buildings and Dock, Clay Street Plant	$ 36,315.23	$ 6,691.85	$ *43,007.08	.....
Machinery, River and Essex Plant	.....	7,656.15	.....	$ 7,656.15
New Gantry Craue, River and Essex Plant	.....	.....	.....	.....
Machinery, Clay Street Plant	6,758.82	2,544.05	*9,302.87	.....
Sundry Equipment:				
Streetworking Equipment	.....	747.14	.....	747.14
Steam Road Rollers and Equipment	5,040.74	1,015.96	.....	6,056.70
Motor Trucks and Equipment	4,747.19	2,808.84	1,075.05	6,480.98
Passenger Cars and Equipment	570.98	570.84	.....	1,141.82
Office Furniture and Fixtures	759.94	275.67	.....	1,035.61
Total Reserve for Depreciation	$ 54,192.90	$ 22,310.50	$ 53,385.00	$ 23,118.40

NET BOOK VALUE

	1927	1926	Depreciation Rates %
Land and Improvements	$ 34,333.27	.....	.....
Buildings and Dock, River and Essex Plant	42,998.26	.....	6⅔
Buildings and Dock, Clay Street Plant	.....	$ 25,158 02	.....
Machinery at River and Essex Plant	6,006.44	.....	16⅔
New Gantry Crane, River and Essex	17,684.58	.....	6⅔
Machinery at Clay Street Plant	.....	9,055.76	.....
Sundry Equipment:			
Streetworking Equipment	447.26	.....	50
Steam Road Rollers and Equipment	4,103.67	5,119.63	10
Motor Trucks and Equipment	5,057.41	6,547.51	20–25
Passenger Cars and Equipment	617.56	1,188.40	25
Office Furniture and Fixtures	674.91	779.08	10–20–33⅓
Total Net Book Value	$ 111,923.36	$ 47,848.40	

* Old plant at Clay Street abandoned and loss written off.

PRODUCTION REPORT FOR FISCAL YEAR ENDED NOVEMBER 30, 1927

Job No. P.	Street	Limits	Cost of Sub-grade and Extras	Cost of 4" Crushed Rock Base
	Section No. 1—New Improvements Completed—			
1	E. Glisan St.	E. 20th St. to E. 21st St.	$ 597.10	Proceedings
2	E. Couch St.	E. 3rd St. to E. 10th St.	631.63	$ 542.60*
3	Grover St.	Gillette Ave. to Corbett St.	568.70	214.75*
4	41st St., S. E.	Woodstock Ave. to 45th Ave., S. E.	42,720.21	2,187.44*
5	58th St., S. E.	44th Ave. to 42nd Ave., S. E.	***	
6	Halsey St.	E. 24th St. to E. 28th St.	565.32	263.55*
7	Number dropped.			
8	6th St., E.	Spokane Ave. to Nehalem Ave.	***	
9	Atlantic St.	Portland Blvd. to Dekum Ave.	***	
10	E. 14th St.	Belmont St. to E. Stark St.	692.22	224.33*
11	E. 34th St., et al.	Killingsworth Ave. to Jessup St.	***	
12	E. 32nd St.	Emerson St. to Killingsworth Ave.	***	
13	E. 21st St.	Yukon Ave. to Reedway	560.26	330.30*
14	27th St.	Raleigh St. to Thurman St.	***	
15	Knowles Ave.	Portland Blvd. to Lombard St.	***	
16	E. Irving St.	Sandy Blvd. to E. 18th	810.19	468.74
17	17th St.	Market to Taylor	4,140.96	257.85 2,358.36**
18	E. 16th St.	Marion to Linn	252.19	290.46
19	Gillette Ave.	Gibbs to Pennoyer	1,112.12	209.47*
		Totals completed	$ 52,650.90	$ 7,347.85
	Section No. 2—New Improvements Incomplete—			
20	Clatsop Ave.	E. 17th St. to E. 19th St.	$ 5.65	$ 1,022.23

Reconciliation with 1927 Audit:

Municipal Paving Plant: New Improvements—Total Cost ..... $ 91,342.22
Less Adjustments recorded 2J 53 and 2J 56 ..... 100.00

Peat, Marwick, Mitchell Co.—Report on Audit 1927—Exhibit "A"—Sheet 1... $ 91,242.22

* Crushed Rock Embankment for Redress.
** Bituminous Base.
*** Concrete Pavement authorized by Council on preferential petition after bids were opened.

Job No. S.		
	Section No. 3—Special and Private Jobs—	
1	NePage, McKenny Co.	Paving Lighting Cuts on 5th and 6th Sts.
1½	NePage, McKenny Co.	Paving Lighting Cuts on 5th and 6th Sts.
2	Multnomah County	Paving Ross Island Bridge Approach
3	Jaggar Sroufe Co.	Paving Lighting Cuts on 11th, Morrison to Jefferson
4	Parker-Schramm Co.	Paving Lighting Cuts on Washington, 4th to 23rd Sts.
4½	Parker-Schramm Co.	Paving Lighting Cuts on Washington, 4th to 23rd Sts.
5	School District No. 1	Paving N. Side of Ainsworth Ave., Maryland to Montana
6	City—Elimination of Slippery Wood Block Crosswalks	Paving 4th St. at Yamhill, Alder and Stark Sts.
7	Edlefsen-Weygandt Co.	Paving 2nd St., Sheridan to Arthur
8	Oregon Electric Railway	Paving Between Car Tracks on Salmon and 10th Sts.
		Totals—Special and Private Jobs

Cost of 2" Asphaltic Concrete Top	10% Cost of Top For General Fund	Total Cost of Top Incl. 10% Gen. Fund	Total Charge	Lowest Private Contractors' Bid	Saving to Property Owners	Square Yards of Top
discontinued			$ 597.10	Discontinued		
$ 3,604.24	$ 360.42	$ 3,964.66	5,138.89	$ 6,518.10	$ 1,379.21	5,543
1,646.46	164.65	1,811.11	2,594.56	2,620.44	25.88	2,032
9,692.37	969.23	10,661.60	55,569.25	61,475.14	5,905.89	14,063
1,659.22	165.92	1,825.14	2,654.01	3,362.20	708.19	2,628
2,351.42	235.14	2,586.56	3,503.11	4,261.36	758.25	3,778
1,676.82	167.68	1,844.50	2,735.06	3,355.80	620.74	2,685
2,667.13	266.71	2,933.84	4,212.77	5,255.60	1,042.83	4,257
4,398.51	439.85	4,838.36	11,831.37	15,196.67	3,365.30	6,791
	235.84**	2,594.20**				3,902**
437.17	43.71	480.88	1,023.53	1,116.75	93.22	648
2,183.25	218.22	2,400.47	3,722.06	4,609.96	887.90	3,403
$ 30,315.59	$ 3,267.37	$ 35,941.32	$ 93,581.71	$ 107,772.02	$ 14,787.41	49,730
			$ 1,027.88			

Cost of Base and Subgrade	Cost of Top	10% General Fund	Total Charge	Square Yards
$ 251.68	$ 858.03	$ 110.97	$ 1,220.68	
	1,343.78	134.38	1,478.16	
	57.95	5.80	63.75	
	680.80	68.08	748.88	
	756.71	75.67	832.38	
	431.24	43.13	474.37	
357.82	245.97	24.59	628.38	294.80
				444.38
	746.06		746.06	1,778.00
121.01	1,199.34	119.93	1,440.28	314.98
	505.45	50.54	555.99	
$ 730.51	$ 6,825.33	$ 633.09	$ 8,188.93	2,832.16

PRODUCTION REPORT FOR FISCAL YEAR ENDED NOVEMBER 30, 1927—Continued

Job No. M.			Cost	Profit	Total Charge	Square Yards
	Section No. 4—Miscellaneous Operations—Completed—					
1	Warren Construction Co...	A. C. Mix	$ 197.87	$ 99.63	$ 297.50	
1	A. D. Kern	A. C. Mix	333.51	233.17	566.68	
2	Bureau of Maintenance	Spreading Sand and Screenings	80.59	5.69	86.28	
3	Simonsen & Johnson	Filling Concrete Cracks with Asphalt—Portland Blvd	77.53	7.75	85.28	
4	Lundstrom & Carlson	Filling Concrete Cracks with Asphalt—Terrace Drive	13.89	1.39	15.28	
5	Shea & Lundstrom	Filling Concrete Cracks with Asphalt—Powell Street	142.34	14.24	156.58	
6	C. R. Johnson	Repair Sewer Cuts—82nd St. at Foster Road and South	356.23	35.62	391.85	229.68
7	Bureau of Maintenance for Sperry Flour Co.	Replacing Pavement—E. 1st and Stark Sts	25.27	2.53	27.80	9.78
8	Bureau of Maintenance	Repairing Pavement—Aspen St., N. of Franklin St	31.46		31.46	
9	H. A. Ham	Roller Service—Division St. between 37th and 39th Sts	14.44	7.44	21.88	
10	Water Bureau	Repairing Damaged Pavement—Hancock St., between 16th and 17th Sts	314.75	31.48	346.23	161.78
11	Bureau of Maintenance	Filling Concrete Cracks with Asphalt—Various Streets	1,651.68		1,651.68	67.74
12	Paving Plant No. 2 — See Internal Construction below					
13	Appropriation for Maintenance of Hard Surface Streets	Repairs to Damaged Streets—U. S. Grant Place, 33rd to 36th Sts	361.02	36.10	397.12	428.57
14	Pacific Coast Biscuit Co.	Repairs to Driveways—11th and 12th Sts., between Davis and Everett Sts	41.96	4.20	46.16	40.46
15	J. Rebman	Paving—S. E. Corner E. 40th St. and Sandy Blvd	94.07	9.41	103.48	63.22
16	Edlefsen-Weygandt Co	Skin Patch Joints—West Approach to Ross Island Bridge	469.62	46.97	516.59	436.57
16-(5)	P. E. P. Co	Skin Patch Joints—West Approach to Ross Island Bridge	72.14	7.21	79.35	78.33
17	S. P. & S. R. R. Co	Patching Crossing—17th and Upshur Sts	63.36	6.34	69.70	61.64
18	Cochran Constn. Co	Patching Joints—Fremont St., Sandy to 41st St	1,748.04	174.81	1,922.85	
19	J. Rebman	Roller Service—E. 3rd St., between Clay and Market Sts	15.40	2.87	18.27	
20	S. P. R. R. Co	Patching Crossing—E. 1st St. and Belmont St	74.84	7.49	82.33	71.46
21	Bureau of Maintenance, Street Repairs, E-2	Raising Pavement to New Curb and Walk—Aspen, N. of Franklin	72.29	7.23	79.52	52.00
22	Oregon Contract Co	Patching Joints—Sandy Blvd., 73rd St. to 82nd St	848.11	84.82	932.93	
23	The Reed Institute	Paving Driveway—Reed College	364.28	36.43	400.71	
24	A. D. Kern	Patching Joint—Columbia Slough Rd. and Vancouver Av.	66.50	6.65	73.15	
25	J. Rebman	Roller Service—27th St., between Raleigh and Thurman	11.90	2.21	14.11	
26	Pacific Properties Co.—L. H. Hoffman	Skin Patch—North Side Salmon St., 5th to 6th Sts	107.29	10.73	118.02	115.96
27	G. W. Talbot, Trustee—L. H. Hoffman	Raise Pavement—N. Side Salmon between 6th and 5th Sts.	106.95	10.70	117.65	81.67
28	Water Bureau	Repair Damaged Pavement—E. 47th St. and Halsey	573.59	48.72	622.31	704.44
29	J. Rebman	Ogden Ave. from 36th to 37th Sts	20.05	3.10	23.15	
30	Union Pacific R. R. Co	Patch Crossing—E. 3rd and Madison Sts	64.48	6.45	70.93	61.29
31	American Ry. Express Co.	Patch Driveway—East Side 5th St., between Hoyt and Irving Sts	142.22	14.22	156.44	
32	Ne Page McKenny Co	Paving Morrison St.—Lighting System Cuts	1,112.45	111.25	1,223.70	337.35
33	L. H. Hoffman	Paving Cuts on 6th St. between Taylor and Salmon Sts	367.35	36.74	404.09	440.00
34	Multnomah Connty	Paving Under West Approach of Broadway Bridge	322.89	32.29	355.18	378.00
		Totals Miscellaneous Operations—Completed	$ 10,360.36	$ 1,145.88	$ 11,506.24	3,819.94

PRODUCTION REPORT FOR FISCAL YEAR ENDED NOVEMBER 30, 1927—Continued

Month	Year	Square Yards Bituminous	Square Yards Non-Bit.	Cost Bituminous	Cost Non-Bit.	Profit	Total Charge
Section No. 5—Repairs to Hard	**Surface Streets and Restoration of Cuts—**						
December	1926	4,588.97	368.20	$ 7,521.85	$ 1,114.57	$ 1,635.44	$ 10,271.86
January	1927	4,564.44	605.52	7,819.61	1,868.27	529.49	10,217.37
February	1927	5,486.26	274.14	9,877.60	1,003.06	2,264.63	13,145.29
March	1927	13,152.56	336.93	17,664.67	1,176.64	7,019.80	25,861.11
April	1927	9,831.81	498.12	13,272.45	1,322.61	4,873.43	19,468.49
May	1927	9,051.03	569.03	12,683.70	1,496.81	4,393.37	18,573.88
June	1927	11,195.96	1.65	14,194.33	7.95	4,175.55	18,377.83
July	1927	3,250.82	5.37	5,317.07	39.46	1,530.34	6,886.87
August	1927	7,197.95	.....	11,245.63	.....	2,855.01	14,100.64
September	1927	3,480.90	8.21	7,107.72	56.73	523.33	7,687.78
October	1927	4,256.18	.....	8,897.44	.....	408.63	9,306.07
November	1927	5,376.32	.....	10,085.16	.....	553.40	10,638.56
Totals—Repairs to Hard Surface Streets and Restoration of Cuts		81,433.20	2,667.17	$ 125,687.23	$ 8,086.10	$ 30,762.42	$ 164,535.75
Reconciliation with 1927 Audit		.....	.....	.....	.....	.90	.90
Less Overcharge as per 2J86		.....	.....	.....	.....	$ 30,761.52	$ 164,534.85

	Cost of Production	Paving Plant Profits	Paving Plant Total Income	General Fund Net Earnings	Charges	Sq. Yds. of Production
Section No. 6—Recapitulation—						
Section No. 1—New Improvements—Completed	$ 90,314.34	.....	$ 90,314.34	$ 3,267.37	$ 93,581.71	45,828.00
Section No. 2—New Improvements—Incomplete	1,027.88	.....	1,027.88	.....	1,027.88	.....
Section No. 3—Special and Private Jobs	7,555.84	.....	7,555.84	633.09	8,188.93	2,832.16
Section No. 4—Miscellaneous Operations	10,360.36	$ 1,145.88	11,506.24	.....	11,506.24	3,819.94
Section No. 5—Repairs to Hard Surface Streets	133,773.33	30,761.52	164,534.85	.....	164,534.85	84,100.37
Total Production	$ 243,031.75	$ 31,907.40	$ 274,939.15	$ 3,900.46	$ 278,839.61	136,580.47
Section No. 7—Profit and Loss Reconciliation—						
Cost of Production as charged to work per Section 6	.....	$ 243,031.75				
Less Adjustments as shown under Section 2 and Section 5	.....	100.90				
Net Production Charge	.....	$ 242,930.85				
*Actnal Expenses as per Exhibit A	.....	*222,088.28				
Profit on Materials, Services and Overhead	.....	.....	$ 20,842.57			
Add: Production Profit as per Section 6	.....	.....	31,908.30			
Net Operating Profit (per Profit and Loss Account—Exhibit A)	.....	.....	$ 52,750.87			
Deduct: Miscellaneous Expense (Exhibit A)	$ 21,013.37	.....	.....			
Less Miscellaneous Income (Exhibit A)	5,846.49	.....	15,166.88			
Net Income	.....	.....	$ 37,583.99			

* Includes Provision for Maintenance of New Pavement ($2,291.40 per Exhibit A).

ALLOCATION OF RESERVE FOR MAINTENANCE OF NEW IMPROVEMENTS, FISCAL YEAR 1927

Street	Limits	
	From	To
1919—		
E. Madison St.	E. Water St.	E. First St.
Morrison St.	Chapman St.	Stout St.
E. Ninth St.	E. Ash	E. Burnside
E. Sixteenth St.	E. Morrison	E. Stark
Totals—1919		
1920—		
Clatsop Avenue	E. 11th St.	E. 13th St.
Clatsop Avenue	E. 13th	E. 17th St.
E. Everett St.	E. 10th	E. 12th
Flint St.	Broadway	Hancock
Flint St.	Tillamook	Hancock
Harold Ave.	Milwaukie to	E. 24th
Jersey St.	Richmond	Baltimore
Killingsworth Ave.	E. 30th	E. 42nd
E. Madison St., et al.	E. 11th St., et al.	
Ramona Ave., et al.	E. 14th	Bybee to South Ave.
Rhone St., et al.		
Tacoma Ave.	E. 15th	E. 17th
Tenino Ave.	E. 13th	E. 15th
E. 15th St.	E. Morrison	E. Stark
E. 16th St.	Marion	Spokane
E. 16th St.	Nehalem	Spokane
E. 20th St.	Hawthorne	Sandy
E. 30th St.	Ainsworth	Holman
E. 68th St., et al.		
E. 70th St.	Siskiyou	Sandy
E. 72nd St.	Alder	Stark
E. 73rd	Alder	Stark
Totals—1920		
1921—		
E. Alder St.	E. 27th St.	E. 28th St.
Cora Ave.	E. 9th St.	Milwaukie
E. Davis St.	E. 45th St.	E. 47th St.
Emerson St.	Delaware Ave.	Denver Ave.
Emerson St.	Interstate Ave.	Denver Ave.
Garfield Ave.	Portland Blvd.	Dekum Ave.
Grand Ave.	Beacon St.	Villa Heights Add.
E. Hoyt St.	E. 24th St.	Sandy Road Place
Kellogg St.	Catlin	N. City Boundary
Klickitat St.	E. 30th St.	E. 31st St.
Killingsworth Ave.	Union Ave.	E. 9th St.
Linn Ave.	E. 9th St.	E. 11th St.
E. Madison St.	E. 1st St.	Union Ave.
Russett St.	Vancouver	Union Ave.
E. Sherman St.	Glenn Ave.	E. 34th St.
Vista Ave.	Patton Road	Spring St.
Woodward Ave.	Grand Ave.	Milwaukie Ave.
E. 7th St.	Sherritt	Leo
E. 9th St.	Killingsworth	Ainsworth
E. 11th St.	Oak St.	Davis St.
E. 12th St.	Thompson	Brazee
E. 17th St.	Nehalem	S. City Boundary
E. 18th St.	Alberta	Emerson
E. 18th St.	Alberta	Prescott
E. 19th St.	Alberta	Killingsworth
E. 19th St.	Alberta	Prescott
E. 20th St.	Alberta	Killingsworth
E. 20th St.	Skidmore	Prescott
E. 30th St.	Siskiyou	Fremont

* Deficit.

Date Completed	Date of Expiration	Sq. Yds. of Area	Sq. Yds. of Repairs	Amount of Reserve	Cost of Repairs	Balance of Reserve
11- 1-19	11- 1-24	800	6.89	$ 40.00	$ 14.90	$ 25.10
10-29-19	10-29-24	2,514	8.37	125.70	20.25	105.45
10- 9-19	10- 9-24	1,600	1.60	80.00	3.60	76.40
8-18-19	8-18-24	3,027	10.88	151.35	25.91	125.44
		7,941	27.74	$ 397.05	$ 64.66	$ 332.39
8-25-20	8-25-25	1,410		$ 70.50		$ 70.50
8-24-20	8-24-25	4,619	2.31	230.95	$ 10.65	220.30
10-29-20	10-29-25	1,600		80.00		80.00
5-14-20	5-14-25	2,010	89.13	100.50	118.24	*17.74
9-21-20	9-21-25	2,512		125.60		125.60
9-17-20	9-17-25	6,409	21.07	320.45	49.05	271.40
4-28-20	4-28-25	6,617	24.92	330.85	56.05	274.80
10- 8-20	10- 8-25	7,052	788.57	352.60	1,002.05	*649.45
8-20-20	8-20-25	1,669	934.85	83.45	1,235.29	*1,151.84
8- 4-20	8- 4-25	31,864	138.73	1,593.20	175.55	1,417.65
11- 5-20	11- 5-25	3,784		189.20		189.20
10-27-20	10-27-25	3,257	5.37	162.85	14.50	148.35
8-27-20	8-27-25	1,231		61.55		61.55
5- 5-20	5- 5-25	2,978		148.90		148.90
8-20-20	8-20-25	6,924		346.20		346.20
8- 5-20	8- 5-25	800		40.00		40.00
7-16-20	7-16-25	18,650	24.34	932.50	33.62	898.88
8-18-20	8-18-25	3,074		153.70		153.70
5-10-20	5-10-25	490.6	3.17	24.53	7.13	17.40
8-12-20	8-12-25	2,295	8.88	114.75	18.94	95.81
10- 8-20	10- 8-25	1,014		50.70		50.70
5-10-20	5-10-25	997.8		49.89		49.89
		111,257.4	2,041.34	$ 5,562.87	$ 2,721.07	$ 2,841.80
5-26-21	5-26-26	672		$ 33.60		$ 33.60
8-13-21	8-13-26	3,647	34.20	182.35	$ 48.84	133.51
7-11-21	7-11-26	746		37.30		37.30
5- 9-21	5- 9-26	4,140	11.61	207.00	20.87	186.13
7-19-21	7-19-26	4,011		200.55		200.55
9-12-21	9-12-26	1,958		97.90		97.90
8-12-21	8-12-26	799	16.66	39.95	26.24	13.71
7- 6-21	7- 6-26	1,564		78.20		78.20
11-16-21	11-16-26	9,364	437.31	468.20	551.01	*82.81
8- 5-21	8- 5-26	644		32.20		32.20
7-30-21	7-30-26	5,626		281.30		281.30
5-21-21	5-21-26	1,607		80.35		80.35
7-10-21	7-10-26	3,374	91.99	168.70	130.35	38.35
8-10-21	8-10-26	4,601		230.05		230.05
8- 6-21	8- 6-26	1,377		68.85		68.85
5-16-21	5-16-26	5,930		296.50		296.50
10- 6-21	10- 6-26	4,841	45.40	242.05	68.75	173.30
6-27-21	6-27-26	8,093	580.14	404.65	536.30	*131.65
7-27-21	7-27-26	4,922		246.10		246.10
10- 6-21	10- 6-26	5,875	10.55	293.75	21.06	272.69
9-23-21	9-23-26	1,556		77.80		77.80
9-14-21	9-14-26	2,442	545.12	122.10	974.01	*851.91
4-16-21	4-16-26	2,934	3.23	146.70	11.69	135.01
9- 7-21	9- 7-26	4,436		221.80		221.80
9-10-21	9-10-26	4,411		220.55		220.55
9-27-21	9-27-26	4,417	636.55	220.85	607.42	*386.57
10- 3-21	10- 3-26	4,395		219.75		219.75
9-10-21	9-10-26	1,155	17.67	57.75	28.00	29.75
8- 5-21	8- 5-26	3,296		164.80		164.80

ALLOCATION OF RESERVE FOR MAINTENANCE OF NEW IMPROVEMENTS, FISCAL YEAR 1927—Continued

Street	Limits	
	From	To
1921—Continned		
33rd Ave., S. E.	E. 50th St.	E. 49th St.
34th Ave., S. E., et al		
E. 35th St.	Schuyler	Tillamook
E. 39th St.	Henry Ave.	Woodstock Ave.
E. 39th St.	Woodstock Ave.	Francis Ave.
E. 47th St.	Stark	Glisan
E. 55th St., et al.		
E. 56th St., et al.		
E. 67th St.	44th Ave.	43rd Ave., S. E.
E. 71st St.	Foster Road	45th Ave.
E. 72nd St.	Foster Road	45th Ave.
Totals—1921		
1922—		
Emerson St. and	E. 8th St.	
Fremont St.	Vancouver Ave.	Williams Ave.
Foster Road	E. 72nd	E. 82nd St.
Halsey St.	E. 3rd St.	Union Ave.
E. Harrison	E. 11th St.	E. 12th St.
Henry Ave.	Eastmoreland	Cleveland Ave.
E. Stark St.	E. 28th St.	E. 41st St.
E. 6th St.	Going St.	Webster St.
E. 7th St.	Rhone to	Haig
E. 7th St.	Schuyler to	San Rafael St.
E. 14th St.	Ankeny	Burnside St.
E. 21st St.	Prescott	Crane St.
E. 22nd St.	Burnside	Couch St.
E. 26th St. and	27th St., et al.	
E. 27th St.	Cora Ave.	Francis Ave.
E. 35th St.	Hawthorne Ave.	Belmont St.
E. 39th St.	Woodward Ave.	Division St.
E. 47th St.	Belmont St.	Yamhill St.
E. 50th St.	B. 3, Lt. 23, R. C. P.	B. 2, Lt. 22, R. C. P.
Totals—1922		
1923—		
Beech St.	14th St.	Dixon Place
Cherry and Weidler	Crosby St.	Union Ave.
Emerson St.	E. 30th St.	E. 31st St.
Elk Point	Terwilliger Blvd.	
**Hoyt St.	11th St.	6th St.
Jersey St.	Baltimore	Catlin St.
Jersey St., et al.	Catlin St.	Viaduct
Killingsworth Ave.	Intersection	16th St.
Roselawn Ave.	9th St.	Concord Heights
Union Ave.	Belmont	Hawthorne
E. 9th St.	Sumner	Killingsworth
17th St.	Jefferson	100 ft. North
E. 21st St.	Alberta	Killingsworth
E. 22nd St.	Sumner	Killingsworth
E. 23rd St.	Alameda Park	Prescott
E. 24th St.	Alberta	Killingsworth
E. 27th St.	Schuyler	Hancock
E. 30th St.	Holgate	Long Ave.
E. 32nd St.	Prescott	Wygant
32nd and 33rd Ave.	50th to 51st St. and	Creston to 49th St., S. E.
E. 40th St.	Francis Ave.	385 ft. North
E. 43rd St.	52nd Ave. District	
E. 52nd St.	Multnomah	Oregon St.
E. 56th St.	Tillamook	Thompson
E. 68th St.	Davis	Glisan

* Deficit.
** Includes Special Reserve.

Date Completed	Date of Expiration	Sq. Yds. of Area	Sq. Yds. of Repairs	Amount of Reserve	Cost of Repairs	Balance of Reserve
8-23-21	8-23-26	808		$ 40.40		$ 40.40
8-25-21	8-25-26	2,442	3.33	122.10	$ 4.20	117.90
8- 3-21	8- 3-26	987		49.35		49.35
7- 5-21	7- 5-26	2,093	30.29	104.65	38.72	65.93
9- 2-21	9- 2-26	14,047	5,007.79	702.35	5,419.63	*4,717.28
7-15-21	7-15-26	8,894	1,028.24	444.70	1,313.15	*868.45
8- 5-21	8- 5-26	6,932	2.82	346.60	10.30	336.30
9-17-21	9-17-26	2,176		108.80		108.80
5-23-21	5-23-26	444		22.20		22.20
5-26-21	5-26-26	3,635		181.75		181.75
7- 1-21	7- 1-26	5,945	4.00	297.25	12.78	284.47
		151,236.00	8,506.90	$ 7,561.80	$ 9,823.32	$ *2,261.52
9- 1-22	9- 1-27	4,023		$ 201.15		$ 201.15
5- 5-22	5- 5-27	1,125		56.25		56.25
4-10-22	4-10-27	5,882	36.42	294.10	$ 46.55	247.55
5- 5-22	5- 5-27	800		40.00		40.00
4-20-22	4-20-27	800		40.00		40.00
8-28-22	8-28-27	516.8		25.84		25.84
9-13-22	9-13-27	17,830	5.29	891.50	13.71	877.79
9- 1-22	9- 1-27	4,122		206.10		206.10
9-30-22	9-30-27	3,117	2.00	155.85	7.76	148.09
7-26-22	7-26-27	1,359		67.95		67.95
5-18-22	5-18-27	800		40.00		40.00
7- 8-22	7- 8-27	2,087		104.35		104.35
3-31-22	3-31-27	788		39.40		39.40
8- 1-22	8- 1-27	2,732		136.60		136.60
8- 5-22	8- 5-27	3,481		174.05		174.05
4-27-22	4-27-27	4,697	10.66	234.85	13.44	221.41
5- 4-22	5- 4-27	3,351	119.56	167.55	156.88	10.67
4-28-22	4-28-22	494		24.70		24.70
9-16-22	9-16-27	282		14.10		14.10
		58,286.8	173.93	$ 2,914.34	$ 238.34	$ 2,676.00
7-11-23	7-11-28	553		$ 27.65		$ 27.65
12- 5-23	12- 5-28	6,622		331.10		331.10
9-22-23	9-22-28	885		44.25		44.25
11-19-23	11-19-28	2,830		141.50		141.50
7-31-23	7-31-28	5,248	2,303.73	577.28	$ 2,659.80	*2,082.52
8-29-23	8-29-28	5,835	36.94	291.75	48.36	243.39
11-14-23	11-14-28	4,364	129.87	218.20	163.63	54.57
8-23-23	8-23-28	623		31.15		31.15
11-26-23	11-26-28	4,602		230.10		230.10
8- 9-23	8- 9-28	7,239	67.66	361.95	92.74	269.21
7-31-23	7-31-28	2,654	7.00	132.70	8.82	123.88
7-27-23	7-27-28	400	54.19	20.00	68.28	*48.28
7-24-23	7-24-28	4,395		219.75		219.75
7-30-23	7-30-28	3,037		151.85		151.85
9-28-23	9-28-28	2,052		102.60		102.60
8-13-23	8-13-28	4,409	.44	220.45	7.50	212.95
9- 8-23	9- 8-28	658		32.90		32.90
8-30-23	8-30-28	1,464		73.20		73.20
9-21-23	9-21-28	2,557		127.85		127.85
8-23-23	8-23-28	2,727	43.00	136.35	54.18	82.17
8-23-23	8-23-28	1,378		68.90		68.90
9-13-23	9-13-28	4,509		225.45		225.45
9- 6-23	9- 6-28	3,294		164.70		164.70
9-17-23	9-17-28	1,098		54.90		54.90
8-17-23	8-17-28	2,565		128.25		128.25

ALLOCATION OF RESERVE FOR MAINTENANCE OF NEW IMPROVEMENTS, FISCAL YEAR 1927—Continued

Street	Limits	
	From	To
1923—Continued		
E. 70th St.	Jonesmore	Glisan
E. 76th St.	Base Line Road	Ash St.
E. 81st St.	Base Line Road	Ankeny
Totals—1923		
1924—		
Cherry and Weidler	Crosby	Union Ave.
Failing St.	E. 14th St.	Dixon Place
Flanders St.	First St.	Twelfth St.
Glisan St.	Front	Third
E. Harrison St.	7th	11th
E. Harrison St.	Glenn Ave.	34th St.
E. Harrison St.	E. 34th	E. 39th
E. Hoyt St.	E. 53rd	E. 57th
Klickitat St.	E. 24th	E. 30th
Larch St.	Spruce	Harrison
Minnesota Ave.	Killingsworth	Ainsworth
Minnesota Ave.	Alberta	Emerson
Missouri Ave.	Alberta	Sumner
Rhone St.	Milwaukie	E. 17th
E. Shermau St.	20th	24th
E. Sherman St.	Kenilworth	30th
E. Sumner	Denver	Interstate
Vancouver Ave.	Ivy St., et al	
E. 11th St.	Thompson	Brazee
E. 13th St., et al.	Stark	Burnside
E. 13th St.	Wygant	Humboldt
E. 18th St.	Ankeny	Everett
E. 25th St.	Fremont	Siskiyou
E. 26th St.	Fremont	Gleneyrie
E. 28th St.	Harrison	Stephens
E. 32nd St.	Knott St.	Charleston's Add.
E. 36th St.	U. S. Grant	H. S. Addition
E. 37th St.	Hawthorne	Belmont
E. 40th St.	Holgate	Schiller
E. 44th St.	Taylor	Yamhill
E. 74th St.	Everett	Oregon
E. 33rd St. Bridge	Broadway	Clackamas
Totals—1924		
Specials—		
Bridge Approaches, Hawthorne,	Steel and Morrison Bridges	
Flander St.	1st St.	12th St.
Boise St.	E. 8th St.	Milwaukie Ave.
1925—		
E. 55th St.	Siskiyou	Klickitat
Boise St.	E. 8th St.	Milwaukie Ave.
Concord St.	Killingsworth	Simpson
Concord St.	Willamette Blvd.	Killingsworth
Congress St.	Prescott	Blandena
Cook Ave.	Gantenbein	Commercial
Delaware Ave.	Killingsworth	Ainsworth
Elliott Ave.	Division	Hawthorne
E. Everett St.	E. 52nd	E. 55th
W. ½ Flint St.	Hancock	W. end of Pavement
Fremont St.	Williams Ave.	E. 8th St.
Glenn Ave.	Hawthorne	Salmon
Glenn Ave.	Prescott	Alberta
E. Grant St.	E. 26th St.	105 ft. West
Hazel St.	Locust	Poplar

* Deficit.

Date Completed	Date of Expiration	Sq. Yds. of Area	Sq. Yds. of Repairs	Amount of Reserve	Cost of Repairs	Balance of Reserve
8–16–23	8–16–28	1,350		$ 67.50		$ 67.50
8–20–23	8–20–28	3,070		153.50		153.50
8–21–23	8–21–28	3,863		193.15		193.15
		84,281.0	2,642.83	$ 4,528.93	$ 3,103.31	$ 1,425.62
12– 5–23	12– 5–28	3,708		$ 185.40		$ 185.40
8–27–24	8–27–29	593		29.65		29.65
3–15–24	3–15–29	6,144		307.20		307.20
6–14–24	6–14–29	1,750	74.75	87.50	$ 98.07	*10.57
4–26–24	4–26–29	4,220		211.00		211.00
4– 8–24	4– 8–29	1,300	88.77	65.00	83.05	*18.05
5–12–24	5–12–29	6,802		340.10		340.10
5–10–24	5–10–29	3,280		164.00		164.00
7– 2–24	7– 2–29	5,331	197.78	266.55	249.20	17.35
4–28–24	4–28–29	1,076		53.80		53.80
6– 2–24	6– 2–29	3,947		197.35		197.35
5–26–24	5–26–24	3,084		154.20		154.20
6– 3–24	6– 3–29	2,290		114.50		114.50
7–19–24	7–19–29	5,261	53.82	263.05	77.74	185.31
5–19–24	5–19–29	7,347		367.35		367.35
4–29–24	4–29–29	1,433		71.65		71.65
5–23–24	5–23–29	5,086		254.30		254.30
4–11–24	4–11–29	2,420		121.00		121.00
4–16–24	4–16–29	1,556		77.80		77.80
7–30–24	7–30–29	45,652		2,282.60		2,282.60
5– 2–24	5– 2–29	1,373		68.65		68.65
4–24–24	4–24–29	4,577	21.22	228.85	40.49	188.36
6–24–24	6–24–29	3,932	22.52	196.60	28.38	168.22
6–26–	6–26–	3,930	152.56	196.50	210.33	*13.83
5– 7–24	5– 7–29	1,224		61.20		61.20
9–20–24	9–20–29	1,044	47.42	52.20	59.75	7.55
9– 6–24	9– 6–29	13,256	42.44	662.80	53.72	609.08
5–20–24	5–20–29	5,119		255.95		255.95
6–23–24	6–23–29	2,497		124.85		124.85
4–23–24	4–23–29	533		26.65		26.65
4–18–24	4–18–29	3,910		195.50		195.50
3–18–24	3–18–29	384		19.20		19.20
		154,059.0	701.28	$ 7,702.95	$ 900.73	$ 6,802.22
Jan.–May 24	Jan.–May 29	3,500.0	243.19	$ 455.00	$ 455.84	$ *.84
3–15–24	3–15–29	6,144.0	146.15	1,536.00	217.96	1,318.04
9–18–25	9–18–30	1,378.0		68.90		68.90
7– 6–25	7– 6–30	1,595		$ 79.75		$ 79.75
9–18–25	9–18–30	2,686	8.00	134.30	$ 10.08	124.22
6–27–25	6–27–30	2,400	3.33	120.00	4.20	115.80
10–30–25	10–30–30	800		40.00		40.00
5–19–25	5–19–30	1,711		85.55		85.55
10– 6–25	10– 6–30	1,199		59.95		59.95
7– 2–25	7– 2–30	4,713		235.65		235.65
8– 5–25	8– 5–30	8,799	9.72	439.95	12.24	427.71
9–17–25	9–17–30	2,151		107.55		107.55
7– 8–25	7– 8–30	177		8.85		8.85
12– 9–25	12– 9–30	8,773		438.65		438.65
4–29–25	4–29–30	2,130		106.50		106.50
6–25–25	6–25–30	4,203	8.75	210.15	17.27	192.88
9–18–25	9–18–30	597		29.85		29.85
8– 3–25	8– 3–30	432		21.60		21.60

ALLOCATION OF RESERVE FOR MAINTENANCE OF NEW IMPROVEMENTS, FISCAL YEAR 1927—Continued

Street	Limits	
	From	To
1925—Continned		
E. Hoyt St	E. 31st	Block "B" Laurelhurst
Jessup St	Union Ave	E. 9th
Locust St	Lot 4, B. 23, Ladds Addn	E. 20th St
Maple St	E. 16th	Hawthorne
E. Market St	E. 34th	E. 35th
E. Mill St	E. 50th	150 ft. East
E. Oak St	Union Ave	E. 12th
Pardee St	E. 28th	Kenilworth
E. Pine St	E. 32nd	200 ft. East
Rodney Ave	Portland Blvd	Bryant
E. Salmon St	E. 44th	E. 45th
Sprnce St	E. 12th	Mulberry
Sumner St	Albina	Michigan
Snmner St	Gay to	Denver
Wasco St	E. 31st	194.45 ft. East
Weidler St	E. 28th	E. 32nd St
Wheeler St., et al	Vanconver	Broadway
E. 6th St	Clay	Hawthorne
E. 11th St	Alberta	Webster
E. 17th St	Alberta	Killingsworth
E. 24th St	Multnomah	Halsey
E. 26th St	Prescott	Alberta
E. 28th St	Alberta	Sumner
E. 29th St	Alberta	Killingsworth
E. 32nd St., et al	Siskiyou	Klickitat
E. 41st	Division	Grant
E. 53rd St	Klickitat	Siskiyou
E. 54th St	Halsey	Hancock
E. 55th St	Halsey	Tillamook
E. 72nd St	Sandy Blvd	Beech
E. 73rd St	Sandy Blvd	Failing
Totals—1925		
1926—		
Ainsworth Ave	Williams Ave	Borthwick St
The Alameda, et al	E. 35th	E. 39th
Bryant St., et al	Minnesota	Mississippi Ave
Caroline St	Virginia	Macadam St
Chnrch St	Kerby	249 ft. East
Clinton St	Marguerite	E. 36th
Fremont St	Williams Ave	E. 8th St
Madison St	Ardmore Ave	Washington Park
Oregon St	E. 20th St	E. 21st St
Overlook Blvd., et al	Interstate	Griswold Ave
South Ave., et al	Milwaukie	E. 20th
Stanton St	Williams	Union Ave
Vaughn St	26th	19th
E. 9th St	Morrison	Alder
E. 12th St	Emerson	Killingsworth
E. 28th St	Tillamook	Knott
E. 38th St	Hawthorne	Salmon
E. 53rd St	Hassalo	Halsey
E. 68th St	Sacramento	Sandy Blvd
E. 75th St	Everett	Glisan
Totals—1926		
1927—		
E. Couch St	E. 3rd St	E. 10th St
Gillette Ave	Gibbs	Pennoyer
Grover St	Gillette	Corbett

* Deficit.

Date Completed	Date of Expiration	Sq. Yds. of Area	Sq. Yds. of Repairs	Amount of Reserve	Cost of Repairs	Balance of Reserve
9-18-25	9-18-30	891		$ 44.55		$ 44.55
6-23-25	6-23-30	3,488		174.40		174.40
7-28-25	7-28-30	1,022		51.10		51.10
9-11-25	9-11-30	2,532	4.00	126.60	$ 5.04	121.56
10-13-25	10-13-30	589		29.45		29.45
8- 4-25	8- 4-30	450		22.50		22.50
8- 1-25	8- 1-30	8,044	7.15	402.20	16.44	385.76
10-22-25	10-22-30	928		46.40		46.40
10-21-25	10-21-30	613		30.65		30.65
10- 3-25	10- 3-30	3,874		193.70		193.70
8-19-25	8-19-30	833		41.65		41.65
6- 4-25	6- 4-30	828		41.40		41.40
5-18-25	5-18-30	1,872		93.60		93.60
5-11-25	5-11-30	2,400		120.00		120.00
6-18-25	6-18-30	630		31.50		31.50
5-16-25	5-16-30	2,999		149.95		149.95
7- 8-25	7- 8-30	1,989		99.45		99.45
7- 9-25	7- 9-30	780		39.00		39.00
5-19-25	5-19-30	925		46.25		46.25
6- 2-25	6- 2-30	4,389		219.45		219.45
5-15-25	5-15-30	2,310		115.50		115.50
6-16-25	6-16-30	4,382		219.10		219.10
6-12-25	6-12-30	1,358		67.90		67.90
6-17-25	6-17-30	3,907		195.35		195.35
9-26-25	9-26-30	2,313	17.11	115.65	21.56	94.09
4-30-25	4-30-30	2,392		119.60		119.60
7- 7-25	7- 7-30	1,355		67.75		67.75
4-17-25	4-17-30	2,989	22.13	149.45	34.63	114.82
4-17-25	4-17-30	4,060		203.00		203.00
5- 1-25	5- 1-30	2,784	72.00	139.20	90.72	48.48
5- 4-25	5- 4-30	2,670	36.00	133.50	45.36	88.14
		112,962	188.19	$ 5,648.10	$ 257.54	$ 5,390.56
8-11-26	8-11-31	3,530	44.22	$ 176.50	$ 55.72	$ 120.78
8-21-26	8-21-31	17,656		882.80	27.74	855.06
10-20-26	10-20-31	5,281		264.05		264.05
7-28-26	7-28-31	827		41.35		41.35
6-10-26	6-10-31	997		49.85		49.85
7-16-26	7-16-31	1,119		55.95		55.95
12- 9-25	12- 9-30	174		8.70		8.70
4- 7-26	4- 7-31	1,065		53.25		53.25
6- 4-26	6- 4-31	667		33.35		33.35
10- 5-26	10- 5-31	50,316		2,515.80		2,515.80
6- 9-26	6- 9-31	**812		236.25		236.25
		3,913		258.85		258.85
9-30-26	9-30-31	5,177		701.85	30.13	671.72
6-29-26	6-29-31	14,037	23.91	41.00		41.00
3-24-26	3-24-31	820		38.55		38.55
7-30-26	7-30-31	771		306.80		306.80
8-11-26	8-11-31	6,136		129.10		129.10
8-12-26	8-12-31	2,582		192.95		192.95
10-23-26	10-23-31	3,859		232.95		232.95
5-13-26	5-13-31	4,659		111.50		111.50
6- 5-26	6- 5-31	2,230				
		126,628.0	68.13	$ 6,331.40	$ 113.59	$ 6,217.81
12-27-27	12-27-32	5,543		$ 277.15		$ 277.15
10-19-27	10-19-32	3,403		170.15		170.15
5-17-27	5-17-32	2,032	114.07	101.60	$ 143.74	*42.14

ALLOCATION OF RESERVE FOR MAINTENANCE OF NEW IMPROVEMENTS, FISCAL YEAR 1927—Continued

Street	Limits	
	From	To
1927—Continued		
Halsey St.	E. 24th	E. 28th
E. Irving St.	Sandy Blvd.	E. 18th
E. 14th St.	Belmont	E. Stark
E. 16th St.	Marion	Linn
17th St.	Market	Taylor
E. 21st St.	Yukon	Reedway
41st St., S. E.	Woodstock	45th Ave., S. E.
Totals—1927		

** Concrete.

	Sq. Yds. of Area	Sq. Yds. Repairs
Recapitulation of Years—		
Year—1919	7,941.00	27.74
1920	11,125.74	2,041.34
1921	151,236.00	8,155.45
1922	58,286.80	173.93
1923	84,281.00	2,642.83
1924	154,059.00	701.28
Bridge Approaches—Special	3,500.00	243.19
Flanders Street—Special	6,144.00	146.15
Boise Street—Special	1,378.00	
Year—1925	112,962.00	188.19
1926	126,628.00	68.13
1927	46,368.00	129.17
Totals	763,909.54	14,517.40

* Deficit.

Date Completed	Date of Expiration	Sq. Yds. of Area	Sq. Yds. of Repairs	Amount of Reserve	Cost of Repairs	Balance of Reserve
6- 7-27	6- 7-32	2,628		$ 131.40		$ 131.40
10-19-27	10-19-32	4,257		212.85		212.85
8-24-27	8-24-32	3,778		188.90		188.90
10- 5-27	10- 5-32	648		32.40		32.40
10-19-27	10-19-32	**106 6,791		344.85		344.85
9- 7-27	9- 7-32	2,685		134.25		134.25
10-26-27	10-26-32	14,063 **434	15.10	724.85	$ 19.03	705.82
		46,368.0	129.17	$ 2,318.40	$ 162.77	$ 2,155.63

Amount of Reserve	Cost of Repairs	Balance of Reserve	Reserves		
			Expired	Special	Ordinary
$ 397.05	$ 64.66	$ 332.39	$ 332.39		
5,562.87	2,721.07	2,841.80	2,841.80		
7,561.80	9,702.76	*2,140.96	*2,140.96		
2,914.24	238.34	2,676.00	2,676.00		
4,528.93	3,103.31	1,425.62			$ 1,425.62
7,702.25	900.73	6,802.22			6,802.22
455.00	455.84	*.84			*.84
1,536.00	217.96	1,318.04		$ 1,318.04	
68.90		68.90		68.90	
5,648.10	257.54	5,390.56			5,390.56
6,331.40	113.59	6,217.81			6,217.81
2,318.40	162.77	2,155.63			2,155.63
$ 45,025.74	$ 17,938.57	$ 27,087.17	$ 3,709.23	$ 1,386.94	$ 21,991.00

STATEMENT SHOWING (1) EARNINGS FOR GENERAL FUND FROM 10% SURCHARGE. (2) TRANSFER TO GENERAL FUND IN CASH FROM PAVING PLANT EARNINGS. (3) RECAPITULATION.

1. Earnings for General Fund of City from 10% Surcharge on Asphaltic Concrete Top—		
Fiscal Year 1919	$ 538.19	
1920	11,702.20	
1921	16,227.22	
1922	6,800.32	
1923	8,939.93	
1924	13,914.39	
1925	9,563.92	
1926	9,275.87	
1927	3,900.46	
Total earnings from 10% surcharge		$ 80,862.50
Status of Collections of 10% Earnings—		
Amount paid to General Fund in cash	$ 76,463.58	
Amount due from new improvement warrants in hands of City Auditor	3,499.38	
Amount due from accounts receivable	899.54	
Total earnings		$ 80,862.50
2. Transfers to General Fund in Cash from Paving Plant Earnings—		
Fiscal Year 1922	$ 5,200.00	
1923	10,000.00	
1924	25,000.00	
1925	25,000.00	
1926	30,000.00	
1927	40,000.00	
Total paid in cash from paving plant earnings to General Fund by ordinances		$135,200.00
3. Recapitulation—		
Earnings for General Fund 10% surcharge	$ 80,862.50	
Cash transfers to General Fund from Paving Plant Earnings	135,200.00	
Total amount of earnings and transfers to General Fund		$216,062.50

COMPARISON OF PRIVATE CONTRACTORS' LOWEST BIDS AND MUNICIPAL PAVING PLANT COST, ON ALL MUNICIPAL PAVING PLANT PAVING CONTRACTS, 1920 TO 1927 INCLUSIVE.

The schedule which follows shows the number of square yards of pavement laid by the Municipal Paving Plant each year for the eight years from 1920 to 1927 inclusive. It also shows the total amount of private contractors' lowest bids on the same work. The bids of private contractors were adjusted to the final estimate of the City Engineer for each contract. Therefore the amounts shown as private contractors' lowest bids are the amounts which would have been received by the private contractors had the work been awarded to them, instead of to the low bidder, the Municipal Paving Plant. In the third column is shown the actual cost of the work, as performed by the Municipal Paving Plant, plus ten per cent of the cost of top, a surcharge which is added to the Municipal Paving Plant cost and which is paid into the General Fund of the City. This extra ten per cent charge is added only to Municipal Paving Plant costs, and not to private contractors' contracts.

The difference between the private contractors' lowest bids, as adjusted to the final estimate and the cost (plus ten per cent of top), of the work as performed by the Municipal Paving Plant, is shown in column four. In the fifth and sixth columns are shown the average bids of private contractors, per square yard of asphaltic concrete top and base and the average unit cost of the same work by the Municipal Paving Plant. These unit figures are for top and base only, and do not include other miscellaneous paving jobs, such as redress, bituminous base, etc.

The chart on following page shows graphically the average bids per square yard of all contractors, including the Municipal Paving Plant for the years 1920 to 1927 inclusive, and also the market price of materials, labor and service plus overhead at 15 cents per square yard from year 1920 to 1925 inclusive and 12 cents per square yard for the year 1926 and 1927, also plus the surcharge of 10 per cent of cost of top.

Fiscal Year	Sq. Yds. Top, Base Redress	Private Contractor's Lowest Bids	Municipal Paving Plant Cost	Saving to Property Owners	Asph. Concrete 2" Top with 4" Crushed Rock Base	
					Contractor's Bid per Sq. Yd.	M.P.P. Cost per Sq. Yd.
1920	111,257.4	$ 245,852.67	$ 196,380.90	$ 49,471.77	$ 2.27	$ 1.49
1921	151,236.0	435,476.89	340,144.29	95,332.60	2.20	1.59
1922	58,286.8	91,212.94	82,698.48	8,514.46	1.82	1.39
1923	84,281.0	159,258.68	141,320.97	17,937.71	1.86	1.45
1924	154,059.0	308,309.61	261,874.48	46,435.13	1.68	1.33
1925	112,962.0	195,344.07	173,941.47	21,402.60	1.53	1.39
1926	125,816.0	177,434.20	159,781.11	17,653.09	1.41	1.25
1927	45,828.0	107,772.02	92,984.61	14,787.41	1.41	1.24
8 Years	843,726.2	$1,720,661.08	$1,449,126.31	$ 271,534.77		

TABLE "A"

RECAPITULATION—MAINTENANCE REPAIRS ON PAVEMENTS UNDER MAINTENANCE BY THE CITY OF PORTLAND, FISCAL YEAR 1927

Type of Pavement		Total Sq. Yds. Under Maintenance by City	Sq. Yds. in Improvements Requiring Maintenance		Sq. Yds. of Repairs	
Top	Base		1927	1918-1927, inc.	1927	1918-1927, inc.
Sheet Asphalt	Concrete	1,856,068.9	1,080,233.4	1,488,863.5	22,163.21	93,911.13
Bitulithic	Crushed Rock	2,388,285.5	1,227,712.8	1,947,101.6	18,064.58	131,530.78
Bitulithic	Bituminous	710,069.0	326,829.0	553,943.2	2,947.66	14,185.69
Bitulithic	Concrete	17,857.0	17,057.0	17,857.0	6.15	100.25
Asphaltic Concrete	Crushed Rock	295,126.4	124,755.0	241,512.9	1,651.60	6,078.32
Asphaltic Concrete	Bitumiuous	79,881.0	19,874.0	54,327.0	43.44	283.43
Asphaltic Concrete	Concrete	92,726.6	28,040.0	52,246.1	92.50	610.66
Asph. Conc. No. 1.	Crushed Rock	596,072.9	181,154.4	233,674.2	5,385.20	7,745.09
Concrete and Hassam		1,964,083.3	618,870.2	1,151,913.2	3,213.12	19,566.96
*Stone Block		233,055.4	61,081.0	136,852.2	715.01	6,121.39
Wood Block		28,696.0	26,010.0	28,535.0	687.23	4,404.02
Totals and Averages		8,261,922.0	3,711,616.8	5,906,825.9	54,969.70	284,537.72

* Vitrified Brick included.

Cost of Maintenance		Cost per Sq. Yd. of Repairs		Cost per Sq. Yd. in Improvements Requiring Maintenance		Cost per Sq. Yd. of Pavement Under Maintenance	
1927	1918-1927, inc.	1927	1918-1927, inc.	1927	1918-1927, inc.	1927	1918-1927, inc.
$ 33,987.48	$ 147,289.47	$ 1.534	$ 1.568	$ .0314	$ .0989	$ .0183	$ .0794
25,328.36	186,379.38	1.402	1.417	.0206	.0957	.0106	.0780
4,290.07	20,955.45	1.455	1.477	.0131	.0378	.0060	.0295
34.37	207.07	5.590	2.066	.0020	.0116	.0019	.0116
2,495.85	10,012.08	1.511	1.665	.0200	.0419	.0085	.0339
89.06	584.80	2.050	2.063	.0045	.0108	.0011	.0073
202.16	1,123.57	2.186	1.840	.0072	.0215	.0022	.0121
7,675.50	10,925.86	1.425	1.411	.0424	.0458	.0129	.0183
8,406.04	38,983.69	2.616	1.952	.0136	.0338	.0043	.0198
1,254.24	10,703.15	1.754	1.748	.0205	.0782	.0054	.0459
1,794.49	12,136.39	2.611	2.756	.0690	.4253	.0625	.4229
$ 85,457.62	$ 439,300.91	$ 1.555	$ 1.544	$ .0230	$ .0744	$ .0103	$ .0532

COST KEEPING DIVISION

ANNUAL REPORT OF COST KEEPING DIVISION, DEPARTMENT OF PUBLIC WORKS, TO A. L. BARBUR, COMMISSIONER.

The Cost Keeping Division of the Commissioner's office submits herewith as its contribution to the Annual Report, a resume of the activities of the various bureaus of the Department of Public Works during the fiscal year 1927.

This report is presented as viewed from the cost-keeping standpoint, and embraces the closely related subject of the finances of the department as well.

Through the means of analytical comments, an endeavor is made to explain the various tables that follow, as well as to point out items of special interest as they appear.

APPROPRIATIONS—Table No. 1

This table shows the net expenditures made from the regular and special appropriations during 1927, with the small cancellations which reverted to the General Fund:

Summary

Regular appropriations	$398,494.04
Special appropriations	192,186.79
Total net appropriations expended	$590,680.83

COMPARISON OF EXPENDITURES—Table No. 2

The increase of $21,383.85 in regular appropriations over 1926 is due to the fact that $10,604.19 was expended for equipment in excess of the 1926 expenditures and that all equipment purchased for the Engineering Rotary heretofore has not been budgeted, as it required no tax levy funds. This change in procedure caused an increase of about $3000.

The thought is offered that since these items, largely automotive equipment, occur about every three years, that if a rotary account for equipment were created and funded by appropriations each year to the extent of the depreciation, these peak years would be prevented and the expenditures each year would be increased only by the natural growth of the department.

The increase in special appropriations of $29,381.34 is due mainly to the street widening and special bridge programs, with the instituting of a program for reconstruction of dangerous sidewalk corners, carrying an annual appropriation of $5000.

EARNINGS DEPARTMENT OF PUBLIC WORKS—Table No. 3

This tabulation shows the receipts to the various bureaus, exclusive of moneys received from the tax levy that has been used in financing the work of the department or turned directly into the general fund during the fiscal year.

This indicates that of the total amount received, 27.29 per cent was from other sources than the tax levy and that had all receipts been credited direct to departmental appropriations, the department would have been 42.98 per cent self-supporting.

These receipts were less by $2960.09 than they were in 1926, or a reduction of 15 per cent.

SOURCE OF RECEIPTS

	Total	Direct to Gen. Fund	Direct to Appropriat'n
Credits	$337,414.01	$143,148.43	$194,265.58
Transfer from Paving Rotary to Maint. H. S.	.....	−20,000.00	+20,000.00
Net Balance Receipts	.....	$123,148.43	$214,265.58
Reg. Budget App'ns Expd.	$398,494.04		
Spl. Budget App'ns Expd.	192,186.79		
Total Budget App'ns Expd.	$590,680.83		
Less Transfer	$ 20,000.00		
Total Receipts from Levy	.....	.....	$570,680.83
Net Receipts to Gen'l Fund.	.....	$123,148.43	
Net Total Receipts Public Works	.....	.....	$784,946.41

EMPLOYES—Table No. 4

During the year there was an average staff of 344 employes, this being the same average which held during the year preceding. Temporary and part-time employes are those who were hired for short periods of time through temporary appointment.

COST DISTRIBUTION AND RECONCILIATION, BUREAU OF MAINTENANCE—Table No. 5

This statement consists of two related factors—operating costs, and expense and appropriations.

Operating costs includes expenses that outlive fiscal year appropriations, which are distributed in general fund charges over a period of years, the original purchase price being deducted from the current year's appropriation.

Thus a reconciliation is arrived at between costs and appropriations to test the adequacy of costs charged into the varied activities of the Bureau of Maintenance throughout the year.

SUMMARY OF JOBS COST—Tables Nos. 6, 7, 8

This table shows the accummulated year's cost covering the regular maintenance work of the Bureau of Maintenance, with production and unit costs.

The other activities of the Bureau are shown in Table No. 7, of which the following observations may be of interest.

MACADAM STREET MAINTENANCE

Summarized, the total cost of this class of work for the year amounted to $40,615.59. This includes reshaping, oiling and repairs to streets previously reshaped.

Repairs to reshaped streets assumed the proportions of a program the last two years, in order to conserve the good work accomplished during the reshaping program activities of the three years preceding. Under this program, where certain portions of a street go bad, these sections alone are repaired with asphalt, thus preventing the deterioration of the whole street.

To the regular reshaping program has been added 133,857 square yards of new streets during the year. These consist mostly of dirt streets in the outlying districts.

Under the oiling program, 664,668 square yards were oiled during 1927.

SIDEWALK CONSTRUCTION AND REPAIR

As was done during 1926, the plan of billing property owners for sidewalk work was followed during 1927. If not paid within a reasonable period the property was liened for the cost.

This plan is apparently satisfactory to the property owners because of the total costs incurred of $10,009.51, only the amount of $4786.16 was sent through for assessment during the year. Thus there is now a quicker return to the Sidewalk Rotary Account of working capital withdrawn. It is worthy of note that of $5744.36 billed directly to property owners, only $521.01 was unpaid within 90 days and therefore assessed.

ROLLING DITCHES FOR CONTRACTORS

The costs of $2643.55 were amply covered by cash deposits required before the work was undertaken, and before the contractor could secure the close on his job.

This work required 60 days' time of a roller crew, or 19 per cent of one year's crew time.

GRAVEL SCREENINGS

The Bureau is now securing its screening from a pit located at East Eighty-eighth and Hassalo, the pit at East Thirty-seventh and Wisteria having been abandoned late in the year due to encroachment of residential improvements.

During the past five years 22,162 yards of this material has been produced at a cost of $11,077.76, or 50 cents per yard. The labor of the regular crews was utilized in getting out this material.

COST OF FISCAL YEAR IMPROVEMENTS—Table No. 9

The engineering cost on street improvements was decreased from 7.15 per cent for 1926 to 6.49 for 1927, based on approximately the same monetary program. This decrease was due, mainly, to the number of large contracts that made up the program.

The engineering cost on sewer construction shows a slight increase from 7.59 per cent for 1926 to 7.78 for 1927, with a reduced program.

LOSS TO ENGINEERING ROTARY—Table No. 10

This tabulation shows a net loss of $37,240.76, based on the program accepted by the Council during the last three years. In addition Rotary has stood a loss of $3781.95 on improvements completed under permit proceedings. The loss incurred by discontinued improvements amounts to $4642.14. The amount of loss due to this last cause can not be anticipated nor controlled. The accumulative engineering percentage has been reduced from 7.15 per cent as of November 30, 1926 to 6.88 per cent for November 30, 1927. No graphs are submitted this year, the retrogression being gradual and steady.

CONSTRUCTION BUREAU ROUTINE—Table No. 11

This gives the accumulative routine costs for the Bureau of Construction during 1927. The credit column indicates the amount originally charged into Routine and subsequently charged to Engineering Rotary or Special Appropriations.

The costs on special appropriations for the Bureau are shown on Table No. 1.

AUTOMOTIVE COST RECORD—Table No. 12

This record supplies information covering the whole history of each piece of equipment, with a detailed expense record for 1927.

Nearly all of the expensively operated light 1-ton trucks have been replaced with heavier apparatus which facilitated work in the hilly sections of the city. Due to the change in type of equipment no serious accidents have occurred to men or equipment and less time has been lost for shop repairs. Another good feature of the larger and more powerful trucks is the greater use they have given in hauling materials which reflects in lowered costs to the property owner affected.

COST TO CITY OF PRIVATELY-OWNED CARS, Table No. 13

An analysis of this tabulation shows the imperfections of a fixed rate of compensation for use of private machines as the mileage costs range from $.03 to $.11 per mile.

Reference to the operating cost of city-owned cars, Table No. — shows that for a light city-owned car used in the Electrical Division a total operating cost of $474.30 was incurred in 36 months of operation, covering 30,242 miles. This with the first cost of the machine of $400.55 completely charged off, makes a total cost of $874.85, or a cost per mile of $.032.

Therefore it is a proper conclusion that since the average cost in the Electrical Division is $.0948, that a substantial saving could be made by using city-owned cars if the present rate of compensation is maintained.

BUREAU OF BUILDINGS—Table No. 14

An accumulative table of functional costs is given herewith, also an analysis of inspection cost.

The receipts earned by this Bureau were less by $22,129.39 than in 1926.

Regular Routine—

1. 975 bills prepared
2. 89 sidewalk jobs assessed
3. 710 job numbers issued
4. 6,464 job costs computed
5. 12 monthly reports
   - (a) Bureau of Maintenance
   - (b) Bureau of Construction
   - (c) Bureau of Buildings
6. $ 4,007.32 cash deposits handled
7. $20,293.65 cash collections handled

Budget—

1. Preparation
   - (a) Programs with lists of jobs
   - (b) Supporting cost data and estimates
   - (c) Compilation of historical data
   - (d) Cost analysis on cars to be replaced
2. Presentation
   - (a) To Budget Committee
   - (b) To Council
   - (c) To Tax Supervising and Conservation Commission

REPORT OF WORK PERFORMED BY COST DIVISION

COST ACCOUNTING

With the installation of the new system of cost accounting, we take pleasure in reporting the following advantages which accrued to the Department.

No overdrafts or prior year claims.

Less than one-fifth of one per cent of regular appropriations unused and returned to General Fund.

All bureaus notified promptly of their appropriation standing and work planned in conformance therewith.

All credits made available for use as soon as earned.

Special work financed without drawing on emergency fund.

The system greatly facilitated the preparation of the 1928 budget, due to its detailed classification.

EMPLOYES—SICK AND ACCIDENT INSURANCE

This group organized in 1926 is maintaining its membership. During 1927 $2143.23 was collected in premiums and $1538.87 paid out in claims. As the entire personnel of the department is eligible to membership and the plan has worked out so satisfactorily, it is hoped that all the employes will take advantage of the opportunity to join, as a larger group would make possible a reduction in premium rates.

INSPECTION COST ANALYSIS—BUREAU OF BUILDINGS, NOVEMBER, 1927

	November			Prior Months			To Date		
	Cost	Units	Unit Cost	Cost	Units	Unit Cost	Cost	Units	Unit Cost
Building Division—									
Regular Inspections	$ 1,092.49	3,234	.337	$ 12,502.56	41,024	$.305	$ 13,595.05	44,258	$.307
Office Work	577.46	.....	.....	6,575.01	.....	.....	7,152.47	.....	.....
Special Inspections	260.27	542	.482	2,086.26	2,829	.737	2,346.53	3,371	.696
Totals	$ 1,930.22	3,776	$.511	$ 21,163.83	43,853	$.483	$ 23,094.05	47,629	$.485
Electrical Division—									
Regular Inspections	$ 1,256.52	3,561	$.353	$ 13,939.70	39,576	$.352	$ 15,196.22	43,137	$.352
Re-Inspections	41.46	180	.230	938.71	1,760	.533	980.17	1,940	.505
Dealers' Inspections	91.24	176	.519	940.99	1,816	.518	1,032.23	1,992	.518
Industrial Inspect's	77.96	90	.866	951.31	1,031	.923	1,029.27	1,121	.918
Office Work	1,029.52	.....	.....	10,810.34	.....	.....	11,839.86	.....	.....
Totals	$ 2,496.70	4,007	$.623	$ 27,581.05	44,183	$.624	$ 30,077.75	48,190	$.624
Plumbing Division—									
Regular Inspections	$ 990.13	1,717	$.576	$ 10,947.32	20,490	$.534	$ 11,937.45	22,207	$.537
Re-Inspections	125.64	329	.620	1,193.09	3,514	.340	1,318.73	3,843	.343
Office Work	557.75	.....	.....	5,385.23	.....	.....	5,942.98	.....	.....
Totals	$ 1,673.52	2,046	$.427	$ 17,525.64	24,004	$.730	$ 19,199.16	26,050	$.737

COST OF PRIVATELY OWNED CARS, FISCAL YEAR 1927

Name	Miles	Cost	Average per Mile
Building Division—			
Mr. Arnold	3,438	$ 398.98	$ .1161
Mr. Benard	3,655	397.52	.1088
Mr. Dunlap	3,755	379.57	.1011
Mr. Plummer	2,353	216.44	.0611
Mr. Raines	2,709	201.57	.0744
Mr. Spence	5,722	389.16	.0680
Mr. Starr	4,010	383.92	.0957
Mr. Thornton	1,888	166.81	.0884
Mr. Trout	4,808	393.78	.0819
Mr. Wells	4,072	392.87	.0965
Mr. Whiteman	4,732	411.82	.0870
Totals	41,142	$ 3,732.44	$ .0907
Electrical Division—			
Mr. Caine	3,388	$ 377.71	$ .1115
Mr. Gray	4,108	394.02	.0959
Mr. Going	2,681	260.14	.0970
Mr. Jamieson	5,184	399.83	.0771
Mr. Lyman	4,717	394.13	.0836
Mr. McLean	3,326	372.97	.1121
Mr. McMillen	3,713	296.99	.0800
Mr. Oster	1,226	86.80	.0708
Mr. Roberts	2,590	376.05	.1452
Mr. Russell	4,146	364.16	.0878
Mr. Sturges	4,195	401.12	.0956
Totals	39,274	$ 3,723.92	$ .0948
Plumbing Division—			
Mr. Eyeman	5,746	$ 399.16	$ .0695
Mr. Finnigan	5,998	400.56	.0668
Mr. Kaye	6,409	406.73	.0635
Mr. Lind	5,629	394.50	.0701
Mr. Muirhead	4,985	390.08	.0783
Mr. Overstreet	5,052	399.88	.0792
Mr. Otterstedt	3,671	259.42	.0707
Mr. Wackrow	1,321	78.08	.0591
Totals	38,811	$ 2,728.41	$ .0703
Construction Bureau—			
Mr. Berven	1,167	$ 70.00	$ .0600
Mr. Fowler	2,308	180.00	.0780
Mr. Regan	2,378	180.00	.0757
Mr. Smith	13,064	420.00	.0321
Mr. Wikander	733	70.00	.0955
Totals	19,650	$ 920.00	$ .0468
Maintenance Bureau—			
Mr. Shannon	10,994	$ 582.00	$ .0529

BUREAU OF MAINTENANCE—MAINTENANCE OFFICE FISCAL YEAR 1927

	No. of Permits	Receipts
Permits Division—		
Sewer Permits	2,960	$ 1,480.00
Portland Gas & Coke Co.—H. S.	1,613	806.50
Portland Gas & Coke Co.—Earth	1,711	.....
Water Bureau	2,784	.....
Pacific Telephone & Telegraph Co.—Underground	62	31.00
Pacific Telephone & Telegraph Co.—Poles	1,655	.....
Northwestern Electric Co.—Underground	145	72.50
Northwestern Electric Co.—Poles	599	.....
Portland Electric Power Co.—Underground	45	22.50
Portland Electric Power Co.—Poles	1,622	.....
Bureau of Fire—Underground	2	.....
Bureau of Fire—Poles	1	.....
Western Union Telegraph Co	9	4.50
Postal Telegraph Co.—Underground	4	2.00
Postal Telegraph Co.—Poles	5	.....
Southern Pacific Ry. Co	1	.50
Portland Heating Co	2	1.00
Miscellaneous Opening Streets	2	.....
Moving Tractors	99	.....
Downspouts to Curb	3	.....
Place Gravel in Roadway	157	.....
Miscellaneous Permits—Use of Streets	53	.....
Blasting	19	.....
House Moving	40	.....
Number of Permits Paid for	(4,841)	.....
Total	13,593	$ 2,420.50

Permits Issued to Date	13,593			**General Fund Receipts**	
Cost to Date	.....	$ 5,857.95	43c	Receipts to Date	$ 2,420.50
Cost per Permit to Date	.....	.....		Receipts per Permit to Date	0.18
Complaints to Date	3,077			Net Cost to General Fund	4,723.34
Cost to Date	.....	1,285.89	42c		
Cost per Complaint to Date	.....	.....		Total	$ 7,143.84
Total	.....	$ 7,143.84			

SUMMARY

Permits	$ 7,143.84
Inspection—J. T. Shannon	3,394.00
A. P. Tedrow—G. E. Starks	4,264.14
C. F. Morehead	2,021.69
Total	$ 16,823.67

SUMMARY ENGINEERING ROTARY—ACCEPTED IMPROVEMENTS 1925, 1926, 1927

	Contract Cost	Prior Year Engineering Cost	Rotary Engineering Cost	Total Engineering Cost	6% Earned	Per-centage
Sewers, 1925-26-27	$ 1,486,027.90	$ 3,210.72	$ 117,313.62	$ 120,524.34	$ 89,161.36	8.11
Streets, 1925-26-27	5,141,301.95	17,560.07	317,869.58	335,429.65	308,781.08	6.52
Total	$ 6,627,329.85	$ 20,770.79	$ 435,183.20	$ 455,953.99	$ 397,942.44	6.88
Rotary Loss on Program			$ 37,240.76			
Total Loss on Program				$ 58,011.55		
Total			$ 397,942.44	$ 397,942.44	$ 397,942.44	
Engineering Rotary Loss on Program			$ 37,240.76			
Permits Cost $9,081.79						
Permits Receipts 5,299.84						
Loss on Permits $3,781.95			3,781.95			
Improvements Discontinued			4,642.14			
Known Loss to Engineering Rotary			$ 45,664.85			

BUREAU OF CONSTRUCTION—AUTOMOTIVE COST RECORD FISCAL YEAR 1927

	Car No.	License No.	Make	Type	Driver	Purchase Price	Date Bought	Date Sold	Price Sold	Months in Service	1927 Operating Costs: Gallons Gas	Amount	Lubrication	Tires Tubes	Repairs	Miscellaneous	Equipment	Cost for 1927	Mileage 1927	Cost per Mile	Total Costs	Total Mileage	Cost per Mile	Remarks
	W-23	E-59	Ford	Touring	Hurlburt	$ 543.00	5-23-25			30	308	$ 48.99	$ 3.95	$ 26.50	$ 66.56	$ .60	$ 3.15	$ 149.75	5,092	$ .029	$ 554.72	19,404	$ .029	425 Average monthly mileage this year.
	24	E-60-782	Chrysler	Sedan "50"	Apperson	900.63	2- 4-27			10	725	114.03	4.33	33.00	86.26			237.62	10,904	.028	237.62	10,904	.022	910 Average monthly mileage this year.
	24	E-60	Oldsmobile	Touring	Apperson	759.00	2-15-24	2- 4-27	$ 225.00	36	90	14.10	2.07	23.60	15.84	.38		55.99	1,157	.048	1,598.43	32,314	.05	Turned in.
	25	E-61	Ford	Coupe	Hannam	610.15	7-14-25			28	442	81.85	20.04	56.95	208.22	.38	3.50	370.94	8,543	.044	596.03	14,677	.046	712 Average monthly mileage this year.
	26	E-62	Overland	Touring	Hoffard	609.25	2-15-26			21	332	52.52	6.52	83.75	54.25			197.04	5,425	.036	262.50	11,080	.024	452 Average monthly mileage this year.
	27	E-63	Star	Touring, 6	Replogle	795.00	2-13-26			21	666	104.93	8.97	29.40	152.52	.76		296.58	9,737	.03	427.75	20,113	.021	812 Average monthly mileage this year.
	28	E-64	Ford	Touring	Harlow	457.37	6-26-25			29	718	112.58	11.20	50.00	170.85	1.78	26.79	373.20	10,480	.036	727.97	28,556	.026	874 Average monthly mileage this year.
	29	E-60-421	Chrysler	Touring, 4	Lindsted	984.50	2- 1-26			22	871	136.68	9.36	53.62	205.34	.76	8.40	414.16	13,113	.032	740.01	25,125	.029	1093 Average monthly mileage this year.
	30	E-10	Ford	Touring	Mitchell	469.55	2- 7-27			10	407	64.30	4.53	18.60	11.36		12.33	111.12	6,220	.018	111.12	6,220	.018	622 Average monthly mileage this year.
	30	E-65	Star	Touring	Replogle	617.00	1-18-23	2- 7-27	50.00	48	34	5.24	.30	14.05	17.70	.38		37.67	448	.084	973.69	34,462	.028	Turned in.
	31	E-31	Ford	Touring	Grondahl	469.55	2- 7-27			10	274	42.98	2.99	15.90	7.53			69.40	3,929	.018	69.40	3,929	.018	393 Average monthly mileage this year.
	32	E-12	Ford	Touring	Jackson	469.55	2- 7-27			10	270	42.24	2.84		1.74			46.82	3,978	.012	46.82	3,978	.012	398 Average monthly mileage this year.
OTHER CARS OF DEPARTMENT																								
Commissioners' Office	W-1	180-175	Flint	Touring	Shawcross	$ 1,475.00	1-19-24			46	1,448	$ 231.22	$ 15.35	$ 169.25	$ 407.92	$ 8.04	$ 10.00	$ 841.78	14,960	$ .056	$ 2,882.76	58,415	$ .05	Set of tires and overhaul this period.
Standards	2	E-49	Ford	Roadster	O. Beck	514.25	12-18-25			23	381	59.90	5.95		78.82	2.33		147.00	6,226	.024	234.47	9,700	.024	
Electrical Division	3	E-50	Ford	Roadster	Kincart	400.55	11-23-24			36	412	64.48	7.48	11.75	37.37	.76		121.84	6,731	.018	474.30	20,242	.023	
City Engineer	4	E-60-402	Studebaker	Touring	Laurgaard	1,335.00	Mar., 1925			33	728	116.57	12.88	102.05	301.52	1.14	3.00	537.16	7,438	.072	1,238.13	21,851	.057	Painted this year—3 tires.
Planning Commission		E-48	Chrysler	Sedan, 4	McClure	905.00	1-11-27			11	594	93.43	7.72		31.46	.95		133.56	10,542	.013	133.56	10,542	.013	
Planning Commission		E-48	Chevrolet	Touring	McClure	715.00	3-23-25	1-11-27	$ 107.00	21	38	5.87	.75		6.90	.38		13.90	639	.022	468.48	29,373	.016	Turned in.

BUREAU OF MAINTENANCE—AUTOMOTIVE COST RECORD FISCAL YEAR 1927

	Car No.	License No.	Make	Type	Driver	Purchase Price	Date Bought	Date Sold	Price Sold	Months in Service	1927 Operating Costs: Gallons Gas	Amount	Lubrication	Tires Tubes	Repairs	Miscellaneous	Equipment	Cost for 1927	Mileage 1927	Cost per Mile	Total Costs	Total Mileage	Cost per Mile	Remarks
Passenger Cars—	5	E-51	Oldsmobile	Touring	O. E. Stanley	$ 800.00	1-18-24			46	375	$ 58.63	$ 5.39		$ 115.61	$ .57	$ 4.20	$ 184.40	6,576	$ .028	$ 979.68	28,720	$ .034	
	6	E-52	Ford	Roadster	A. P. Tedrow	484.95	2- 8-26			22	525	82.38	9.72	$ 31.65	74.53	1.51	12.98	212.77	9,857	.022	390.04	17,750	.022	
	7	E-53	Ford	Roadster	C. Morehead	544.95	2- 8-26			22	671	105.55	10.67	35.05	55.08	2.04	12.15	220.54	10,284	.021	319.15	17,791	.018	
	8	E-54	Ford	Coupe	J. K. Carr	538.05	2- 6-25			32	475	77.64	7.73	23.50	71.45	1.51	12.45	194.28	8,156	.024	598.56	22,578	.027	
	9	E-55	Ford	Coupe	R. Hurlburt	538.05	2- 6-25			32	574	89.77	17.65	49.70	76.84	1.88	12.15	247.99	9,305	.027	616.72	26,895	.023	Set of tires this year.
	18	E-56	Ford	Roadster	B. Lacy	469.95	2- 8-26			22	782	122.95	11.64	58.25	111.98			304.82	12,234	.025	482.07	22,720	.021	Set of tires this year.
	20	E-196	Essex	Coupe	C. A. Robinson	770.00	2-28-27			9	587	91.94	8.40	16.55	18.60	13.62		149.11	8,440	.018	149.11	8,440	.018	New car.
	20	E-57	Chevrolet	Touring	C. A. Robinson	556.50	2-15-24	2-28-27	$ 125.00	36	91	14.24	1.50		15.49	.38		31.61	994	.032	652.56	28,474	.023	Turned in.
	22	E-197	Essex	Coupe	N. Reed	845.00	2-28-27			9	605	94.86	5.77	16.55	44.44		1.22	162.84	6,894	.024	162.84	6,894	.024	New car.
	22	E-58	Gray	Touring	N. Reed	500.00	1-21-24	2-28-27	50.00	37	68	10.60	.90		7.53	.74		19.77	1,177	.017	848.02	24,175	.035	Turned in.
Light Trucks—	10	E-137	Ford	1-Ton	R. Gourdoux	637.00	5-26-23	Oct., 1927		54	716	111.64	11.25	30.50	167.51	.38		321.28	6,945	.046	2,848.18	39,659	.072	Turned in.
	17	E-144	Ford	1-Ton	M. Devaney	531.00	3- 3-26			21	1,314	206.31	14.10	71.10	413.46	.70	8.40	714.10	15,654	.046	1,108.30	25,749	.043	
	19	E-13	Ford	1½-Ton	C. Troxell	883.30	2-27-23	2- 4-27	50.00	47	150	23.32	5.40		52.10	.76		81.58	1,445	.056	2,074.52	38,080	.054	
Heavy Trucks—	10	E-137	Federal	2-Ton Truck	R. Gourdoux	2,198.50	10-1-27			2	145	23.20	1.45	33.20	(65.38)		4.65	62.50	820	.076	62.50	820	.076	New truck.
	11	E-138	Diamond T	1½-Ton Truck	Marble	2,350.00	10- 1-20			84	822	129.92	10.92	111.65	261.67	.76	11.20	526.12	4,521	Est. .116				Irregular service.
	12	E-139	Federal	2-Ton Truck	Henry	2,420.25	10-20-25			25	1,633	256.68	14.99	194.40	361.76	.76	7.00	835.59	13,064	.064	1,170.17	23,491	.05	3 tires this year.
	13	E-140	Packard	5-Ton Truck	Fricker	5,443.66	12-19-19			96	1,654	257.30	21.54	441.20	590.06	2.60		1,312.70	6,283	.21	6,697.29	48,354	.14	Overhaul and set of tires.
	14	E-141	F. W. D.	Oiler	Brady	1,125.59	11-30-21				855	136.80	21.36	197.20	294.18	.75		650.29						2 tires; in oiler service.
	15	E-142	F. W. D.	Oiler	Brady	1,125.59	11-30-21				115	18.40	1.35	197.20	335.00			551.95						2 tires; in oiler service 3 months.
	16	E-143	Federal	2½-Ton Truck	Brady	3,496.00	4- 6-26			20	2,252	354.17	29.72	416.90	119.63	.76		921.18	10,193	.09	1,272.34	17,066	.074	4 tires this period.
	19	E-13	Graham	1½-Ton Truck	C. Troxell	2,045.00	2- 4-27			10	1,129	177.02	15.01	52.10	71.34		4.67	320.14	11,192	.029	320.14	11,192	.029	New truck.
	21	E-146	G. M. C.	1½-Ton Truck	C. Patterson	1,375.00	3-11-24			45	2,078	327.21	14.25	213.45	319.77	2.17	12.78	889.63	15,149	.059	2,995.06	52,676	.057	Set of tires this year.
	42		Federal	3½-Ton Truck	Heartwell	4,777.30	July, 1927			5	978	156.48	7.62		21.06			185.16	3,786	.049	185.16	3,786	.049	New truck.
Tractors—	1	E-151	Fordson	Tractor	Shumway	1,025.00	Nov., 1922			60	† 2,196	340.52	44.40	310.40	76.44	2.33		774.09			3,207.50			No speedometer.
	2	E-152	Fordson	Tractor	Hollweger	548.00	Feb., 1925			33	† 1,988	308.29	51.06		78.61	2.12	1.07	441.15			1,181.01			No speedometer.
	3	E-153	Fordson	Trailmobile	Not used	2,239.50	Feb., 1924			45				46.20	13.12						59.12			Not in use.

† Kerosene.

ANNUAL REPORT

OF

THE DEPARTMENT OF FINANCE

FOR THE FISCAL YEAR ENDING
NOVEMBER 30, 1927

DEPARTMENT OF FINANCE

STANHOPE S. PIER
COMMISSIONER

OFFICE OF CITY TREASURER—
WM. ADAMS, City Treasurer

BUREAU OF PARKS—
C. P. KEYSER, Superintendent

BUREAU OF PURCHASES AND STORES—
FRANK COFFINBERRY, Purchasing Agent

BUREAU OF LICENSES—
J. S. HUTCHINSON, Inspector

BUDGET CLERK AND ACCOUNTANT—
JOHN J. CURTIN

PROPERTY CUSTODIAN—
GENTRY W. YATES

BUREAU OF CITY HALL—
M. J. MURNANE, Custodian

MUNICIPAL REFERENCE LIBRARY—
CAROLINE L. B. SIGRIST, Librarian

DEPARTMENT OF FINANCE

Portland, Oregon, October 23, 1928.

TO THE HONORABLE MAYOR AND COUNCIL:

Gentlemen: Attached hereto is the report of the Department of Finance for the fiscal year ending November 30, 1927.

There has been no marked change in so far as our bonded indebtedness is concerned. Our sinking funds are adequate and are being kept invested in interest-bearing securities in accordance with our Charter provisions.

Owing to the neglect of the City in years prior to the adoption of Commission-form of Government to make adequate levies for our sinking funds, we are compelled to make a larger levy than would have otherwise been the case. For the year 1928, I have already recommended an additional one-tenth of a mill levy, and, unless additional bonds are issued, we will have adequate funds for the retirement of our bonds as they come due.

We are no longer issuing long-term bonds, as I firmly believe the serial bond is the only issue that is financially sound in policy.

The four-tenths of a mill levy, under the provisions of our Charter, for the improvement of our parks and playgrounds is gradually giving us the improvements, and placing our parks and playgrounds in the condition that they should be to provide the service the public demands.

The City should own more park property, and we will never be able to purchase it to any better advantage than at the present time. This will not be possible, however, until such time as a bond issue for said purchase is authorized by our voters. I do not think that it would be advisable to submit any such issue under present conditions.

We are now operating three municipally owned golf liuks—two of them financed by public utility certificates and they are being paid for and operated from the fees charged for the game. While weather conditions were not the best the past year, and our returns were somewhat lower than we expected, I have no fear but what these two links will have ample funds to finance their operation and maintenance in addition to their purchase.

We are receiving better budgets than ever before, and our system of budget-making and, above all, budget control, excels any system I have seen in the cities I have visited since I have been Commissioner of Finance.

Portland is a growing city and just so long as it keeps advancing in population as it has done in the past, we are going to be confronted with many problems, the financing of which will be no easy task.

Traffic has increased to such an extent that our streets are no longer adequate to take care of it. The traffic signals we have installed are the equal of any on the market, and they have gone a long way to im-

prove conditions along this line. The signals we have in operation are insufficient, and it will be necessary to provide for the installation of additional ones from year to year.

I realize that as the City grows that it will be necessary for us to provide additional fire protection, police protection, and the expansion of some other departments, but our tax limitations are such that we will have to watch this carefully and see that no one department expands too rapidly.

Respectfully submitted,

STANHOPE S. PIER,
COMMISSIONER OF FINANCE.

OFFICE OF CITY TREASURER

ANNUAL REPORT OF WM. ADAMS, CITY TREASURER, FOR THE TERM ENDING NOVEMBER 30, 1927

Balance December 1, 1926	$ 2,833,849.93	
Received from all sources	21,983,535.39	
		$24,817,385.32
Disbursed	$21,448,566.68	
Balance	3,368,818.64	
		$24,817,385.32

GENERAL FUND

Balance December 1, 1926		$ 446,369.67
Received—		
Current taxes	$ 3,372,697.29	
Advance taxes	13,417.42	
1926 taxes	351,014.84	
Previous taxes	76,379.53	
Interest on taxes	10,404.67	
Interest on daily balance	6,894.40	
Interest on warrants	815.12	
General licenses	145,420.41	
Dog licenses	27,668.95	
Franchises—		
P. E. P. Co	19,048.00	
S. P. Co	2,500.00	
Portland Gas & Coke Co	100.00	
Linnton Transit Co	100.00	
Oregon Electric Co	6,785.00	
O-W. R. R. & N. Co	257.00	
S. P. & S. Co	500.00	
Northwestern Electric Co	62,462.09	
United Railways Co	1,408.35	
Pacific Telephone & Telegraph Co	15,000.00	
Central Heating Co	50.00	
Portland Heating Co	5.00	
Use of streets	86.00	
Hawthorne Bridge	18,133.62	
Morrison Bridge	11,708.85	
Broadway Bridge	9,727.95	
Municipal Court fines, etc	191,710.04	
Pound fees	4,201.15	
Building permits	35,370.37	
Electrical permits	30,459.81	
Electrical contractors	1,910.00	
Sidewalk permits	1,008.75	
Plumbing permits	24,255.50	
Sewer permits	2,359.50	
Electrical dealers	2,790.00	
Bill board permits	252.90	
Codes	508.40	
Blue prints	361.10	
Radio permits	86.50	

GENERAL FUND—Continued

Driveway permits	$ 6.40	
Tests	1,490.08	
Public market	14,413.20	
Concessions	2,710.00	
Birth and death certificates	594.50	
Telephone	23.55	
Comfort station	568.03	
Appeal from Building Inspector	160.00	
Badges	139.00	
Premium on bonds	99,414.88	
Cost of advertising delinquent assessments	6,415.32	
Repair and construction of sidewalk	14,386.18	
Weeds and nuisance assessments	6,252.26	
Interest on sidewalk and nuisance assessments	894.90	
Engineering	169,614.07	
Tuberculin rotary	693.55	
Earth slides	343.32	
Certified copies	48.70	
City charters	1.65	
Witness and jury fees	112.00	
Rents and leases	8,996.00	
Refunds	1,282.86	
Redemption of property	3,327.43	
Repair to pavement and sewers	3,481.15	
10 per cent paving	11,253.71	
Police Station	74.48	
Towing and storage on autos	9,626.35	
Rolling streets	2,487.77	
Fines and costs of City cases	12,606.50	
Loans	4,175,000.00	
Isolation Hospital	2,047.70	
Damage to autos, etc	117.25	
Anti-toxin and vaccine	678.85	
Poisons	25.00	
Maps and plans	94.50	
Sale of junk	615.15	
Stationery	187.51	
Garbage disposal	257.75	
Damage to hydrant	1,057.32	
Sale of old autos, etc	1,393.85	
Traffic signs and signals	57.50	
Use of buildings	84.32	
Injury to employes	693.23	
Material and supplies	95.32	
State encampment	239.00	
Removing building	130.05	
Damage to lamp post	120.00	
Cutting F. A. T. wires	17.00	
Warrants held by City	1,588.88	
Sanitary towels	36.65	
Sale Guinea pigs	38.00	
Sale sacks	1,092.00	
Sale stamps	94.11	
Damage to park property	42.50	
Oiling	236.82	
Right of way	1,405.89	
Photastating services	.97	
Hauling	8.31	
Damage to fire hose	46.67	
Purchase of property	7,200.00	

GENERAL FUND—Continued

Use of equipment	$ 29.78	
License plates	5.08	
Sale old fire engine	119.00	
Snow removal	85.14	
Damage street cleaning apparatus	144.29	
Removing glass	10.00	
Moving gravel	7.50	
Vacation of streets	25.85	
Loan of animals	8.98	
Damage stop sign	.55	
Removal trees	46.02	
Widening Burnside Street	2,000.00	
Damage fire apparatus	2,465.55	
Placing barricade and lights	21.86	
Sale of old houses	874.50	
Labor, Municipal Shop	87.09	
Sale flusher	275.00	
Money found	1.00	
Spraying trees	97.00	
Planting	1,000.00	
Redecking bridge	6,678.08	
Printing forms	34.50	
Overage in cash	42.80	
Special election	100.00	$ 9,028,138.02
Transferred—		
Playgrounds and Parks Fund	$ 16,777.92	
Special Bridge Fund	26,120.85	
Public Auditorium Fund	1,890.82	
Water Fund	33,942.99	
Assessment Collection Fund	948.83	
Municipal Paving Rotary Fund	83,920.68	
Eastmoreland Golf Fund	2,802.66	
West Hills Golf Fund	1,318.19	
Rose City Golf Fund	36,832.66	
Auto Camp Fund	393.28	
Water Construction Fund	3,137.74	
Garbage Crematory Fund	1,685.23	
Bridge Access Fund	3,678.78	
Bridge Access Fund, No. 2	15,796.21	
Bill Posters' Badge Fund	384.00	
Fire Dept. Construction Fund, No. 2	24,282.66	
Firemen's Salary Increase Fund	368,184.59	
Policeman's Salary Increase Fund	272,072.03	
Police Traffic Signal Fund	3,920.14	
Street Improvement Fund	45.18	
Sewer Fund	100.15	
Street Extension Fund	3,016.72	901,252.31
		$10,375,760.00

GENERAL FUND—Continued

Disbursed—		
Warrants cashed	$ 9,374,926.48	
Old warrants cashed	.50	
Badges redeemed	77.00	$ 9,375,003.98
Transferred—		
Playgrounds and Parks Fund	$ 12,289.29	
Special Bridge Fund	6,807.01	
Sinking Fund	70.69	
Public Auditorium Fund	16,510.22	
Fire Dept. Construction Fund	7,200.00	
Fire Dept. Construction Fund, No. 2	5,000.00	
Water Fund	1,744.70	
Bonded Indebtedness Interest Fund	21.36	
Assessment Collection Fund	3.75	
Municipal Paving Rotary Fund	98,385.23	
Eastmoreland Golf Fund	196.92	
West Hills Golf Fund	201.86	
Rose City Golf Fund	30,657.00	
Water Construction Fund	4.30	
Firemen's Salary Increase Fund	164,898.45	
Policemen's Salary Increase Fund	123,325.27	
Street Improvement Fund	425.95	
Sewer Fund	304.30	
Street Extension Fund	2,864.65	
Bridge Access Fund	2,550.00	473,460.95
Balance		527,295.07
		$10,375,760.00

BONDED INDEBTEDNESS INTEREST FUND

Balance December 1, 1926		$ 155,838.34
Received—		
Taxes	$ 523,392.02	
Interest on taxes	1,401.22	
Interest sale of bonds	1,005.00	
Accrued interest on bonds	655.66	526,453.90
Transferred—		
General Fund		21.36
		$ 682,313.60
Disbursed—		
Warrants		$ 205.51
Coupons redeemed		445,092.50
Balance		237,015.59
		$ 682,313.60

SINKING FUND

Balance December 1, 1926		$ 101,269.67
Received—		
Taxes	$ 333,167.83	
Interest on taxes	819.54	
Bonds	13,155.25	
Interest on bonds	43,783.65	
Interest on daily balance	1,185.97	
Engineering warrants cashed	13,187.77	
Interest on Engineering warrants	37.80	
Securities sold	4,100.00	409,437.81
Transferred—		
General Fund	$ 70.69	
Improvement Bond Interest Fund	4,951.12	
Improvement Bond Sinking Fund—St. Johns	41,186.51	
Improvement Bond Sinking Fund—Linnton	1,300.00	47,508.32
		$ 558,215.80
Disbursed—		
Warrants		$ 374,032.33
Bonds redeemed		60,000.00
Balance		124,183.47
		$ 558,215.80

PLAYGROUNDS AND PARKS FUND

Balance December 1, 1926		$ 14,947.58
Received—		
Taxes	$ 104,016.70	
Interest on taxes	204.41	
Interest on daily balance	299.49	
Refunds	196.73	
Damage, change grade Interstate Avenue	6,454.50	
Extension Powell Street	8,154.30	
Sale empty sacks	315.30	119,641.43
Transferred—		
General Fund	$ 12,289.29	
Park and Boulevard Construction Fund	1,643.90	
Rose City Golf Fund	1,215.45	15,148.64
		$ 149,737.65
Disbursed—		
Warrants		$ 108,120.96
Transferred—		
General Fund		16,777.92
Balance		24,838.77
		$ 149,737.65

GENERAL FUND—Continued

Disbursed—		
Warrants cashed	$ 9,374,926.48	
Old warrants cashed	.50	
Badges redeemed	77.00	$ 9,375,003.98
Transferred—		
Playgrounds and Parks Fund	$ 12,289.29	
Special Bridge Fund	6,807.01	
Sinking Fund	70.69	
Public Auditorium Fund	16,510.22	
Fire Dept. Construction Fund	7,200.00	
Fire Dept. Construction Fund, No. 2	5,000.00	
Water Fund	1,744.70	
Bonded Indebtedness Interest Fund	21.36	
Assessment Collection Fund	3.75	
Municipal Paving Rotary Fund	98,385.23	
Eastmoreland Golf Fund	196.92	
West Hills Golf Fund	201.86	
Rose City Golf Fund	30,657.00	
Water Construction Fund	4.30	
Firemen's Salary Increase Fund	164,898.45	
Policemen's Salary Increase Fund	123,325.27	
Street Improvement Fund	425.95	
Sewer Fund	304.30	
Street Extension Fund	2,864.65	
Bridge Access Fund	2,550.00	473,460.95
Balance		527,295.07
		$10,375,760.00

BONDED INDEBTEDNESS INTEREST FUND

Balance December 1, 1926		$ 155,838.34
Received—		
Taxes	$ 523,392.02	
Interest on taxes	1,401.22	
Interest sale of bonds	1,005.00	
Accrued interest on bonds	655.66	526,453.90
Transferred—		
General Fund		21.36
		$ 682,313.60
Disbursed—		
Warrants		$ 205.51
Coupons redeemed		445,092.50
Balance		237,015.59
		$ 682,313.60

SINKING FUND

Balance December 1, 1926		$ 101,269.67
Received—		
Taxes	$ 333,167.83	
Interest on taxes	819.54	
Bonds	13,155.25	
Interest on bonds	43,783.65	
Interest on daily balance	1,185.97	
Engineering warrants cashed	13,187.77	
Interest on Engineering warrants	37.80	
Securities sold	4,100.00	409,437.81
Transferred—		
General Fund	$ 70.69	
Improvement Bond Interest Fund	4,951.12	
Improvement Bond Sinking Fund—St. Johns	41,186.51	
Improvement Bond Sinking Fund—Linnton	1,300.00	47,508.32
		$ 558,215.80
Disbursed—		
Warrants		$ 374,032.33
Bonds redeemed		60,000.00
Balance		124,183.47
		$ 558,215.80

PLAYGROUNDS AND PARKS FUND

Balance December 1, 1926		$ 14,947.58
Received—		
Taxes	$ 104,016.70	
Interest on taxes	204.41	
Interest on daily balance	299.49	
Refunds	196.73	
Damage, change grade Interstate Avenue	6,454.50	
Extension Powell Street	8,154.30	
Sale empty sacks	315.30	119,641.43
Transferred—		
General Fund	$ 12,289.29	
Park and Boulevard Construction Fund	1,643.90	
Rose City Golf Fund	1,215.45	15,148.64
		$ 149,737.65
Disbursed—		
Warrants		$ 108,120.96
Transferred—		
General Fund		16,777.92
Balance		24,838.77
		$ 149,737.65

SPECIAL BRIDGE FUND

Balance December 1, 1926		$ 8,097.35
Received—		
Taxes	$ 144,598.98	
Interest on taxes	107.93	
Interest on daily balance	706.63	
Engineering costs—Vista Avenue	8,025.28	
Right of way	6,273.07	159,711.89
Transferred—		
General Fund	$ 6,807.01	
Municipal Paving Rotary Fund	71.49	6,878.50
		$ 174,687.74
Disbursed—		
Warrants		$ 24,155.55
Transferred—		
General Fund		26,120.85
Balance		124,411.34
		$ 174,687.74

PUBLIC AUDITORIUM FUND

Balance December 1, 1926		$ 6,543.59
Received—		
Rent, etc.	$ 26,220.40	
Interest on daily balance	41.45	
Refunds	162.24	
Telephone	12.38	
Vending machine	3.25	26,439.72
Transferred—		
General Fund		16,510.22
		$ 49,493.53
Disbursed—		
Warrants		$ 44,303.07
Transferred—		
General Fund		1,890.82
Balance		3,299.64
		$ 49,493.53

FIREMEN'S SALARY INCREASE FUND

Received—		
Taxes	$ 202,970.85	
Interest on taxes	125.08	
Interest on daily balance	190.21	$ 203,286.14
Transferred—		
General Fund		164,898.45
		$ 368,184.59
Disbursed—		
Transferred—		
General Fund		$ 368,184.59
		$ 368,184.59

POLICEMEN'S SALARY INCREASE FUND

Received—		
Taxes	$ 148,529.70	
Interest on taxes	91.54	
Interest on daily balance	125.52	$ 148,746.76
Transferred—		
General Fund		123,325.27
		$ 272,072.03
Disbursed—		
Transferred—		
General Fund		$ 272,072.03
		$ 272,072.03

FIRE DEPARTMENT CONSTRUCTION FUND

Balance December 1, 1926		$ 7,275.47
Received—		
Interest on daily balance		129.41
Transferred—		
General Fund	$ 7,200.00	
Fire Department Construction Fund, No. 2	4,500.00	11,700.00
		$ 19,104.88
Disbursed—		
Warrants		$ 4,500.00
Transferred—		
Fire Department Construction Fund, No. 2		7,200.00
Balance		7,404.88
		$ 19,104.88

FIRE DEPARTMENT CONSTRUCTION FUND, NO. 2

Received—		
Interest on daily balance	$ 2,498.03	
Sale of bonds	335,000.00	
Premium on bonds	6,656.45	
Sale of old houses	166.00	$ 344,320.48
Transferred—		
General Fund	$ 5,000.00	
Fire Department Construction Fund	7,200.00	12,200.00
		$ 356,520.48
Disbursed—		
Warrants		$ 188,311.42
Transferred—		
General Fund	$ 24,282.66	
Fire Department Construction Fund	4,500.00	28,782.66
Balance		139,426.40
		$ 356,520.48

PARK AND BOULEVARD CONSTRUCTION FUND

Balance December 1, 1926		$ 3,853.93
Received—		
Interest on daily balance	$ 76.30	
Sale of sacks	243.90	320.20
		$ 4,174.13
Disbursed—		
Warrants		$ 603.80
Transferred—		
Playgrounds and Parks Fund		1,643.90
Balance		1,926.43
		$ 4,174.13

WATER FUND

Balance December 1, 1926		$ 610,710.69
Received—		
Collections for water	$ 1,492,240.97	
Interest on daily balance	9,960.12	
Sale of property	2,964.75	
Interest on bonds	3,855.61	
Sale of junk	3,103.83	
Refunds	66.00	
National Guard	9.75	
Powell Street extension	8,648.99	
Sale of empty sacks	149.40	
Purchase of plans	225.00	
Use of auto and driver	23.10	
Injury to employes	265.33	
Damage to car	5.00	
Overage in cash	5.37	1,521,523.22
Transferred—		
General Fund	$ 1,744.70	
Water Construction Fund	877,323.67	879,068.37
		$ 3,011,302.28
Disbursed—		
Warrants		$ 1,593,832.40
Coupons cashed		649,347.50
Transferred—		
General Fund	$ 33,942.99	
Municipal Paving Rotary Fund	12,229.94	
Water Construction Fund	201,872.65	
Water Bond Sinking Fund	20,000.00	268,045.58
Balance		500,076.80
		$ 3,011,302.28

WATER BOND SINKING FUND

Balance December 1, 1926		$ 45,219.36
Received—		
Interest on daily balance	$ 630.39	
Interest on bonds	109,766.84	
Sale of bonds	169,575.55	
Annual payment by Water Fund	260,838.13	540,810.91
Transferred—		
Water Fund		20,000.00
		$ 606,030.27
Disbursed—		
Warrants		$ 505,896.78
Bonds redeemed		3,000.00
Balance		97,133.49
		$ 606,030.27

BILL POSTERS' BADGE FUND

Balance December 1, 1926		$ 384.00
Received—		
Badges sold		4.00
		$ 388.00
Disbursed—		
Badges redeemed		$ 4.00
Transferred—		
General Fund		384.00
		$ 388.00

REDEMPTION FUND

Balance December 1, 1926		$ 13,470.22
Received—		
Redemption of property		102,472.23
Transferred—		
Street Improvement Fund	$ 441.00	
Street and Sewer Interest Fund	9.61	
Assessment Collection Fund	22.42	473.03
		$ 116,415.48
Disbursed—		
Warrants		$ 111,003.41
Balance		5,412.07
		$ 116,415.48

ASSESSMENT COLLECTION FUND

Balance December 1, 1926		$ 402,134.94
Received—		
Interest on daily balance	$ 3,702.32	
Sale of property	332,151.01	
Refunds	6.00	
Interest on certificate of deposit	3,750.00	
Extension of Powell Street	2,033.70	341,643.03
Transferred—		
General Fund	$ 3.75	
Rose City Golf Fund	14.16	
Street Improvement Fund	119.98	
Street and Sewer Interest Fund	44.02	
Improvement Bond Sinking Fund	55.57	
Improvement Bond Interest Fund	34.82	
Sewer Fund	1.50	273.80
		$ 744,051.77
Disbursed—		
Warrants		$ 433,932.43
Bonds redeemed		203,000.00
Transferred—		
General Fund	$ 948.83	
Rose City Golf Fund	407.13	
Redemption Fund	22.42	1,378.38
Balance		105,740.96
		$ 744.051.77

WOMEN'S DETENTION HOME FUND

Balance December 1, 1926	$ 998.99
Received—	
Interest on daily balance	19.79
	$ 1,018.78
Balance	$ 1,018.78
	$ 1,018.78

MUNICIPAL PAVING IMPROVEMENT FUND

Received—	
Loan	$ 40,000.00
	$ 40,000.00
Disbursed—	
Transferred—	
Municipal Paving Rotary Fund	$ 40,000.00
	$ 40,000.00

MUNICIPAL PAVING ROTARY FUND

Balance December 1, 1926		$ 45,053.35
Received—		
Interest on daily balance	$ 1,289.52	
Interest on warrants	2,495.79	
Warrants cashed	124,091.63	
Repair to pavements	40,184.01	
Sale empty sacks	614.00	
Refunds	309.37	
Damage to property	16.25	
Material salvaged	175.00	169,175.57
Transferred—		
General Fund	$ 98,385.23	
Water Fund	12,229.94	
Rose City Golf Fund	31,295.00	
Water Construction Fund	29,381.07	
Municipal Paving Improvement Fund	40,000.00	211,291.24
		$ 425,520.16
Disbursed—		
Warrants		$ 278,825.02
Transferred—		
General Fund	$ 83,920.68	
Special Bridge Fund	71.49	
Gantry Crane Fund	13,250.00	97,242.17
Balance		49,452.97
		$ 425,520.16

EASTMORELAND GOLF FUND

Balance December 1, 1926		$ 9,655.92
Received—		
Green fees, etc	$ 42,918.80	
Interest on daily balance	159.30	
Concession	450.00	
Refund	37.64	
Mowing links	1,030.68	44,597.42
Transferred—		
General Fund	$ 196.92	
West Hills Golf Fund	1,050.36	
Rose City Golf Fund	12,589.32	13,836.60
		$ 68,089.94
Disbursed—		
Warrants		$ 37,010.30
Coupons redeemed	$ 5,520.00	
Certificates redeemed	10,000.00	15,520.00
Transferred—		
General Fund	$ 2,802.66	
Rose City Golf Fund	680.00	3,482.66
Balance		12,076.98
		$ 68,089.94

WEST HILLS GOLF FUND

Balance December 1, 1926		$ 1,604.44
Received—		
Green fees	$ 13,058.88	
Interest on daily balance	46.28	13,105.16
Transferred		
General Fund		201.86
		$ 14,911.46
Disbursed—		
Warrants		$ 10,477.39
Transferred—		
General Fund	$ 1,318.19	
Eastmoreland Golf Fund	1,050.36	
Rose City Golf Fund	5.00	2,373.55
Balance		2,060.52
		$ 14,911.46

ROSE CITY GOLF FUND

Balance December 1, 1926		$ 6,096.43
Received—		
Green fees, etc	$ 37,851.73	
Interest on daily balance	181.63	
Concession	315.00	
Refund	22.28	
Sale of bonds	70,000.00	
Premium on bonds	2,643.90	
Interest on bonds	560.00	111,574.54
Transferred—		
General Fund	$ 30,657.00	
Assessment Collection Fund	407.13	
Eastmoreland Golf Fund	680.00	
West Hills Golf Fund	5.00	31,749.13
		$ 149,420.10
Disbursed—		
Warrants		$ 56,068.87
Transferred—		
General Fund	$ 36,832.66	
Playgrounds and Parks Fund	1,215.45	
Assessment Collection Fund	14.16	
Municipal Paving Rotary Fund	31,295.00	
Eastmoreland Golf Fund	12,589.32	81,946.59
		11,404.64
Balance		$ 149,420.10

AUTO CAMP FUND

Balance December 1, 1926		$ 6,057.70
Received—		
Interest on daily balance		108.31
		$ 6,166.01
Disbursed—		
Warrants		$ 1,521.41
Transferred—		
General Fund		393.28
Balance		4,251.32
		$ 6,166.01

GARBAGE CREMATORY FUND

Balance December 1, 1926		$ 2,718.77
Received—		
Interest on daily balance	$ 455.76	
Sale of bonds	120,666.00	121,121.76
		$ 123,840.53
Disbursed—		
Warrants		$ 6,290.41
Transferred—		
General Fund		1,685.23
Balance		115,864.89
		$ 123,840.53

U. S. GRANT PROPERTY SALES FUND

Balance December 1, 1926		$ 5,167.39
Received—		
Interest on daily balance	$ 120.78	
Sale of property	2,107.54	2,228.32
		$ 7,395.71
Disbursed—		
Warrants		$ 660.46
Balance		6,735.25
		$ 7,395.71

WATER CONSTRUCTION FUND

Balance December 1, 1926		$ 197,607.40
Received—		
Interest on daily balance	$ 7,540.46	
Refund	157.75	
Purchase of property	26,154.35	
Plans and specifications	25.00	
Sale of bonds	1,975,060.00	
Crushed rock	3.75	2,008,941.31
Transferred—		
General Fund	$ 4.30	
Water Fund	201,872.65	201,876.95
		$ 2,408,425.66
Disbursed—		
Warrants		$ 815,114.45
Transferred—		
General Fund	$ 3,137.74	
Water Fund	877,323.67	
Municipal Paving Rotary Fund	29,381.07	909,842.48
Balance		683,468.73
		$ 2,408,425.66

BROADWAY BRIDGE FUND

Balance December 1, 1926		$ 4,864.41
Received—		
Interest on daily balance	$ 98.71	
Interest on bonds	170.00	268.71
		$ 5,133.12
Balance		$ 5,133.12
		$ 5,133.12

CIVIC EMERGENCY FUND

Balance December 1, 1926		$ 214.03
Received—		
Interest on daily balance	$ 8.82	
Boxing bouts	9,378.34	9,387.16
		$ 9,601.19
Disbursed—		
Warrants		$ 9,037.09
Balance		564.10
		$ 9,601.19

NELLIE ROBINSON FUND

Balance December 1, 1926		$ 558.43
Received—		
Interest on daily balance		8.03
		$ 566.46
Disbursed—		
Warrants		$ 185.00
Balance		381.46
		$ 566.46

BRIDGE ACCESS FUND

Balance December 1, 1926		$ 38,249.05
Received—		
Interest on daily balance		757.93
Transferred—		
Bridge Access Fund No. 2	$ 97.52	
General Fund	2,550.00	2,647.52
		$ 41,654.50
Disbursed—		
Warrants		$ 16,825.02
Transferred—		
General Fund	$ 3,678.78	
Bridge Access Fund No. 2	3,918.30	7,597.08
Balance		17,232.40
		$ 41,654.50

BRIDGE ACCESS FUND NO. 2

Balance December 1, 1926		$ 298,539.97
Received—		
Interest on daily balance	$ 5,101.31	
Removing building	1,557.50	
Sale of bonds	616,000.00	
Premium on bonds	20,384.05	643,042.86
Transferred—		
Bridge Access Fund	$ 3,918.30	
Street Extension Fund	29,358.82	33,277.12
		$ 974,859.95
Disbursed—		
Warrants		$ 405,191.91
Transferred—		
General Fund	$ 15,796.21	
Bridge Access Fund	97.52	
Street Extension Fund	532,461.11	548,354.84
Balance		21,313.20
		$ 974,859.95

FIRE BOAT AND FIRE MAINS FUND

Balance December 1, 1926		$ 118.61
Received—		
Interest on daily balance		2.11
		$ 120.72
Balance		$ 120.72
		$ 120.72

HEALTH TEACHERS' FUND

Balance December 1, 1926		$ 1,376.33
Received—		
Interest on daily balance	$ 3.35	
Payment by School Board	13,646.24	13,649.59
		$ 15,025.92
Disbursed—		
Warrants		$ 13,646.24
Balance		1,379.68
		$ 15,025.92

MT. HOOD RAILWAY & POWER CO.—STREET REPAIRS

Balance same as December 1, 1926		$ 1,000.00

POLICE TRAFFIC SIGNAL FUND

Received—		
Sale of bonds	$ 100,000.00	
Premium on bonds	1,059.00	
Interest on daily balance	825.12	$ 101,884.12
		$ 101,884.12
Disbursed—		
Warrants		$ 93,361.69
Transferred—		
General Fund		3,920.14
Balance		4,602.29
		$ 101,884.12

GANTRY CRANE FUND

Received—		
Interest on daily balance		$ 25.46
Transferred—		
Municipal Paving Rotary Fund		13,250.00
		$ 13,275.46
Disbursed—		
Warrants		$ 12,984.75
Balance		290.71
		$ 13,275.46

PAVING FUND

Balance December 1, 1926		$ 2,698.85
Received—		
Collections on assessments		161,346.36
Transferred—		
Street Improvement Fund		421.82
		$ 164,467.03
Disbursed—		
Warrants		$ 161,853.93
Transferred—		
Improvement Bond Sinking Fund		121.77
Balance		2,491.33
		$ 164,467.03

STREET IMPROVEMENT FUND

Balance December 1, 1926		$ 67,632.59
Received—		
Collections on assessments		2,188,474.82
Transferred—		
General Fund		425.95
		$ 2,256,533.36
Disbursed—		
Warrants		$ 2,075,120.54
Transferred—		
General Fund	$ 45.18	
Redemption Fund	441.00	
Assessment Collection Fund	119.98	
Paving Fund	421.82	
Street and Sewer Interest Fund	5.00	
Improvement Bond Sinking Fund	897.16	1,930.14
Balance		179,482.68
		$ 2,256,533.36

SEWER FUND

Balance December 1, 1926		$ 12,586.10
Received—		
Collections on assessments		930,524.31
Transferred—		
General Fund		304.30
		$ 943,414.71
Disbursed—		
Warrants		$ 875,921.16
Transferred—		
General Fund	$ 100.15	
Improvement Bond Sinking Fund	24.80	
Assessment Collection Fund	1.50	126.45
Balance		67,367.10
		$ 943,414.71

STREET EXTENSION FUND

Balance December 1, 1926		$ 21,781.89
Received—		
Collections on assessments		271,231.00
Transferred—		
General Fund	$ 2,864.65	
Bridge Access Fund No. 2	532,461.11	535,325.76
		$ 828,338.65
Disbursed—		
Warrants		$ 695,258.96
Transferred—		
General Fund	$ 3,016.72	
Bridge Access Fund No. 2	29,358.82	32,375.54
Balance		100,704.15
		$ 828,338.65

STREET AND SEWER INTEREST FUND

Balance December 1, 1926		$ 137.67
Received—		
Interest on assessments	$ 48,108.04	
Payment by General Fund	22,000.00	
Payment by Street & Sewer Interest Fund	2,000.00	72,108.04
Transferred—		
Street Improvement Fund		5.00
		$ 72,250.71
Disbursed—		
Warrants	$ 2,089.59	
Interest on warrants	66,162.02	$ 68,251.61
Transferred—		
Redemption Fund	$ 9.61	
Assessment Collection Fund	44.02	
Improvement Bond Interest Fund	16.04	69.67
Balance		3,929.43
		$ 72,250.71

IMPROVEMENT BOND SINKING FUND

Balance December 1, 1926		$ 230,768.76
Received—		
Collections on assessments		1,178,685.73
Transferred—		
Paving Fund	$ 121.77	
Street Improvement Fund	897.16	
Sewer Fund	24.80	
Improvement Bond Interest Fund	.71	
Extension Bond Sinking Fund	132.97	1,177.41
		$ 1,410,631.90
Disbursed—		
Warrants		$ 1,592.42
Bonds redeemed		1,281,099.17
Transferred—		
Assessment Collection Fund	$ 55.57	
Improvement Bond Interest Fund	.67	
Improvement Bond Sinking Fund—St. Johns	41,186.51	41,242.75
Balance		86,697.56
		$ 1,410,631.90

IMPROVEMENT BOND INTEREST FUND

Balance December 1, 1926		$ 45,208.01
Received—		
Interest on assessments	$ 347,579.59	
Penalty on assessments	16,415.97	
Interest on daily balance	3,591.53	
Over payment	.02	367,587.11
Transferred—		
Street and Sewer Interest Fund	$ 16.04	
Improvement Bond Sinking Fund	.67	
Extension Bond Interest Fund	790.83	807.54
		$ 413,602.66
Disbursed—		
Warrants		$ 760.84
Coupons cashed		374,100.65
Transferred—		
Sinking Fund	$ 4,951.12	
Assessment Collection Fund	34.82	
Improvement Bond Sinking Fund	.71	
Lighting Bond Interest Fund	13,742.53	18,729.18
Balance		20,011.99
		$ 413,602.66

LIGHTING BOND SINKING FUND

Balance December 1, 1926		$ 15,325.43
Received—		
Collections on assessments		57,061.81
		$ 72,387.24
Disbursed—		
Warrants		$ 7,558.04
Balance		64,829.20
		$ 72,387.24

LIGHTING BOND INTEREST FUND

Received—		
Interest on assessments	$ 151.63	
Penalty on assessments	9.14	$ 160.77
Transferred—		
Improvement Bond Interest Fund		13,742.53
		$ 13,903.30
Disbursed—		
Coupons redeemed		$ 7,340.32
Balance		6,562.98
		$ 13,903.30

IMPROEVMENT BOND SINKING FUND—ST. JOHNS

Received—	
Transferred—	
Improvement Bond Sinking Fund	$ 41,186.51
	$ 41,186.51
Disbursed—	
Transferred—	
Sinking Fund	$ 41,186.51
	$ 41,186.51

IMPROVEMENT BOND SINKING FUND—LINNTON

Balance December 1, 1926	$ 69.27
Received—	
Collections on assessments	1,255.49
	$ 1,324.76
Disbursed—	
Transferred—	
Sinking Fund	$ 1,300.00
Balance	24.76
	$ 1,324.76

EXTENSION BOND SINKING FUND

Balance December 1, 1926		$ 1,247.61
Received—		
Collections on assessments		1,407.41
		$ 2,655.02
Disbursed—		
Bonds redeemed		$ 2,522.05
Transferred—		
Improvement Bond Sinking Fund		132.97
		$ 2,655.02

EXTENSION BOND INTEREST FUND

Balance December 1, 1926	ces	$ 196.93
Received—		
Interest on assessments	$ 696.65	
Interest on daily balance	18.59	
		715.24
		$ 912.17
Disbursed—		
Coupons cashed		$ 121.34
Transferred—		
Improvement Bond Interest Fund		790.83
		$ 912.17

IMPROVEMENT BOND SINKING AND INTEREST FUND

Balance same as December 1, 1926	$ 200.79

SUMMARY

Balance per report	$ 3,368,818.64	
General Fund		$ 527,295.07
Bonded Indebtedness Interest Fund		237,015.59
Sinking Fund		124,183.47
Playgrounds and Parks Fund		24,838.77
Special Bridge Fund		124,411.34
Public Auditorium Fund		3,299.64
Fire Department Construction Fund		7,404.88
Fire Department Construction Fund No. 2		139,426.40
Park and Boulevard Construction Fund		1,926.43
Water Fund		500,076.80
Water Bond Sinking Fund		97,133.49
Redemption Fund		5,412.07
Assessment Collection Fund		105,740.96
Women's Detention Home Fund		1,018.78
Municipal Paving Rotary Fund		49,452.97
Eastmoreland Golf Fund		12,076.98
West Hills Golf Fund		2,060.52
Rose City Golf Fund		11,404.64
Auto Camp Fund		4,251.32
Garbage Crematory Fund		115,864.89
U. S. Grant Property Sales Fund		6,735.25
Water Construction Fund		683,468.73
Broadway Bridge Fund		5,133.12
Civic Emergency Fund		564.10
Nellie Robinson Fund		381.46
Bridge Access Fund		17,232.40
Bridge Access Fund No. 2		21,313.20
Fire Boat and Fire Mains Fund		120.72
Health Teachers' Fund		1,379.68
Mt. Hood Railway—Street Repair Fund		1,000.00
Police Traffic Signal Fund		4,602.29
Gantry Crane Fund		290.71
Paving Fund		2,491.33
Street Improvement Fund		179,482.68
Sewer Fund		67,367.10
Street Extension Fund		100,704.15
Street and Sewer Interest Fund		3,929.43
Improvement Bond Sinking Fund		86,697.56
Improvement Bond Interest Fund		20,011.99
Lighting Bond Sinking Fund		64,829.20
Lighting Bond Interest Fund		6,562.98
Improvement Bond Sinking Fund—Linnton		24.76
Improvement Bond Sinking and Interest Fund		200.79
		$ 3,368,818.64

Respectfully submitted,

WM. ADAMS,
CITY TREASURER.

PAVING FUND

Balance per report	$ 2,491.33	
E. 55th St. and E. Ash St., District 480		$ .10
Fremont St., Williams Ave. to E. 8th St.		9.71
Elliott Ave., Division St. to Hawthorne Ave.		.01
E. 75th St., E. Everett St. to E. Glisan St.		87.85
Halsey St., E. 24th St. to E. 28th St.		1,781.28
E. 14th St,, Belmont St. to E. Stark St.		459.45
E. 21st St., Yukon Ave. to Reedway		152.93
		$ 2,491.33

STREET IMPROVEMENT FUND

Balance per report	$ 179,482.68	
19th St., Overton St. to Wilson St.		$ .77
Tillamook St., E. 14th St. to E. 24th St.		.07
Front St. Fill at Woods St.		6.50
Front St. Fill at Lane St.		5.20
1st St. Fill at Grover St.		8.30
Hood St. Fill at Sheridan St.		1.20
Corbett St. Fill at Pennoyer St.		19.00
Mason St. et al District		.02
Lombard St., Westanna St. to Wabash Ave.		.25
Corbett St., L 6 B 11 to L 3 B 10 Terwilliger Homestead		3,310.18
Brandon St., Lombard St. to Argyle St.		1,000.00
Concord St., Prescott St. to Humboldt St.		48.57
Hillside Blvd. First Extension		249.19
1st St., Condon St. and Harrison St.		.32
Umatilla Ave., E. 19th St. to E. 23rd St.		37.04
Hillside Blvd., Linnton		96.97
E. Lincoln St. District 458		2.20
Burlington St., Bradford St. to St. Johns 2nd Addition		49.60
Jessup St., Willamette Blvd. to Delaware Ave.		.08
Fessenden St., Oswego St. to Smith Ave.		58.50
Elimination of Grade Crossings		20,103.48
E. 78th St., N. Villa to Oregon St.		517.10
70th St. S. E., 63rd Ave. S. E. to 65th Ave S..E.		.30
Burnside St. E., E. 82nd St. to E. 90th St.		5.68
E. Irving St. et al District 539		38.53
St. Helens Road, Ferry St. to C St.		13.56
Foster Road and Powell Valley Road Dist. 536	.72	
43rd St. S. E., 47th Ave. S. E. to 45th Ave. S. E.		30.48
Cora Ave., E, 37th St. to 42nd St. S. E.		2.15
96th St. S. E., Woodstock Ave. to 42nd St. S. E.		.01
Gladstone Ave., E. 2½th St. to 42nd St. S. E..		.02
E. Burnside St. et al District 602		10.53
Baldwin St., Peninsular Ave. to Burrage St..		3.30
Corbett St., Texas St. to Nebraska St.		126.82
Halleck St., Washburne St. to Peninsular Ave.		35.80
Bayard St., Willis Blvd. to Columbia Slough Road		.13
Whitman Ave. S. E., 72nd St S. E. to 68th St. S. E.		.20
Oregon St., E. 63rd St. to E. 65th St.		6.70
E. 75th St., Siskiyou St. to Sandy Blvd.		.10
Bowdoin St., McKenna Ave. to Portsmouth Ave.		11.23
E. 84th St., E. Burnside St. to E. Glisan St.		5.79
High St., Terrace Drive to L 3 B 118 Grovers Addition		1.20
Montana Ave. et al District 580		.95
Portland Blvd., Interstate Ave. to Union Ave.		49.15
14th St., Jefferson St. to Market St.		6.30
Tyler St., Lombard St. to Fessenden St.		16.18
Denver Ave., Killingsworth Ave. to Lombard St.		.80
38th Ave. S. E., 56th St. S. E. to 58th St. S. E.		4.83
Powell Valley Road et al District 51		54.09
67th St. S. E., Woodstock Ave. to 55th Ave. S. E.		2.89
Mears St., Midway Ave. to Macrum Ave.		56.17
Lombard St., Mississippi Ave. to Albina Ave.		1.60
38th Ave. S. E., Foster Road to 56th St. S. E.		.02

STREET IMPROVEMENT FUND—Continued

Cardinell Drive, B 13 Cardinell Park to B 6 Cardinell Park		$ 59.29
Baldwin St., Wabash Ave. to Emerald St.		3.16
Sumner St., E. 37th St. to E. 42nd St.		2.00
Chapman St., Jefferson St. to Taylor St.		54.42
Miller Ave., E. 16th St. to E. 21st St.		34.06
Terwilliger Ave. and 1st St. District 22		4.70
Powell Valley Road and 52nd St. S. E. Dist. 76		3.00
Willamette—Changed to E. Irving St.		1.00
E. 52nd St., E. Burnside St. to E. Glisan St.		.05
47th Ave. S. E., 52nd St. S. E. to 58th St. S. E.		8.18
Haven St., Willamette Blvd. to Lombard St.		362.82
Atlantic St. et al District 16		32.86
Arlington Place, Emerald St. to Peninsular Ave.		3.60
Kerby St., Bryant St. to Lombard St.		10.29
E. 57th St., E. Burnside St. to E. Everett St.		338.26
Mohawk St., Smith Ave. to Fessenden St.		.68
E. 74th St. N., Sandy Blvd. to Siskiyou St.		.03
E. 18th St. and Junior St. District 36		1.55
1st St. and C St. Linnton District 68		71.68
E. 59th St., Halsey St. to Thompson St.		94.82
E. 67th St., Fremont St. to Failing St.		.02
Blandena St., Gantenbein Ave. to Borthwick St.		15.53
26th Ave. S. E., 43rd St. S. E. to 45th St. S. E.		76.40
B St., N. 3rd St. to West Line City		.05
Macadam St., Dakota St. to Virginia St.		96.81
Buffalo St., E. 17th St. to E. 18th St.		101.22
50th Ave. S. E., 60th St. S. E. to Arleta Park No. 3		.05
E. 77th St., Siskiyou St. to Sandy Blvd.		247.85
Jersey St. et al District 77		500.00
Mill St. et al District 75		12.50
Montana Ave., Lombard St. to Farragut St.		546.95
E. 31st St., Francis Ave. to 150 feet north of		1,402.05
Vista Ave. Viaduct, Madison St. to Market St.		437.44
Upper Drive, L 4 B "B" Smiths to L 7 B "B" Smiths		234.20
E. Lincoln St., Murraymead to E. 26th St.		1,000.00
Shaver St., E. 15th St. to E. 16th St.		848.74
E. 63rd St., E. Davis St. to E. Glisan St.		3,556.96
Broadway, E. 40th St. to E. 41st St.		634.14
Washington St., Front St. to 2nd St.		6,700.00
Garfield Ave., Dekum Ave. to Bryant St.		2,233.78
Montana Ave., Ainsworth Ave. to Holman St.		2,395.60
E. 42nd St., Fremont St. to Killingsworth Ave.		26,415.09
Farragut St., Interstate Ave. to Minnesota Ave.		3,355.65
E. 7th St., Woodlawn Hts. to Magnolia St.		3,389.35
E. 10th St., Cora Ave. to Boise St.		1,556.31
E. 78th St., E. Glisan St. to Oregon St.		2,272.77
67th St. S. E., 50th Ave. S. E. to Foster Road S. E.		3,056.33
Emerson St., E. 29th St. to E. 30th St.		755.70
N. ½ Lombard St., Greeley St. to Omaha Ave.		2,051.97
Stanton St., E. 57th St. to E. 60th St.		2,067.81
E. 49th St., Klickitat St. to Fremont St.		2,048.44
E. 32nd Court, Brazee St. to Knott St.		3,954.92
E. 31st St., Stanton St. to Siskiyou St.		1,284.71
E. Taylor St., E. 76th St. to E. 80th St.		1,901.93
Fremont St., E. 72nd St. to E. 82nd St.		9,620.53

STREET IMPROVEMENT FUND—Continued

E. 58th St., Klickitat St. to Fremont St.		$ 1,952.19
Brooklyn St., E. 36th St. to E. 38th St.		91.01
E. Everett St., E. 78th St. to E. 79th St.		32.05
Long Ave., E. 28th St. to Kenilworth Ave.		67.76
Oneonta St. and E. 11th St. District 568		402.18
36th Ave. S. E., Mistletoe Add. to 60th St. S. E.		289.68
E. 39th St., Fremont St. to Failing St.		184.23
Brazee St., E. 28th St. to E. 33rd St.		128.50
Russett St., Delaware Ave. to Omaha Ave.		73.66
E. 30th St., Holman St. to North St.		62.53
33rd Ave. S. E., 45th St. S. E. to Bodley Ave.		66.41
Klickitat St., E. 62nd St. to E. 63rd St.		44.94
Klickitat St., E. 64th St. to E. 65th St.		100.15
Stanton St., E. 66th St. to E. 68th St.		66.34
25th Ave. S. E., 43rd St. S. E. to 45th St. S. E.		72.88
E. 67th St., Failing St. to Mason St.		3.50
E. 67th St., E. Stark St. to Royal Ave.		21.14
E. 52nd St., Foster Road to 65th Ave. S. E.		15.86
Fremont St., E. 42nd St. to Sandy Blvd.		3,109.05
E. 63rd St., Fremont St. to Failing St.		109.12
Thompson St., E. 82nd St. to E. 90th St.		239.18
Baldwin St., Mississippi Ave. to Kerby St.		60.94
E. Burnside St., E. 78th St. to E. 79th St.		424.48
Dana St., Kilpatrick St. to Winchell St.		18.67
E. 7th St., Killingsworth Ave. to Church St.		187.60
34th Ave. S. E., 50th St. S. E. to 51st St. S. E.		56.00
E. 41st St., Failing St. to Shaver St.		57.98
45th St. S. E., Woodstock Ave. to 54th Ave. S. E.		313.12
E. 53rd St., Klickitat St. to Fremont St.		23.24
E. 68th St., Beech St. to Prescott St.		335.62
36th Ave. S. E. et al District 91		158.91
Boston Ave., Bryant St. to Lombard St.		5.95
Grand Ave., Going St. to Wygant St.		186.06
Holman St., Haight Ave. to Williams Ave.		328.69
Jessup St., Albina Ave. to Commercial St.		14.36
Mobile St., Lombard St. to Bryant St.		46.65
E. Sherman St., E 72nd St. to Terrace Gardens		121.15
Watts St., Peninsular Ave. to Emerald St.		1,554.14
E. 32nd St., Sumner St. to Emerson St.		19.86
E. 32nd St., Emerson St. to Killingsworth Av.		55.50
58th St. S. E., 44th Ave. S. E. to 42nd Ave. S. E.		5.21
63rd St. S. E., Foster Rd. to Powell Valley Rd.		154.44
Alley B8 Laurelwood, 45th Ave. S. E. to 42nd Ave. S. E.		202.47
Delaware Ave., Portland Blvd. to Dekum Ave.		373.28
Jarrett St., E. 27th St. to E 30th St.		97.93
Morgan St., Rodney Ave. to Union Ave.		233.26
Russett St., Mississippi Ave. to Albina Ave.		33.49
Webster St., Michigan Ave. to Minnesota Ave.		654.53
E. 34th St. and Jessup St., District 598		16.10
E. 10th St., Claremont St. to Holland St.		29.32
E. 16th St., Killingsworth Ave. to Ainsworth Ave.		110.41
E. 13th St., Center St. to Bush St.		10.56
E. 18th St., Emerson St. to Killingsworth Ave.		54.44
E. 32nd St., Irvington Park to Holman St.		176.11
Alberta St., Union Ave. to Garfield Ave.		78.12
Dekum Ave., Montana Ave. to Mississippi Ave.		442.32
Willis Blvd., Burrage St. to Peninsular Ave.		171.59
E. 32nd St., Killingsworth Ave. to Jarrett St.		917.92

STREET IMPROVEMENT FUND—Continued

50th Ave. S. E., 41st St. S. E. to Beauvoir		$ 21.72
54th St. S. E., 42nd Ave. S. E. to Foster Road		37.87
E. 72nd St., E. Glisan St. to Multnomah St		56.25
Pettygrove St., 26th St. to 27th St		75.00
Water St. Fill, Grover St. to Porter St		7.00
Woods St. Fill, 1st St. to Corbett St		7.00
Missouri Ave., Portland Blvd. to Dekum Ave		84.89
Fern Ave., at Upper Drive		326.58
Going St., E. 29th St. to E. 30th St		75.89
Harney Ave, E 17th St. to E. 19th St		50.66
Stafford St., Albina Ave. to Montana Ave		.99
Terry St., Delaware Ave. to Burrage St		1,008.30
E. Washington St., E 76th St. to E. 80th St		.10
Highland St. and Holman St., District 87		281.30
45th Ave. S. E., 67th St. S. E. to 70th St. S. E.		394.63
46th St. S. E., Woodstock Ave. to City Limits		193.67
E. 70th St., at Dressel's Addition		16.06
Lombard St., Albina Ave. to Union Ave		47.37
Minnesota Ave., Bryant St. to Lombard St		2,275.28
E. 79th St. and E. 80th St., District 97		88.13
41st Ave. S. E., 46th St. S. E. to 52nd St. S. E.		49.77
E. 70th St., Beech St. to Mason St		459.44
Alley Blk. 19 Piedmont, Jessup St. to Jarrett St.		163.66
E. Davis St., E. 67th St. to E. 69th St		215.68
Holman St., Willamette Blvd. to Delaware Ave.		142.59
Knapp Ave., E. 16th St. to Milwaukie St		462.60
Montana Ave., Alberta St. to Blandena St		20.69
Oberlin St., Haven St. to Portsmouth Ave		83.48
E. Sherman St., E. 46th St. to E. 47th St		173.56
Stephens St., E. 29th St. to E. 28th St		27.42
Sheldon St., E. Hoyt St. to Oregon St		13.67
E. 27th St. N., Broadway to Schuyler St		26.73
E. 32nd St. Court, Thompson St. to Brazee St.	$ 4.24	
E. 34th St., Holgate St. to Gladstone Ave		11.39
E. 35th St., Bryce Ave. to L. 1 B. 7, Wilshire		12.04
49th St. S. E., 34th Ave. S. E. to 33rd Ave. S. E.		733.37
Leonard St., Buchanan St. to Alma St		15.04
Ramona Ave., E. 39th St. to 41st St. S. E.		18.78
E. 25th St., Killingsworth Ave. to Jarrett St		104.83
86th St. S. E., 70th Ave. S. E. to 65th Ave. S. E.		1,252.15
Alva St. and Penn St., District 102		174.59
E. Irving St. and E. 52nd St., District 106		2,128.35
E. 62nd St., E. Glisan St. to Oregon St		22.54
92nd St. S. E., 51st Ave. S. E. to 48th Ave. S. E.		683.18
Broadway and Larrabee Sts., District		29,080.86
Siskiyou St., E. 24th St. to E. 26th St		54.21
Hassalo St., E. 52nd St. to E. 53rd St		83.27
Clackamas St., Goodsell's Add. to E. 33rd St		27.60
E. Ash St., E. 57th St. to E. 60th St		58.36
Crane St., E. 19th St. to E. 21st St		81.63
E. Clay St., E. 76th St. to E. 80th St		16.12
Everard St., E. 39th St. to E. 41st St. S. E.		15.64
Jarrett St., E. 9th St. to E. 11th St		537.08
Morgan St., Albina Ave. to Kerby St		117.09
Siskiyou St., E. 29th St. to E. 30th St		133.17
Winchell St., Minnesota Ave. to Mississippi Ave.		10.42
Maltby St. et al, District		141.59
Siskiyou St. et al, District 90		297.28
Delaware Ave., Ainsworth Ave. to Portland Blvd.		261.51

STREET IMPROVEMENT FUND—Continued

Dekum Ave., Interstate Ave. to Maryland Ave.		$ 81.58
Glenn Ave., Brazee St. to Knott St		459.89
McLaughlin St., E. 36th St. to E. 38th St		37.04
Syracuse St., Buchanan St. to Polk St		81.35
Wall St., Lombard St. to Willamette Blvd		488.86
E. 6th St., Spokane Ave. to Nehalem Ave		73.57
E. 8th St., Umatilla Ave. to Nehalem Ave		2,000.62
27th Ave. S. E., 43rd St. S. E. to 48th St. S. E.		186.42
34th Ave. S. E., 45th St. S. E. to Bodley Place		417.90
E. 26th St., Oregon St. to Pacific St		411.07
Corbett St. et al, District 96		3,428.20
Steps in Overton St., Cornell Rd. to 27th St		5.75
Jarrett St., Concord St. to Maryland Ave		356.97
E. Kelly St., E. 31st St. to E. 36th St		440.36
E. 17th St., Nehalem Ave. to Lambert Ave		854.90
E. 25th St., Emerson St. to Killingsworth Ave.		156.40
Knowles Ave., Portland Blvd. to Lombard St.		341.66
39th Ave. S. E., 42nd St. S. E. to 45th St. S. E.	$ 16.80	
	$ 21.76	$ 179,504.44
Deficit		21.76
		$ 179,482.68

SEWER FUND

Balance per report	$ 67,386.60	
E. 57th St., Sandy Blvd. to Halsey St.		$ .22
S. Br. Rhine St.		3.03
Killingsworth Ave. and Vernon Ave. District		22.58
E. 65th St. and Private Property, Dist. 127		44.42
33rd Ave. S. E. and 60th St. S. E., District 92		6.15
Holgate District		2,481.05
Rhine St. District		1.95
E. Stark St., Trunk No. 2		208.50
E. Stark St., Trunk No. 1		206.96
Canyon Road, District 80		2.40
Water St. and Mill St. District		.07
Ainsworth Ave. and E. 13th St., District 79		2.00
Union Ave. and Portland Blvd., District 121		.51
E. 13th St. Trunk		229.51
Lents Trunk		873.10
Albina Ave. Trunk		1.00
Killingsworth Ave. and E. 19th St., Dist. 119-A		9.81
Rural Ave., 41st Ave. S. E. at		32.42
Columbia Channel		147.87
Campbell St., at Portland Blvd.		8.72
E. 33rd St. and Stafford St.		133.46
Morse Street Trunk		6.15
Ainsworth Ave., L. 18, B. 7, Cloverdale to E. 9th St.		64.00
Delaware Ave. and Kenton Blvd., District 56.		29.00
Missouri Ave. and Morgan St., Dist. 151		.55
Oregonian Avenue Trunk		20.47
Foster Road Trunk		122.56
E. 26th St. and Ainsworth Ave., Dist. 7		.10
E. 55th St. and Private Property, Dist. 37		1.00
E. 24th St., Ainsworth Ave. to Dekum Ave.		8.85
74th St. S. E., 45th Ave. S. E. to Foster Road.		.80
E. 34th St. and North St., District 35		313.57
72nd Et. S. E., 45th Ave. S. E. to Foster Road.		135.06
45th Ave. S. E., 60th St. S. E. to Foster Road.		.06
E. 34th St. and Jessup St., District 53		1.60
Riverside District		197.70
Tanner Creek		5.15
63rd St. S. E., 50th Ave. S. E. to Foster Road.		13.20
E. 21st St. and Nehalem Ave.		2.70
65th Ave. S. E. and 89th St. S. E., Dist. 79		6.40
72nd St. S. E. and 43rd Ave. S. E., Dist. 70		.25
45th Ave. S. E. and 58th St. S. E., Dist. 65		117.15
87th St. S. E. and 65th Ave. S. E. Dist. 95		2.22
4th St. and Terwilliger Hts. Dist. 96		.20
Burrage St., Portland Blvd. to Lombard St.		177.25
Iowa St. System		132.05
E. 27th St., E. 28th St. and Ainsworth Ave.		32.97
Oswego St. Trunk		166.87
45th Ave. S. E. and 74th St. S. E. Dist. 108		.80
Winchell St., Interstate Ave. to Albina Ave.		90.45
Haven St., Willamette Blvd. to Lombard St.		93.75
74th St. S. E. and Powell Valley Road Dist. 5		2.76
St. Johns Ave. and James St. Dist. 118		3.30
St. Helens Blvd. et al Dist. 110		2.45
Powell Valley Road, 65th St. S. E. to 59th St. S. E.		43.06
Miles St. et al Dist. 113		2.00
Mohawk St. and Fessenden St. Dist. 117		8.90
Baldwin St., Washburne St. to Wabash Ave.		.10
Morris St. and E. 36th St. Dist. 6		15.295

SEWER FUND—Continued

Fessenden St. and Richmond St. Dist. 3		$ 65.71
71st St. S. E. and 51st Ave. S. E.		.30
Extension North Branch Rhine St.		18.79
Lombard St. and Mobile St. Dist. 13		6.60
82nd St. S. E. and 62nd Ave. S. E. Dist. 10		183.45
Fairmount Blvd. Br. Marquam Gulch Sewer		50.00
Fiske St. and Private Property Dist. 80		725.95
Corbett St., Vermont St. to Nebraska St.		634.43
31st St., Willamette Hts. Add. to Thurman St.		1,024.20
Terry St., Minnesota Ave. to Albina Ave.		1,531.43
E. 34th St., Alberta St. to Killingsworth Ave.		2,035.85
49th Ave. S. E., 84th St. S. E. to 82nd St. S. E.		280.05
62nd St. S. E., 28th Ave. S. E. to Powell Valley Road		2,877.65
Lombard St., Kerby St. to Vancouver Ave.		1,858.49
33rd Ave. S. E., 45th St. S. E. to Bodley Place		996.08
52nd St. S. E. and 46th Ave. S. E. Dist. 25		9,904.55
Tyler St., and Syracuse St., Dist. 32		548.40
64th St. S. E. and 27th Ave. S. E. Dist. 33		3,537.40
45th St. S. E. and 34th Ave. S. E. Dist. 36		1,272.60
Terry St. and Omaha Ave. Dist. 44		3,126.51
61st St. S. E. and 26th Ave. S. E. Dist. 26		2,135.00
North Side City Park to River		40.50
Tyler St. and Fessenden St Dist. 38		5,538.70
64th St. S. E. and 25th Ave. S. E. Dist. 29		2,614.05
Caruthers St., 3rd St. to Hood St.		2,916.70
Wasco St., E. 60th St. to E. 63rd St.		998.06
70th St. S. E., 29th Ave. S. E. to 27th Ave. S. E.		1,552.58
71st St. S. E., 65th Ave. S. E. to 62nd Ave. S. E.		1,165.85
74th St. S. E. and 29th Ave. S. E. Dist. 24		6,690.38
Oatman Ave. and Willamette Blvd. Dist. 28		2,096.66
Foss St., Winchell St. to Willis Blvd.		862.39
B St.		27.15
Terwilliger Ave. and 2nd St. Dist. 15		54.00
Minnesota Ave. and Buffalo St Dist. 14		192.94
Montana Ave., Buffalo St. to Lombard St.		156.97
75th St. S. E., Section Line Road to 29th Ave. S. E.		68.60
E. 22nd St. and Gladstone Ave. Dist. 20		46.92
Commonwealth Ave. et al Dist. 39		9.00
Central Ave., Fessenden St. to St. Johns Ave.		193.02
Leonard St., Polk St. to Buchanan St.		9.60
Pettygrove St., 27th St. to 26th St.		518.89
E. 30th St., Stanton St. to Siskoyou St.		30.54
E. Grant St. and Kenilworth Ave. Dist. 52		93.20
Virginia Hts. Branch Marquam Gulch		.42
Lovely St. and Wall St. Dist. 51		337.70
46th Ave. S. E. and 69th St. S. E. Dist. 50		172.39
Russell St.		8.00
E. 30th St., Stanton St. to Knott St.		17.45
E. 36th St. and McLaughlin St. Dist. 56		58.90
63rd St. S. E. and 29th Ave. S. E. Dist. 55		100.55
70th St. S. E., 25th Ave. S. E. to 27th Ave. S. E.		88.07
Extension Woods St. Gulch		463.60
66th St. S. E., 29th Ave. S. E. to 26th Ave. S. E.		322.54
E. 60th St., Hassalo St. to Halsey St.		1.89
E. 21st St. and Nehalem St. Dist. 27		731.32
		$ 67,367.10

STREET EXTENSION FUND

Balance per report	$ 100,704.15	
29th Ave. S. E., 52nd St. S. E. to 824.97 feet east of		$ 1.00
Ladd Ave. et al		1,053.95
E. 27th St., East Portland Hts. to Ellsworth Ave.		117.80
E. 17th St., Midway Ave. to Yukon Ave		16.50
E. Burnside St. and Gilham Ave		630.26
Broadway, Wheeler to E. Irvings Add		152.41
Kellogg St., Bruce St. to St. Johns Ave		50.40
Delay St., Larrabee St. to Russell St		4.40
Foster Road, 50th St. S. E. to 72nd St. S. E.		3.72
E. 75th St., 40th Ave. S. E. to 45th Ave. S. E.		118.80
Holman St., E. 37th St. to City Boundary		110.00
Interstate Ave.		480.98
Burnside St., Willamette River to 3rd St		8,706.72
67th St., Foster Road to 50th Ave. S. E		8.38
E. Grant St., Kenilworth Ave. to E. 30th St		13.70
Woods St., Moody St. to Corbett St		439.31
Glisan St., 3rd St. to 4th St		30.20
Lombard St., Swinton to Vancouver Ave		996.98
E. Couch St., E 47th St. to E. 50th St		100.83
E. 73rd St., E. Yamhill St. to E. Stark St		207.85
38th Ave. S. E. et al Dist. 35		747.20
E. 17th St., South Ave. to Harold Ave		367.97
E. 72nd St., Siskiyou St. to Knott St		19.50
Kerby St., Riverview Add. to Fremont St		2.05
E. 46th St., Regis St. to E. Salmon St		6.78
Powell St. et al Dist. 39		4,224.36
Corbett St. et al Dist. 40		1,432.31
Interstate Ave. et al Dist		4,142.29
Stephens St., E. 74th St. to E. 76th St		3.91
Bryant St., Union Ave. to E. 8th St		132.54
New St., Bancroft St. to Portland Homestead		786.32
1st St. and Burnside St. Dist		415.34
E. 28th St., Brooklyn St. to Woodward Ave		1,136.81
E. Burnside St. et al Dist. 41		72,461.12
E. 34th St., Belford Add. to Powell Valley Road		720.51
3rd St. et al Dist. 46		594.85
Morris St., E. 70th St. to E. 72nd St		106.60
47th St. S. E., 53rd Ave. S. E. to 55th Ave. S. E.		159.50
		$ 100,704.15

BUREAU OF PARKS

Portland, Oregon, December 1, 1927.

HON. STANHOPE S. PIER, COMMISSIONER OF FINANCE:

Dear Sir: I am submitting herewith the annual reports of the Bureau of Parks for the fiscal year of 1927, comprising tabular data as follows:

Appropriation Statement.
Distribution of Expenditures.
Financial Statements—
- Eastmoreland Golf Links.
- Rose City Golf Links.
- West Hills Golf Links.

Attendance Reports—
- Eastmoreland Golf Links.
- Rose City Golf Links.
- West Hills Golf Links.
- Playgrounds.
- Swimming Tanks.
- Community Buildings.
- Comfort Stations.

List of Park Properties.

From the data submitted, as compared with other Municipal activities and with city progress generally, the Bureau of Parks would not seem to be making consistent progress. The defeat in 1926 of the two Charter amendments proposed to provide for material expansion of the system, which reversal, translated as a mandate from the people, has limited the activities of the Bureau to little more than maintenance. Continuation of such a policy in a city of Portland's characteristics and apparent future, means not only decadence but also the neglect of an opportunity to make and keep our city prominent.

It is easy enough to build bridges and widen streets. Zoning is automatic more or less. Trade and industry will cause pressure sufficient to give articulation. But it seems that but a small proportion of the electorate fully appreciates the values that recreational facilities may reflect, and also are prone to neglect the vital point, that is, open spaces and playgrounds must be reserved to public use *before* the same pressure which builds bridges and widens streets effects a limiting condition against parks.

Aside from all consideration of human benefit it can be readily shown that parks will create tangible values that make them a many fold paying investment in any growing city. Take Laurelhurst Park for instance. Its original cost to the city was $150,000 borrowed on the City's credit at 4% for 25 years. Will anybody say that the reflected enhancement in property values will not yield the assessor a handsome return on that investment and also maintain it for all time? The only thing wrong with that park is that it is not half large enough.

Again, representing as parks do an investment in real property and therefore not subject to the factors of depreciation and obsolescence,

the debt is easy. While long life bonds may perhaps be not recommended, still a reissue of park bonds may appear as good business. On the showing that it can make, I submit that the public recreation system is entitled to the use of a generous proportion of the City's credit, and on a constant or continuing basis. Within the defined City limits there can be no logical excuse for neglect to provide for leisure time spaces. Beyond the City limits broad regional planning should be carried on by the authority in jurisdiction designating thoroughfares, occupation, and all other uses including recreation. If we lack the authority within our own body politic, we should prevail on those in authority.

I therefore feel that an incidental failure of a bond issue should not be construed as a prohibitory mandate of the people unless it has been clearly shown that the people have understood the measure and believe it unsound.

So far we have financed our park system on a city-wide method. It may be that progress might be easier with an initiatory or district benefit scheme, but in consideration of what has been above set forth, it may properly remain "at large". That is, a 350 million dollar corporation should be forehanded enough to keep out of its own way. While the people will characteristically complain about taxes (and not without reason), they do not deny funds if they feel assured that they will be well spent. Kansas City, for instance, spends two dollars per capita per annum for park maintenance and is proud of the showing. Against this Buffalo spends slightly less and there is justifiable complaint. Our people are spending about one-half that amount, and it is the opinion of your Superintendent of Parks that the people of Portland would gladly pay for more service.

I strongly recommend the submission to the people of a bond issue for $1,000,000 or whatever can be consistently campaigned at the next election.

Very truly yours,

C. P. KEYSER,
SUPERINTENDENT OF PARKS.

FINANCIAL STATEMENT BUREAU OF PARKS—DECEMBER 1, 1926, TO NOVEMBER 30, 1927

SUMMARY

	Appropriation	Total Encumbrance	Balances
Executive and Clerical—			
Personal Service	$ 19,510.00	$ 19,442.42	$ 67.58
Operation and Maintenance	3,115.00	3,106.99	8.01
Equipment	1,875.00	1,863.25	11.75
Park Maintenance—			
Personal Service	154,967.35	152,246.90	2,720.45
Operation and Maintenance	18,337.00	18,057.56	279.44
Equipment	6,215.00	6,210.45	4.55
Improvement (Benson)	1,500.00	1,500.00	.....
Special Appropriations—			
Terwilliger Boulevard	500.00	500.00	.....
Mt. Scott Cemetery	1,000.00	1,000.00	.....
Rose Test Medals	200.00	66.74	133.26
Benson Park Water System	5,000.00	4,893.47	106.53
Rose Festival	1,000.00	1,000.00	.....
Playground Maintenance—			
Personal Service	39,131.00	39,102.71	28.29
Operation and Maintenance	6,125.00	6,104.18	20.82
Equipment	4,225.00	4,221.73	3.27
Music	1,650.00	1,671.50	*21.50
Swimming Tanks—			
Personal Service	6,275.00	6,268.44	6.56
Operation and Maintenance	190.00	188.44	1.56
Equipment	270.00	269.96	.04
Comfort Stations—			
Personal Service	26,237.50	26,174.57	62.93
Operation and Maintenance	6,173.00	6,170.11	2.89
Equipment	225.00	70.17	154.83
Rent	3,540.00	3,540.00	.....
Street Trees—			
Personal Service	1,306.50	1,274.85	31.65
Operation and Maintenance	970.00	951.07	18.93
Equipment	3,794.00	3,793.10	.90
Zoo—			
Personal Service	5,182.75	5,175.47	7.28
Operation and Maintenance	3,895.00	3,847.69	47.31
Total	$ 322,409.10	$ 318,711.77	$ 3,697.33
Total Personal Service	$ 252,610.10	$ 249,685.36	$ 2,924.74
Total Operation and Maintenance	69,799.00	69,026.41	772.59
Grand Totals	$ 322,409.10	$ 318,711.77	$ 3,697.33

FINANCIAL STATEMENT BUREAU OF PARKS—DECEMBER 1, 1926, TO NOVEMBER 30, 1927

Account				Appropriation	Claims Paid	Claims Outstanding	Total Encumbrances	Balances
Executive and Clerical—								
Personal Service				$ 19,510.00	$ 19,442.42		$ 19,442.42	$ 67.58
Operation and Maintenance				3,115.00				
Supplies	B-1	$ 1,013.85						
	6	726.57						
	10	73.77	$ 1,814.19					
Repairs	E-2	$ 50.90						
	3	622.36	673.26					
Telephone	E-7-A		11.35					
Telegraph	E-7-B		17.54					
Other Transportation	E-6-F		560.65					
	G-6		30.00		3,106.99		3,106.99	8.01
Equipment				1,875.00				
	D-1		$ 295.35					
	5		1,567.90		1,863.25		1,863.25	11.75
Totals				$ 24,500.00	$ 24,412.66		$ 24,412.66	$ 87.34

FINANCIAL STATEMENT BUREAU OF PARKS—DECEMBER 1, 1926, TO NOVEMBER 30, 1927—Continued

Account				Appropriation	Claims Paid	Claims Outstanding	Total Encumbrances	Balances
Park Maintenance—								
Forward				$ 1,500.00	$ 1,500.00		$ 1,500.00	
Personal Service				154,967.35	152,246.90		152,246.90	$ 2,720.45
Operation and Maintenance				18,337.00				
Supplies	B-2	$ 542.20						
	3	2,078.64						
	4	72.32						
	5	2,082.99						
	6	243.54						
	7	2,657.59						
	9	1.19						
	10	3,428.45	$ 11,106.92					
Material	C-1	$ 98.00						
	2	232.11						
	3	116.87						
	4	2,911.20	3,358.18					
Repairs	E-2	$ 1,627.34						
	3	430.83	2,058.17					
Janitorial Service	E-5		486.00					
	E-6-B		45.00					
	E-6-D		170.99					
	E-6-E		91.25					
	E-6-F		12.50					
	G-2		60.00					
	F		324.00		17,713.01	$ 344.55	18,057.56	279.44
Equipment				6,215.00				
	D-5	$ 1,271.80						
	7	319.57						
	8	4,638.08	$ 6,229.45					
Less	4	Credit	19.00		6,210.45		6,210.45	4.55
Total				$ 181,019.35	$ 177,670.36	$ 344.55	$ 178,014.91	$ 3,004.44
Terwilliger Boulevard				500.00	500.00		500.00	
Mt. Scott Cemetery				1,000.00	1,000.00		1,000.00	
Rose Test Medals				200.00	66.74		66.74	133.26
Benson Park Special				5,000.00	4,893.47		4,893.47	106.53
Rose Festival Decorations				1,000.00	1,000.00		1,000.00	
Totals				$ 188,719.35	$ 185,130.57	$ 344.55	$ 185,475.12	$ 3,244.23

FINANCIAL STATEMENT BUREAU OF PARKS—DECEMBER 1, 1926, TO NOVEMBER 30, 1927—Continued

Account				Appropriation	Claims Paid	Claims Outstanding	Total Encumbrances	Balances
Playground Maintenance—								
Personal Service				$ 39,131.00	$ 39,102.71		$ 39,102.71	$ 28.29
Operation and Maintenance				6,125.00				
Supplies	B-1	$ 16.29						
	2	624.35						
	3	35.00						
	5	85.78						
	6	175.58						
	8	2,078.96						
	9	64.10						
	10	968.87	$ 4,048.93					
Material	C-3	$ 85.10						
	4	527.92	613.02					
Repairs	E-2	$ 895.69						
	3	278.19	1,173.88					
	4		90.37					
	5		9.65					
	8		33.55					
	E-6-D		3.53					
	E-6-E		131.25		6,104.18		6,104.18	20.82
Music				1,650.00	1,641.50	$ 30.00	1,671.50	21.50*
Equipment				4,225.00				
	D-5	$ 8.40						
	7	.21						
	8	4,213.12	$ 4,221.73		4,221.73		4,221.73	3.27
Totals				$ 51,131.00	$ 51,070.12	$ 30.00	$ 51,100.12	$ 30.88

FINANCIAL STATEMENT BUREAU OF PARKS—DECEMBER 1, 1926, TO NOVEMBER 30, 1927—Continued

Account				Appropriation	Claims Paid	Claims Outstanding	Total Encumbrances	Balances
Swimming Tanks—								
Personal Service				$ 6,275.00	$ 6,268.44		$ 6,268.44	$ 6.56
Operation and Maintenance				190.00				
Supplies	B-5	$ 42.40						
	10	97.82	$ 140.22					
Material	C-3	$ 2.14						
	4	44.51	46.65					
	E-5		1.57		188.44		188.44	1.56
Equipment				270.00				
	D-8				269.96		269.96	.04
Totals				$ 6,735.00	$ 6,726.84		$ 6,726.84	$ 8.16
Comfort Stations—								
Personal Service				$ 26,237.50	$ 26,174.57		$ 26,174.57	$ 62.93
Operation and Maintenance				6,173.00				
Supplies	B-5	$ 3,155.75						
	6	37.18						
	10	328.79	$ 3,521.70					
Material	C-4		128.70					
Repairs	E-2	$ 695.58						
	3	22.76	718.34					
	4		1,382.26					
	5		319.11		6,070.11	$ 100.00	6,170.11	2.89
Equipment				225.00	70.17		70.17	154.83
Rent				3,540.00	3,540.00		3,540.00	
Totals				$ 36,175.50	$ 35,854.85	$ 100.00	$ 35,954.85	$ 220.65

FINANCIAL STATEMENT BUREAU OF PARKS—DECEMBER 1, 1926, TO NOVEMBER 30, 1927—Continued

Account				Appropriation	Claims Paid	Claims Outstanding	Total Encumbrances	Balances
Street Trees—								
Personal Service				$ 1,306.50	$ 1,274.85		$ 1,274.85	$ 31.65
Operation and Maintenance				970.00				
Supplies	B-6	$ 144.52						
	7	553.17						
	10	63.75	$ 761.44					
Material	C-4		.55					
Repairs	E-2	$ 118.67						
	3	37.41	156.08					
	F		33.00		951.07		951.07	18.93
Equipment	D-5	$ 3,020.00		3,794.00				
	7	3.68						
	8	769.42	$ 3,793.10		3,793.10		3,793.10	.90
Totals				$ 6,070.50	$ 6,019.02		$ 6,019.02	$ 51.48
Zoo—								
Personal Service				$ 5,182.75	$ 5,175.47		$ 5,175.47	$ 7.28
Operation and Maintenance				3,895.00				
Supplies	B-2	$ 78.34						
	3	3,631.69						
	5	11.10						
	6	3.86						
	7	15.96						
	10	10.88	$ 3,751.83					
Material	C-3		11.30					
Repairs	E-2	7.50						
	3	1.50	9.00					
	E-6-F		73.71					
	D-8		1.85		3,847.69		3,847.69	47.31
Totals				$ 9,077.75	$ 9,023.16		$ 9,023.16	$ 54.59

FINANCIAL STATEMENT BUREAU OF PARKS—DECEMBER 1, 1926, TO NOVEMBER 30, 1927—Continued

Account				Appropriation	Claims Paid	Claims Outstanding	Total Encumbrances	Balances
Eastmoreland Golf Links—								
Personal Service				$ 24,547.25	$ 24,517.63		$ 24,517.63	
Operation and Maintenance				26,464.25				
Supplies	B-1	$ 22.40						
	2	132.12						
	3	374.63						
	5	67.86						
	6	209.03						
	7	714.67						
	10	1,107.44	$ 2,628.15					
Material	C-2	$ 569.53						
	3	231.77						
	4	511.89	1,313.19					
Equipment	D-4	$ 20.00						
	5	35.15						
	7	.35						
	8	1,173.21	1,228.71					
Repairs	E-2	$ 499.44						
	3	143.27	642.71					
	4		100.82					
	5		7.64					
	E-6-D		65.26					
	E-6-F		24.00					
	E-7-A		130.31					
	G-1-A		5,520.00					
	G-1-B		10,000.00					
	G-2		69.00					
	4		284.83					
	6		4,889.56					
	H		18.00		26,922.18			
Ball Account—								
Credit		$ 4,733.22						
Debit		3,179.66	Cr. $1,553.56		Cr. 1,553.56		25,368.62	$ 1,125.25
Totals				$ 51,011.50	$ 49,886.25		$ 49,886.25	$ 1,125.25

FINANCIAL STATEMENT BUREAU OF PARKS—DECEMBER 1, 1926, TO NOVEMBER 30, 1927—Continued

Account				Appropriation	Claims Paid	Claims Outstauding	Total Encumbrances	Balances
Rose City Golf Links—								
Personal Service				$ 17,958.75	$ 16,555.72		$ 16,555.72	$ 1,403.03
Operation and Maintenance				7,300.00				
Supplies	B-2	$ 14.50						
	3	272.47						
	4	1.15						
	5	33.48						
	6	141.94						
	7	896.08						
	10	1,245.48	$ 2,605.10					
Material	C-3	$ 1.40						
	4	151.06	152.46					
Equipment	D-5	$ 24.47						
	7	31.95						
	8	1,564.26	1,620.68					
Repairs	E-2	$ 62.97						
	3	57.61	120.58					
	4		23.40					
	E-6-D		26.48					
	E-7-A		141.07					
	F		33.25					
	G-4		208.78					
	6		1,309.90		6,241.70			
Ball Account—Credit		$ 1,060.00						
Plus Rose City Rotary		680.00			Cr. 1,740.00		4,500.71	2,799.29
Totals				$ 25,258.75	$ 21,056.43		$ 21,056.43	$ 4,202.32

FINANCIAL STATEMENT BUREAU OF PARKS—DECEMBER 1, 1926, TO NOVEMBER 30, 1927—Continued

Account				Appropriation	Claims Paid	Claims Outstanding	Total Encumbrances	Balances
Rose City Golf Links—Brought Forward				$ 25,258.75	$ 21,056.43		$ 21,056.43	$ 4,202.32
Rose City Extension Golf Links—								
Personal Service				44,413.86	22,348.93		22,348.93	
Supplies	B-3	$ 425.20						
	4	36.50						
	6	495.21						
	7	3,862.50						
	10	1,386.19	$ 6,205.60					
Material	C-4		2,805.16					
Equipment	D-7	$ 8.10						
	8	1,780.38	1,788.48					
Repairs	E-1	$ 53.75						
	2	1,233.83	1,287.58					
	E-6-D		56.47					
	E-8		826.51					
	F		36.70					
	G-1-A		1,846.61					
	G-2		30.25					
	5		84.28					
	H		5,406.49		20,374.13		20,374.13	1,690.80
Totals				$ 44,413.86	$ 42,723.06		$ 42,723.06	$ 1,690.80
Grand Total—Rose City				69,672.61	63,779.49		63,779.49	5,893.12

FINANCIAL STATEMENT BUREAU OF PARKS—DECEMBER 1, 1926, TO NOVEMBER 30, 1927—Continued

Account				Appropriation	Claims Paid	Claims Outstanding	Total Encumbrances	Balances
West Hills Golf Links—								
Personal Service				$ 15,578.75	$ 10,016.74		$ 10,016.74	$ 5,562.01
Operation and Maintenance				3,180.00				
Supplies	B-3	$ 334.08						
	5	8.35						
	6	91.73						
	7	165.00						
	10	241.94	$ 841.10					
Material	C-2	$ 10.29						
	3	13.78						
	4	33.85	57.92					
Equipment	D-5	$ 24.46						
	8	295.22	319.68					
	E-3		46.74					
	4		53.32					
	E-6-D		25.39					
	E-7-A		98.25					
	G-4		82.86					
Ball Account—Credit		$ 1,396.20	$ 1,525.26					
Debit		1,021.31	375.09		1,150.17		1,150.17	2,029.83
Totals				$ 18,758.75	$ 11,166.91		$ 11,166.91	$ 7,591.84
Golf Rotary Account				$ 1,834.15	Cr. $ 132.80		Cr. $ 132.80	$ 1,966.95
Auto Camp Fund				$ 2,725.90				
Personal Service					$ 213.69			
Operation and Maintenance					1,382.43		$ 1,596.12	$ 1,129.78

DISTRIBUTION OF EXPENDITURES BUREAU OF PARKS—DECEMBER 1, 1926, TO NOVEMBER 30, 1927

Account	Supervision	Patrol and Watching	Driveways	Walks, Trails, etc.	Gutters, Drains, etc.	Lawns	Lights	Water System	Benches	Floral Display	Greenhouse and Nursery	Trees and Shrubs	Fences	Buildings	Stables	Warehouse and Shop	Tools and Equipment	Supplies	General Maintenance	Playground	Swimming Tank	Zoo	Construction	Truck Service	Grand Total
Office	$ 21,316.28										$ 39,641.41	$ 2,171.96				$ 9,074.90				$ 5,733.73			$ 254.57		$ 21,316.28
All Parks												209.79	$ 31.40	$ 243.52			$ 6.25	$ 9.42	$ 467.21	988.78			4,303.68	$ 75.00	56,876.57
Alberta		$ 305.84		$ 163.88	$ 8.75	$ 955.62	$ 128.76	$ 19.23	$ 31.91			191.85	2.38	322.79			8.51	18.35	439.94	632.83			667.39	52.20	7,949.04
Belmont		82.51		106.38	33.26	645.47	1.19	5.39	29.52			61.24	12.38	1,876.59	$ 444.44		95.97	37.08	1,742.91				5,987.99	204.50	3,239.96
Benson		266.06	$ 11.31	739.08	20.65	24.37	168.62	349.43				65.53	2.44	130.30					68.00	18.63				26.75	12,042.62
Brooklyn		56.84		32.60		19.37		4.82												1,869.16			8,863.90		425.28
Buckman	24.63	266.29		384.92	14.66	1,400.01	125.26	60.31	696.73	$ 959.59		1,039.24	30.05	318.80			81.10	1.23	820.99	1,377.50			817.23	160.25	10,733.06
Columbia	7.03	113.53	9.69	211.51	38.39	713.44	2.50	23.31	5.47			169.82	24.52	212.02			215.83	114.83	534.38	637.21	$ 1,153.84		8,279.09	89.25	8,578.79
Creston		286.34		328.48	22.83	731.41	23.32					294.90		216.19	2.41		30.63		99.98	38.98			134.86	30.50	12,555.66
Dawson		23.21	5.39	15.98	94.52	711.13	32.00	27.86				316.49		124.76	2.82		18.57		279.95	95.62			1,938.10	53.25	2,240.83
Duniway																	6.58		419.48						3,739.65
Firland														1,949.22											426.06
Forestry																								24.40	1,973.62
Fulton						26.33																	842.16		842.16
Gammons	8.61			12.56								5.00		273.74			24.72	.82	61.05				997.67		1,045.99
Holladay		163.59		335.73	2.57	1,016.37	16.42	1.94	28.12	9.74		440.02	32.10	99.15	44.16		25.69	1.98	1,091.22	1,178.75			998.52	37.75	1,978.72
Irving	134.82	914.42		532.19		1,274.40	32.32	8.01	1.81					2.00			2.04	14.61	559.87	571.77			6.23	55.00	6,877.19
Johnson Creek					224.12		11.50					419.53	4.75	40.48			36.31	7.57	292.64	828.11				42.50	1,377.53
Kenilworth		356.14		214.54	16.69	1,172.26	28.22	17.48	81.71			1,301.13					4.82	5.57	435.61					36.75	3,558.93
Ladd		80.91		229.50		583.30	71.00	9.44		170.41		35.00	31.79	311.76			21.42		80.68	2,622.00				18.12	2,928.44
Lair Hill		13.75		175.62	63.48	772.18		19.49	21.63			2,315.80	19.57	354.90	7.62		87.11	32.55	1,427.48	1,730.86				248.50	4,166.92
Laurelhurst	93.96	1,283.54		766.11	4.87	3,032.62	130.49	295.09	122.37	156.04									285.00						12,109.48
Laurelwood												58.10	15.69	266.75			6.08	10.31	373.25	934.37			1,714.72	37.75	285.00
Lents		242.01		54.26	28.72	591.24	19.77	26.66	2.98			8.90	83.72	26.79				9.76	76.37	324.88				1.50	4,382.66
Linnton				14.86		103.90		1.35					7.50	15.32				1.40	13.50					10.50	652.03
Macleay	35.82	245.00		1,170.75	7.68	48.75		31.64				176.01	562.30	324.10	28.08		21.28	18.11	470.03	1,441.15			6,190.00	119.25	1,587.86
Montavilla		395.25		194.82		873.65	46.83	1.94	191.25			159.22	5.55	262.72	37.80		74.59	61.84	212.97	724.59			24,088.17	91.50	11,054.05
Mt. Scott	3.50	251.13		207.82		1,184.85	29.12	4.38	4.75			367.72		398.54			72.42	32.61	1,017.87	978.49			418.69	82.25	27,404.50
Mt. Tabor	45.89	420.07	614.48	914.17	38.19	1,878.21	596.66	29.38	67.69			71.14	7.20	202.66			26.98		419.32	1,151.22				62.50	7,973.33
North Park	1.25	48.06		189.12		1,146.91		21.04	113.88										170.21				80.88	7.50	3,461.28
Overlook				4.75																					283.34
Peninsula	80.00	1,002.55		456.95	3.56	1,133.78	44.13	51.06	471.68	1,900.02		291.01	123.12	438.61			110.53	62.66	1,070.00	6,884.15	1,507.28			316.61	15,947.70
Pier	8.57	463.12		348.42	5.62	659.19	117.66	39.30	4.22			14.08	1.19	300.13			42.65		775.31	1,260.42			5,962.56	48.25	10,050.69
Plaza		140.71		684.57	6.05	827.33						17.20	7.28	423.63			2.06	6.51	151.24					31.92	2,298.50
Portland Heights																			4.02	43.48			2,002.43		2,049.93
Powell	129.38	161.35		189.20	43.02	1,011.45	25.82	65.59				429.28	86.69	199.82	21.78		64.26		366.15	1,103.80			2,857.52	108.13	6,863.24
Riverside																							177.19		177.19
Rose City Playground																				394.81			6,063.18		6,457.99
Sellwood	5.53	658.18		164.03	13.23	1,344.15	75.02	31.68	43.87	124.73		337.87	3.63	106.11			52.59		615.53	11,281.40	1,129.11		6,098.89	154.10	22,239.65
South Park		64.91		640.14	5.00	1,607.27	186.86	81.94	11.58	126.87		180.00	13.33	17.22			84.82		606.51				384.31	107.25	4,118.01
Terwilliger		200.26	1,243.82	107.45	314.60	434.36	1,645.53	6.87	.62			297.86	39.18	48.51			19.65	19.15	723.40	879.78				89.75	6,070.79
U. S. Grant		468.09	9.50	407.33	24.31	1,745.62	2.95	50.39	146.66			748.50	9.52	169.96			266.89	34.77	1,069.47	1,205.62	1,474.43		10,775.80	207.50	18,817.31
Wallace	2.38	44.96		203.69		718.74		1.35	2.75			114.57		209.32			32.07		426.59	846.06			127.01	61.75	2,791.24
Washington		2,024.06	376.74	1,757.70	583.85	3,000.64	42.28	276.07	2.69	2,411.09		2,758.69	55.93	885.73	432.22		135.97	65.54	2,166.19	820.74		7,716.40	6,799.95	279.50	32,591.98
Woodstock		194.16		17.95	17.48	1,345.03		29.46	6.88			406.91	3.75	351.19	11.19		10.64		238.86	739.24			235.10	27.75	3,635.59
Auto Camp																			213.69						213.69
Miscellaneous																			2,088.23						2,088.23
Mt. Scott Cemetery																			1,040.77						1,040.77
Ross Island Bridge																							2,787.64		2,787.64
Total	$ 21,897.65	$ 11,236.84	$ 2,270.93	$ 11,977.06	$ 1,636.10	$ 32,733.35	$ 3,604.23	$ 1,591.90	$ 2,090.77	$ 5,858.49	$ 39,641.41	$ 15,474.36	$ 1,196.96	$ 11,123.33	$ 1,032.52	$ 9,074.90	$ 1,689.03	$ 566.67	$ 23,415.87	$ 49,338.13	$ 5,264.66	$ 7,716.40	$110,855.43	$ 2,999.98	$ 374,286.97

GOLF LINKS

Account	Supervision	Patrol and Watching	Driveways	Walks, Trails, etc.	Drains and Sewers	Lawns, Fairways, etc.	Tees, and Bunkers	Lights	Water System	Benches	Trees and Shrubs	Fences	Buildings	Stables	Tools and Equipment	Truck Service	Supplies	General Maintenance	Vacations and Holidays	Motor Vehicles	Construction	Grand Total
Eastmoreland	$ 6,696.88	$ 805.90	$ 119.67	$ 348.30	$ 110.87	$ 8,846.91	$ 1,574.44	$ 4.46	$ 774.59	$ 1.04	$ 625.03	$ 419.82	$ 1,423.62	$ 930.82	$ 1,147.51	$ 322.00	$ 742.72	$ 5,933.47	$ 1,596.21	$ 152.78	$ 717.53	$ 33,294.57
Rose City	6,222.66	239.20	262.43	48.30		7,643.05	923.28	2.18	131.04	116.66	422.33	14.64	135.40	622.58	629.67	446.25	411.36	648.32	1,626.77	152.78	34,130.89	54,829.79
West Hills	4,367.60	647.59	112.46	51.08	34.44	3,731.14	180.65	8.84	42.87	4.75	148.51		53.75	773.47	75.84	138.00		259.66	403.14	152.78		11,186.57
Total	$ 17,287.14	$ 1,692.69	$ 494.56	$ 447.68	$ 145.31	$ 20,221.10	$ 2,678.37	$ 15.48	$ 948.50	$ 122.45	$ 1,195.87	$ 434.46	$ 1,612.77	$ 2,326.87	$ 1,853.02	$ 906.25	$ 1,154.08	$ 6,841.45	$ 3,626.12	$ 458.34	$ 34,848.42	$ 99,310.93

COMFORT STATIONS

Account	All Stations	Sixth and Yamhill	Fourth and Yamhill	Tenth and Yamhill	Park and Ankeny	Second and Washington	St. Johns	Grand Total
General Care and Supervision	$ 3,449.93	$ 7,849.82	$ 5,914.02	$ 3,067.41	$ 5,949.01	$ 7,372.39	$ 339.09	$ 33,941.67
Total	$ 3,449.93	$ 7,849.82	$ 5,914.02	$ 3,067.41	$ 5,949.01	$ 7,372.39	$ 339.09	$ 33,941.67

Account			Appropriation	Claims Paid	Claims Outstanding	Total Encumbrances	Balances
Playgrounds and Parks—							
Purchase of Equipment and Improvements			$ 111,285.15				
All Playgrounds	$ 3,197.04						
Alberta	3,796.74						
Belmont	667.37						
Buckman	8,809.45						
Creston	7,980.29						
Columbia	732.29						
Dawson	126.95						
Duniway	1,873.31						
Fulton	844.20						
Gammons	909.04						
Irving	998.52						
Johnson Creek	6.23						
Lents	1,245.59						
Montavilla	6,725.16						
Mt. Scott	23,578.85						
Mt. Tabor	4,827.73						
Overlook	127.87						
Pier Park	5,962.50						
Powell	2,455.77						
Rose City	6,090.60						
Riverside	143.59						
South Park Blocks	409.29						
Sellwood	5,966.14						
U. S. Grant	8,593.11						
Washington	6,733.93						
Woodstock	1,195.68						
Wallace	41.09						
Portland Heights	1,965.73						
Multnomah Falls	3,040.00						
Terwilliger Boulevard	98.19						
Ross Island	1,780.63			$ 110,922.88	$ 541.60	$ 111,464.48	$ 179.33*
Totals			$ 111,285.15	$ 110,922.88	$ 541.60	$ 111,464.48	$ 179.33*
Park and Boulevard Construction			$ 3,924.24				
Washington	$ 48.00						
Colnmbia	120.00						
U. S. Grant	1,948.00						
Multnomah Falls	180.00			$ 2,296.00		$ 2,296.00	$ 1,628.24
Totals			$ 3,924.24	$ 2,296.00		$ 2,296.00	$ 1,628.24

* Deficit.

EASTMORELAND GOLF LINKS—STATEMENT OF RECEIPTS AND DISBURSEMENTS DECEMBER 1, 1926, TO NOVEMBER 30, 1927

Cash on hand December 1, 1926	$ 63.83
Receipts—	
Green fees (30-cent tickets $34,342.80, season tickets $1,040.00)	35,382.80
Ball sales	4,733.22
Miscellaneous sales	6.35
Club rents	2,005.55
Broken clubs	99.00
Checking	174.65
Caddie badges	25.00
Incidentals	61.95
Reservations	125.60
Towels	15.40
Lockers	287.05
Total	$42,980.40
Disbursements—	
To the City Treasurer:	
December	$ 1,734.43
January	898.45
February	1,449.50
March	2,115.43
April	4,062.86
May	5,168.69
June	5,563.45
July	6,136.89
August	6,431.74
September	4,616.30
October	3,225.18
November	1,516.88
	$42,919.80
Stolen from cash register May 4, 1927	10.00
	$42,929.80
Cash on hand December 1, 1927	50.60
Total	$42,980.40

WEST HILLS GOLF LINKS—STATEMENT OF RECEIPTS AND DISBURSEMENTS DECEMBER 1, 1926, TO NOVEMBER 30, 1927

Cash on hand December 1, 1926	$ 17.80
Receipts—	
Green fees (30-cent tickets $10,532.70, season tickets $20.00)	10,552.70
Ball sales	1,396.40
Miscellaneous sales	168.23
Club rents	820.65
Broken clubs	43.00
Checking	41.00
Caddie badges	5.00
Incidentals	26.25
Total	$13,071.13
Disbursements—	
To the City Treasurer:	
December	$ 428.15
January	368.50
February	545.65
March	975.45
April	1,743.15
May	1,859.83
June	2,912.15
July	1,483.50
August	1,322.70
September	681.45
October	580.85
November	157.50
	$13,058.88
Cash on hand December 1, 1927	12.25
Total	$13,071.13

ROSE CITY GOLF LINKS—STATEMENT OF RECEIPTS AND DISBURSEMENTS DECEMBER 1, 1926, TO NOVEMBER 30, 1927

Cash on hand December 1, 1926	$ 16.50
Receipts—	
Green fees (30-cent tickets $31,185.00, season tickets $640.00)	31,825.00
Ball sales	3,217.25
Miscellaneous sales	129.61
Club rents	2,344.25
Broken clubs	90.00
Checking	180.90
Caddie badges	25.00
Incidentals	55.10
Reservations	19.20
Total	$37,902.81
Disbursements—	
To the City Treasurer:	
December	$ 1,476.69
January	1,088.35
February	1,746.43
March	2,919.56
April	3,659.12
May	4,140.25
June	4,583.75
July	5,162.72
August	4,955.01
September	3,811.03
October	2,626.51
November	1,682.31
	$37,851.73
Stolen from cash register March 29, 1927	10.00
	$37,861.73
Cash on hand December 1, 1927	41.08
Total	$37,902.81

ATTENDANCE MUNICIPAL GOLF LINKS—1927

EASTMORELAND

Month	30c Tickets	Season Tickets	Comp. Tickets	Total
December, 1926	3,213	307	10	3,530
January, 1927	2,249	247	11	2,507
February, 1927	3,295	476	17	3,788
March, 1927	6,215	755	26	6,996
April, 1927	11,130	942	76	12,148
May, 1927	13,818	1,026	73	14,917
June, 1927	15,249	960	61	16,270
July, 1927	18,647	885	83	19,615
August, 1927	16,613	817	116	17,546
September, 1927	11,606	803	69	12,478
October, 1927	8,444	775	38	9,257
November, 1927	3,997	502	24	4,523
Total	114,476	8,495	604	123,575

ROSE CITY

December, 1926	3,897	118	1	4,016
January, 1927	2,938	151	.....	3,089
February, 1927	4,174	319	2	4,495
March, 1927	8,101	447	39	8,587
April, 1927	10,387	551	54	10,992
May, 1927	11,098	639	43	11,780
June, 1927	12,976	611	14	13,601
July, 1927	15,141	569	20	15,730
August, 1927	12,839	536	13	13,388
September, 1927	10,604	454	10	11,068
October, 1927	7,240	300	90	7,630
November, 1927	4,555	238	34	4,827
Total	103,950	4,933	320	109,203

WEST HILLS

December, 1926	1,231	1	.....	1,232
January, 1927	845	6	.....	851
February, 1927	1,431	5	.....	1,436
March, 1927	2,978	4	7	2,989
April, 1927	4,621	14	6	4,641
May, 1927	5,898	15	10	5,923
June, 1927	6,845	18	22	6,885
July, 1927	4,380	5	8	4,393
August, 1927	3,078	2	6	3,086
September, 1927	1,860	1	3	1,864
October, 1927	1,473	1	4	1,478
November, 1927	469	.....	.....	469
Total	35,109	72	66	35,247

PLAYGROUND ATTENDANCE—SEASON 1927

Playground	June		July		August		Total		All Total
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
Alberta	1,055	1,063	3,240	3,962	2,570	3,382	6,865	8,407	15,272
Belmont	622	506	1,570	922	1,823	1,420	4,015	2,848	6,863
Creston	833	583	1,922	2,215	970	985	3,725	3,783	7,508
Columbia	2,175	1,550	4,106	3,234	3,971	3,517	10,252	8,301	18,553
Irving	1,300	1,388	2,820	2,047	2,620	2,965	6,740	6,400	13,140
Johnson Creek	465	391	714	894	1,005	901	2,184	2,186	4,370
Kenilworth	2,210	860	1,906	2,016	2,548	3,527	6,664	6,403	13,067
Laurelhurst	2,009	1,109	4,483	4,256	5,511	5,102	12,003	10,467	22,470
Lents	1,870	1,175	4,064	2,970	4,780	1,969	10,714	6,114	16,828
Linnton	87	87	227	236	231	271	545	594	1,139
Montavilla	1,089	765	2,717	1,684	2,333	1,337	6,139	3,786	9,925
Mt. Scott	2,631	2,754	3,614	3,763	2,491	2,638	8,736	9,155	17,891
Mt. Tabor	2,775	1,310	5,565	3,382	3,855	2,445	12,195	7,137	19,332
North Park	725	575	2,175	1,553	1,505	1,270	4,405	3,398	7,803
Peninsula	5,150	3,985	21,005	13,943	13,780	16,315	39,935	34,243	74,178
Pier	680	772	1,148	1,362	1,507	1,843	3,335	3,977	7,312
Powell	1,380	1,100	4,731	3,061	3,298	2,276	9,409	6,437	15,846
Sellwood	2,645	1,082	5,620	4,465	4,110	3,205	12,375	8,752	21,127
Terwilliger	640	257	1,583	1,106	1,261	850	3,484	2,213	5,697
U. S. Grant	1,785	2,210	4,644	4,400	2,646	3,204	9,075	9,814	18,889
Wallace	1,172	1,325	4,346	3,871	3,217	2,265	8,735	7,461	16,196
Washington	785	568	3,044	2,797	2,556	2,048	6,385	5,413	11,798
Woodstock	654	366	1,716	937	910	564	3,280	1,867	5,147
W. Lair Hill	1,100	480	3,260	1,035	2,290	740	6,650	2,255	8,905
Totals	35,837	26,261	90,220	70,111	71,788	65,039	197,845	161,411	359,256

SWIMMING TANK ATTENDANCE—1927

	June	July	August	September	Totals
Creston Tank	6,371	70,853	75,370	310	152,904
Peninsula Tank	5,541	40,690	37,167	.....	83,398
Sellwood Tank	3,279	21,330	17,144	.....	41,753
U. S. Grant Tank	5,739	42,047	46,346	.....	94,132
Total Attendance	20,930	174,920	176,027	310	372,187

COMMUNITY HOUSE ATTENDANCE—1927

Month	Neighborhood			Peninsula			Sellwood			Totals			All Total
	Boys	Girls	Special	Boys	Girls	Special	Boys	Girls	Special	Boys	Girls	Special	
December	137	751	700	1,027	1,967	3,364	855	1,265	1,810	2,019	3,983	5,874	11,876
January	440	761	20	998	1,689	2,417	872	1,594	2,179	2,310	4,044	4,616	10,970
February	476	770	650	991	2,315	3,564	720	1,515	1,645	2,187	4,600	5,859	12,646
March	678	1,052	700	1,100	2,379	2,300	790	1,043	664	2,568	4,474	3,664	10,706
April	335	887	225	861	2,042	1,593	411	176	32	1,607	3,105	1,850	6,562
May	504	716	600	873	735	792	338	305	702	1,715	1,756	2,094	5,565
June	75	132	200	513	101	177	292	240	343	880	473	720	2,073
October	573	979	938	1,022	2,524	780	800	1,058	164	2,395	4,561	1,882	8,838
November	1,880	890	1,124	1,423	3,796	973	924	1,271	253	4,227	5,957	2,350	12,534
Totals	5,098	6,938	5,157	8,808	17,548	15,960	6,002	8,467	7,792	19,908	32,953	28,909	81,770

COMFORT STATION ATTENDANCE—1927

Month	6th and Yamhill		10th and Yamhill	4th and Yamhill		2nd and Washington		Park and Ankeny		Total		Grand Total
	Men	Women	Men	Men	Women	Men	Women	Men	Women	Men	Women	
December	84,590	30,611	48,028	24,837	5,688	54,914	7,503	61,674	6,547	274,043	50,349	324,392
January	76,377	30,998	50,907	25,454	5,207	51,633	6,398	57,883	4,021	262,254	46,624	308,878
February	70,902	24,883	41,629	26,445	5,045	47,213	6,772	54,185	4,164	240,374	40,864	281,238
March	81,176	30,720	51,054	30,581	5,865	56,336	8,117	59,937	6,942	279,084	51,644	330,728
April	81,435	32,572	34,886	32,247	5,992	41,525	5,854	63,128	5,107	253,221	49,525	302,746
May	81,316	32,160	39,962	30,670	5,806	41,864	5,556	51,332	5,505	245,144	49,027	294,171
June	84,154	35,912	40,814	33,591	6,823	41,117	6,059	64,769	6,755	264,445	55,549	319,994
July	93,368	31,515	37,438	30,215	6,048	42,795	4,909	69,753	5,432	273,569	47,904	321,473
August	82,171	35,006	36,692	31,536	6,536	44,681	5,076	73,026	5,266	268,106	51,884	319,990
September	83,395	38,312	40,215	30,328	5,657	39,792	5,869	56,754	5,987	250,484	55,825	306,309
October	90,168	37,579	41,365	31,363	6,381	41,669	6,400	56,772	5,232	261,287	55,592	316,879
November	87,214	34,706	41,710	29,498	5,161	40,278	5,175	51,961	4,803	250,661	49,845	300,506
Total	996,266	394,974	504,700	356,765	70,209	543,817	73,688	721,124	65,761	3,122,672	604,632	3,727,304

STATEMENT OF PROPERTY OWNED BY BUREAU OF PARKS DECEMBER 1, 1927

	Location	How Acquired	Date Acquired	Purchase Price	Total Acreage	Natural and/or Undeveloped	Lawn or Intensive	Shrub Planting	Walks and Drives	Water Areas	Recreational Area	Zoo	Golf Links	Supervised Playgrounds with Apparatus	Community Building	Swimming Tanks	Tennis Courts	Baseball Field	Horseshoe Courts
					Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres							
Alberta	E. 19th and Killingsworth	Condemnation	1921	$ 36,445.23	16.7	3.9	3.7	.3	1.		7.8			Yes			2	1	
Ainsworth Parking	Ainsworth and Union Ave.	Ordinance	1917		.7		.7												
Belmont	E. 17th and Taylor	Purchase	1922	57,998.04	4.38						4.38			Yes					
Benson and Multnomah Falls	Columbia River Highway	Gift	1915–1922		760.	760.													
Buckman	E. 12th and Davis	Purchase	1920	102,840.00	9.6		2.7				6.9						8	2	6
Columbia	Lombard and Woolsey	Purchase	1891	61,000.00	28.15	11.3	8.	5.3	1.3		2.25			Yes		Yes	2	1	
Creston	E. 45th and Powell	Purchase	1920 and 1924	12,640.00	10.		4.8		.9		4.3			Yes		Yes	2		
Crown Point	Columbia River Highway	Gift	1914		.143	.143													
Dawson	Williams Ave. and Stanton	Purchase	1921	21,930.00	2.		2.												
Duniway	6th and Sherman	Purchase	1918	140,000.00	12.5	2.5	2.	.5			7.5						1		
Eastmoreland	Bybee Ave. and Crystal Springs Blvd.	Purchase	1923 and 1924	195,000.00	159.					11.	148.		18 holes						
Forestry Bldg.	28th and Vaughn	Purchase	1906	14,000.00	1.89	.6	1.29												
Fulton	Terwilliger Blvd. and Slavin Rd.	Gift	1903		34.1	34.1													
Firland	E. 72nd and Foster Road	Ordinance	1918		1.4		1.4												
Gammons	Buffalo and Burrage	Gift	1911		1.65		1.65												
Governors	14th and Spring Sts.	Gift	1898		4.21	4.21													
Hill W. Lair	2nd and Wood	Gift	1926		1.						1.			Yes			1		
Holladay	E. 11th and Holladay	Gift	1870		4.86		4.4		.46										
Irving	E. 7th and Fremont	Purchase	1920	58,666.00	15.		5.6	1.4	.7		7.3			Yes			4	1	
Johnson Creek	E. 21st and Clatsop	Purchase	1908 and 1920	4,765.00	2.84	1.6	.3	.1		.84				Yes					
Kenilworth	E. 34th and Holgate	Purchase	1909	18,000.00	9.		4.5	1.5	.9		2.1			Yes			2		
Ladd Circle and Squares	Ladd's Addition	Dedicated	1891		1.62		.52	.8	.3										
Laurelhurst	E. 39th and Stark	Purchase	1909 and 1922	130,082.10	31.1		17.4	5.7	2.4	2.6	3.			Yes			2		6
Laurelwood	64th and Foster Rd.	Purchase	1922	11,287.58	.22		.22												
Linnton (Kingsley Donation)	Linnton	Gift	1924		1.25						1.25			Yes					
Linnton (Clark & Wilson Donation)	Linnton	Gift	1927		15.	15.													
Lents	92nd St. and 54th Ave., S. E.	Gift	1913		5.2	1.2	1.	.2			2.8			Yes			2		
Macleay	Cornell Road	Gift	1897		103.34	103.34													
Madrona	Greeley Extension and Going	Gift	1921		9.	9.													
McLoughlin	Columbia Highway	Gift	1922		80.	80.													
Montavilla	E. 82nd and Glisan	Purchase	1921	13,333.00	10.		4.3	.1	.6		5.			Yes			2	1	
Mt. Scott	72nd St. and 55th Ave., S. E.	Purchase	1922	28,373.00	11.13		5.43	.7			5.			Yes			1		
Mt. Tabor	E. 69th and Belmont	Purchase	1909	426,000.00	178.3	165.	5.		7.		1.3			Yes		Yes	6		
Mt. Tabor Nursery	E. 65th and Division	Purchase	1927		21.5		21.5												
North Park Blocks	8th and Ankeny	Purchase and Dedication	1869		2.53		.93		.1		1.5			Yes					
Overlook	Interstate and Fremont	Purchase	1920 and 1925	27,550.00	7.8	7.8													
Overlook Triangle	Shaver and Overlook	Gift	1912		.01	.01													
Patton	Emerson and Interstate	Ordinance			1.03		1.03												
Peninsula	Albina Ave. and Portland Blvd.	Purchase	1909	60,000.00	16.5		7.8	2.	3.3		3.4			Yes	1	Yes	2		
Pier	Seneca and St. Johns	Purchase	1920	43,333.00	65.	50.2			.8		14.			Yes				2	
Plaza (Chapman & Lownsdale Sqs.)	Madison and 4th	Gift	1852		1.84		1.7		.14									1	
Powell	E. 26th and Powell	Purchase	1921	26,847.00	9.1		4.8	.8	.4		3.1			Yes					
Riverside	Macadam Rd. and Sellwood Bridge	Gift	1926		18.5	18.5													
Rose City	E. 62nd and Thompson	Purchase	1920 and 1926	120,000.00	160.	37.4					122.6		18 holes				2	1	
Sellwood	E. 7th and Millers Ave.	Purchase	1909 and 1923	66,500.00	16.	1.2	10.4	1.	.4		3.			Yes		Yes	3	1	
Sellwood Community Building	E. 15th and Spokane	Purchase	1920	8,000.00	.25						.25				1				
Sheppards Dell	Columbia Highway	Gift	1915		10.03	10.03													
E. 72nd and Sandy Blvd.		Ordinance	1923		.87		.87												
South Park Blocks	Salmon and Park	Gift and Dedication	1867	6,500.00	4.92		4.72	.1	.1										
Terwilliger Blvd.	6th and Sheridan	Gift and Purchase	1912	109,258.00	74.08	65.	.2		8.88										
Terwilliger Park	Lowell and Corbett	Gift	1854		4.53	2.9			.1		1.53			Yes					
U. S. Grant	E. 33rd and Thompson	Purchase	1920–1922	57,500.00	29.11		18.	3.	2.5		5.61			Yes		Yes	6	1	
Wallace	25th and Raleigh	Purchase	1920	44,334.00	2.07		.2	.2	.1		1.57			Yes			6		
Washington	23rd and Washington	Purchase	1871	32,624.00	101.9	58.3	5.5	4.6	6.6		1.9	25.							
West Hills	Canyon Road	Gift	1922		205.	143.					62.		9 holes				1	1	
Woodstock	47th St. and 53rd Ave., S. E.	Purchase	1921	12,343.00	15.		8.3	1.	.6		5.1			Yes					
Totals					2,292.853	1,586.233	162.860	29.3	39.58	14.44	435.44	25.00	45	24	2	4	54	14	12

Insert No. 12—Page 392

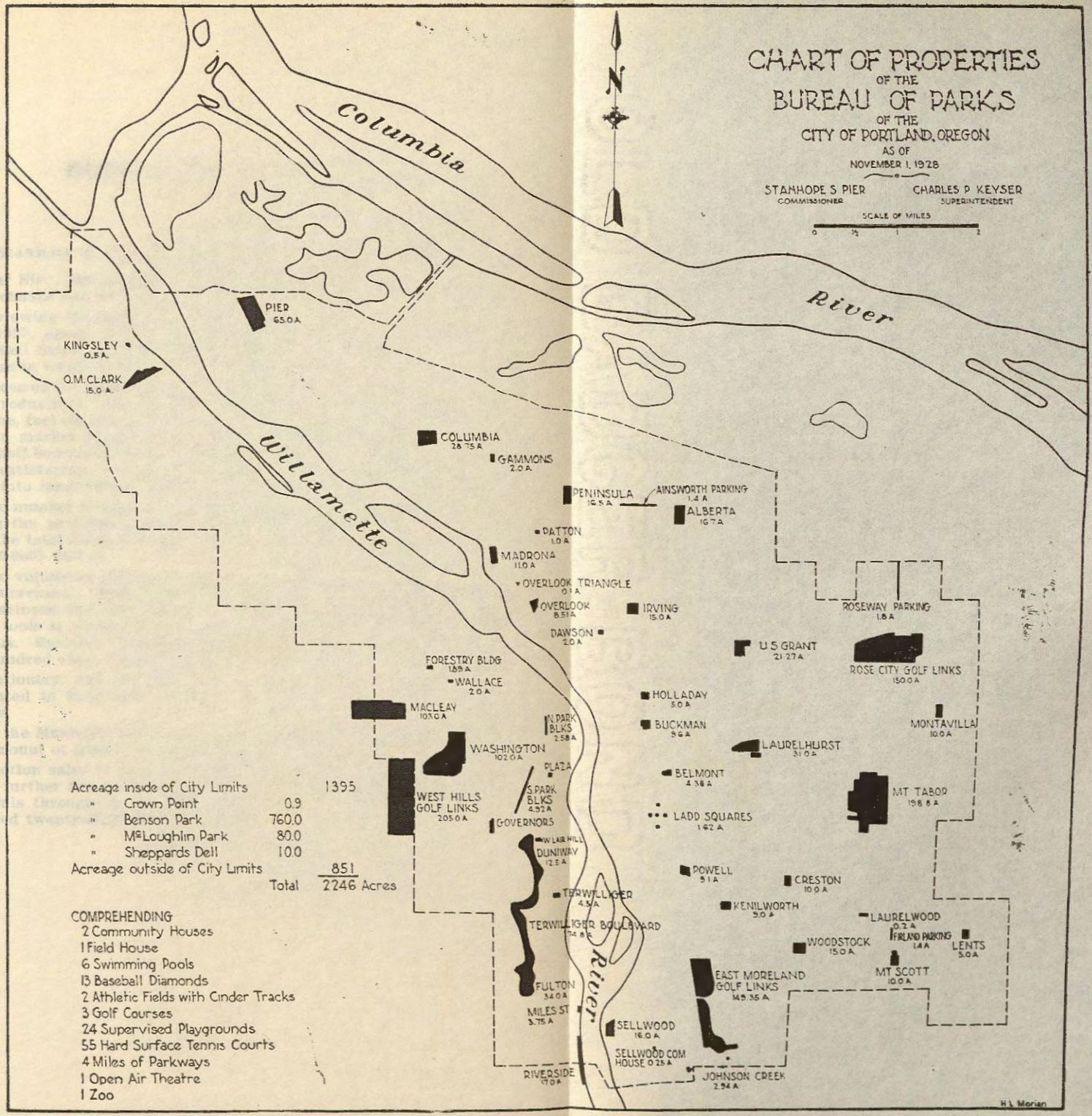
CHART OF PROPERTIES
OF THE
BUREAU OF PARKS
OF THE
CITY OF PORTLAND, OREGON
AS OF
NOVEMBER 1, 1928
STANHOPE S PIER
COMMISSIONER
CHARLES P KEYSER
SUPERINTENDENT
SCALE OF MILES
0 ½ 1 2
N
Columbia
River
Willamette
River
PIER 65.0 A
KINGSLEY 0.5 A.
O.M. CLARK 15.0 A.
COLUMBIA 28.75 A
GAMMONS 2.0 A.
PENINSULA 16.5 A
AINSWORTH PARKING 1.4 A
ALBERTA 16.7 A
PATTON 1.0 A
MADRONA 11.0 A
OVERLOOK TRIANGLE 0.1 A
OVERLOOK 8.57 A
IRVING 15.0 A
DAWSON 2.0 A
ROSEWAY PARKING 1.8 A
U.S. GRANT 21.27 A
ROSE CITY GOLF LINKS 150.0 A
FORESTRY BLDG 1.89 A
WALLACE 2.0 A
MACLEAY 103.0 A
HOLLADAY 5.0 A
N. PARK BLKS 2.58 A
BUCKMAN 9.6 A
MONTAVILLA 10.0 A
WASHINGTON 102.0 A
LAURELHURST 31.0 A
PLAZA
BELMONT 4.38 A
S. PARK BLKS 4.92 A
WEST HILLS GOLF LINKS 205.0 A
MT TABOR 198.8 A
GOVERNORS
LADD SQUARES 1.62 A
W. LAIR HILL
DUNIWAY 12.5 A
POWELL 5.1 A
CRESTON 10.0 A
TERWILLIGER 4.5 A
KENILWORTH 5.0 A
LAURELWOOD 0.2 A
TERWILLIGER BOULEVARD 174.8 A
WOODSTOCK 15.0 A
FIRLAND PARKING 1.4 A
LENTS 5.0 A
MT SCOTT 10.0 A
FULTON 3.4 0 A
EAST MORELAND GOLF LINKS 149.35 A
MILES ST 3.75 A
SELLWOOD 16.0 A
SELLWOOD COM HOUSE 0.25 A
RIVERSIDE 17.0 A
JOHNSON CREEK 2.94 A
Acreage inside of City Limits 1395
" Crown Point 0.9
" Benson Park 760.0
" McLoughlin Park 80.0
" Sheppards Dell 10.0
Acreage outside of City Limits 851
Total 2246 Acres
COMPREHENDING
2 Community Houses
1 Field House
6 Swimming Pools
13 Baseball Diamonds
2 Athletic Fields with Cinder Tracks
3 Golf Courses
24 Supervised Playgrounds
55 Hard Surface Tennis Courts
4 Miles of Parkways
1 Open Air Theatre
1 Zoo
H.L. Morian

BUREAU OF PURCHASES

Portland, Oregon, April 14, 1928.

HON. STANHOPE S. PIER, COMMISSIONER OF FINANCE:

Dear Sir: Herewith is submitted the annual report of the Bureau of Purchases and Stores for the fiscal year 1927.

Reviewing the activities of the Bureau of Purchases for the fiscal year 1927, along with the operations of its affiliated bureaus, the Municipal Store, Municipal Garage and Stationery Division, a marked increase in business is noted throughout.

Prices on the whole remained firm, though in some cases there were slight reductions. All annual contracts for staple commodities such as gasoline, fuel oil, cement, etc., carry a clause providing that in case of a drop in market prices of the commodity purchased the prices to the City shall be reduced in like proportion. This arrangement has proven quite satisfactory, on period contracts, and has enabled the City to enter into long-time agreements with security.

The number of purchase orders written in the Bureau of Purchases during the past fiscal year increased from 10,202 in 1926 to 11,140 in 1927, the total amonnt of expenditure beiug somewhat over two million ($2,000,000) dollars.

The volume of husiness transacted at the Municipal Store has likewise increased. There has been no change in the method of handling this business, over past years. A complete line of staple materials and small tools is carried in stock subject to requisition by the different bureaus. Business handled through tbe store during 1927 amounted to one hundred eight thousand ($108,000) dollars.

Stationery and printing sold through the Stationery Division amounted to forty-eight thousand six hundred twenty-four ($48,624) dollars.

At the Municipal Garage, gasoline, oils and incidentals were sold in the amount of fifteen thousand two hundred seventy ($15,270) dollars.

Auction sales of junk, confiscated automobiles, and other material of no further use to the City, were held by the Purchasing Agent at intervals throughout the year and netted the City five thousand six hundred twenty-eight ($5,628) dollars.

Respectfully submitted,

FRANK COFFINBERRY,
PURCHASING AGENT, CITY OF PORTLAND.

BUREAU OF LICENSES

ANNUAL REPORT FOR FISCAL YEAR ENDING NOVEMBER 30, 1927

This Bureau, working in close co-operation with other departments closely connected with license matters, has had a most successful year as a revenue producing bureau.

A total of 22,312 licenses were issued, with a gross revenue from "General" licenses of $145,420.41 and an additional income of $27,668.95 from "Dogs" licenses. This gave us a net increase of $9,918.54 over the year 1926. This is decidedly a larger increase than anticipated, as business conditions the last six months of the year were very unstable, compared to the year previous.

The allowing of an additional deputy to the Bureau gave us additional help which has been badly needed for several years and the efforts put forth by the additional man, coupled with the close application of all deputies, is reflected in the increased revenue for the year. So much additional regulation and investigation of license matters is demanded of the Bureau, that the entire personnel has been more than active in producing results. An additional deputy would, without doubt, permit even a better showing for the year 1928 and would more than pay his salary.

Several new classifications have been added and several more are contemplated, the new ones will offset any losses which may occur from adverse Court decisions now pending.

Respectfully submitted,

J. S. HUTCHINSON,
INSPECTOR OF LICENSES.

MUNICIPAL REFERENCE LIBRARY

HON. STANHOPE PIER, COMMISSIONER OF FINANCE.

I herewith submit my annual report for the library year from November 1, 1926, to November 1, 1927.

The yearly statistical report is also appended.

The library has had a successful year.

We have answered this year 1,025 questions made up of 609 research questions and 416 other inquiries.

We have had a total circulation this year of 30,340 made up of 19,460 books and pamphlets and 10,880 periodicals. This material is technical in character.

The Municipal Reference Library has furnished books, pamphlets and information, and has compiled statistics, bibliographical and other material for citizens, all officials of sister cities and of Portland.

We have done considerable work with candidates taking the City's civil service examinations. This year, in addition to the work with high school students on debates and themes, we have furnished material and assistance to the students registering with the City Planning Commission for their prize essays on a city planning contest.

We filled out questionnaires from outside cities and complied several valuable questionnaires from other municipal reference libraries. Usually our compilations are available with each other.

This year, we have had quite a number of students from Reed College working in the library. Prof. McKinley of Reed College gave the library a copy of the State Simplification Commission report on the Metropolitan Government of Portland, on account of services rendered him.

We compiled a list of city officials of all cities of over 100,000 population in the United States. This is for use in the City Hall.

We have had the usual correspondence with other municipal reference libraries including the new one in Los Angeles, and have worked with all departments of the City including the Municipal Court Judges.

Respectfully submitted,

CAROLINE L. B. SIGRIST,
MUNICIPAL REFERENCE LIBRARIAN.

MUNICIPAL REFERENCE LIBRARY—STATISTICS FOR YEAR ENDING OCTOBER 31, 1927

Attendance	5,402
Questions—	
Research	609
Other	416
Total	1,025
Circulation: 100s, 300s, 500s, 600s, 700s, 800s, 900s	19,460
Periodicals: 000s, 300s, 600s	10,810
Total	30,270
Total for year	30,270
Letters—	
Received	981
Sent	1,226
Total	2,207
Telephone calls (outside)	892
Notices (outside)	201
Responses	128
Index cards made	191
Catalog cards made	992
Total	1,183
Number of accessions	1,078
Total number of books and pamphlets listed	16,891
Total number of books deducting discards	15,640
Number of periodicals including health bulletins	121
Number of volumes from main library on deposit	1,607

ANNUAL REPORT

OF

THE DEPARTMENT OF PUBLIC AFFAIRS

FOR THE FISCAL YEAR ENDING
NOVEMBER 30, 1927

DEPARTMENT OF PUBLIC AFFAIRS

C. A. BIGELOW
COMMISSIONER

BUREAU OF FIRE—
LEE G. HOLDEN, Chief Engineer

BUREAU OF GARBAGE DISPOSAL—
WILLIAM G. HELBER, Superintendent

BUREAU OF STREET CLEANING—
GEO. A. RIES, Superintendent

MUNICIPAL SHOP—
W. J. PHILLIPS, Master Mechanic

CARROLL PUBLIC MARKET—
J. A. EASTMAN, Market Master

PUBLIC EMPLOYMENT BUREAU—
A. W. JONES, Director

BUREAU OF FIRE

Portland, Oregon, November 31, 1927.

C. A. BIGELOW, COMMISSIONER OF PUBLIC AFFAIRS:

Dear Sir: I submit to your Honor, the forty-fourth Annual Report of the Bureau of Fire, stating in detail the activities occurring during the fiscal year.

Three fire stations were replaced with new buildings, namely, Engine 7, 15 and 31. The location of Engine 7 and Truck 4 was changed from East Third and East Pine Streets to East Eleventh and Stark Streets, where a modern two-story brick building was erected, suitable for housing an engine company, truck company, squad company, chemical company and Battalion Chief's headquarters. Engine 15 and 31 were replaced with modern type brick bungalow houses.

The building of the three gas propelled fireboats has been under way, one of them being completed and placed in service while the other two are nearing completion.

The purchase of a Studebaker chassis and necessary equipment for a squad wagon upon which I designed a body built by the Municipal Shop.

The purchase of an Ahrens-Fox tractor and installing same on Truck 1.

Trading in two old touring cars on two Master Six Buick cars for Battalion Chiefs, it being desirable that all Chiefs drive large, heavy cars.

From August 4th to August 12th, inclusive, the three combined Fire Chiefs' conventions were held in Portland, namely, International, Pacific Coast and Oregon State. In order to make the conventions a success it was necessary that a large sum of money be raised by subscription or otherwise, and the Chamber of Commerce, business men and people of this City responded very generously in giving their money and supporting the department in every possible way.

Having the conventions jointly, brought Fire Chiefs from all parts of the United States and Canada, also giving members of the Pacific Coast and Oregon State an opportunity to attend. Consequently many benefits were derived, especially from an educational standpoint and advertising Portland in general.

From the various opinions expressed by the visiting Chiefs, this was the greatest Fire Chiefs' convention ever held and all departed having had a wonderful time after enjoying a week of Portland hospitality.

Respectfully submitted,

L. G. HOLDEN,
CHIEF ENGINEER.

EXECUTIVE OFFICERS, BUREAU OF FIRE, NOVEMBER 30, 1927

LEE G. HOLDEN, Chief Engineer
EDWARD GRENFELL, First Assistant Chief Engineer
JAMES DILLANE, Second Assistant Chief Engineer
(District No. 2—West Side, North of Morrison Street)
W. D. HEATH, Battalion Chief
(District No. 1—West Side, South of Morrison Street)
HARRY C. JOHNSON, Battalion Chief
(District No. 4—East Side, South of East Ankeny Street)
FRED W. ROBERTS, Battalion Chief
(District No. 3—East Side, North of East Ankeny Street)
H. F. BAHLMAN, Chief Clerk
CHAS. A. SAVARIAU, Superintendent Fire Alarm Telegraph
W. J. PHILLIPS, Master Mechanic

ORGANIZATION OF BUREAU OF FIRE FOR YEAR ENDING NOVEMBER 30, 1927

Chief Engineer	1	Blacksmith	1
First Assistant Chief Engineer.	1	Supply Driver	1
Second Assistant Chief Engineer	1	Hydrant Inspector	1
Battalion Chiefs	3	Hydrant Repair Man	1
Chief Clerk	1	Fire Boat Masters	2
Stenographer	1	Fire Boat Pilots	2
Superintendent of Fire Alarm Telegraph	1	Captains, Senior	36
Chief Operator	1	Captains, Junior	49
Operators	6	Engineers	28
Master Mechanic	1	Assistant Engineers	28
Hydrantman	1	Hosemen	319
Instrument Maker	1	Total employes	490

BUREAU OF FIRE EQUIPMENT, NOVEMBER 30, 1927

Houses, single	27
Houses, double	7
Houses, not occupied as fire stations	3
Fire boats	2
Tractor-drawn steamer	1
Squad wagon	1
Turret and hose	2
Turret-hose and chemical	3
Straight hose	1
Hose and chemical	12
Hose and pumper	13
Hose, pump and chemical	6
Straight chemical	2
85-foot aerial truck	3
City service truck	3
Three-ton supply truck	1
One-ton hydrant truck	1
Fire alarm and police telegraph truck	1
Roadster	1
Five-passenger touring	9
Seven-passenger touring	2
Emergency steamers	13
Hose, all sizes, number feet	98,900
Hydrants	6,275
Cisterns	79
Fire alarm boxes	543
Auxiliary volunteer fire companies' reels	5
Village trucks	2
Forty-gallon chemical	1

RETIRED AND PENSIONED, BUREAU OF FIRE, NOVEMBER 30, 1927

Name	Rank	Date Retired
A. W. Dolson	Captain	July 9, 1918
B. F. Dowell	Chief Engineer	Sept. 1, 1920
L. N. Riley	Captain	April 26, 1921
D. L. Penney	Hoseman	May 15, 1921
C. F. Neale	Captain	Dec. 1, 1921
J. B. Simpson	Captain	Dec. 1, 1921
J. E. Young	Chief Engineer	July 1, 1923
T. J. Petersen	Hoseman	Oct. 1, 1923
C. W. Pierce	Hoseman	Nov. 1, 1923
James S. Freeman	Hoseman	Aug. 1, 1924
Ed. McDonald	Hoseman	Sept. 1, 1924
J. G. Stevens	Captain	Dec. 10, 1925

Name	Rank	Date Pensioned
H. H. Beaumont	Engineer	Nov. 1, 1920
T. C. Smith	Engineer	April 4, 1917
F. O. Johnson	Hoseman	June 1, 1917
J. H. Bateman	Hoseman	April 21, 1920
C. O. Williams	Engineer	July 1, 1921
H. Wright	Hoseman	Jan. 21, 1922
Joe Wynett	Hoseman	April 30, 1922
F. E. Bailey	Lineman	Oct. 3, 1922
George Ritches	Hoseman	Oct. 9, 1922
A. W. Gates	Master	June 6, 1923
F. L. Jaques	Hoseman	May 19, 1923
W. J. Tolson	Hoseman	Feb. 14, 1924
John M. Wise	Hoseman	Dec. 1, 1926

PENSION BENEFICIARIES NOVEMBER 30, 1927

Gladdis E. Erickson, Guardian of Bertha and May Gustafson	Children	E. G. Gustafson
Mrs. L. P. Brown	Widow	L. P. Brown
Mrs. Gertrude Antonisen	Widow	E. Antonisen
Mrs. A. A. McKenzie	Widow	A. A. McKenzie
Mrs. Alice M. Viaene	Widow	A. L. Viaene
Mrs. Marie Cunningham	Widow	A. B. Cunningham
Mrs. Hattie Lintner	Mother	B. J. Linter
Mrs. Fred B. May	Widow	Fred B. May
Mrs. Mary E. Tooley	Widow	E. E. Tooley
Mrs. Etta M. Gunster	Widow	Karl Gunster
Mrs. O. Lehman	Widow	O. L. Lehman
Mrs. M. W. Weidler	Widow	M. W. Weidler
Mrs. A. L. McMartin	Widow	A. L. McMartin
Mrs. J. S. Baldwin	Widow	J. S. Baldwin
Mrs. O. B. Gabriel	Widow	O. B. Gabriel
Mrs. H. E. Chandler	Widow	O. E. Chandler
Mrs. Grace Rittenour	Widow	F. H. Rittenour
Mrs. M. Laudenklos	Widow	M. Laudenklos
Mrs. Etta Wefel	Widow	A. W. Wefel
Mrs. A. F. Reeves	Widow	A. F. Reeves
Dora Dell Slaughterback	Widow	W. Slaughterback
Helen Burgess	Widow	John E. Burgess
Letty L. Olsen	Widow	A. C. Olsen
Rowena B. Wilbur	Widow	William E. Wilbur
Doris B. Oberg	Widow	Carroll W. Oberg
Mary Tannler, Guardian of William L. and Lorraine M. Jaques	Children	William E. Jaques
Mrs. Velma A. Phillips	Widow	O. R. Phillips
Elizabeth M. Kieling	Widow	C. F. Kieling

In Memoriam

O. R. PHILLIPS

Junior Engineer, Fireboat No. 2.

Appointed, June 10, 1920.

Died, June 29, 1927.

Cause of death, hemorrhage from tonsil operation.

W. E. CHUCK

Hoseman, Truck Co. No. 2.

Appointed, November 1, 1919.

Died, July 11, 1927.

Cause of death, acute indigestion and heart trouble.

C. F. KIELING

Hoseman, Truck Co. No. 3.

Appointed, November 1, 1919.

Died, October 8, 1927.

Cause of death, broncho asthma.

LOCATION OF HOUSES OCCUPIED AS FIRE STATIONS

Fire Boat No. 1 (Geo. H. Williams)	Foot of East Washington Street
Fire Boat No. 2 (David Campbell)	Foot of Albina Avenue
Engine Co. No. 1	201-3 Fourth Street
Engine Co. No. 2	126 North Third Street
Engine Co. No. 3	511 Glisan Street
Engine Co. No. 4	370 Fourth Street
Engine Co. No. 5	811 Front Street
Engine Co. No. 6	Twenty-third and Reed Streets
Engine Co. No. 7	East Eleventh and East Stark
Engine Co. No. 8	303 Russell Street
Engine Co. No. 9	162 East Thirty-fifth Street
Engine Co. No. 10	1344 Kelley Street
Engine Co. No. 12	63 East Twenty-eighth Street North
Engine Co. No. 13	261 Grand Avenue North
Engine Co. No. 14	1027 Union Avenue North
Engine Co. No. 15	590 Spring Street
Engine Co. No. 16	494 Montgomery Street
Engine Co. No. 17	188 North Twenty-fourth Street
Engine Co. No. 18	448 East Twenty-fourth Street N.
Engine Co. No. 19	1597 East Stark Street
Engine Co. No. 20	1660 East Thirteenth Street
Engine Co. No. 21	69 Second Street
Engine Co. No. 22	273 First Street
Engine Co. No. 23	367 East Seventh Street
Engine Co. No. 24	1126 Patton Avenue
Engine Co. No. 25	1000 Francis Avenue
Engine Co. No. 26	329 North Twentieth Street
Engine Co. No. 27	30 East Eighty-second Street North
Engine Co. No. 28	1494 Sandy Boulevard
Engine Co. No. 29	426 Durham Avenue
Engine Co. No. 30	1711 Brandon Street
Engine Co. No. 31	4536 Sixty-seventh Street Southeast
Engine Co. No. 32	215 Philadelphia Street
Engine Co. No. 33	First and D Streets, Linnton
Truck Co. No. 1	201-3 Fourth Street
Truck Co. No. 2	370 Fourth Street
Truck Co. No. 3	511 Glisan Street
Truck Co. No. 4	East Eleventh and East Stark
Truck Co. No. 5	303 Russell Street
Chemical Co. No. 1	69 Second Street

AUXILIARY FIRE STATIONS

Engine Co. No. 33 (Old)	859 Mississippi Ave.
Supply House	227 Union Ave. N.
Lents Volunteer Hose Company	58th Ave. and 93rd St.
Tremont Volunteer Hose Company	59th Ave. and 72nd St.
Woodstock Volunteer Hose Company	4228 60th Ave. S. E.
Arbor Lodge Volunteer Hose Company	287 W. Portland Blvd.

LIST OF REAL ESTATE AND BUILDINGS HELD IN TRUST BY THE BUREAU OF FIRE (WITH ESTIMATED VALUE OF SAME) NOVEMBER 30, 1927

Name of Property (or other identification)	Location of Property	Present Use of Property
Fire Boat House and Dock	Foot of E. Washington St.	Fire Dept. Purposes
Fire Boat House and Dock	Foot of Albina Ave.	Fire Dept. Purposes
Portland, Lot 6, Block 50	168-170 Fourth St.	(Engine 1, Truck 1)*
Portland, Lot 1, Block 59	201-3 Fourth St.	Engine 1, Truck 1
Couch, E. N. Tax Lot 2	126 North Third St.	Engine 2
Portland, Lot 6, D. 143	370 Fourth St.	Engine 4, Truck 2
Caruthers, Lot 2, Block 128	811 Front St.	Engine 5
Sherlocks Addition, Lot 1, Block 22	Twenty-third and Reed	Engine 6
East Portand, Lot 8, Block 221	S. W. corner East Eleventh and Stark Sts.	Engine 7, Truck 4
Albina, Lot 20, Block 26	303 Russell St.	Engine 8, Truck 5
Sunnyside, Lot 6, Block 20	162 East Thirty-fifth St.	Engine 9
Green's Addition, Lot 9, Block 6	1344 Kelley St.	Engine 10
1S, 1E, Tax Lot 24, Sec. 11	545 Powell	Brooklyn Library
Wynkoop, Lot 4, Block 5	63 East Twenty-eighth St. N.	Engine 12
Holladay Addition, Lot 5, Block 71	261 Grand Ave.	Engine 13
Maegly Highland, Lot 6, Block 5	1027 Union Ave.	Engine 14
Grever's Addition, Lot 5, Block 104	590 Spring St.	Engine 15
B. E½ Z, Lots 6 and 8	494 Montgomery	Auxiliary 16
Kings Second Addition, Lot 16, Block 3	188 North Twenty-fourth St.	Engine 17
East Irvington, Lots 14 and 15, Block 1	448 East Twenty-fourth St. N.	Engine 18
Ramona, S. 100 ft. of E. 100 ft. Lot 1, Block 2	1597 East Stark St.	Engine 19
Sellwood, Lots 12 and 13, Block 57	1660 East Thirteenth St.	Engine 20
Portland, N½ Lot 3, Block 30	69 Second St.	Engine 21, Chemical 1
Portland, N½ Lot 4, Block 9	273 First St.	Engine 22
Stevens Addition, S½ Lot 7, Block 76	367 East Seventh St.	Engine 23
Patton Tract, N. W. 100x100 ft. of S½ Block "B"	1126 Patton Ave.	Engine 24
Kenilworth, Lots 1 and 2, Block 10	1000 Francis Ave.	Engine 25
Couch Addition, Lot 2, Block 291	329 Twentieth St. N.	Engine 26
Terrace Park, Lots 1 and 2, Block 11	30 East Eighty-second St. N.	Engine 27
Rose City Park, Lots 1 and 2, Block 77	1494 Sandy Road	Engine 28
Woodlawn Triangle, N. of Block 9 (25-year agreement)	426 Durham Ave.	Engine 29

*Discontinued.

LIST OF REAL ESTATE AND BUILDINGS HELD IN TRUST BY THE BUREAU OF FIRE (WITH ESTIMATED VALUE OF SAME) NOVEMBER 30, 1927—Continued

Name of Property (or other identification)	Location of Property	Present Use of Property
Kenton, Lots 33, 34 and 35, Block 38	1711 Brandon St.	Engine 30
Kern Park, Lots 8 and 9, Block 11	4536 Sixty-seventh St. S. E.	Engine 31
James John Addition, etc., Block "B"	215 Philadelphia St.	Engine 32
Linnton, Lots 5 and 6, Block 46	Linnton, First and D Sts.	Engine 33
Multnomah, Lot 13, Block 14	359 Mississippi Ave.	Auxiliary
Couch Addition, E½ Lots 2 and 3, Block 99	511 Glisan St.	Truck 3, Engine 3
Holladay Addition, N½ of E½ Lot 6, Block 47	227 Union Ave. N.	Supply House
Frush Sq. N½ Lots 13, 14, 15, 16, Block 3	40 East Third St.	Engine 7, Truck 4
Proebstel's Addition, Lot 11, Block 10	W. S. Borthwick between Knott and Graham.	
Albina Homestead, Lot 14, Block 29	E. S. Vancouver Ave. bet. Failing and Beech.	
Sunnyside, Lots 12 and 13, S½ Block 29	N. W. cor. E. Taylor and E. Thirty-fourth Sts.	
Richmond, Lots 7-9, Block 2	S. S. Division between 39th and 41st Sts.	
Willamette Addition, Lots 1, 2, 3, 4, Block 15	S. E. Cor. Alberta and E. 35th Sts.	
Woodstock, N½ Lot 1, Block 30	S. W. cor. 59th Ave. and E. 43rd St. S. E.	
Scenic Place, E½ Lot 13, all Lot 28, Block 5	N. S. Lombard St. bet. Fowler and Washburne	
1N-1E Tax Lot 26, Sec. 28	Essex St.	
Parcel of Land	S. W. cor. Ella and Morrison Sts.	

LIST OF REAL ESTATE AND BUILDINGS HELD IN TRUST BY THE BUREAU OF FIRE (WITH ESTIMATED VALUE OF SAME) NOVEMBER 30, 1927.

Name of Property (or other Identification)	Size of Lot	Design of Building	Approx. Cost of Building	Approx. Value of Land
Foot of E. Washington St.	60x300	1 Story C.	$ 31,000.00	$ 29,600.00
Sec. 27, 1N 1E—Tax Lot 27	.....	1 Story C.	32,500.00	25,000.00
Portland, L. 6, B. 50	50x100	2 Story B.	7,000.00	99,000.00
Portland, L. 1, B. 59	50x100	3 Story B.	50,000.00	48,000.00
Couch, B. N. Tax Lot 2	50x 88	2 Story B.	14,000.00	13,000.00
Portland, L. 6, B. 143	50x100	2 Story B.	15,000.00	6,135.00
Caruthers, L. 2, B. 128	50x100	1 Story B.	11,000.00	2,870.00
Sherlock's Add., L. 1, B. 22	50x100	1 Story B.	11,000.00	3,470.00
E. Portland, L. 8, B. 221	100x100	2 Story B.	35,000.00	8,500.00
Albina, L. 20, B. 26	50x145	2 Story B.	15,000.00	3,335.00
Sunnyside, L. 6, B. 20	33 1/3x100	2 Story B.	15,000.00	1,935.00
Green'd Add., L. 9, B. 6	60.65x100	1 Story B.	12,500.00	500.00
1S 1E, Sec. 11, Tax Lot 24	50x100	2 Story F.	3,000.00	640.00
Wynkoop, L. 4, B. 5	50x100	1 Story B.	11,000.00	1,300.00
Holladay Add., L. 5, B. 71	50x100	2 Story F.	7,200.00	3,335.00
Maegley Highland, L. 6, B. 5	50x100	1 Story B.	11,000.00	2,535.00
Grover's Add., L. 5, B. 104	50x100	2 Story F.	7,000.00	2,650.00
E ½ Z, L. 7-10	80x100	2 Story B.	14,000.00	7,735.00
Kings 2nd Add., L. 16, B. 3	50x100	2 Story B.	12,000.00	4,800.00
Irvington E., L. 14-15, B. 1	100x100	1 Story B.	7,000.00	2,700.00
Ramona, S. 100′ of E. 100′ L. 1, B. 2	100x100	2 Story F.	9,000.00	1,500.00
Sellwood, L. 12, 13, B. 57	100x100	2 Story F.	11,000.00	2,100.00
Portland, N. ½ L. 3, B. 30	25x100	2 Story B.	16,000.00	11,335.00
Portland, N. ½ L. 4, B. 9	25x100	2 Story B.	15,000.00	10,700.00
Stephens Add, S ½ L. 7, B. 76	25x100	2 Story B.	7,000.00	750.00
Patton Tract, N.W. 100′x100′ of S ½ B. "B"	100x100	2 Story B.	15,000.00	6,775.00
Kenilworth, L. 1-2, B. 10	100x100	2 Story B.	16,000.00	1,135.00
Couch Add., L. 2, B. 291	50x100	2 Sty. F&S	2,400.00	3,335.00
Terrace Pk., L. 1-2, B. 11	100x100	2 Story B.	8,400.00	550.00
Rose City, L. 1-2, B. 77	100x100	2 Story B.	8,000.00	1,470.00
Woodlawn, Triangle N. of B. 9 (25-year agreement)	.....	2 Story B.	8,000.00	.....
Kenton, L. 33-34-35, B. 38	100x100	2 Story B.	8,000.00	735.00
Kern Park, L. 8-9, B. 11	100x100	2 Story F.	2,880.00	935.00
James John Add., etc., B. "B"	235x130	2 Story B.	5,000.00	2,250.00
Linnton, L. 5-6, B. 46	25x100	2 Story F.	750.00	540.00
Multnomah, L. 13, B. 14	50x100	2 Story F.	800.00	2,000.00
Couch Add., E. ½ L. 2-3, B. 99	50x100	2 Story B.	12,500.00	8,670.00
Holladay Add., N ½ L. 6, B. 47	25x 50	2 Story F.	1,800.00	1,335.00
Proebstel Add., L. 11, B. 10	50x100	.....	.....	840.00
Albina Homestead, L. 14, B. 29	50x100	.....	.....	1,000.00
Frush Sq., N. ½ 13, 14, 15, 16	50x100	2 Story B.	8,000.00	6,000.00
Sunnyside, L. 12-13, S. ½ 14, B. 29	7250 sq. ft.	.....	.....	2,235.00
Richmond, L. 7, B. 2	100x100	.....	.....	1,400.00
Willamette Add., L. 1-2-3-4, B. 15	100x100	.....	.....	870.00
Woodstock, N. ½ L. 1, B. 30	50x100	.....	.....	370.00
Scenic Place, E. ½ 13, all 28, B. 5	Irreg. Tr.	.....	.....	630.00
Sec. 28, 1 N 1 E, Tax Lot 26	0.35 Acres	.....	.....	4,000.00
S. W. cor. Ella and Morrison (Tax Lot 37, Sec. 33, 1 N, 1 E	45x104	.....	.....	18,000.00

NUMBER OF AUTOMOBILES IN THE BUREAU OF FIRE NOVEMBER 30, 1927

Apparatus	Location	Kind	Make
1	Engine 25	H. & C	A. L. F.
2	Extra	H. & C	A. L. F.
4	Squad 1	Squad	A. L. F.
5	Chemical 2	Chemical	A. L. F.
6	Engine 18	H. & C	A. L. F.
7	Engine 5	Turret and Chemical	A. L. F.
9	Engine 20	H. & P	A. L. F.
10	Engine 26	Turret and Chemical	A. L. F.
12	Engine 12	H. & C	A. L. F.
13	Truck 1	Aerial Ladder	A. L. F.
14	Extra	H. & C	Pope
15	F. B. 2	Turrett	Velie
17	Engine 14	H. & P	A. L. F.
18	Engine 28	H. & C	Seldon
19	Supply	Truck	White.
20	Chemical 1	Chemical	White
21	Trnck 5	Truck and Chemical	Seagrave
22	Truck 2	Aerial Ladder	A. L. F.
23	Woodstock	H. & C	White
24	Extra Truck	Truck and Chemical	A. L. F.
25	Engine 2	H. T. & C	A. L. F.
26	Engine 2	Tractor	A. L. F.
27	Hydrant	Truck	Yellow Knight
28	Engine 24	H. & P	A. L. F.
29	Engine 10	H. & P	A. L. F.
30	Engine 7	H. & P	A. L. F.
31	Engine 16	H. & P	A. L. F.
32	Engine 8	H. & P	A. L. F.
33	Engine 6	H. & P	A. L. F.
34	F. A. T	Truck	Oldsmobile
35	F. B. 1	Turret and Hose	Gary
36	Engine 27	H. & C	Gary
37	Engine 31	H. & C	Gary
38	Engine 30	H. & C	Gary
39	Engine 29	H. & C	Gary
40	Engine 33	H. & C	Gary
41	Engine 23	H. & C	A. L. F.
42	Engine 32	T. C. P	A. L. F.
43	Engine 17	T. C. P	A. L. F.
44	Engine 9	T. C. P	A. L. F.
45	Truck 3	T. C. P	A. L. F.
46	Engine 19	Aerial Ladder	Gary
47	Engine 15	Hose Wagon	A. L. F.
48	Engine 13	T. C. P	Stutz
49	Truck 4	T. C. P	Seagrave
50	Engine 3	Truck and Chemical	A. L. F.
51	Engine 22	H. & P	A. L. F.
52	Engine 21	H. & P	A. L. F.
53	Engine 4	H. & P	A. L. F.
54	Engine 1	H. & P	A. L. F.
35	F. B. 1	H. & P	A. L. F.
15	F. B. 2	Turrett	Gary
4	Squad 1	Turrett	Velie
54	Engine 1	Squad	A. L. F.
25	Engine 2	H. & P	A. L. F.
26	Engine 2	Turrett	A. L. F.
50	Engine 3	Tractor	A. L. F.
53	Engine 4	H. & P	A. L. F.
7	Engine 5	H. & P	A. L. F.
33	Engine 6	Turrett, Hose and Chemical	A. L. F.
30	Engine 7	H. & P	A. L. F.
32	Engine 8	H. & P	A. L. F.
44	Engine 9	H. & P	A. L. F.
29	Engine 10	T. C. P	A. L. F.
		H. & P	A. L. F.

NUMBER OF AUTOMOBILES IN THE BUREAU OF FIRE NOVEMBER 30, 1927—Continued

Apparatus	Location	Kind	Make
12	Engine 12	H. & C	A. L. F.
48	Engine 13	T. C. P	Stutz
17	Engine 14	H. & P	A. L. F.
47	Engine 15	T. C. P	A. L. F.
31	Engine 16	H. & P	A. L. F.
43	Engine 17	T. C. P	A. L. F.
6	Engine 18	H. & C	Gary
46	Engine 19	Hose	A. L. F.
9	Engine 20	H. & P	A. L. F.
52	Engine 21	H. & P	A. L. F.
51	Engine 22	H. & P	A. L. F.
41	Engine 23	T. C. P	A. L. F.
28	Engine 24	H. & P	A. L. F.
1	Engine 25	H. & C	A. L. F.
10	Engine 26	H. T. & C	Gary
36	Engine 27	H. & C	Seldon
18	Engine 28	H. & C	Gary
39	Engine 29	H. & C	Gary
38	Engine 30	H. & C	Gary
37	Engine 31	H. & C	A. L. F.
42	Engine 32	T. C. P	Gary
40	Engine 33	H. & C	White
23	Woodstock	H. & C	A. L. F.
55	Truck 1	Aerial Ladder	A. L. F.
22	Truck 2	Aerial Ladder	A. L. F.
45	Truck 3	Aerial Ladder	Seagrave
49	Truck 4	City Service	Seagrave
21	Truck 5	City Service	White
20	Chemical 1	Str. Chemical	A. L. F.
5	Chemical 2	Str. Chemical	A. L. F.
2	Extra Hose	Hose and Chemical	Pope
14	Extra Hose	Hose and Chemical	A. L. F.
24	Extra Truck	Trnck and Chemical	White
19	Supply	Trnck	Yellow-Knight
.....	Hydrant	Truck	Olds
.....	F. A. T	Truck	

LOCATION OF AUTOMOBILES IN THE BUREAU OF FIRE NOVEMBER 30, 1927

Apparatns	Location	Kind	Make
C-2	Fire Prevention Inspector	5-Passenger Touring	Jewett
C-3	F. W. Roberts	5-Passenger Touring	Nash
C-4	H. C. Johnson	5-Passenger Touring	Nash
C-5	L. G. Holden	7-Passenger Touring	Studebaker
C-6	James Dillane	7-Passenger Touring	Studebaker
C-7	Edw. Grenfell	5-Passenger Touring	Buick
C-8	W. D. Heath	5-Passenger Touring	Buick
A-4b	Extra	5-Passenger Touring	Oldsmobile
A-5b	Fire Prevention Investigator	Roadster	Durant
A-7b	Trouble Shooting	5-Passenger Touring	Ford
A-12	Hydrant Inspector	5-Passenger Touring	Chevrolet
A-13	C. A. Savariau		Oakland
C-1	Sold in trade on Buick C-7—1927.		
A-3	Sold in trade on Buick C-8—1927.		
App. 13	Tractor condemned—Replaced with Tractor No. 55—1927.		

MOTOR EQUIPMENT AND LOCATION, NOVEMBER 30, 1927

Company	P. F. D.	Make	Reg. No.	Motor	Type
L. G. Holden	C-5	Studebaker	2064084	5324	7-passenger touring
Edw. Grenfell	C-7	Buick	F-1714201	1770573	5-passenger touring
James Dillane	C-6	Studebaker	2074642	15061	7-passenger phaeton
W. D. Heath	C-8	Buick	F-1714139	1770375	5-passenger touring
H. C. Johnson	C-4	Nash	293584	180128	5-passenger touring
F. W. Roberts	C-3	Nash	293517	180318	5-passenger touring
Fire prevention inspector	C-2	Jewett	58327	58917	5-passenger touring
Trouble shooting	A-7b	Ford	.....	14014101	Roadster
Hydrant inspector	A-12	Chevrolet	6B54173	U-4261	5-passenger touring
Fire prevention investigator	A-5b	Durant	C-3683	117239	5-passenger touring
C. A. Savariau	A-13	Oakland	10563	L-10685	5-passenger touring
Extra	B-4	Oldsmobile	18696	B-22901	5-passenger touring
Engine 1	Ap-54	American La France	5065	14	H. & P.
Engine 2	Ap-25	American La France	1323	647	H. & C.
Engine 2	Ap-26	American La France	1339	646	Tractor
Engine 3	Ap-50	American La France	4478	2788	H. & P.
Engine 4	Ap-53	American La France	4637	2902	H. & P.
Engine 5	Ap- 7	American La France	267	169	H-C & turret
Engine 6	Ap-33	American La France	1952	964	H. & P.
Engine 7	Ap-30	American La France	1950	962	H. & P.
Engine 8	Ap-32	American La France	1951	659	H. & P.
Engine 9	Ap-44	American La France	2818	1541	Triple
Engine 10	Ap-29	American La France	1953	967	H. & P.
Engine 12	Ap-12	American La France	269	217	H. & C.
Engine 13	Ap-48	Stutz	1985	225-M	Triple
Engine 14	Ap-17	American La France	409	.....	H. & P.
Engine 15	Ap-47	American La France	3654	2086	Triple
Engine 16	Ap-31	American La France	1954	965	H. & P.
Engine 17	Ap-43	American La France	2817	1555	Triple
Engine 18	Ap- 6	American La France	265	204	H. & C.
Engine 19	Ap-46	Gary	GT-6075	77367	Hose
Engine 20	Ap- 9	American La France	271	62	H. & P.
Engine 21	Ap-52	American La France	4636	2906	H. & P.

MOTOR EQUIPMENT AND LOCATION, NOVEMBER 30, 1927—Continued

Company	P. F. D.	Make	Reg. No.	Motor	Type
Engine 22	Ap-51	American La France	4479	2787	H. & P.
Engine 23	Ap-41	American La France	2815	1540	Triple
Engine 24	Ap-28	American La France	1955	966	H. & P.
Engine 25	Ap- 1	American La France	13	10	H. & C.
Engine 26	Ap-10	American La France	268	215	H. & C. turret
Engine 27	Ap-36	Gary	GT-6033	76191	H. & C.
Engine 28	Ap-18	Seldon	Rebuilt	.....	H. & C.
Engine 29	Ap-39	Gary	GT-6034	75907	H. & C.
Engine 30	Ap-38	Gary	GT-6032	74789	H. & C.
Engine 31	Ap-37	Gary	GT-6029	75432	H. & C.
Engine 32	Ap-42	American La France	2816	1539	Triple
Engine 33	Ap-40	Gary	GT-6030	75938	H. & C.
Woodstock	Ap-23	White	.....	2461	H. & C.
Truck 1	Ap-55	Ahrens Fox	745	1015-2442	85' Aerial Tractor
Truck 2	Ap-22	American La France	Aer. 150	.....	85' Aerial
Truck 3	Ap-45	American La France	965	437	85' Aerial
Truck 4	Ap-49	Seagrave	3406	1959	City service T. & C.
Truck 5	Ap-21	Seagrave	33480	1647	City service T. & C.
Extra truck	Ap-24	American La France	13888	560	City service T. & C.
Chemical 1	Ap-20	White	869	474	Chemical
Chemical 2	Ap- 5	American La France	23990	.....	Chemical
Squad 1	Ap- 4	American La France	264	203	Squad
Fireboat 1	Ap-35	Gary	266	206	Turret & hose
Fireboat 2	Ap-15	Velie	GT-6031	75655	Turret & hose
Supply	Ap-19	White	2084	6718	Truck
Hydrant	Ap-27-B	Yellow Knight	T A D	20786	Truck
F. A. T.	Ap-34	Oldsmobile	T-260270	51775	Truck
Extra	Ap- 2	American La France	17059	B-20914	H. & C.
Extra	Ap-14	Pope	14	12	H. & C.
			B-4	101	

MOTOR EQUIPMENT AND LOCATION, NOVEMBER 30, 1927—Continued

Company	In Service	Price	Agency
L. G. Holden	3-28-25	$ 2,190.00	John K. Leander
Edw. Grenfell	2-11-27	1,775.00	Howard Auto Co.
James Dillane	2-22-26	2,400.00	John K. Leander
W. D. Heath	2-11-27	1,775.00	Howard Auto Co.
H. C. Johnson	1-23-25	1,717.50	Wentworth & Irwin
F. W. Roberts	1-23-25	1,082.50	Wentworth & Irwin
Fire prevention inspector	10-23-23	1270.00	Cook & Gill Co.
Trouble shooting	9-11-26	415.00	Wm. L. Hughson
Hydrant inspector	3-10-24	475.00	Fileds Motor Car Co.
Fire prevention investigator	7-10-23	595.00	Durant-Stevens Co.
C. A. Savariau	2-14-24	957.50	N. W. Oakland Co.
Engine 1	7-31-25	12,400.00	A. G. Long Co.
Engine 2	12-26-16	5,577.50	A. G. Long Co.
Engine 2	1-24-17	4,219.50	A. G. Long Co.
Engine 3	2-11-24	12,575.00	A. G. Long Co.
Engine 4	5-27-24	12,575.00	A. G. Long Co.
Engine 5	5-12-13	5,451.00	A. G. Long Co.
Engine 6	5- 9-18	9,800.00	A. G. Long Co.
Engine 7	5- 1-18	9,800.00	A. G. Long Co.
Engine 8	6- 9-18	9,800.00	A. G. Long Co.
Engine 9	4-20-20	12,800.00	A. G. Long Co.
Engine 10	5- 1-18	9,800.00	A. G. Long Co.
Engine 12	7- 9-13	5,451.00	A. G. Long Co.
Engine 13	12-20-21	13,000.00	Campbell Fire Appliance Co.
Engine 14	6- 7-14	9,000.00	A. G. Long Co.
Engine 15	10-29-21	13,000.00	A. G. Long Co.
Engine 16	5- 3-18	9,800.00	A. G. Long Co.
Engine 17	4-10-20	12,800.00	A. G. Long Co.
Engine 18	5-17-13	5,451.00	A. G. Long Co.
Engine 19	9-19-21	2,200.00	American Warehouse Co.
Engine 20	6- 2-13	8,780.00	A. G. Long Co.
Engine 21	5-27-24	12,575.00	A. G. Long Co.

MOTOR EQUIPMENT AND LOCATION, NOVEMBER 30, 1927—Continued

Company	In Service	Price	Agency
Engine 22	2-11-24	$12,575.00	A. G. Long Company
Engine 23	4- 3-20	12,800.00	A. G. Long Company
Engine 24	4-30-18	9,800.00	A. G. Long Company
Engine 25	6-10-11	5,380.00	A. G. Long Company
Engine 26	6-11-13	5,451.00	A. G. Long Company
Engine 27	12- 8-19	1,993.00	Gary Coast Agency
Engine 28	2- 8-23	1,000.00	Rebuilt at shop
Engine 29	12- 8-19	1,993.00	Gary Coast Agency
Engine 30	4- 8-20	1,993.00	Gary Coast Agency
Engine 31	11- 6-19	1,993.00	Gary Coast Agency
Engine 32	4- 3-20	12,800.00	A. G. Long Company
Engine 33	4- 8-20	1,993.00	Gary Coast Agency
Woodstock	3-17-16	3,000.00	White Company
Truck 1	7-14-13	11,360.00	A. G. Long Company
Truck 2	1-13-16	11,950.00	A. G. Long Company
Truck 3	5-10-21	17,480.00	A. G. Long Company
Truck 4	11-29-22	11,200.00	Seagrave Company
Truck 5	9-14-15	6,468.00	Seagrave Company
Extra truck	3-28-16	4,350.00	A. G. Long Company
Chemical 1	8- 5-15	5,900.00	White Company
Chemical 2	4-26-13	5,451.00	A. G. Long Co. (rebuilt at shop)
Squad 1	4-24-13	5,451.00	A. G. Long Company
Fireboat No. 1	1- 7-20	1,993.00	Gary Coast Agency
Fireboat No. 2	12-20-13	3,000.00	John Deere Plow Co.
Supply	10-17-14	3,000.00	White Company
Hydrant	4-20-26	1,443.32	Wentworth & Irwin
F. A. T.	11-24-22	1,210.00	Oldsmobile Company
Extra	7- 9-13	5,451.00	A. G. Long Company
Extra	9- 4-13	6,000.00	Keats Auto Company
Extra	11-15-22	786.94	Oldsmobile Company
Truck 1	9-29-27	7,000.00	A. G. Long Company

STEAMERS WITH POLE ATTACHMENTS TO MOTOR APPARATUS IN SERVICE AT MUNICIPAL SHOP AND VARIOUS FIRE STATIONS FOR USE IN EMERGENCY CALLS—NOVEMBER 30, 1927

Dept. No.	Factory No.	Make of Engine	Class or Size	Where Located	Capacity in Gallons	Propelled
16	2791	Am. La France	Extra 1st Class	Shop	1000	Tractor Drawn
26	2824	Am. La France	Extra 1st Class	Engine 2	1000	Tractor Drawn
201	2967	Am. La France	Extra 1st Class	Engine 17	1000	Pole Attachments
203	3009	Am La France	1st Class	Shop	900	Pole Attachments
204	3118	Am. La France	3rd Class	Fireboat 2	600	Dismantled
206	524	Clapp & Jones	3rd Size	Shop	700	Pole Attachments
208	3192	Am. La France	2nd Class	Shop	700	Pole Attachments
210	3328	Am. La France	3rd Class	Engine 8	600	Pole Attachments
212	3293	Am. La France	3rd Class	Terminal No. 4	600	Pole Attachments
214	3119	Am. La France	3rd Class	Fireboat 2	600	Dismantled
216	3121	Am. La France	3rd Class	Engine 2	600	Pole Attachments
218	3327	Am. La France	3rd Class	Engine 16	600	Pole Attachments
227	3191	Am. La France	2nd Class	Engine 16	700	Pole Attachments
228	3120	Am. La France	3rd Class	Engine 23	600	Pole Attachments
229	3294	Am. La France	3rd Class	Sold	600	Pole Attachments
230	523	Clapp & Jones	2nd Size	Shop	600	Pole Attachments
231	537	Clapp & Jones	2nd Size	Shop	600	Pole Attachments
232	213	Amoskeg	4th Size	Engine 15	260	No Pole

EXPENSE REPORT BUREAU OF FIRE—NOVEMBER 30, 1927

	Executive and Clerical	Fire Prevention	F. A. T.	H. & P.	O. & M.	Municipal Shop	Totals
Personal Services—							
Salaries	$ 22,150.51	$ 10,009.65	$ 22,995.71	$ 5,580.00	$900,659.50	$ 2,235.20	$ 963,630.57
Supplies—							
Office	1,045.29	578.64	98.91	15.45	550.49		2,288.78
Fuel					15,820.71		15,820.71
Cleaning and Disinfecting			3.55		2,768.92		2,772.47
Motor Vehicle	1,689.70	600.75	303.15	310.12	5,316.38		8,220.10
Botanical					22.58		22.58
Medical and Surgical					37.44		37.44
General Plant	20.48	140.94	340.36	39.62	3,501.03		4,042.43
Material—							
Building			.60	.20	2,978.70		2,979.50
General Plant	2.33	1.00	2,594.48	171.73	1,506.60		7,360.34
Equipment—							
Office		68.50	1.00		129.00		198.50
Household			20.80		1,337.68		1,358.48
Motor Vehicles and Equipment	3,397.22		2.21	4.95	389.07		3,793.45
Tools			182.25	14.99	317.36		514.60
General Plant			3,358.50	1.67	478.86		3,839.03
Repairs—							
General	8.70		3,203.05	4,880.00	10,526.23		18,617.98
Motor Vehicle	1,779.29	495.71	622.94	163.70	15,145.34		18,206.98
Light, Heat and Power—							
Lighting Buildings					50.00		50.00
Power			42.72				42.72
Heat					871.37		871.37
Communication—							
Telephone	3.80	.70	.05				4.55
Telegraph and Messenger	12.85	7.70			3.43		23.98
General Plant Service	58.49	150.00	72.76		9.60		290.85
Contingencies		88.80			1,044.72		1,133.52
Fixed Charges and Contributions—							
Rent					250.00		250.00
Other Contributions					885.00		885.00
Totals	$ 30,168 66	$ 12,142.39	$ 33,843.04 F. A. T. Pri	$ 11,182.43 or Year	$964,600.01	$ 2,235.20 3,084.20	$1,057,255.93

SEGREGATION OF EXPENSE BUREAU OF FIRE NOVEMBER 30, 1927

	Fireboat 1	Fireboat 2	Squad 1	Engine 1	Engine 2	Engine 3	Engine 4
Personal Services—							
Salaries	$ 49,550.01	$ 43,838.85	$ 31,352.35	$ 25,828.59	$ 27,359.45	$ 25,015.95	$ 25,267.12
Supplies—							
Fuel	2,915.58	7,770.34		117.95	207.25	149.75	190.25
Cleaning and Disinfecting	84.29	153.23	58.89	101.79	66.90	102.76	146.80
Motor Vehicle	22.93	40.25	368.75	14.25	508.99	3.54	3.61
Botanical and Agricultural	2.40	10.70					
Medical and Surgical			35.66				
General Plant	146.79	196.45	116.53	140.94	164.26	107.43	34.95
Material—							
Building		.20		707.11		3.30	19.79
General Plant	78.90	51.37	566.23	14.63	5.09		
Equipment—							
Household	11.50	6.00	.60		11.34	60.00	
Educational and Recreational		6.16	1.14	5.50	4.75		
Tools	1.46	.90					
General Plant	6.60	6.00	247.97	8.00			
Repairs—							
General	1,513.71	1,666.06	54.38	573.37	133.83	470.63	98.48
Motor Vehicle		413.17	635.83	220.54	560.14		
Light, Heat and Power				861.55			
Contingencies		25.00					
Totals	$ 54,334.17	$ 54,184.68	$ 33,438.33	$ 28,594.22	$ 29,022.00	$ 25,913.36	$ 25,761.00

SEGREGATION OF EXPENSE BUREAU OF FIRE NOVEMBER 30, 1927—Continued

	Engine 5	Engine 6	Engine 7	Engine 8	Engine 9	Engine 10	Engine 12
Personal Service—							
Salaries	$ 17,808.75	$ 21,186.22	$ 23,623.20	$ 19,845.85	$ 21,743.50	$ 19,977.50	$ 17,384.25
Supplies—							
Fuel	141.89	117.03	206.75	324.00	237.75	104.45	141.21
Cleaning and Disinfecting	52.87	49.86	80.94	49.81	52.60	28.34	45.06
Motor Vehicle	.74	13.59	383.43	322.30	76.18	283.71	2.25
Botanical and Agricultural		3.78					
Medical and Surgical							1.00
General Plant	28.04	51.56	203.70	17.49	75.17	34.01	47.81
Material—							
Building	167.45	143.50	40.99			168.69	119.70
General Plant	1.11	2.62	85.46	1.95	.62	100.50	
Equipment—							
Office			129.00				
Household		24.25	734.86		11.50	1.58	
Motor Vehicles and Equipment					14.63		
Tools			1.65		1.83		1.10
General Plant	6.00		6.50				
Repairs—							
General	61.59	79.45	99.19	66.56	71.48	109.30	38.70
Motor Vehicle		4.71		1,113.41	42.80	687.82	100.40
Totals	$ 18,268.44	$ 21,676.57	$ 25,595.67	$ 21,741.37	$ 22,328.06	$ 21,495.90	$ 17,881.48

SEGREGATION OF EXPENSE BUREAU OF FIRE NOVEMBER 30, 1927—Continued

	Engine 13	Engine 14	Engine 15	Engine 16	Engine 17	Engine 18	Engine 19
Personal Services—							
Salaries	$ 21,634.00	$ 21,434.80	$ 19,730.35	$ 19,951.50	$ 19,554.10	$ 15,905.65	$ 17,556.68
Supplies—							
Fuel	251.75	135.90	208.00	144.00	170.00	81.50	175.25
Cleaning and Disinfecting	96.51	47.61	78.99	63.67	98.13	48.01	41.52
Motor Vehicle	18.02	61.42	1.42	6.24	17.45	6.43	6.25
Botanical and Agricultural	.....	.....	.....	.....	.....	5.70	.....
General Plant	121.28	41.91	49.83	61.58	79.85	63.72	66.88
Material—							
Building	54.26	121.74	.....	1.17	1.51	251.41	7.88
General Plant	3.37	27.63	132.79	8.58	1.25	37.67	1.52
Equipment—							
Household	10.00	.....	5.54	.....	45.00	16.70	40.00
Motor Vehicles and Equipment	.....	.....	15.81	.....	.....	.....	.....
Tools	3.98	1.70	.....	.....	1.50	4.97	1.61
General Plant	.....	.....	8.33	6.50	4.75	6.13	.....
Repairs—							
General	137.25	114.14	236.81	366.44	129.57	450.63	78.44
Motor Vehicle	89.94	16.62	.....	50.85	32.58	418.41	.....
Fixed Charges and Contributions—							
Rent	.....	.....	250.00	.....	.....	.....	.....
Totals	$ 22,420.36	$ 22,003.47	$ 20,717.90	$ 20,660.53	$ 20,135.69	$ 17,296.93	$ 17,976.03

SEGREGATION OF EXPENSE BUREAU OF FIRE NOVEMBER 30, 1927—Continued

	Engine 20	Engine 21	Engine 22	Engine 23	Engine 24	Engine 25	Engine 26
Personal Services—							
Salaries	$ 21,851.00	$ 24,732.25	$ 23,737.46	$ 21,780.75	$ 19,956.56	$ 15,666.75	$ 15,932.70
Supplies—							
Fuel	110.50	.....	192.50	90.00	265.00	208.00	189.00
Cleaning and Disinfecting	60.10	52.57	85.86	78.90	64.85	39.66	58.85
Motor Vehicle	10.39	33.54	1.51	166.09	2.51	13.85	1.08
General Plant	35.10	122.87	160.89	89.56	44.21	66.79	118.50
Material—							
Building	153.35	14.78	440.67	.....	.....	7.98	.....
General Plant	1.32	3.18	92.70	.98	.78	2.15	1.96
Equipment—							
Household	11.50	.....	56.97	.....	2.24	12.84	24.44
Motor Vehicles and Equipment	.....	5.39	.....	14.63	57.28	.....	.....
Tools	.....	.....	2.21	.....	.....	.....	.....
General Plant	5.50	.....	7.96	2.96	1.00	8.35	.....
Repairs—							
General	34.02	72.38	482.46	55.46	174.50	95.70	188.80
Motor Vehicle	.....	164.07	303.52	47.34	.....	40.04	.03
Contingencies	.....	.....	5.00	.....	.....	.....	.....
Totals	$ 22,272.78	$ 25,201.03	$ 25,569.71	$ 22,326.67	$ 20,568.92	$ 16,162.11	$ 16,515.36

SEGREGATION OF EXPENSE BUREAU OF FIRE NOVEMBER 30, 1927—Continued

	Engine 27	Engine 28	Engine 29	Engine 30	Engine 31	Engine 32	Engine 33	Truck 1
Personal Services—								
Salaries	$ 17,899.80	$ 15,804.05	$ 15,884.85	$ 15,924.81	$ 15,914.00	$ 21,690.05	$ 14,633.44	$ 27,043.25
Supplies—								
Fuel	136.00	136.00	119.00	171.00	189.00	93.00	84.61	.....
Cleaning and Disinfecting	44.79	28.80	45.34	43.30	105.46	31.72	59.56	73.28
Motor Vehicle	1.05	.....	95.73	1.00	96.91	3.45	12.25	.....
General Plant	46.29	69.52	33.33	50.91	93.57	40.74	68.29	59.20
Material—								
Building	175.60	.....	.....	.....	5.00	.....	225.80	.....
General Plant	2.04	.....	.....	1.00	40.92	13.74	63.88	.19
Equipment—								
Household	16.23	11.50	.....	41.50	46.78	11.50	57.99	.....
Motor Vehicles and Equipment	.....	.....	.....	.....	.....	.....	.67	.....
Tools	2.03	1.09	2.76	.....	3.37	.....	1.89	.....
General Plant	.....	.....	.....	.....	3.42	.....	111.01	3.37
Repairs—								
General	220.24	26.17	25.22	33.05	164.23	155.16	362.24	521.80
Motor Vehicle	53.29	96.83	.63	.....	109.55	41.70	2.30	101.60
Light, Heat and Power—								
Heat	.....	.....	.....	.....	.....	.....	9.82	.....
Contingencies	16.85	.....	.....	.....	.....	.....	.....	.....
Totals	$ 18,614.21	$ 16,173.96	$ 16,206.86	$ 16,266.57	$ 16,772.21	$ 22,081.06	$ 15,696.75	$ 27,802.69

SEGREGATION OF EXPENSE BUREAU OF FIRE NOVEMBER 30, 1927—Continued

	Truck 2	Truck 3	Truck 4	Truck 5	Chemical 1	Chemical 2	Miscellaneous	Squad No. 2
Personal Services—								
Salaries	$ 27,378.92	$ 26,998.50	$ 23,599.85	$ 21,036.70	$ 7,642.15	.....	.....	.....
Supplies—								
Office	.....	.....	.....	.....	.....	.....	$ 550.49	.....
Fuel	.....	36.00	.....	.....	.....	.....	10.50	.....
Cleaning and Disinfecting	68.59	65.61	113.68	58.13	40.74	.....	.55	.....
Motor Vehicle	10.45	39.37	67.80	.73	48.72	.....	2,540.68	.....
Medical and Surgical	.....	.....	.....	.....	.....	.....	.78	.....
General Plant	68.83	75.53	151.50	68.23	74.27	$ 16.38	96.34	.....
Material—								
Building	4.20	96.02	.....	3.82	5.51	.....	37.27	.....
General Plant	2.00	64.84	3.65	1.79	3.89	10.95	73.35	.....
Equipment—								
Household	.....	35.25	30.07	.....	.....	.....	.....	.....
Motor Vehicles and Equipment	46.39	7.00	15.03	32.00	.86	.....	55.33	$ 106.50
Tools	2.16	.....	3.75	16.06	.....	.....	261.34	.....
General Plant	.....	30.00	.87	.....	.....	.....	Cr. 2.36	.....
Repairs—								
General	77.50	105.70	53.69	78.80	17.15	28.00	22.58	981.36
Motor Vehicle	3,424.49	124.22	843.66	600.05	10.32	15.95	4,778.53	.....
Light, Heat and Power—								
Lighting Buildings	.....	.....	.....	.....	.....	.....	50.00	.....
Communication—								
Telegraph and Messenger	.....	.....	.....	.....	.....	.....	3.43	.....
General Plant Service	.....	.....	.....	.....	.....	.....	9.60	.....
Contingencies	.....	.....	.....	.....	.....	.....	997.87	.....
Fixed Charges and Contributions—								
Other Contributions	.....	.....	.....	.....	.....	.....	885.00	.....
Totals	$ 31,083.53	$ 27,678.04	$ 24,883.55	$ 21,896.31	$ 7,843.62	$ 78.77	$ 10,371.28	$ 1,087.86

STATEMENT OF AUDITOR SHOWING CONDITION OF APPROPRIATIONS BUREAU OF FIRE—NOVEMBER 30, 1927

	Total Appropriations Including Transfers	Claims Paid	Claims Outstanding	Total Encumbrance	Unencumbered Balance
Executive and Clerical—					
Personal Service	$ 22,574.00	$ 22,150.51		$ 22,150.51	$ 423.49
Operation and Maintenance	4,640.00	4,620.93		4,620.93	19.07
Equipment	4,670.00	3,397.22		3,397.22	1,272.79
Totals	$ 31,884.00	$ 30,168.66		$ 30,168.66	$ 1,715.34
Operation and Maintenance—					
Personal Service	$ 900,664.00	$ 900,659.50		$ 900,659.50	$ 4.50
Operation and Maintenance	61,236.26	60,403.54	$ 1,183.00	61,586.54	*350.28
Equipment	8,080.00	2,651.97	4,020.00	6,671.97	1,408.03
Volunteer Hose Companies	1,080.00	885.00		885.00	195.00
Totals	$ 971,060.26	$ 964,600.01	$ 5,203.00	$ 969,803.01	$ 1,257.25
Fire Prevention Division—					
Personal Service	$ 10,020.00	$ 10,009.65		$ 10,009.65	$ 10.35
Operation and Maintenance	2,070.00	2,064.24		2,064.24	5.76
Equipment	68.50	68.50		68.50	
Totals	$ 12,158.50	$ 12,142.39		$ 12,142.39	$ 16.11

*Deficit.

STATEMENT OF AUDITOR SHOWING CONDITION OF APPROPRIATIONS BUREAU OF FIRE—NOVEMBER 30, 1927—Continued

	Total Appropriations Including Transfers	Claims Paid	Claims Outstanding	Total Encumbrance	Unencumbered Balance
Hydrant and Plumbing—					
Personal Service	$ 5,580.00	$ 5,580.00		$ 5,580.00	
Operation and Maintenance	5,750.00	5,580.82		5,580.82	$ 169.18
Equipment	25.00	21.61		21.61	3.39
Totals	$ 11,355.00	$ 11,182.43		$ 11,182.43	$ 172.57
Fire Alarm Telegraph—					
Personal Service	$ 23,469.25	$ 22,995.71		$ 22,995.71	$ 473.54
Operation and Maintenance	7,365.00	7,282.57	$ 40.00	7,322.57	42.43
Equipment	3,755.73	3,564.76		3,564.76	190.97
Totals	$ 34,589.98	$ 33,843.04	$ 40.00	$ 33,883.04	$ 706.94
Shop—					
Personal Service	$ 2,500.00	$ 2,235.20		$ 2,235.20	$ 264.80
Bureau of Fire	$ 1,063,547.74	$ 1,054,171.73	$ 5,243.00	$ 1,059,414.73	$ 4,133.01
Firemen's Salary Increase	210,674.00	209,379.16		209,379.16	1,294.84
Fire Department Construction Fund	6,620.85				6,620.85
Fire Department Construction Fund No. 2	310,000.00	238,258.78	144,548.62	383,407.40	*73,407.40
Fireboat and Fire Mains Fund	1,640.76				1,640.76

*Deficit.

FIRE MARSHAL'S OFFICE

REPORT FOR FISCAL YEAR ENDING NOVEMBER 30, 1927

Portland, Oregon, November 30, 1927.

MR. L. G. HOLDEN, CHIEF ENGINEER, BUREAU OF FIRE.

Dear Sir: I have the honor of submitting herewith, in compliance with the requirements of Ordinance No. 47284, a detailed report of the activities of the Fire Marshal's Office, also other data relative to Fire Prevention work and fires that occurred during the fiscal year of 1927.

The Fire Department responded to 2,028 alarms during the year, 1,584 of which were burning flues, grass fires, brush fires, false alarms, etc., at which no property loss occurred. The remaining 444 alarms entailed losses amounting to $731,275.12.

A total of 122,154 inspections were made during the year by representatives of the Fire Marshal's office, and 14,272 fire hazards were abated. All places of business were inspected once every three months, and all dwellings were inspected at least once during the year. This office supervised the installation of 337 oil burners, and 259 gasoline tank and pump installations. All plans for new buildings, wherein fire protection equipment and safety devices are required were examined and passed on by the Fire Marshal's office.

The campaign against old buildings that have become fire hazards was continued, resulting in the removal of 221 such buildings. This does not include buildings voluntarily torn down, but are buildings that had been condemned by the Fire Marshal's office.

The Fire Marshal's office caused the arrest and conviction of 22 persons for violations of Fire Prevention ordinances, and fines totaling $315 were levied by the Municipal Judges.

All fires were immediately investigated by representatives of the Fire Marshal's office, so as to determine the cause of the fire, the amount of loss, the value of property involved, the amount of insurance carried, and any other information that might be of value in carrying on Fire Prevention work. Where fires appeared to be of incendiary origin, a rigid investigation was made, and if sufficient evidence could be secured the case was placed before the Grand Jury. A detailed report of the activities of the Arson Squad will be found attached to this report.

The work of the man assigned to the inspection of mills, factories and woodworking plants was continued, and the value of this work is apparently shown in the small amount of loss incurred during the year in the plants under his jurisdiction. A detailed report of this man's activities will be found attached to this report.

Speakers were furnished for 517 public meetings. This includes meetings in schools and boy scout troops. Fire Prevention was brought to the attention of the public at every opportunity. Several talks were made over the radio, and in this way most of the people were reached several times.

Each Saturday during the year all fire inspectors attended a Fire Inspectors' school in the Fire Marshal's office, for the purpose of discussing and studying Fire Prevention ordinances. Inspectors were required to thoroughly acquaint themselves with all ordinances pertaining to Fire Prevention, and written examinations were conducted on these ordinances.

The first week in May was observed as Clean-Up Week. In conjunction with the Nuisance Division, Bureau of Police, this office made a check of the City for unsightly premises, and the owners of these places were ordered to clean up their premises. Through the courtesy and co-operation of the Independent Paper Stock Company, and M. Brounstein & Son, 210 tons of paper, and 36 tons of rags were bought at the fire stations, and many fire hazards were thus eliminated.

Fire Prevention Week was observed October 9th to 15th, the press, radio stations, civic clubs, schools, Boy Scout troops and many churches co-operated with the Fire Department in the observance of this week. Home inspection blanks were given to all grade school pupils who made inspections of their homes, and returned the filled in blanks to the Fire Marshal's office. A Fire Prevention public speaking contest was conducted in the high schools, and the winner in each school competed in a Fire Prevention rally at the Municipal Auditorium on October 15th. The playlet "The Trial by Fire" was enacted in several of the public schools during the week. A special court of honor was held for Boy Scouts at the Central fire station, where merit badges in firemanship were presented to 214 Boy Scouts who passed their firemanship examination. Three thousand posters obtained from the National Fire Protection Association were posted, and large fire prevention posters were displayed on several large billboards.

Attached you will find detailed reports of all facts and figures pertaining to this office during the year.

Respectfully submitted,

EDW. GRENFELL,
FIRE MARSHALL.

SPECIAL INVESTIGATIONS OF FIRES AND FIRE ALARMS

MR. EDW. GRENFELL, FIRE MARSHAL.

Dear Sir: The following is a report of the results obtained in the special investigation of fires and fire alarms during the fiscal year, 1927:

	2,028
Alarms investigated	46
False alarms	43
Unknown causes	20
Incendiary fires	22
Supposed incendiary fires	1,077
Persons interviewed	70
Persons interviewed in office	5
Grand jury investigations	5
Grand jury indictments	1
Arson charges	6
Juveniles apprehended for causing fires	6
Juvenlies apprehended for false alarms	3
Circuit Court cases	8
Municipal Court cases	

Wesley Small was tried in Judge Skipworth's Court, April 21st, for causing a fire at Fifth and Lincoln Streets. The jury disagreed.

Mrs. T. B. Elmo confessed setting fire to the building at 326 Park Street, on May 31st. She was found to be insane and was committed to the State Hospital.

W. R. Jacobson confessed setting a fire at 291 Third Street on June 28th. He was committed to the State School for the Feeble Minded.

W. J. Madden was tried on a charge of setting a fire at 393 W. Park Street on April 18th in Judge Stevens' Court. He was acquitted by the jury.

W. L. Barcus, charged with setting a fire at 198 E. 47th Street on May 31st, was bound over to the Grand Jury by Judge Hendrickson. Case still pending.

Raymond Whitcomb, arrested following fire at 363 W. Park Street on November 15th, confessed setting four fires—363 W. Park Street, 283 Thirteenth Street, 293 Sixth Street, and W. Park and Montgomery Streets. Indicted by the Grand Jury for arson.

Mrs. Elizabeth Harvey confessed setting fire to the dwelling at 5325 Sixty-fifth Street November 16th. She was committed to the State Hospital for the Feeble Minded.

Respectfully submitted,

F. J. McFARLAND,
CHIEF INVESTIGATOR.

The following table gives information relative to improvements made in fire-fighting facilities, new equipment installed and other data pertaining to the Fire Prevention Work done in mills and factories during 1927:

TABLE GIVING INFORMATION RELATIVE TO IMPROVEMENTS MADE IN FIRE FIGHTING EQUIPMENT, NEW EQUIPMENT INSTALLED AND OTHER DATA PERTAINING TO FIRE PREVENTION WORK DONE IN MILLS AND FACTORIES DURING 1927

Company	2½" Hose	1½" Hose	Sprinkler Heads	Extinguishers	Pyrenes	Mains	Pumps	Fire Wall	Foamite	No. Men in Squad	Fires	Put Out by Squad	Put Out by F. D.	2½" Hydrant	1½" Hydrant	Drills	Loss
Portland Woolen Mills			45	3 2½-gal.						74	1	1				12	None
Beaver-Linnton	100′	50′	400		4 1-qt.					24	2	2		4	1	26	None
Portland Mfg. Co.			7					150′ Curtain		16	2	2					$ 65.00
Western Cooperage		300′	800		12 1-qt.	1000′ 8″	1500-gal.			41	6	5	1			41	7,000.00
Peninsular Lumber Co			1120			800′ 8″ 400′ 6″		2000′ Plank		16	3	3		4		8	
M. & M. Door (Kenton)	100′	100′								24					2	12	
Nicolai Door	300′	100′	124	2 2½-gal.	2 1-qt.					44						50	
Beal Pipe & Tank		200′			2 5-gal.					20	1	1	1			30	200.00

TABLE GIVING INFORMATION RELATIVE TO IMPROVEMENTS MADE IN FIRE FIGHTING EQUIPMENT, NEW EQUIPMENT INSTALLED AND OTHER DATA PERTAINING TO FIRE PREVENTION WORK DONE IN MILLS AND FACTORIES DURING 1927—Continued

Company	2½" Hose	1½" Hose	Sprinkler Heads	Extinguishers	Pyrenes	Mains	Pumps	Fire Wall	Foamite	No. Men in Squad	Fires	Put Out by Squad	Put Out by F. D.	2½" Hydrant	1½" Hydrant	Drills	Loss
Gram-Willis Frame Co.	....	....	....	.....	.....	.....	.....	.....	....	22	....	....	....	....	....	16	.....
West Made Desk Co.	....	....	....	.....	.....	.....	.....	.....	....	12	....	....	....	....	....	12	.....
M. & M. Co. (Door)	....	....	7	.....	.....	.....	.....	.....	....	26	....	....	....	....	....	11	.....
Doernbecker Furniture Co.	....	....	34	14 2½-gal.	16 1-qt.	.....	.....	.....	....	All Foremen	3	....	3	....	1	....	100.00
Grand Rapids Show Case Co.	....	....	....	.....	.....	.....	.....	.....	....	11	....	....	....	....	1	12	.....
Central Sash & Door	....	200′	268	.....	.....	692′ 6″	.....	.....	....	20	....	....	....	....	1	....	.....
S. E. Portland Lumber Co.	....	....	....	.....	.....	.....	.....	.....	....	14	....	....	....	....	....	....	.....
East Side Box & Lumber	750′	250′	125	.....	24 1-gal.	.....	.....	80′ Plank	....	40	....	....	....	1	1	4	.....
Carman Mfg. Co.	....	....	....	.....	.....	.....	.....	.....	....	All Foremen	....	....	....	....	....	....	.....
Multnomah Box & Lumber	700′	....	700	.....	.....	70 6″ 800′ 4″	.....	.....	....	24	....	....	....	8	....	6	.....

TABLE GIVING INFORMATION RELATIVE TO IMPROVEMENTS MADE IN FIRE FIGHTING EQUIPMENT, NEW EQUIPMENT INSTALLED AND OTHER DATA PERTAINING TO FIRE PREVENTION WORK DONE IN MILLS AND FACTORIES DURING 1927—Continued

Company	2½" Hose	1½" Hose	Sprinkler Heads	Extinguishers	Pyrenes	Mains	Pumps	Fire Wall	Foamite	No. Men in Squad	Fires	Put Out by Squad	Put Out by F. D.	2½" Hydrant	1½" Hydrant	Drills	Loss
Jones Lumber Co.	250′	....	....	.....	.....	.....	.....	.....	....	24	1	1	....	....	....	4	.....
Portland Furniture Mfg. Co.	....	....	800	.....	.....	.....	.....	.....	....	.....	....	....	....	....	....	....	.....
Eastern-Western Lumber	250′	100′	....	.....	3 1-qt.	.....	.....	.....	....	36	....	....	....	....	....	12	.....
Knauer Mfg. Co.	....	100′	....	.....	.....	.....	.....	.....	....	30 All Men	....	....	....	....	....	....	.....
Clark-Wilson Lumber Co.	600′	....	60	.....	30 1-qt.	.....	.....	.....	....	85	....	....	....	....	....	15	.....
Inman-Poulsen Lumber Co.	700′	....	120	.....	.....	.....	.....	.....	....	150	....	....	....	....	....	8	.....
Portland Gas Co.	50′	....	....	5 2½-gal.	.....	.....	.....	.....	1	23	1	1	....	....	....	51	.....
Willamette Iron & Steel	....	....	....	.....	.....	.....	.....	.....	....	14	....	....	....	....	....	....	.....
West Oregon Lumber Co.	100′	50′	75	.....	.....	.....	.....	.....	....	36	7	4	3	....	....	12	.....

FIRE MARSHAL'S ANNUAL STATISTICAL REPORT 1927

	Values Involved in Fires		Losses	
	Buildings	Contents	Buildings	Contents
December, 1926	$ 526,200.00	$ 50,550.00	$ 9,460.65	$ 9,215.70
January, 1927	353,750.00	176,050.00	39,621.25	51,489.25
February, 1927	332,500.00	167,600.00	27,615.66	27,073.93
March, 1927	284,300.00	1,392,175.00	41,332.02	127,736.23
April, 1927	3,577,250.00	300,645.00	31,756.98	16,763.57
May, 1927	1,340,000.00	191,075.00	31,114.98	27,691.34
June, 1927	379,500.00	185,700.00	41,049.12	52,521.87
July, 1927	849,500.00	318,475.00	18,223.73	46,137.11
August, 1927	286,650.00	51,325.00	6,294.92	3,144.84
September, 1927	482,975.00	438,880.00	38,890.90	21,792.70
October, 1927	203,140.00	78,315.00	14,083.81	26,741.59
November, 1927	230,100.00	180,350.00	11,414.25	10,108.72
Totals	$8,845,865.00	$3,531,140.00	$ 310,858.27	$ 420,416.85
Total Values Involved in Fires During Year				$12,377,005.00
Total Losses on Fires During Year				731,275.12

	Insurance Carried		Insurance Paid	
	Buildings	Contents	Buildings	Contents
December, 1926	$ 292,200.00	$ 35,150.00	$ 9,160.65	$ 8,715.70
January, 1927	299,600.00	156,050.00	39,271.25	46,684.25
February, 1927	220,800.00	129,600.00	27,615.66	26,958.93
March, 1927	196,950.00	1,116,595.00	41,137.02	127,196.23
April, 1927	2,784,155.00	194,775.00	30,291.98	10,256.57
May, 1927	1,247,100.00	156,925.00	30,430.98	27,351.34
June, 1927	254,750.00	147,200.00	40,749.12	51,546.87
July, 1927	784,450.00	269,450.00	17,648.73	45,862.11
August, 1927	212,000.00	35,430.00	6,094.92	2,799.84
September, 1927	405,450.00	145,850.00	38,840.90	21,237.70
October, 1927	168,900.00	51,180.00	13,633.81	26,616.59
November, 1927	190,200.00	162,000.00	9,214.25	8,908.72
Totals	$7,056,555.00	$2,600,205.00	$ 304,089.27	$ 407,134.85
Total Fire Insurance Carried				$ 9,656,760.00
Total Insurance Paid				711,224.12

NUMBER OF FIRES AND THE AMOUNT OF LOSS IN DIFFERENT CLASSES OF BUILDINGS DURING THE FISCAL YEAR ENDING NOVEMBER 30, 1927

Construction of Buildings	No. of Fires	Amount of Losses
Boats, etc.	4	$ 4,669.28
Brick	103	352,044.77
Concrete	53	29,293.09
Frame	1,457	340,616.98
Other fires	411	4,651.00
	2,028	$731,275.12

MANNER IN WHICH ALARMS WERE RECEIVED

Month	Box	Telephone	Still	Total
December, 1926	31	156	4	191
January, 1927	36	212	6	254
February	21	124	4	149
March	24	161	8	193
April	32	173	7	212
May	21	139	5	165
June	31	98	6	135
July	34	131	2	167
August	38	124	18	180
September	17	92	7	116
October	24	104	3	131
November	21	105	9	135
Totals	330	1,619	79	2,028

ALARMS AND LOSS, FIRES 1927

	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Total
Alarms Entailing Losses	33	41	30	48	71	39	37	44	28	24	23	26	444
Alarms—No Loss	158	213	119	145	141	126	98	123	152	92	108	109	1,584
Total Alarms	191	254	149	193	212	165	135	167	180	116	131	135	2,028
False Alarms	4	5	1	2	1	2	7	3	4	2	10	5	46
Days No Alarms	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	2

FIRES DURING THE FISCAL YEAR ENDING NOVEMBER 30, 1927, HAVING A LOSS OF $10,000.00 OR MORE

January, 1927—

Enke Dye Works, 16 E. 3rd St., Jan. 7, 1927, at 8:09 P. M.; cause, unknown; loss ..... $ 17,451.67

M. Barde & Sons warehouse, foot of Sheridan St., Jan. 15, 1927, at 8:50 P. M.; cause, unknown; loss..... 46,091.81

February, 1927—

Crantford's Floral Shop, 175 10th St., Feb. 1, 1927, at 1:14 P. M.; cause, unknown; loss 11,022.24

North Maid Manufacturing Co., 5th and Oak Sas., Feb. 13, 1927, at 12:20 A. M.; cause, unknown; loss..... 30,167.28

March, 1927—

Bushong & Co., 91 Park St., March 31, 1927, at 3:39 A. M.; cause, unknown; loss 148,291.66

May, 1927—

Standard Broom Factory, 1855 E. Glisan St., May 13, 1927, at 1:59 A. M.; cause, unknown; loss 18,700.04

June, 1927—

Portland Paint Co., 232 Front St., June 4, 1927, at 3:15 A. M.; cause, unknown; loss 44,391.38

Henningsen Produce Co., 2 N. Front St., June 27, 1927, at 3.59 P. M.; cause, unknown; loss 37,712.88

July, 1927—

Kilham Stationery & Printing Co., 72 5th St., July 14, 1927, at 5.40 P. M.; cause, unknown; loss 39,581.00

September, 1927—

Schnitzer, Wolf Co., foot of Sheridan St., Sept. 19, 1927, at 10:02 P. M.; cause, electric motor overheated; loss..... 23,512.00

Griffith Rubber Mills Co., 175 E. Water St., Sept. 29, 1927, at 11:52 P. M.; cause, smoker's carelessness; loss..... 28,804.46

October, 1927—

E. J. Keller Co., 61 N. 6th St., Oct. 30, 1927, at 4:17 A. M.; cause, unknown; loss 21,450.56

CAUSES OF FIRES, NUMBER AND LOSS PER CAUSE FOR 1927

Cause	No. Fires	Total Loss
Acetylene torch	1	
Ashes in combustible container	10	$ 1,604.49
Attrician mill, sparks from	2	
Auto back fire	12	600.00
Auto short circuit	68	2,018.60
Belt slipping	5	7,224.51
Blow torch	4	1,000.00
Boiler overheated	1	
Bonfire	24	
Bonfire, sparks from	8	739.50
Brooder overheated	1	40.00
Brush fire	19	
Burner, sparks from	1	
Candle, carelessness with	1	400.00
Celluloid explosion	1	100.00
Clothing boiled dry	1	
Dump fire	33	
Dust explosion	2	125.00
Electric extension cords	1	267.40
Electric heater	3	302.00
Electric heating pad	1	25.00
Electric iron	15	4,501.37
Electric ironer	1	
Electric light	4	1,365.94
Electric motor	14	31,512.00
Electric range	1	20.00
Electric short circuit	16	11,300.71
Electric water heater	1	1,915.52
Electric wiring defective	3	115.00
Engine, sparks from	1	
False alarms	46	
Film explosion	7	2,163.50
Fire box overheated	2	
Fire crackers	2	100.00
Fireplace defective	4	45.00
Fireplace overheated	1	100.00
Flue burning out	788	
Flue cleanout open	6	137.50
Flue defective	47	4,670.48
Flue overheated	10	657.59
Flue, sparks from	111	23,767.29
Food boiled dry	17	60.00
Fumigating	2	
Furnace back fire	6	203.16
Furnace, combustibles near	3	275.00
Furnace, defective	5	109.70
Furnace overheated	12	4,125.28
Furnace, sparks from	3	1,234.65
Furnace pipe	13	211.81
Gas burner	1	2,342.42
Gas floor heater	2	112.60
Gas furnace	1	
Gas heater	1	96.70
Gas hose	1	30.00
Gas jet	1	699.02
Gas leaking	1	2,267.61
Gas meter	1	
Gas oven	1	
Gas pipe	1	

CAUSES OF FIRES, NUMBER AND LOSS PER CAUSE FOR 1927—Continued

Cause	No. Fires	Total Loss
Gas plate	2	$ 50.00
Gas range	4	369.10
Gas water heater	6	3,718.20
Gasoline, carelessness with	18	3,012.39
Gasoline explosion	8	6,420.00
Gasoline leaking	7	452.45
Grass fire	127	
Grease burning	5	138.02
Grease vent	4	177.90
Incendiary supposed	22	20,779.63
Incendiary	20	13,052.75
Incubator overheated	1	350.00
Kerosene stove	5	3,808.39
Lantern overturned	1	
Matches	45	8,149.15
Oil burner	11	4,850.80
Outside city	40	
Oxygen explosion	1	2,691.46
Paint boiled over	2	
Picker, sparks from	3	390.00
Reflection seen	6	
Rekindle	5	
Sawdust burner	3	
Smoke scare	86	
Smokehouse over-heated	1	90.00
Smokers' carelessness	82	51,786.22
Spontaneous combustion	19	6,459.92
Sprinkler, automatic	10	
Stack overheated	1	132.00
Stack, sparks from	1	
Steam scare	6	
Steam pipes	4	45.00
Still explosion	2	1,301.85
Stoves, hard fuel	37	11,420.04
Stove pipe	16	494.12
Street car short circuit	8	
Tarpots	7	350.00
Thawing pipes	5	2,948.00
Unknown	43	476,294.43
Vat overheated	2	806.95
Water coil explosion	1	2,150.00
Totals	2,028	$731,275.12

CAUSES AND LOSSES OF FIRES AS PER OCCUPANCY—FISCAL YEAR, 1927

Occupancy	Cause of Fire	No. per Cause	No. per Occupancy	Loss per Cause	Loss per Occupancy
Apartments	Electric iron	2		$ 1,102.50	
Apartments	Electric motor	3			
Apartments	Electric range	1		20.00	
Apartments	Fireplace defective	1			
Apartments	Flue burning out	19			
Apartments	Flue defective	1		124.60	
Apartments	Flue—Sparks from	5		4,966.31	
Apartments	Food boiled dry	2			
Apartments	Furnace back fire	1			
Apartments	Oil burner	3			
Apartments	Sawdust burner	1			
Apartments	Smoke scare	3			
Apartments	Smoker's carelessness	1		25.00	
Apartments	Steam scare	1			
Apartments	Tarpot	1			
Apartments	Unknown	1	46	928.27	$ 7,166.68
Autos	Back fire	12		600.00	
Autos	Bonfire—Sparks from	1		510.00	
Autos	Gasoline—Carelessness with	6		375.00	
Autos	Gasoline—Explosion	2			
Autos	Gasoline leaking	7		452.45	
Autos	Incendiary	1			
Autos	Short circuit	68		2,018.60	
Autos	Smoker's carelessness	9		269.95	
Autos	Unknown	1	107	75.00	4,301.00
Bakery	Blue burning out	1			
Bakery	Smoker's carelessness	1	2	20.00	20.00
Barber Shop	Smoker's carelessness	2	2	100.00	100.00
Barn	Smoker's carelessness	1	1		
Battery Shop	Gasoline—Carelessness with	1	1	37.50	37.50
Beauty Shop	Electric iron	1	1		
Boat	Reflection seen	1			
Boat	Gasoline explosion	1		4,000.00	
Boat	Unknown	1	3		4,000.00
Car Barn	Electric heater	1	1	100.00	100.00
Carpenter Shop	Blow torch	1			
Carpenter Shop	Flue—Sparks from	1	2	7.40	7.40
Cereal Mill	Attrician mill	2			
Cereal Mill	Dust explosion	1		125.00	
Cereal Mill	Electric light globe	1	4	500.00	625.00
Chicken House	Brooder overheated	1		40.00	
Chicken House	Incubator overheated	1	2	350.00	390.00
Church	Electric short circuit	1		7,014.23	
Church	Flue—Sparks from	1	2	20.00	7,034.73
Cooperage	Belt slipping	3		7,224.51	
Cooperage	Burner—Sparks from	1			
Cooperage	Unknown	1	5	122.50	7,347.01
Dance Hall	Reflection seen	1	1		
Dock	Blow torch	1		1,000.00	
Dock	Electric short circuit	1		3,000.00	
Dock	Oil burner	1		309.70	
Dock	Smoker's carelessness	2			
Dock	Sprinkler—Automatic	1	6		4,309.70
Dredge	Unknown	1	1	669.28	669.28
Dry Cleauing Wks.	Gasoline explosion	1		200.00	
Dry Cleaning Wks.	Unknown	1	2	17,451.67	17,651.67
Dwellings	Ashes in combustible container	8		1,105.00	
Dwelliugs	Bonfire—Sparks from	3		56.00	
Dwellings	Candle—Carelessness with	1		400.00	
Dwellings	Celluloid explosion	1		100.00	
Dwellings	Clothes boiled dry	1			
Dwellings	Electric heater	1			

CAUSES AND LOSSES OF FIRES AS PER OCCUPANCY—FISCAL YEAR, 1927—Continued

Occupancy	Cause of Fire	No. per Cause	No. per Occupancy	Loss per Cause	Loss per Occupancy
Dwellings	Electric heating pad	1		$ 25.00	
Dwellings	Electric iron	8		1,135.87	
Dwellings	Electric ironer	1			
Dwellings	Electric light	2		384.14	
Dwellings	Electric short circuit	4			
Dwellings	Electric water heater	1		1,915.52	
Dwellings	Electric wiring	2		115.00	
Dwellings	Film explosion	2		146.00	
Dwellings	Firecrackers	2		100.00	
Dwellings	Fireplace defective	2		45.00	
Dwellings	Fireplace overheated	1		100.00	
Dwellings	Flue burning out	701			
Dwellings	Flue cleanout open	3		87.50	
Dwellings	Flue defective	38		2,446.55	
Dwellings	Flue overheated	9		636.26	
Dwellings	Flue—Sparks from	89		15,250.38	
Dwellings	Food boiled dry	12		60.00	
Dwellings	Fumigating	1			
Dwellings	Furnace back-fire	2		99.00	
Dwellings	Furnace—Combustibles near	2		25.00	
Dwellings	Furnace defective	4			
Dwellings	Furnace overheated	12		4,125.28	
Dwellings	Furnace—Sparks from	1		176.00	
Dwellings	Furnace pipes	14		571.51	
Dwellings	Gas furnace	1			
Dwellings	Gas heater	1		96.70	
Dwellings	Gas jet	1		699.02	
Dwellings	Gas leaking	1		2,267.61	
Dwellings	Gas meter	1			
Dwellings	Gas pipe	1			
Dwellings	Gas plate	1			
Dwellings	Gas range	1		370.00	
Dwellings	Gas water heater	6		3,718.20	
Dwellings	Gasoline—Carelessness with	6		1,801.65	
Dwellings	Gasoline explosion	2		1,700.00	
Dwellings	Grease burning	2		103.12	
Dwellings	Incendiary	12		6,663.27	
Dwellings	Incendiary supposed	16		14,570.78	
Dwellings	Kerosene stove	5		3,808.39	
Dwellings	Matches	33		7,306.15	
Dwellings	Oil burners	2		291.10	
Dwellings	Paint boiled over	1			
Dwellings	Reflection seen	3			
Dwellings	Re-kindle	2			
Dwellings	Sawdust burner	2			
Dwellings	Smoke scare	59			
Dwellings	Smoker's carelessness	18		2,429.69	
Dwellings	Spontaneous combustion	4		1,513.48	
Dwellings	Steam scare	1			
Dwellings	Still explosion	2		1,301.85	
Dwellings	Stoves	26		4,870.89	
Dwellings	Stovepipe	17		362.12	
Dwellings	Tarpot	1		350.00	
Dwellings	Thawing pipes	2			
Dwellings	Unknown	13		17,539.66	
Dwellings	Water coil explosion	1	1173	2,150.00	$ 103,018.69
Factories—					
Broom	Fumigating	1			
Broom	Sprinker (Automatic)	2			
Broom	Unknown	1		18,700.04	
Casket	Steam scare	1			
Clothing	Electric short circuit	1			

CAUSES AND LOSSES OF FIRES AS PER OCCUPANCY—FISCAL YEAR, 1927—Continued

Occupancy	Cause of Fire	No. per Cause	No. per Occupancy	Loss per Cause	Loss per Occupancy
Factories (Cont.)—					
Clothing	Incendiary—Supposed	1		$ 4,699.55	
Clothing	Unknown	1		30,167.28	
Furniture	Belt slipping	1			
Furniture	Dust explosion	1			
Furniture	Flue—Sparks from	1		212.77	
Furniture	Matches	1		215.20	
Furniture	Picker—Sparks from	1			
Furniture	Stove—Hard fuel	1			
Knitting Mill	Oil burner	1			
Mattress	Picker—Sparks from	2		390.00	
Oxygen	Oxygen explosion	1		2,691.46	
Paint	Flue defective	1			
Paint	Vat overheated	2		806.95	
Rubber	Smoker's carelessness	1		28,804.46	
Spray	Spontaneous combustion	1		780.55	
Woolen Mills	Steam scare	1	24		$ 87,468.76
False Alarms	Malicious	46	46		
Flats	Bonfire—Sparks from	1		68.00	
Flats	Electric cord	1		267.40	
Flats	Electric short circuit	1			
Flats	Flue burning out	21			
Flats	Flue cleanout open	1			
Flats	Flue—Sparks from	4		134.09	
Flats	Matches	3		543.40	
Flats	Smoke Scare	2			
Flats	Stove—Hard fuel	1		39.50	
Flats	Stove pipes	1			
Flats	Unknown	1	37	1,723.40	2,775.79
Foundry	Oil burner	1		4,250.00	
Foundry	Smoke scare	1	2		4,250.00
Garage	Ashes in combustible container	1			
Garage	Electric globe	1		481.79	
Garage	Electric short circuit	1		709.47	
Garage	Flue burning out	1			
Garage	Gasoline—Carelessness with	3		672.24	
Garage	Incendiary	1		194.95	
Garage	Matches	3			
Garage	Smoker's carelessness	5		750.00	
Garage	Spontaneous combustion	5		479.06	
Garage	Stove—Hard fuel	1		30.00	
Garage	Unknown	2	24	725.00	4,042.51
Hotel	Flue burning out	14			
Hotel	Food boiled dry	1			
Hotel	Furnace back-fire	1			
Hotel	Furnace pipe	1			
Hotel	Gas oven	1			
Hotel	Grease vent	1			
Hotel	Matches	1			
Hotel	Oil burner	2			
Hotel	Smoke scare	1			
Hotel	Smoker's carelessness	9		491.75	
Hotel	Steam scare	1			
Hotel	Unknown	2	35	6,005.52	6,497.27
Laundry	Flue burning out	1			
Laundry	Furnace back-fire	1			
Laundry	Smoke scare	1			
Laundry	Sprinkler (automatic)	1			
Lanndry	Steam scare	1			
Laundry	Unknown	1	6		
Lumber Yard	Electric short circuit	1			
Lumber Yard	Lantern overturned	1	2		

CAUSES AND LOSSES OF FIRES AS PER OCCUPANCY—FISCAL YEAR, 1927—Continued

Occupancy	Cause of Fire	No. per Cause	No. per Occupancy	Loss per Cause	Loss per Occupancy
Market	Electric motor	1			
Market	Electric short circuit	1			
Market	Flue burning out	1			
Market	Incendiary—supposed	2		$ 487.50	
Market	Smoke scare	2			
Market	Smoke house overheated	1		90.00	
Market	Stove—Hard fuel	1	9	50.00	$ 627.50
Office Buildings	Electric iron	1		1,920.82	
Office Buildings	Electric heating pad	1		177.00	
Office Buildings	Electric motor	2		97.40	
Office Buildings	Electric short circuit	2		577.36	
Office Buildings	Flue burning out	1			
Office Buildings	Flue defective	1		190.63	
Office Buildings	Gas burner	1		2,342.42	
Office Buildings	Gas plate	1			
Office Buildings	Smoke scare	3			
Office Buildings	Smoker's carelessness	8		4,471.46	
Office Buildings	Spontaneous combustion	2		3,159.39	
Office Buildings	Steam pipe	1			
Office Buildings	Vent	1	25		12,936.48
Outside City		40	40		
Paint Shop	Flue overheated	1		21.33	
Paint Shop	Smoker's carelessness	1	2	44.30	65.63
Plumbing Shop	Electric motor	1	1		
Pool Hall	Matches	1	1	45.00	45.00
Printers	Re-kindle	1			
Printers	Unknown	1	2	148,291.66	148,291.66
Restaurant	Electric motor	1			
Restaurant	Electric wiring	1			
Restaurant	Flue burning out	2			
Restaurant	Food boiled dry	2			
Restaurant	Gas oven	1			
Restaurant	Gas range	2		39.10	
Restaurant	Grease burning	2			
Restaurant	Grease vent	2		177.90	
Restaurant	Incendiary—supposed	1			
Restaurant	Smoker's carelessness	3		5,919.70	
Restaurant	Unknown	1	18	7,248.53	13,385.23
Rooming House	Fireplace defective	1			
Rooming House	Flue burning out	19			
Rooming House	Flue defective	8		1,958.70	
Rooming House	Flue—Sparks from	7		2,985.60	
Rooming House	Food boiled dry	1			
Rooming House	Furnace—Sparks from	1		1,058.65	
Rooming House	Gas heater	1			
Rooming House	Gas hose	1		30.00	
Rooming House	Gasoline—Carelessness with	1		95.00	
Rooming House	Grease burning	1		34.90	
Rooming House	Incendiary	3		3,546.07	
Rooming House	Incendiary—supposed	1		883.74	
Rooming House	Matches	2		23.90	
Rooming Houses	Re-kindle	1			
Rooming House	Smoke scare	5			
Rooming House	Smoker's carelessness	9		1,834.33	
Rooming House	Thawing pipes	2		2,948.00	
Rooming House	Unknown	4	68	3,960.92	19,359.81
Sawmill	Boiler overheated	1			
Sawmill	Bonfire—Sparks from	1			
Sawmill	Electric short circuit	1			
Sawmill	Firebox—Sparks from	2			
Sawmill	Furnace back-fire	1		104.16	
Sawmill	Smoker's carelessness	1			

CAUSES AND LOSSES OF FIRES AS PER OCCUPANCY—FISCAL YEAR, 1927—Continued

Occupancy	Cause of Fire	No. per Cause	No. per Occupancy	Loss per Cause	Loss per Occupancy
Sawmill	Stack—Sparks from	1			
Sawmill	Steampipe	2	10		$ 104.16
Scenery Studio	Unknown	1	1	$ 9,927.50	9,927.50
School	Blow Torch	1			
School	Flue burning out	2			
School	Flue—Sparks from	2		180.74	
School	Gasoline explosion	1		520.00	
School	Unknown	1	7	4,980.89	5,681.63
Shoe Shine Shop	Gasoline—Carelessness with	1	1	31.00	31.00
Stores—					
Auto Supply	Smoker's carelessness	2		4,494.53	
Clothing	Electric iron	1		45.00	
Clothing	Incendiary—supposed	2		138.26	
Clothing	Smoker's carelessness	1			
Confectiouery	Gasoline explosion	1			
Confectionery	Stove—Hard fuel	1		824.88	
Department	Sprinkler (automatic)	3			
Drug	Reflection seen	1			
Drug	Spontaneous combustion	1			
Drug	Stove—Hard fuel	2		15.00	
Electric	Electric motor	1		30.50	
Electric	Stove—Hard fnel	1		4,389.31	
Farm Implement	Acetylene torch	1			
Florist	Unknown	1		11,022.24	
Furniture	Electric iron	1		16.00	
Furniture	Electric short circuit	1			
Furniture	Matches	1		15.00	
Furnitnre	Spontaneous combustion	1		502.44	
Grocery	Ashes in combustible container	1		499.49	
Grocery	Belt slipping	1			
Grocery	Bonfire—Sparks from	2		75.00	
Grocery	Electric globe	1		17.00	
Grocery	Electric motor	2			
Grocery	Electric short circuit	1			
Grocery	Flue burning out	5			
Grocery	Gas floor furnace	1		15.70	
Grocery	Incendiary	1			
Grocery	Sprinkler (automatic)	1			
Grocery	Stove—Hard fuel	2		1,377.00	
Grocery	Unknown	3		7,527.44	
Hardware	Flue—Sparks from	1		10.00	
Hardware	Smoker's carelessness	1			
Hardware	Spontaneous combustion	1		25.00	
Harness	Unknown	1		21,450.56	
Jewelry	Smoker's carelessness	2		95.00	
Millinery	Gas plate	1		50.00	
Millinery	Spontaneous eombustion	1			
Paint	Re-kindle	1			
Paint	Smoker's carelessness	1		100.00	
Paint	Spontaneous combustion	1			
Paint	Unknown	1		44,391.38	
Produce	Stove—Hard fuel	1		75.00	
Second Hand	Smoker's carelessness	1		80.00	
Seed Store	Oil burner	1			
Stationery	Smoke scare	1			
Stationery	Unknown	1		39,581.00	
Vacaut	Incendiary	1		269.71	
Vacant	Smoker's carelessness	1		87.05	
Vacant	Thawing pipes	1	64		137,219.49
Street Car	Short circuit	8	8		
Tarpot	Overheated	7	7	350.00	350.00
Theatre	Electric motor	1			

CAUSES AND LOSSES OF FIRES AS PER OCCUPANCY—FISCAL YEAR, 1927—Continued

Occupancy	Cause of Fire	No. per Cause	No. per Occupancy	Loss per Canse	Loss per Occupancy
Theatre	Film explosion	4		$ 1,918.50	
Theatre	Smoke scare	1	6		$ 1,918.50
Vacant Lots	Bonfire	24			
Vacant Lots	Brush fire	19			
Vacant Lots	Dump fire	33			
Vacant Lots	Grass fire	127	203		
Warehouse	Blow torch	1			
Warehonse	Electric motor	1		31,384.10	
Warehouse	Engine—Sparks from	1			
Warehouse	Incendiary	1		2,378.75	
Warehouse	Matches	2			
Warehouse	Smoke scare	3			
Warehouse	Smoker's carelessness	1		1,769.00	
Warehouse	Spontaneous combustion	1			
Warehouse	Sprinkler (automatic)	2			
Warehouse	Stove pipe	1		132.00	
Warehouse	Unknown	1	15	46,091.81	81,755.66
Wholesale House	Unknown	1	1	37,712.88	37,712.88
Woodyard	Stove—Hard fuel	1	1	50.00	50.00
Totals			2028		$ 731,275.12

BUREAU OF GARBAGE DISPOSAL

Portland, Oregon, February 1, 1928.

HON. C. A. BIGELOW, COMMISSIONER OF PUBLIC AFFAIRS.

Dear Sir: I herewith submit the annual report of the Bureau of Garbage Disposal for the fiscal year ending November 30, 1927.

With the completion and successful operation of the Nye incinerator furnaces, the serious garbage disposal problem, faced by the City during the past few years, has been greatly relieved. The new plant is capable and has sufficient capacity to take care of the West Side garbage for many years to come. Preparations should be made at once and means provided for the construction of an incinerator on the East Side for the disposal of the East Side garbage. This matter can not be delayed too long as the Greeley Cut-Off fill will be completed in about two and one-half years, and there is no other suitable location for filling purposes in sight.

THE DUNIWAY PARK FILL

The Duniway Park fill was completed August 3, after four years' operation, at a cost of $54,451.21. Disposed at the fill during the four years' operation were 78,436 loads of garbage and refuse or 149,527 tons, 265,324 yards dirt, 50,000 yards building material, and 10,000 yards mill waste. Operations were carried on under all weather conditions.

ALBERTA STREET FILL

The Alberta street fill is located at Alberta street between East Thirty-ninth and East Fortieth streets. It had been formerly a gravel pit and covered an area of 200x200 feet and a depth of 60 feet at center of pit. Operations started August 4 and ceased October 11, due to the strenuous objections made by people living nearby. Disposed were during the short period of operation, 5842 loads garbage and refuse or 12,078 tons, hauled in were 9010 yards of dirt, and about 5000 yards of dirt were excavated from high dirt banks adjoining the fill and used for covering material. Operation expenses amounted to $3,955.38. One more month's operation would have completed the fill.

THE GREELEY CUT-OFF FILL

Due to the purchase of the Thirty Special caterpillar tractor, which is charged up to the 1927 operations cost, the operation cost of the past year is considerably higher than the cost of the preceding year. Disposed at this fill since its opening May 1, 1925, were 52,863 loads or 107,815 tons garbage and refuse, at a cost of $36,712.34. Owing to its location, very little dirt is hauled in from outside sources. During the winter months the ashes make up about 25 per cent of the volume of refuse delivered and they are used along with dirt as covering material.

THE INCINERATOR

Fires for trying out the fire brick work on the furnaces were started October 11; the official test started on October 31. Late delivery of

refuse to the plant and the refuse badly mixed with cans handicapped the test at the very beginning. The agreed standard mixture of 65 per cent garbage and 35 per cent rubbish did not come up to the standard; the percentage of rubbish fell far below the 35 per cent. The present demand for waste paper and the high prices for same gives inducement to scavengers to salvage all paper they can get. Considerable time is taken up in sorting and delivering the paper to the waste paper companies; this causes late delivery to the incinerator. Fires are seldom started before 10:00 A. M. and by 3:00 P. M. 75 per cent of the daily delivery is received at the plant. The 150 tons per twelve hours' operation were exceeded on three occasions in one week. The average cost of disposal per ton during the test was below the contract price of 75 cents per ton. The Nye incinerator was chosen for its simplicity of operation, low maintenance cost and low operation cost. Since the operation of the new furnaces the old cracks in the chimney have opened farther and new cracks have appeared; the cracks appear above the firebrick lining and run upward almost to the top; the chimney is only firebrick lined 15 feet up from its base instead of being lined the whole length. The new furnace is operated under a much higher temperature than the old Smith furnace was, and it appears that the chimney can not stand up under the higher temperature without a firebrick lining. It may be necessary to construct a new firebrick lined chimney.

Lately a number of scavengers have started to salvage paper from wrapped garbage of homes and apartment houses, using the streets for unwrapping the bundles. This practice should be stopped, as it robs the garbage of its fuel, but also from the sanitary standpoint. Under the present system of collection the incinerator can not be operated very economically; there is no regular system of delivery; one load may be received one hour and twenty loads the next hour. It is practically impossible to enforce ordinance covering segregation and delivery of garbage and refuse; the scavengers will protect their customers at all times; violations occur daily. Portland is one of the four larger cities in the country that permit private licensed collectors to do the entire collection of the City's waste.

Attached you will find tabulated statement of amount of work performed and the cost thereof.

Respectfully submitted,

WILLIAM G. HELBER,
SUPERINTENDENT.

STATISTICAL REPORT BUREAU OF GARBAGE DISPOSAL—FISCAL YEAR, 1927

Total Operating Expense—

Salaries	$36,995.79
Supplies and repairs	5,326.89
Equipment	3,900.00
Total expense	$46,222.68

Operating Cost—

Incinerator	$ 8,573.29
Dump and ground	3,968.13
Duniway Park fill	12,009.88
Greeley Cut-Off fill	17,716.00
Alberta Street fill	3,955.38
Total operating cost	$46,222.68

Cost of Disposal per Ton—

Labor	$ 0.31
Supplies and repairs	0.05¼
Equipment	0.04
Total average cost of disposal per ton	$ 0.40¼

Cost of Disposal per ton at Fills—

Labor	$ 0.27½
Supplies and repairs	0.05¾
Equipment	0.04¼
Total cost of disposal per ton at fills	$ 0.37½

Cost of Disposal Per Ton by Incineration—

Labor	$ 0.71½
Supplies and repairs	0.01¼
Equipment	0.01
Total cost of incineration per ton	$ 0.73½

Amount of garbage and rufuse disposed, tons	98,733
Average amount disposed per day, tons	322½
Number of loads received	48,997
Average number loads received per day	160½
Amount disposed at fills, tons	90,485
Amount disposed at fills per day, tons	295
Amount disposed at the incinerator, tons	8,247¾
Amount disposed at the incinerator per day, tons	42½
Percentage amount disposed at fills	91
Percentage amount disposed at the incinerator	9
Non-combustible refuse disposed on incinerator dump, yards	16,700
Combustible refuse burnt on dump, loads	7,850
Dirt received at Duniway Park fill, yards	35,500
Dirt received at Alberta Street fill, yards	9,010

Garbage and Refuse Disposed at Each Disposal Place—

Incinerator, tons	8,247¾
Duniway Park fill, tons	32,451
Greeley Cut-Off fill, tons	42,955¾
Alberta Street fill, tons	12,078½
Total tons disposed	95,733

Number Loads Received—

Incinerator	6,240
Duniway Park fill	15,428
Greeley Cut-Off fill	21,487
Alberta Street fill	5,842
Total number loads received	48,997

Revenue Received from Disposal of Garbage and Sale of Paper—

Garbage, 270½ tons at $1.00 per ton	$ 270.50
Paper	47.15
Total	$ 317.65

STATEMENT OF APPROPRIATION AND EXPENDITURES

	Total Appropriations Including Transfers	Total Encumbrances	Unincumbered Balance
Personal service	$ 37,184.50	$ 36,995.79	$ 188.71
Operation and maintenance	5,340.00	5,326.89	13.11
Equipment	3,900.00	3,900.00	
	$ 46,424.50	$ 46,222.68	$ 201.82
Garbage Crematory Fund	$123,277.61	$113,026.44	$ 10,251.17

ORGANIZATION OF BUREAU OF GARBAGE DISPOSAL FOR THE YEAR ENDING NOVEMBER 30, 1927

Superintendent	1
Assistant superintendent	1
Foremen laborers (dump foremen)	2
Tractor drivers	2
Laborer-firemen	7
Laborers	9

BUREAU OF GARBAGE DISPOSAL EQUIPMENT—NOVEMBER 30, 1927

Incinerator, 150-ton capacity	1
Holt tractor, four-ton caterpillar	1
Holt tractor, five-ton caterpillar	1
Caterpillar tractor, special thirty	1
New equipment purchased during the year:	
Caterpillar tractor, special thirty	1

OPERATION OF INCINERATOR

Operation Cost of Incinerator—

Salaries	$5,877.09
Supplies	107.04
Equipment	77.91
Total operating cost	$6,062.04

Cost of Incinerator Per Ton—

Labor	$ .7125
Supplies	.0125
Equipment	.01
Total average cost of disposal per ton	$ .7350

Cost of Supervision and Labor on Reconstruction of Incinerator—

Salaries	$2,511.25

Garbage and refuse incinerated, tons	8,247½
Amount incinerated per day, tons	42½
Number loads received	6,240
Number loads received per day	32

Animals Incinerated—

Horses	24
Cows	8
Dogs	1,592
Cats	1,187
Goat	1
Calf	1

INCINERATOR DUMP AND GROUND

Salaries	$3,960.50
Supplies	7.63
Total operation cost	$3,968.13

Refuse Disposed on Dump—

Estimated amount of non-combustible refuse disposed, yards	16,700
Combustible refuse burned on dump, loads	7,850

DUNIWAY PARK FILL

Completed August 4, 1927

Operating Cost—

Salaries	$ 9,910.49
Supplies and repairs	2,095.16
Equipment	4.23
Total operating cost	$12,009.88

Cost of Disposal Per Ton—

Labor	$ .3075
Supplies and repairs	.0650
Total average ost of disposal per ton	$ .3725

Estimate damount of garbage and refuse disposed, tons	32,451
Average amount disposed per day, tons	156
Number loads received	15,428
Average number loads received per day	74
Number yards of dirt received	35,500
Average number yards received per day	151

GREELEY CUT-OFF FILL

Operating Cost—

Salaries	$11,642.36
Supplies and repairs	2,296.44
Equipment	3,772.20
Total operating cost	$17,716.00

Cost of Disposal Per Ton—

Labor	$ .2525
Supplies and repairs	.05
Equipment	.0825
Total average cost of disposal per ton	$ .3850

Estimated amount of garbage and refuse disposed, tons	45,955
Average amount disposed per day, tons	150
Number loads received	31,487
Average number loads received per day	67

ALBERTA STREET FILL

(4 months' operation)

Operating Cost—

Salaries	$ 3,094.10
Supplies and repairs	822.35
Equipment	38.93
Total operating cost	$ 3,955.38

Average Cost of Disposal Per Ton—

Labor	$ .2550
Supplies and repairs	.0671
Equipment	.0032
Total average cost of disposal per ton	$ .3253

Estimated amount of garbage and refuse disposed, tons	12,078½
Average amount disposed per day, tons	185¾
Number loads received	5,842
Average number loads received per day	90
Number yards dirt received	9,010

FINANCIAL STATEMENT—BUREAU OF GARBAGE DISPOSAL—DECEMBER 1, 1926, TO NOVEMBER 30, 1927

		Incinerator	Dump and Grounds	Duniway Park Fill	Greeley Cut-off Fill	Alberta Street Fill	Grand Total
Personal Services—							
Salaries	A-1	$ 8,388.34	$ 3,960.50	$ 9,910.49	$11,642.36	$ 3,094.10	$ 36,995.79
Supplies	B-1	87.16	.....	.....	.....	.....	87.16
	6	2.65	.....	235.74	655.05	291.55	1,184.99
	7	.....	3.50	.....	.....	.....	3.50
	10	6.10	.....	.75	44.94	4.00	55.79
Material	C-1	.....	.....	331.18	165.60	124.80	621.58
	3	.....	.....	.....	15.94	.....	15.94
	4	7.48	2.25	175.00	.....	62.50	247.23
Equipment	D-5	.....	.....	.....	3,375.00	.....	3,375.00
	7	77.91	1.88	4.23	402.20	38.27	525.15
Repairs	E-2	.....	.....	.....	71.81	.....	71.81
	E-3	.....	.....	1,227.05	1,277.72	248.27	2,753.04
Car Fare	E-6-e	3.65	.....	.....	.....	.....	3.65
Transportation	E-6-f	.....	.....	.....	.....	29.25	29.25
General Plant	E-8	.....	.....	35.44	.....	.....	35.44
Contingencies	F	.....	.....	90.00	65.38	61.98	222.36
Total		$ 8,573.29	$ 3,968.13	$12,009.88	$17,716.00	$ 3,955.38	$ 45,222.68

BUREAU OF STREET CLEANING

Portland, Oregon, Feb. 10, 1928.

MR. C. A. BIGELOW, COMMISSIONER DEPARTMENT OF PUBLIC AFFAIRS.

Dear Sir: There is submitted herewith the annual report of the Bureau of Street Cleaning for the fiscal year ending November 30, 1927.

With the addition of two 1½-ton Federal trucks, T-15 and T-16, together with one 2½-ton Republic truck, T-3, our pick-up service has been materially increased. On this equipment there was turned in as part of the purchase price, old Ford truck T-8. At one time the small Ford trucks fitted into our organization very economically, but now, owing to the distance between dumps and the resulting long hauls, we find the larger trucks to be better adapted to our purpose.

Heretofore, all pick-up trucks in the Bureau were provided with hand hoists, but the trucks purchased during the past year are equipped with power hoists. This feature, we find, is not only a measure of safety but also permits the construction of a lower body, thus resulting in better loading accessibility as well as quicker and easier operation of the truck. The bodies constructed on trucks T-15 and T-16 have each the following dimensions, 9 feet 6 inches by 5 feet by 1 foot 2 inches, and are 54 inches high to the top of the bed. Truck T-3 is 12 feet by 5 feet 2 inches by 1 foot 4 inches and is 59 inches high. In comparison, F. W. D. truck, T-1, which belongs to the United States Government and which the Bureau has been operating since the late war under lease through the State Highway Department, has a height of 63 inches to the bed. The F. W. D. truck, while having given good service for several years, has now reached a point where the maintenance cost is prohibitive and in all probability will be returned to the State Highway Department during the coming year.

We are still operating with eight double unit auto flushers, on a two-shift basis, the ninth flusher being held in reserve for emergency purposes, or when one of the regular flushers is in the shop for repairs. This allows us to give our equipment proper attention and keep it in working condition. All the flushers are in fairly good shape at this time.

To the 566 miles of hard surface pavement in the City there was added during the year 46 miles, making a total of 612 miles of hard surface. There are also within the City limits a total of 30 miles of hard surface and 25 miles of macadam County roads not included in the first figure, as well as 90 miles of macadam streets. Hard surface streets are cleaned at regular intervals varying from one to ten days, according to location, while macadam streets are cleaned once a month or in some instances every two months.

The County has recently completed the new Burnside Bridge which has a series of tunnels at the westerly end, for the use of pedestrians. These are located at the intersections of First, Second and Third Streets. Similar tunnels have been constructed at both the east and

west approach to the Broadway Bridge, also at Broadway and Larrabee Street and one crossing on Interstate Avenue. These all demand special attention and are cleaned regularly either by being swept or scrubbed, according to their particular needs.

Among the items of obsolete equipment listed as disposed of during the year are six horse-drawn flushers and three horse-drawn snow plows. These were sold at one of the regular City auctions, and ends for probably all time the regime of horse-drawn apparatus in connection with street cleaning in Portland. Five of the old flushers were purchased by the State Highway Commission, while the plows were turned over to a grading contractor. Both were considered highly efficient before the advent of the automobile but have no place in the present epoch of motorized vehicles. Motorization of all our street cleaning equipment has proven that the auto flusher properly operated will not only clean the streets as well as did the horse-drawn flusher, but will do it more quickly and at a less unit cost.

Much is being said and written concerning the so-called mechanical sweeper, of which there are several different makes on the market. It is claimed by the backers of these machines that the operating and maintenance cost is much less than that of an auto flusher and crew. Granting that to be true, there is grave doubt as to whether or not the sweeper would clean as thoroughly as does the auto flusher. It would also be far less effective on a street having parked automobiles, as a flusher has the advantage of washing most of the dirt from beneath the car and into the gutter. It is more than likely that these mechanical sweepers can be operated to better advantage in cities having less abundant water supply than Portland. This matter is mentioned at this time for the reason that some of the larger cities are using this equipment and it will undoubtedly be brought to your attention in the near future.

We were very successful during the past season in collecting and disposing of leaves. This was partly due to the fact that the leaves began falling late in the summer and came down gradually over a period of two months, affording ample opportunity for their removal. Home owners, too, and those who are cultivating vacant lots are just beginning to realize the value of leaves as a fertilizing agency. They make an excellent mulch and serve as a protection when placed around rose bushes and shrubbery. Orders for leaves were more numerous than ever before. It is quite important, also, that we have places to dump these leaves at points within a reasonable distance of where they are picked up, otherwise it would be an endless task with the equipment at hand. Thus, co-operation along this line works to the advantage of both the lot owner and the Street Cleaning Bureau.

In regard to the subject of dumps, it will not be long before our present locations for disposing of street sweepings will have been filled and new locations must be found. Arrangements have been completed for such a dump at East Sixty-seventh and Halsey Streets. This is an excellent location, away from main travel and is in a non-residence section. It should serve our purpose for several years. However, this dump is not adequate to care for the entire East Side and

steps should be taken to procure locations, outside the City limits if necessary, in order to take care of future needs in this regard.

During the year there were three unusually heavy rain storms. These occurred in the months of June, September and October. Each of these storms amounted to almost a cloudburst in magnitude and resulted in the catch-basins and sewers becoming clogged. The condition caused much damage to macadam streets. Great quantities of mud and dirt were washed down from the hills and from unimproved and graded streets, the material being deposited on the adjacent improved streets causing the Bureau considerable trouble and expense in its removal.

In addition to the rain storms, the year was ushered in by a snow storm in the month of January, or rather two separate storms. The first lasted only two days, January 19 and 20, the second storm extending from January 23 to 25. The combined snowfall during these storms was 16.1 inches and the Weather Bureau reports that this volume has been exceeded in Portland but once since the year 1895, one continuous storm in 1919 at which time a fall of 17.5 inches was recorded. Because of the separate falls much of the work was gone over twice and in some instances three times. Extra crews were put on the snow removal, beginning with the night of January 19. The total expense of the storm, due primarily to extra labor and truck hire, was $17,390.30. This was in addition to work performed by trucks and regular employes of the Bureau, and is consequently not included in the expenditures from the budget appropriation of the Street Cleaning Bureau.

The snow storm of January proved beyond the possibility of a doubt the advisability of having proper equipment for removing snow. With this thought in mind, the City Council authorized the purchase during the year of seven auxiliary snow plows. This equipment is now in place and consists of one Kilfer tractor plow for five-ton Holt, one Champion and five Baker straight-blade snow plows, purchased at a cost of $2608.37, paid from the General Fund. Our home-made snow plows which were formerly used were a makeshift to say the least and were at no time satisfactory. They are still in the possession of the Bureau but will be auctioned as junk.

Your attention is directed to the crowded condition of our East Side Garage. Every foot of available space in this garage is used for truck storage and yet it is much too small for our purpose. Much of the equipment used on the east side of the river must therefore cross the bridges twice daily in order to reach the West Side Garage. This entails a loss of considerable time. Hence, it would be a good investment on the part of the City if funds were provided in our next annual budget to construct an addition to our East Side Garage, similar to the present building.

Attached hereto is a statement showing the amount of work performed during the past year by the Bureau of Street Cleaning and the cost of such work, also a statement of finances, the number of men employed and amount of equipment operated.

Respectfully submitted,

GEO. A. RIES,
SUPERINTENDENT OF BUREAU OF STREET CLEANING.

TABLE SHOWING WORK PERFORMED BY STREET CLEANING BUREAU AND COST OF SAME

	Number Miles Cleaned	Number Sq. Yds. Cleaned	Number Cu. Yds. Dirt Removed	Total Cost	Cost per Mile	Cost per 1000 Sq. Yds.
Patrol sweeping	3,376	67,520,000	1,248	$ 28,330.61	$ 8.39	$ .419
Hand sweeping	4,039	80,797,000	4,201	20,391.62	5.04	.252
Auto Machine Flushing	36,650	733,015,000	25,060	188,257.28	5.13	.256
Totals—Hard Surface Streets	44,065	881,332,000	30,509	$ 236,979.51		
Macadam and Gravel Streets	517	10,347,000	3,805	$ 21,543.32	$41.67	$2.083
Cleaning Catch-basins	38,772 units		1,842	7,068.74		.182 ea.
Removing Snow			6,366	10,514.76		
Cleaning Streets and Catch-basins, total cost				$ 276,106.33		
General Plant and Equipment				9,542.82		
Cleaning Cost Suspense Credit				1,210.44		
Grand Total Cost				$ 286,859.59		

OFFICERS AND EMPLOYES FOR THE YEAR 1927

1 superintendent
1 clerk
4 district foremen
1 assistant foreman
1 shop foreman
1 blacksmith
36 auto flusher-truck drivers
115 laborers

AUTO EQUIPMENT IN OPERATION DURING THE YEAR 1927

9 auto flushers
2 catch-basin eductors
3 1-ton Ford trucks
7 1½-ton trucks
1 2½-ton truck
2 3½-ton trucks
1 5-ton truck
1 5-passenger Oldsmobile coach
3 Ford roadsters
2 Ford service cars

AUTO EQUIPMENT PURCHASED DURING THE YEAR 1927

2 1½-ton trucks—T-15 and T-16
1 2½-ton truck—T-3
7 snow plows (auxiliary)

EQUIPMENT DISPOSED OF DURING THE YEAR 1927

1 1-ton Ford truck turned in on trucks T-15 and T-16
6 horse-drawn flushers—auctioned
3 horse-drawn snow plows—auctioned

STATEMENT OF APPROPRIATIONS, EXPENDITURES AND BALANCES FOR FISCAL YEAR 1927

	Final Appropriation	Encumbrance	Balance
Executive and Clerical—			
Personal service	$ 14,220.00	$ 14,220.00	
Operation and maintenance	1,900.10	1,868.24	$ 31.86
Equipment	25.00	7.37	17.63
Cleaning Streets—			
Personal service	225,304.17	225,131.61	172.56
Operation and maintenance	36,186.58	34,245.18	1,941.40
Equipment	11,994.00	11,387.19	606.81
Totals	$289,629.85	$286,859.59	$2,770.26

BUREAU OF MUNICIPAL SHOP

MR. C. A. BIGELOW, COMMISSIONER OF PUBLIC AFFAIRS.

Dear Sir: I herewith submit to you a report for the year ending November 30, 1927, of the various work performed at the Municipal Shop for the various departments as follows:

	Labor	Material	Total
Bureau Police	$ 2,458.67	$ 1,800.72	$ 4,259.39
Auditorium	101.94	35.71	137.65
Bureau of Water	1,657.96	259.14	1,917.10
Bureau of Health	2,271.40	928.87	3,200.27
Bureau Weights and Measures	70.58	27.51	98.09
Public Works	5,347.44	2,855.23	8,202.67
Bureau of Paving Plant	1,488.43	930.24	2,418.67
City Planning Commission	13.09	3.35	16.44
Engineers Rotary	11.23	4.17	15.40
Bureau of Parks	2,469.35	2,566.93	5,036.88
Store Rotary	305.62	199.41	505.03
Store Expense	113.94	44.57	158.51
Auditor's Room 207	13.85	.63	14.48
Bureau of License	23.60	18.42	42.02
Treasurer	5.10	.....	5.10
Municipal Garage	3.94	4.98	8.92
Garbage	1,513.20	1,599.82	3,113.02
Street Cleaning Bureau	6,260.88	4,859.82	11,120.70
Public Market	29.41	13.45	42.86
Fire	35,085.98	21,423.27	56,509.25
Municipal Shop Expense	3,439.22	5,821.18	9,260.40
Total	$62,685.43	$43,397.42	$106,082.85

The following equipment was purchased and installed out of our Shop Rotary Fund:

For Instrument Room—	
One bench miller	$ 748.50
One bench lathe	152.15
One power drill press	160.00
One punch press	367.00
One 3 H. P. motor	74.16
One 1 H. P. motor	42.66
New counter shaft	27.15
New switch complete	18.44
Screw slotting attachment	17.50
Make jigs and set-up machinery	1,306.79
For Blacksmith Shop—	
One anvil	62.00
New forge and blower pipe complete	132.82
Small tools, etc	34.31
For Machine Room—	
New chuck for lathe	50.25
Small tools and drills	73.31
For Carpenter and Paint Shop—	
One 1/3 H. P. motor	71.31
Small tools	.....
For Auto Shop—	
One dolly	245.00
Small tools, etc	127.71
For Building—	
Three new toilets and repair to	726.93
Paint shop and instrument room	46.50
Black & Decker drill	150.61
Small tools and drills, tool room	2,963.00
Shop holidays and vacations	7,623.59

After paying for the above equipment the Shop has a surplus fund of $1450.21 in and above the original Rotary Account.

Respectfully submitted,

W. J. PHILLIPS,
MASTER MECHANIC.

CARROLL PUBLIC MARKET

MR. C. A. BIGELOW, COMMISSIONER OF PUBLIC AFFAIRS.

Dear Sir: The following is the annual report of the Carroll Public Market for the year ending November 30, 1927:

RECEIPTS

December, 1926	$ 1,093.60
January, 1927	911.65
February, 1927	908.55
March, 1927	1,076.40
April, 1927	1,100.45
May, 1927	1,094.20
June, 1927	1,326.25
July, 1927	1,191.15
August, 1927	1,247.30
September, 1927	1,155.80
October, 1927	1,210.35
November, 1927	1,141.55
	$13,457.25
Garbage collection	966.00
	$14,423.25
The expense of personal service was	$ 5,421.48
The expense of maintenance was	3,599.42
The total expense was	$ 9,020.90
Leaving a net balance of	$ 4,402.35

There were approximately 74,000 producers represented on the market from time to time.

As in the past, there has been a steady inquiry for space that we have been unable to supply.

During the year extensive repairs have been undertaken and completed. Seven hundred feet of new tables and platforms have been installed. Two-thirds of the old curtains have been replaced, and three hundred feet of new roof has been put on where most needed. Within the next two years the remainder of the roofs will need replacing. They have been on for the past fourteen years and, being of light material, they are or will be in such condition that replacement will be necessary.

Respectfully submitted,

J. A. EASTMAN,
MARKET MASTER.

PUBLIC EMPLOYMENT BUREAU

ANNUAL REPORT OF THE PUBLIC EMPLOYMENT BUREAU OF THE CITY OF PORTLAND, THE U. S. EMPLOYMENT SERVICE CO-OPERATING, FOR THE YEAR ENDING NOVEMBER 30, 1927.

To the Honorable City Council, City of Portland.

Total placements for the year were as follows:

Men's Division	24,563
Women's Division	2,288
Total	26,851

Total of both departments divided by months were as follows:

	Men's Division	Women's Division
December, 1926	1,347	126
January, 1927	4,182	121
February, 1927	1,172	118
March, 1927	1,471	157
April, 1927	1,790	128
May, 1927	1,742	159
June, 1927	1,974	285
July, 1927	2,138	327
August, 1927	2,288	270
September, 1927	2,619	251
October, 1927	2,455	219
November, 1927	1,386	127
	24,563	2,288

A compilation of our daily records discloses the fact of the total, 1056 people were sent to regular farm places, 3600 to farms for seasonal crop work and harvest, 4921 were placed in skilled or semi-skilled positions, the balance being sent out on common labor and on jobs of short duration.

Copies of our monthly report are being sent regularly to several newspapers, all civic clubs and social service organizations and to a list of about 300 large employers; these reports covering our activities for the preceding month and explaining employment conditions.

As a result of our co-operation with the U. S. Employment Service, stationery and postal frank for this work is furnished us free of expense.

While our placements for the year were slightly in excess of the previous year, it should not be accepted as an indication of an increase in percentage employment. During the preceding year and in 1925 there were times when we were short of workers to fill orders, while during 1927 and so far in 1928 our applications for employment have at all times greatly exceeded our placements.

The condition of unemployment prevailing for the last several months is not peculiar to Portland alone, but is common to all western cities, due, some authorities say, to the let-down in auto production in

the East, causing a heavy movement of migratory workers from the East to California first and then up the coast in numbers far too great to be absorbed by the Northwest, especially during a period of limited lumber production.

In these days of cheap gasoline and low priced cars, the publicity given to the erection of even a minor project will bring in many more workers than could be used even though we were short of lahor. So great has been the influx that some of our labor unions have felt compelled to send out notices to eastern unions describing conditions in their particular crafts.

The City Council is to be commended on its position taken in the case of the California Petroleum Company, on insisting on the employment of local labor in the erection of that plant, and also in its action in the case of the car-building contract, as these two jobs will help some.

It would seem to me that public work undertaken by the State or by any political subdivision thereof, if it be possible, should be performed in the slack months of the year, say in November, December, January and February, and that to prevent an unreasonable movement of itinerant workers from one state to another, that the States of Oregon, California and Washington pass a similar law, forbidding the employment on this public work to other than proven citizens of the State, where same are available, and that the Labor Commissioner or some other designated official be empowered to examine payrolls and enforce citizenship requirements. This plan carried into effect would serve the double purpose of somewhat limiting the nnwise wanderings of workers in dull periods and compel each State to look after its own unemployed.

Unemployment with its attendant evils should be the concern of all good citizens, including employers and the strategic policy to pursue would be that of reducing the work week of all employes during the slack periods rather than lay them off. It would be vastly less harmful to reduce the working time of all employes 25 per cent than to throw 25 per cent of them out during these periods. This policy followed up would preserve intact the proper and experienced working force for the time of peak demand and would prove economical in the end as well as more humane in its operation and should be made to apply to all instittntions and corporations, either private, public or semi-public.

The continued introduction of labor saving machinery and improved methods of manufacturing and merchandising will continue to add unemployment and possibly the five-day week as advocated by Henry Ford, by John J. Raskob of General Motors and by many leading trade unionists, is the logical correction at some future time.

Respectfully submitted,

ARTHUR W. JONES,
Director, Public Employment Bureau.

ANNUAL REPORT

OF THE

AUDITOR OF THE CITY OF PORTLAND, OREGON

FOR THE FISCAL YEAR ENDING
NOVEMBER 30, 1927

OFFICE OF THE CITY AUDITOR

GEO. R. FUNK
AUDITOR

ACCOUNTING DIVISION—

AUDITING DIVISION—

SPECIAL ASSESSMENT DIVISION—

CLERK OF THE COUNCIL—

Account No.	Name of Fund	Balance Dec. 1, 1926	Received by Transfer	Receipts	Disbursements	Disbursed by Transfer	Balance Nov. 30, 1927	Warrants Outstanding Dec. 1, 1926	Warrants Drawn	Warrants Paid	Warrants Cancelled	Warrants Outstanding Nov. 30, 1927
1.	General Fund	$ 446,369.67	$ 901,252.31	$ 9,028,138.02	$ 9,375,003.98	$ 473,460.95	$ 527,295.07	$ 350,913.19	$ 9,425,838.93	$ 9,374,926.48	$ 1,529.23	$ 400,296.41
2.	Bonded Indebtedness Interest Fund	155,838.34	21.36	526,453.90	445,298.01	.....	237,015.59	20.14	222.73	205.51	17.49	19.87
3.	Sinking Fund	101,269.67	47,508.32	409,437.81	434,032.33	.....	124,183.47	.....	374,032.33	374,032.33	.....	.....
4.	Playgrounds and Parks Fund	14,947.58	15,148.64	119,641.43	108,120.96	16,777.92	24,838.77	3,662.43	109,706.23	108,120.96	.....	5,247.70
5.	Special Bridge Fund	8,097.35	6,878.50	159,711.89	24,155.55	26,120.85	124,411.34	.....	30,935.60	24,155.55	.....	6,780.05
6.	Public Auditorium Fund	6,543.59	16,510.22	26,439.72	44,303.07	1,890.82	3,299.64	5,774.40	41,513.11	44,303.07	.....	2,984.44
7.	Fire Department Construction Fund	7,275.47	11,700.00	129.41	4,500.00	7,200.00	7,404.88	.....	4,500.00	4,500.00	.....	.....
8.	Fire Department Construction Fund No. 2	.....	12,200.00	344,320.48	188,311.42	28,782.66	139,426.40	.....	215,181.12	188,311.42	.....	26,869.70
9.	Park and Boulevard Construction Fund	3,853.93	.....	320.20	603.80	1,643.90	1,926.43	.....	896.00	603.80	.....	292.20
10.	Water Fund	610,710.69	879,068.37	1,521,523.22	2,243,179.90	268,045.58	500,076.80	121,734.03	1,558,702.67	1,593,832.40	132.45	86,471.85
11.	Water Bond Sinking Fund	45,219.36	20,000.00	540,810.91	508,896.78	.....	97,133.49	.....	505,896.78	505,896.78	.....	.....
12.	Bill Posting Badge Fund	384.00	.....	4.00	4.00	384.00	.....	.....	.....	.....	.....	.....
13.	Redemption Fund	13,470.22	473.03	102,472.23	111,003.41	.....	5,412.07	11,672.98	101,568.87	111,003.41	100.55	2,137.89
14.	Assessment Collection Fund	402,134.94	273.80	341,643.03	636,932.43	1,378.38	105,740.96	74,301.00	371,992.07	433,932.43	4,000.44	8,360.20
15.	Municipal Paving Improvement Fund	.....	.....	40,000.00	.....	40,000.00	.....	.....	.....	.....	.....	.....
16.	Women's Detention Home Fund	998.99	.....	19.79	.....	.....	1,018.78	.....	.....	.....	.....	.....
17.	Municipal Paving Rotary Fund	45,053.35	211,291.24	169,175.57	278,825.02	97,242.17	49,452.97	20,982.13	275,639.75	278,825.02	1.21	17,795.65
18.	Eastmoreland Golf Fund	9,655.92	13,836.60	44,597.42	52,530.30	3,482.66	12,076.98	2,440.17	38,877.71	37,010.30	2.08	4,305.50
19.	West Hills Golf Fund	1,604.44	201.86	13,105.16	10,477.39	2,373.55	2,060.52	1,062.45	10,391.62	10,477.39	.....	976.68
20.	Rose City Golf Fund	6,096.43	31,749.13	111,574.54	56,068.87	81,946.59	11,404.64	1,413.41	56,837.13	56,068.87	.....	2,181.67
21.	Auto Camp Fund	6,057.70	.....	108.31	1,521.41	393.28	4,251.32	370.29	1,202.84	1,521.41	.....	51.72
22.	Garbage Crematory Fund	2,718.77	.....	121,121.76	6,290.41	1,685.23	115,864.89	.....	9,113.21	6,290.41	.....	2,822.80
23.	U. S. Grant Property Sales Fund	5,167.39	.....	2,228.32	660.46	.....	6,735.25	15.00	645.46	660.46	.....	.....
24.	Water Construction Fund	197,607.40	201,876.95	2,008,941.31	815,114.45	909,842.48	683,468.73	89,036.84	827,203.12	815,114.45	.....	101,125.51
25.	Broadway Bridge Fund	4,864.41	.....	268.71	.....	.....	5,133.12	.....	.....	.....	.....	.....
26.	Civic Emergency Fund	214.03	.....	9,387.16	9,037.09	.....	564.10	.....	10,037.09	9,037.09	500.00	500.00
27.	Nellie Robinson Fund	558.43	.....	8.03	165.00	.....	381.46	185.00	.....	185.00	.....	.....
a28.	Mt. Hood Ry. & Power Co., Street Repair Fund	1,000.00	.....	.....	.....	.....	1,000.00	.....	.....	.....	.....	.....
29.	Gantry Crane Fund	.....	13,250.00	25.46	12,984.75	.....	290.71	.....	13,276.42	12,984.75	.....	291.67
30.	Bridge Access Fund	38,249.05	2,647.52	757.93	16,825.02	7,597.08	17,232.40	.....	16,900.02	16,825.02	.....	75.00
31.	Bridge Access Fund No. 2	298,539.97	33,277.12	643,042.86	405,191.91	548,354.84	21,313.20	63,491.11	343,796.90	405,191.91	.....	2,096.10
32.	Fire Boat and Fire Mains Fund	118.61	.....	2.11	.....	.....	120.72	.....	.....	.....	.....	.....
33.	Health Teacher's Fund	1,376.33	.....	13,649.59	13,646.24	.....	1,379.68	1,375.00	13,646.24	13,646.24	.....	1,375.00
34.	Firemen's Salary Increase Fund	.....	164,898.45	203,286.14	.....	368,184.59	.....	.....	.....	.....	.....	.....
35.	Policemen's Salary Increase Fund	.....	123,325.27	148,746.76	.....	272,072.03	.....	.....	.....	.....	.....	.....
36.	Police Traffic Signal Fund	.....	.....	101,884.12	93,361.69	3,920.14	4,602.29	.....	94,958.63	93,361.69	.....	1,596.94
37.	Paving Fund	2,698.85	421.82	161,346.36	161,853.93	121.77	2,491.33	75,298.66	116,066.07	161,853.93	22,233.14	7,277.66
38.	Street Improvement Fund	67,632.59	425.95	2,188,474.82	2,075,120.54	1,930.14	179,482.68	877,937.95	2,545,213.47	2,075,120.54	282,695.45	1,065,335.43
39.	Sewer Fund	12,586.10	304.30	930,524.31	875,921.16	126.45	67,367.10	522,352.50	1,484,486.79	875,921.16	224,394.21	906,523.92
40.	Street Extension Fund	21,781.89	535,325.76	271,231.00	695,258.96	32,375.54	100,704.15	16,273.78	753,477.11	695,258.96	12,396.15	62,095.78
41.	Street and Sewer Interest Fund	137.67	5.00	72,108.04	68,251.61	69.67	3,929.43	1.37	2,060.54	2,089.59	.95	1.37
42.	Improvement Bond Sinking Fund	230,768.76	1,177.41	1,178,710.94	1,282,716.80	41,242.75	86,697.56	167.21	1,568.97	1,592.42	38.99	104.77
43.	Improvement Bond Interest Fund	45,208.01	807.54	367,592.40	374,866.78	18,729.18	20,011.99	212.92	751.45	760.84	4.58	198.95
44.	Improvement Bond Sioking Fund, St. Johns	.....	41,186.51	.....	.....	41,186.51	.....	.....	.....	.....	.....	.....
45.	Improvement Bond Sinking Fund, Linnton	69.27	.....	1,255.49	.....	1,300.00	24.76	.....	.....	.....	.....	.....
46.	Lighting Bond Sinking Fund	15,325.43	.....	57,061.81	7,558.04	.....	64,829.20	.....	7,558.04	7,558.04	.....	.....
47.	Lighting Bond Interest Fund	.....	13,742.53	160.77	7,340.32	.....	6,562.98	.....	.....	.....	.....	.....
48.	Street Extension Bond Sinking Fund	1,247.61	.....	1,407.41	2,522.05	132.97	.....	.33	.....	.....	.33	.....
49.	Street Extension Bond Interest Fund	196.93	.....	715.24	121.34	790.83	.....	.11	.....	.....	.11	.....
50.	Improvement Bond Sinking and Interest Fund	200.79	.....	.....	.....	.....	200.79	.....	.....	.....	.....	.....
	Totals	$ 2,833,849.93	$ 3,300,785.51	$21,983,565.89	$21,448,597.18	$ 3,300,785.51	$ 3,368,818.64	$ 2,240,694.40	$19,364,725.02	$18,341,179.63	$ 548,047.36	$ 2,716,192.43

a.—Amount desposited as guarantee that streets disturbed in constructing conduits will be properly replaced.

Respectfully submitted,

GEO. R. FUNK,
AUDITOR OF THE CITY OF PORTLAND.

OFFICE OF THE CITY AUDITOR

Dec. 15, 1927.

To the Honorable Mayor and Council:

Gentlemen: In accordance with the provisions of Section 66 of the City Charter, I transmit herewith my annual report for the fiscal year ending November 30, 1927.

Respectfully submitted,

GEO. R. FUNK,
Auditor of the City of Portland.

STATEMENT OF RECEIPTS, DISBURSEMENTS AND APPROPRIATIONS FOR YEAR ENDING NOVEMBER 30, 1927

GENERAL FUND

Balance December 1, 1926		$ 446,369.67
RECEIPTS		
Property Taxes—		
Taxes, current	$ 3,372,697.29	
Taxes, advance	13,417.42	
Taxes, 1926	351,014.84	
Taxes, delinquent	76,379.53	3,813,509.08
Interest—		
Interest on delinquent taxes	10,404.67	
Interest on deposits	6,894.40	
Interest on warrants	815.12	
Interest on assessments	894.90	19,009.09
Licenses—		
General licenses	145,420.41	
Dog licenses	27,668.95	
Registration electrical contractors	1,910.00	
Electrical dealers' licenses	2,790.00	177,789.36
Franchises—		
Portland Gas & Coke Co	100.00	
Portland Electric Power Co	19,048.00	
Oregon Electric Co	6,785.00	
Oregon-Washington R. R. & N. Co	257.00	
Southern Paciifc Co	2,500.00	
Spokane-Portland & Seattle Ry. Co	500.00	
Northwestern Electric Co	62,462.09	
United Railway Co	1,408.35	
Linnton Transit Co	100.00	
Pacific Telephone & Telegraph Co	15,000.00	
Portland Heating Co	5.00	
Central Heating Co	50.00	108,215.44
Use of Streets—		
Southern Pacific Co	26.00	
Portland Electric Power Co	60.00	86.00
Crossing Bridges—		
Morrison Bridge	11,708.85	
Hawthorne Bridge	18,133.62	
Broadway Bridge	9,727.95	39,570.42
Fees and Fines—		
Municipal Court	191,710.04	
Pound fees	4,201.15	
Building permits	35,370.37	
Electrical permits	30,459.81	
Sidewalk permits	1,008.75	
Plumbing permits	24,255.50	
Sewer permits	2,359.50	
Bill board permits	252.90	
Telephone tolls	23.55	
Comfort stations	568.03	
Badges	139.00	
Driveway permits	6.40	
High frequency electric permits	86.50	290,441.50
Public Improvements—		
Premium on bonds	99,414.88	
Cost of advertising delinquent assessments	6,415.32	
Paving plant revenue	11,253.71	117,083.91

STATEMENT OF RECEIPTS, DISBURSEMENTS AND APPROPRIATIONS FOR YEAR ENDING NOVEMBER 30, 1927

GENERAL FUND—Continued

Rents, Leases and Concessions—		
Lot 6, block 50, Portland	$ 8,400.00	
Hillside Park	330.00	
Lots 7 and 8, block 251, Holladay's	60.00	
Fire stations	6.00	
Morrison and Ella streets	200.00	
Columbia Park	110.00	
Sellwood Park	155.00	
Buckman Field	120.00	
Washington, Benson and Peninsula Parks	750.00	
Multnomah Falls	1,575.00	
Public Market	14,413.20	$ 26,119.20
Refunds—		
Gasoline tax	547.82	
Overpayments	48.65	
Insurance premiums	324.78	
Safe deposit box	1.00	
Filing fees	4.70	
Balance expense, trip to California	270.40	
Balance expense, trip to building convention	76.02	
Balance expense, Police Chief convention	9.49	1,282.86
Sale of Property and Services Performed—		
Codes	508.40	
Blue prints	361.10	
Tests	1,490.08	
Birth and death certificates	594.50	
Rolling streets	2,487.77	
Removing earth slides	343.32	
Certified copies	48.70	
City charters	1.65	
Witness and jury fees	112.00	
Repairs to pavement and sewers	3,481.15	
Maps and plans	94.50	
Vaccine and antitoxine	678.85	
Junk	615.15	
Postage stamps	94.11	
Stationery	187.51	
Towels	36.65	
Old autos	1,393.85	
Materials and supplies	95.32	
Empty sacks	1,092.00	
Park animals	38.00	
Traffic signs	57.50	
Old buildings	874.50	
Dock property	7,200.00	
Old fire engine	119.00	
Rat poison	25.00	
Old flusher	275.00	
Garbage disposal	257.75	
Moving F. A. T. wires and boxes	17.00	
Hauling	8.31	
Oiling roadways	236.82	
Removing buildings	130.05	
Removing snow	85.14	
Removing glass	10.00	
Removing trees	46.02	
Removing gravel	7.50	
Photostating	.97	

STATEMENT OF RECEIPTS, DISBURSEMENTS AND APPROPRIATIONS FOR YEAR ENDING NOVEMBER 30, 1927

GENERAL FUND—Continued

Sale of Property and Services Performed—Continued—		
Barricading streets	$ 21.86	
Municipal Shop labor	87.09	
Planting shrubbery	1,000.00	
Spraying trees	97.00	$ 24,311.12
Miscellaneous—		
Appeal from Housing Code	160.00	
Fines and costs City cases	12,606.50	
Redemptions	3,327.43	
Police Station	74.48	
Storage and towage	9,626.35	
Isolation Hospital	2,047.70	
Damage to autos	117.25	
Damage to lamp posts	120.00	
Damage to hydrants	1,057.32	
Damage to fire hose	46.67	
Damage to street flushers	144.29	
Damage to park property	42.50	
Damage to traffic signs	.55	
Damage to fire apparatus	2,465.55	
Injury to employes	693.23	
Use of community houses	84.32	
State Guard encampment	239.00	
Vacation of streets	25.85	
Use of equipment	29.78	
Auto licenses	5.08	
Rent of animals	8.98	
Right of way	1,405.89	
Burnside Street widening survey	2,000.00	
Money found	1.00	
Warrants held by City	1,588.88	
Grand Avenue bridge repairs	6,678.08	
Special election expense	100.00	
Printing	34.50	
Cash overages	42.80	44,773.98
Non-Revenue—		
Construction of sidewalks—Rotary	14,386.18	
Engineering—Rotary	169,614.07	
Removing weeds—Rotary	6,252.26	
Tuberculin—Rotary	693.55	
Loans	4,175,000.00	4,365,946.06
		$ 9,474,507.69
Transfers—		
Playgrounds and Parks Fund	16,777.92	
Special Bridge Fund	26,120.85	
Public Auditorium Fund	1,890.82	
Water Fund	33,942.99	
Assessment Collection Fund	948.83	
Municipal Paving Rotary Fund	83,920.68	
Eastmoreland Golf Fund	2,802.66	
West Hills Golf Fund	1,318.19	
Rose City Golf Fund	36,832.66	
Auto Camp Fund	393.28	
Bill Posting Badge Fund	384.00	
Water Construction Fund	3,137.74	
Garbage Crematory Fund	1,685.23	
Bridge Access Fund	3,678.78	

STATEMENT OF RECEIPTS, DISBURSEMENTS AND APPROPRIATIONS FOR YEAR ENDING NOVEMBER 30, 1927

GENERAL FUND—Continued

Transfers—Continued—		
Bridge Access Fund No. 2	$ 15,796.21	
Fire Department Construction Fund No. 2	24,282.66	
Firemen's Salary Increase Fund	368,184.59	
Policemen's Salary Increase Fund	272,072.03	
Police Traffic Signal Fund	3,920.14	
Street Improvement Fund	45.18	
Sewer Fund	100.15	
Street Extension Fund	3,016.72	$ 901,252.31
		$10,375,760.00
DISBURSEMENTS		
Warrants paid and returned		$ 9,374,926.48
Transfers—		
Bonded Indebtedness Interest Fund	21.36	
Sinking Fund	70.69	
Playgrounds and Parks Fund	12,289.29	
Special Bridge Fund	6,807.01	
Public Auditorium Fund	16,510.22	
Water Fund	1,744.70	
Municipal Paving Rotary Fund	98,385.23	
Eastmoreland Golf Fund	196.92	
West Hills Golf Fund	201.86	
Rose City Golf Fund	30,657.00	
Fire Department Construction Fund	7,200.00	
Assessment Collection Fund	3.75	
Water Construction Fund	4.30	
Bridge Access Fund	2,550.00	
Firemen's Salary Increase Fund	164,898.45	
Policemen's Salary Increase Fund	123,325.27	
Fire Department Construction Fund No. 2	5,000.00	
Street Improvement Fund	425.95	
Sewer Fund	304.30	
Street Extension Fund	2,864.65	473,460.95
Old warrant cashed	.50	
Badges redeemed	77.00	77.50
Balance November 30, 1927		527,295.07
		$10,375,760.00

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927

DEPARTMENT OF PUBLIC SAFETY

Account Title	Symbol	Mayor's Office	Bureau of Police	Municipal Court	Motion Picture Censors	City Attorney's Office	Weeds Rotary	Totals
Personal Services—	A	$ 13,575.00	$821,885.24	$ 16,677.10	$ 2,452.50	$ 34,119.39	$ 10,230.10	$ 898,939.33
Salaries	1			339.00				339.00
Jurors and Interpretors	2							
Supplies—	B							
Office	1	533.76	8,529.39	734.57	236.28	2,208.25	884.04	13,126.29
Fuel	2		543.87					543.87
Food	4		15,923.84			2.65		15,923.84
Cleaning and Disinfecting	5	11.91	1,143.90					1,158.46
Motor Vehicle	6	515.23	16,539.72					17,054.95
Medical and Surgical	9		2.25					2.25
General Plant	10	1.05	1,806.01					1,807.06
Material—	C							
Building	3		624.57					624.57
General Plant	4		1,302.41					1,302.41
Equipment—	D							
Office	1	303.45	1,026.00	10.00	77.25	243.25		1,659.95
Household	2		270.37					270.37
Motor Vehicles and Equipment	5	1,392.76	13,991.24					15,384.00
Tools	7		72.41					72.41
General Plant	8		482.26					482.26
Contract and Open Order Service—	E							
Construction and Extension	1		306.33					306.33
Repairs—	E							
General	2	25.15	861.93	19.15		32.05		938.28
Motor Vehicle	3	292.00	5,354.19					5,646.19
Light, Heat and Power	E4		75.13					75.13
Janitorial Service	E5		854.18					854.18
Transportation—	E6							
Storage of Motor Vehicles	C		7.30					7.30
Carfare	E		58.40		54.75			113.15
Other Transportation	F	725.25	1,040.53			62.92		1,828.70

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC SAFETY—Continued

Account Title	Symbol	Mayor's Office	Bureau of Police	Municipal Court	Motion Picture Censors	City Attorney's Office	Weeds Rotary	Totals
Communication—	E7							
Telephone	A	$ 68.50	$ 535.39			$ 7.85		$ 611.74
Telegraph and Messenger	B	160.34	589.39			.99		750.72
General Plant Service	E8		18.00	$ 18.00		387.15		423.15
Contingencies	F		6,414.42					6,414.42
Fixed Charges and Contributions—	G							
Rent	2		1,005.50					1,005.50
Insurance	4		105.30					105.30
Other Fixed Charges	6		10.00					10.00
Cutting Weeds							$ 3,989.28	3,989.28
Injuries to Officers			313.50					313.50
Rose Festival and Other Parades			147.40					147.40
Vigilants			600.00					600.00
Maintaining Traffic and Warning Signs			1,890.72					1,890.72
Permanent Traffic and Warning Signs			8,965.17					8,965.17
Synchronized Traffic Signals			13,811.60					13,811.60
Total Expenditures		$ 17,604.40	$927,107.86	$ 17,797.82	$ 2,820.78	$ 37,064.50	$ 15,103.42	$1,017,498.78
Total Warrants Drawn		16,952.69	1,060,342.39	17,069.25	2,578.25	36,008.25	14,269.36	1,147,220.19
Miscellaneous Debits		651.71	21,828.01	732.57	242.53	1,056.25	834.06	25,345.13
Miscellaneous Credits (deduct)			155,062.54	4.00				155,066.54
Claims Outstanding			15.00					15.00
Total Encumbrance		$ 17,604.40	$927,122.86	$ 17,797.82	$ 2,820.78	$ 37,064.50	$ 15,103.42	$1,017,513.78
Total Appropriation		17,604.40	941,904.66	17,797.82	2,820.78	37,064.50	15,828.99	1,033,021.15
Unencumbered Balance			$ 14,781.80				$ 725.57	$ 15,507.37

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF POLICE

Account Title	Symbol	Executive and Clerical	Bertillion Division	UNIFORM DIVISION			
				Patrol Service	Precinct No. 1	Precinct No. 2	Booth No. 7
Personal Services—	A						
Salaries	1	$ 18,864.95	$ 4,020.00	$ 415,393.70			
Supplies—	B						
Office	1	362.82	890.84	359.01	$ 145.62	$ 151.20	
Fuel	2				218.83	232.04	
Cleaning and Disinfecting	5			.30			
Motor Vehicle	6	389.82		2,865.49	2,859.23	2,274.56	$ 342.22
Medical and Surgical	9			2.00			
General Plant	10			379.22	3.18	4.08	
Material—	C						
Building	3			115.04	33.05	17.86	
General Plant	4						
Equipment—	D						
Office	1	172.25	59.35				
Household	2	3.15		5,385.36	116.89	512.50	10.50
Motor Vehicles and Equipment	5						
Tools	7			166.00	1.26		
General Plant	8						
Contract and Open Order Service—	E						
Construction and Extension	1						
Repairs—	E			244.30	1.75		
General	2	8.99		889.13	517.15	665.44	35.32
Motor Vehicle	3	419.65			396.65	11.25	
Janitorial Service	E5						

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF POLICE—Continued

Account Title	Symbol	Executive and Clerical	Bertillion Division	UNIFORM DIVISION			
				Patrol Service	Precinct No. 1	Precinct No. 2	Booth No. 7
Transportation—	E6						
Other Transportation	F	$ 575.00		$ 2.50			
Communication—	E7						
Telephone	A			148.40			
Telegraph and Messenger	B			175.31			
Contingencies	F	5,993.86		184.47			
Fixed Charges and Contributions—	G						
Rent	2	2.50					
Other Fixed Charges	6						
Injuries to Officers				13.50	$ 6.00	$ 156.00	
Total Expenditures		$ 26,792.90	$ 4,970.19	$ 426,323.73	$ 4,299.61	$ 4,024.93	$ 388.04

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF POLICE—Continued

Account Title	Symbol	UNIFORM DIVISION					
		Vice Division	Traffic	Inspectors	Auto Theft	Record Room	Police Garage
Personal Services—	A						
Salaries	1	$ 32,384.61	$ 64,022.96	$ 88,786.91	$ 28,345.00	$ 30,587.16	$ 9,096.00
Supplies—	B						
Office	1	134.57	366.56	562.11	131.47	1,920.36	100.14
Fuel	2						
Cleaning and Disinfecting	5						224.56
Motor Vehicle	6	1,183.89	474.06	753.80	1,108.48	23.95	1,984.33
Medical and Surgical	9						
General Plant	10		16.93				48.25
Material—	C						
Building	3						21.65
General Plant	4				99.48	257.98	648.82
Equipment—	D						
Office	1	101.25		379.30			2.08
Household	2						2,051.79
Motor Vehicles and Equipment	5	36.65	12.93	2,729.42	1,498.48		
Tools	7	5.00					4.35
General Plant	8	10.63					
Contract and Open Order Service—	E						306.33
Construction and Extension	1						
Repairs—	F					21.85	39.62
General	2					12.02	427.47
Motor Vehicle	3	296.91	70.20	374.47	351.89		47.50
Janitorial Service	E5						

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF POLICE—Continued

Account Title	Symbol	UNIFORM DIVISION					
		Vice Division	Traffic	Inspectors	Auto Theft	Record Room	Police Garage
Transportation—	E6						
Other Transportation	F	$ .50		$ 33.25	$ 6.20	$ 421.58	
Communication—	E7						
Telephone	A		$ 20.15	165.47	166.15	17.15	
Telegraph and Messenger	B		2.60	216.17	163.73		
Contingencies	F					100.00	
Fixed Charges and Contributions—	G						
Rent	2			60.00			12.00
Other Fixed Charges	6						5.00
Injuries to Officers		5.00		6.00			39.50
Total Expenditures		$ 34,159.01	$ 94,986.39	$ 94,066.90	$ 31,870.88	$ 33,362.05	$ 15,059.39

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF POLICE—Continued

Account Title	Symbol	UNIFORM DIVISION		HEADQUARTERS DIVISION			
		Speed Squad	Specials	Office	Property Room	Building	Jail
Personal Services—	A						
Salaries	1	$ 24,373.67		$ 8,147.80	$ 1,920.00	$ 30,253.18	
Supplies—	B				112.33	2,818.24	$ 32.33
Office	1	183.41					
Fuel	2						15,732.08
Food	4					834.70	1.00
Cleaning and Disinfecting	5						
Motor Vehicle	6	591.70					
Medical and Surgical	9				6.74	1,023.64	
General Plant	10						
Material—	C					500.19	
Building	3						
General Plant	4	126.68					
Equipment—	D				61.75		
Office	1						184.41
Household	2						
Motor Vehicles and Equipment	5	1,505.00				61.25	
Tools	7					254.35	14.00
General Plant	8						
Repairs—	E					521.02	4.99
General	2						
Motor Vehicle	3	314.82				62.00	
Light, Heat and Power	E4					84.00	
Janitorial Service	E5						
Transportation—	E6					1.50	
Other Transportation	F						

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF POLICE—Continued

Account Title	Symbol	UNIFORM DIVISION		HEADQUARTERS DIVISION			
		Speed Squad	Specials	Office	Property Room	Building	Jail
Communication—	E7						
Telephone	A	$ 2.70					
General Plant Service	E8					$ 18.00	
Fixed Charges and Contributions—	G						
Rent	2						
Insurance	4					105.30	
Other Fixed Charges	6					5.00	
Injuries to Officers	.....	87.50					
Rose Festivals and Other Parades	.....		$ 147.40				
Vigilants	.....		600.00				
Maintenance Traffic and Warning Signs	.....		1,890.72				
Total Expenditures	.....	$ 27,185.48	$ 2,648.12	$ 8,147.80	$ 2,100.82	$ 36,542.37	$ 15,968.81

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF POLICE—Continued

Account Title	Symbol	HEADQUARTERS DIVISION		ST. JOHNS DIVISION			HARBOR PATROL
		Matron's Division	Patrols Nos. 1 and 2	Office	Building and Jail	Patrols	Office and Auto
Personal Services—	A						
Salaries	1	$ 6,213.63					$ 10,387.26
Supplies—	B						
Office	1	20.55		$ 48.38			6.30
Fuel	2				93.00		
Food	4				8.70		
Cleaning and Disinfecting	5				24.37		
Motor Vehicle	6		$ 689.05			$ 386.51	
Medical and Surgical	9				.25		
General Plant	10	30.62			38.26		
Material—	C						
Building	3				15.18		
General Plant	4						
Equipment—	D						
Office	1			82.25			
Household	2	1.00			50.28		
Motor Vehicles and Equipment	5		32.94				
Tools	7						
General Plant	8				4.67		
Repairs—	E						
General	2			2.00			
Motor Vehicle	3		460.31			153.66	
Light, Heat and Power	E4						
Janitorial Service	E5	252.14			4.00		
Transportation—	E6						
Other Transportation	F						

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF POLICE—Continued

Account Title	Symbol	HEADQUARTERS DIVISION		ST. JOHNS DIVISION			HARBOR PATROL
		Matron's Division	Patrols Nos. 1 and 2	Office	Building and Jail	Patrols	Office and Auto
Communication—	E7						
Telephone	A						
General Plant Service	E8						
Fixed Charges and Contributions—	G						
Rent	2						$ 1.00
Insurance	4						
Other Fixed Charges	6						
Injuries to Officers	.....						
Rose Festivals and Other Parades	.....						
Vigilants	.....						
Maintenance Traffic and Warning Signs	.....						
Total Expenditures	.....	$ 6,517.94	$ 1,182.30	$ 132.63	$ 238.71	$ 540.17	$ 10,394.56

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF POLICE—Continued

Account Title	Symbol	HARBOR PATROL Boats	Women's Protective Division Office and Auto	Special Appropriations	Totals	Weeds Rotary	Grand Total Police
Personal Services—	A		$ 19,088.41		$ 821,885.24	$ 10,230.10	$ 832,115.34
Salaries	1				8,529.39	884.04	9,413.43
Supplies—	B		183.15		543.87		543.87
Office	1				15,923.84		15,923.84
Fuel	2				1,143.90		1,143.90
Food	4		183.06		16,539.72		16,539.72
Cleaning and Disinfecting	5	$ 58.97			2.25		2.25
Motor Vehicle	6	241.32	371.31		1,806.01		1,806.01
Medical and Surgical	9						
General Plant	10	181.40	73.69		624.57		624.57
Material—	C				1,302.41		1,302.41
Building	3	87.55					
General Plant	4	3.50			1,026.00		1,026.00
Equipment—	D		109.85		270.37		270.37
Office	1		29.45		13,991.24		13,991.24
Household	2		1.00		72.41		72.41
Motor Vehicles and Equipment	5	97.78			482.26		482.26
Tools	7	6.16					
General Plant	8	27.00			306.33		306.33
Contract and Open Order Service—	E						
Construction and Extension	1				861.93		861.93
Repairs—	E		17.50		5,354.19		5,354.19
General	2		258.37		75.13		75.13
Motor Vehicle	3	107.38	13.13		854.18		854.18
Light, Heat and Power	E4		58.64				
Janitorial Service	E5				7.30		7.30
Transportation—	E6		7.30		58.40		58.40
Storage Motor Vehicles	C		58.40		1,040.53		1,040.53
Carfare	E						
Other Transportation	F						

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF POLICE—Continued

Account Title	Symbol	HARBOR PATROL	Women's Protective Division Office and Auto	Special Appropriations	Totals	Weeds Rotary	Grand Total Police
Communication—	E7		$ 15.37		$ 535.39		$ 535.39
Telephone	A		31.58		589.32		589.39
Telegraph and Messenger	B				18.00		18.00
General Plant Service	E8		136.09		6,414.42		6,414.42
Contingencies	F						
Fixed Charges and Contributions—	G		930.00		1,005.50		1,005.50
Rent	2				105.30		105.30
Insurance	4				10.00		10.00
Other Fixed Charges	6				313.50		313.50
Injuries to Officers					147.40		147.40
Rose Festivals and Other Parades					600.00		600.00
Vigilants					1,890.72		1,890.72
Maintenance Traffic and Warning Signs				$ 8,965.17	8,965.17		8,965.17
Permanent Traffic and Warning Signs				13,811.60	13,811.60		13,811.60
Synchronized Traffic Signals						$ 3,989.28	3,989.28
Cutting Weeds							
Total Expenditures		$ 811.06	$ 21,626.30	$ 22,776.77	$ 927,107.86	$ 15,103.42	$ 942,211.28
Total Warrants Drawn							$1,060,342.39
Miscellaneous Debits							21,828.01
Miscellaneous Credits (deduct)							155,062.54
Claims Outstanding							15.00
Total Encumbrance							$ 927,122.86
Total Appropriation							941,904.66
Unencumbered Balance							$ 14,781.80

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF FINANCE

Account Title	Symbol	Commissioner's Office	Bureau of Parks	Bureau of License	Bureau of Purchases	Bureau of City Hall	Municipa Garage Expense
Personal Services—	A						
Salaries	1	$ 10,475.00	$ 249,301.22	$ 13,989.60	$ 10,980.50	$ 22,920.02	$ 4,332.00
Special Services	2		384.14			129.60	
Supplies—	B						
Office	1	147.90	1,030.14	208.23	581.37	28.48	50.55
Fuel	2		1,244.89			2,904.94	
Forage and Veterinary	3		5,745.33				
Food	4		72.32				
Cleaning and Disinfecting	5		5,378.02	1.05		1,269.75	34.03
Motor Vehicle	6		1,331.23	92.47	290.71		85.06
Botanical and Agricultural	7		3,226.72				
Educational and Recreational	8		2,078.96				
Medical and Surgical	9		65.29				
General Plant	10		4,972.33	9.50	3.54	443.99	48.54
Material—	C						
Highway	1		98.00				
Sewer	2		232.11			72.00	
Building	3		* 215.96			176.79	82.49
General Plant	4		3,612.33	5.25			
Equipment—	D						
Office	1	18.00	295.35		23.00	353.42	
Household	2					272.69	
Motorless Vehicles and Equipment	4		** 19.00				11.00
Motor Vehicles and Equipment	5	1,850.00	5,868.10			13.41	21.35
Tools	7		323.46			313.42	381.53
General Plant	8		9,962.60				
Contract and Open Order Service—	E					141.90	
Construction and Extension	1						
Repairs—	E						
General	2	9.50	3,395.68	25.15	8.90	1,403.57	127.53
Motor Vehicle	3		1,393.05	44.08	179.85		
Light, Heat and Power	E4		1,472.63			131.67	998.61
Janitorial Service	E5		816.33			388.88	39.00

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF FINANCE—Continued

Account Title	Symbol	Commissioner's Office	Bureau of Parks	Bureau of License	Bureau of Purchases	Bureau of City Hall	Municipal Garage Expense
Transportation—	E6						
Hire of Automobiles	B		$ 45.00				
Shoeing and Boarding of Horses	D		174.52				
Carfare	E	$ 7.30	222.50				
Other Transportation	F		646.86		$ 375.00	$ 31.74	
Communication—	E7						
Telephone	A	5.23	11.35		2.15		
Telegraph and Messenger	B	8.43	17.54		3.24		
General Plant Service	E8	5.00	33.55			291.62	$ 5.00
Contingencies	F		357.00				
Fixed Charges and Contributions—	G						
Rent	2		3,600.00				3,000.00
Insurance	4						
Other Fixed Charges	6		30.00				
Other Contributions	7	5.00			21.00		
Multnomah Falls			1,500.00				
Terwilliger Boulevard			500.00				
Mt. Scott Cemetery			1,000.00				
Rose Test Medals			66.74				
Benson Park			4,893.47				
Rose Festival Decorations			1,000.00				
Music			1,641.50				
Total Expenditures		$ 12,531.36	$ 318,237.22	$ 14,375.33	$ 12,469.26	$ 31,287.89	$ 9,216.69
Total Warrants Drawn		$ 12,507.11	$ 317,643.85	$ 14,031.56	$ 11,760.16	$ 30,545.90	$ 8,920.94
Miscellaneous Debits		143.60	18,620.63	343.77	733.29	753.73	328.15
Miscellaneous Credits (deduct)		119.35	18,027.26		24.19	11.74	32.40
Claims Outstanding			474.55	639.00			
Total Encumbrance		$ 12,531.36	$ 318,711.77	$ 15,014.33	$ 12,469.26	$ 31,287.89	$ 9,216.69
Total Appropriation		12,531.36	318,690.27	15,014.33	12,469.26	31,287.89	9,216.69
Unencumbered Balance			$ *21.50				

* Deficit. ** Credit.

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF FINANCE—Continued

Account Title	Symbol	Municipal Reference Library	Property Custodian	City Treasurer's Office	Municipal Stores Expense	Totals
Personal Services—	A		$ 2,700.00	$ 29,551.18	$ 4,899.53	$ 349,149.05
Salaries	1				15.00	528.74
Special Services	2					
Supplies—	B					
Office	1	$ 315.64	48.45	2,344.47	195.86	4,951.09
Fuel	2				29.50	4,179.33
Forage and Veterinary	3					5,745.33
Food	4					72.32
Cleaning and Disinfecting	5			2.10		6,684.95
Motor Vehicle	6				148.40	1,947.87
Botanical and Agricultural	7					3,226.72
Educational and Recreational	8					2,078.96
Medical and Surgical	9					65.29
General Plant	10			3.85	1.43	5,483.18
Material—	C					98.00
Highway	1					232.11
Sewer	2				64.99	352.95
Building	3			4.71		3,881.57
General Plant	4					
Equipment—	D			868.25		1,558.02
Office	1					272.69
Household	2					** 19.00
Motorless Vehicles and Equipment	4				11.00	7,740.10
Motor Vehicles and Equipment	5					358.22
Tools	7					10,657.55
General Plant	8					
Contract and Open Order Service—	E					141.90
Construction and Extension	1					
Repairs—	E			245.49	57.73	5,282.30
General	2	8.75			98.90	1,715.88
Motor Vehicle	3				20.00	2,622.91
Light, Heat and Power	E4				24.00	1,268.21
Janitorial Service	E5					

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF FINANCE—Continued

Account Title	Symbol	Municipal Reference Library	Property Custodian	City Treasurer's Office	Municipal Stores Expense	Totals
Transportation—	E6					
Hire of Automobiles	B					$ 45.00
Shoeing and Boarding of Horses	D					174.52
Carfare	E				$ 43.80	273.60
Other Transportation	F					1,053.60
Communication—	E7					
Telephone	A			$ 1.29		20.02
Telegraph and Messenger	B					29.21
General Plant Service	E8			290.80		625.97
Contingencies	F					357.00
Fixed Charges and Contributions—	G					
Rent	2			75.00		6,675.00
Insurance	4			668.33		668.33
Other Fixed Charges	6					30.00
Other Contributions	7					26.00
Multnomah Falls						1,500.00
Terwilliger Boulevard						500.00
Mt. Scott Cemetery						1,000.00
Rose Test Medals						66.74
Benson Park						4,893.47
Rose Festival Decorations						1,000.00
Music						1,641.50
Total Expenditures		$ 324.39	$ 2,748.45	$ 34,055.47	$ 5,610.14	$ 440,856.20
Total Warrants Drawn		$ 324.39	$ 2,715.00	$ 31,757.26	$ 4,997.15	$ 435,203.32
Miscellaneous Debits			33.45	2,333.21	612.99	23,902.82
Miscellaneous Credits (deduct)				35.00		18,249.94
Claims Outstanding						1,113.55
Total Encumbrance		$ 324.39	$ 2,748.45	$ 34,055.47	$ 5,610.14	$ 441,969.75
Total Appropriation		324.39	2,748.45	34,055.47	5,610.14	441,948.25
Unencumbered Balance						* 21.50

* Deficit. ** Credit.

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF PARKS

Account Title	Symbol	Executive and Clerical	Park Maintenance	Playgrounds Maintenance	Comfort Station	Swimming Tanks	Street Trees	Zoo Maintenance	Totals
Personal Services—	A	$ 19,047.94	$152,246.90	$ 39,102.71	$ 26,174.57	$ 6,268.44	$ 1,274.85	$ 5,185.81	$ 249,301.22
Salaries	1							** 10.34	384.14
Special Services	2	394.48							1,030.14
Supplies—	B								1,244.89
Office	1	1,013.85		16.29				78.34	5,745.33
Fuel	2		542.20	624.35				3,631.69	72.32
Forage and Veterinary	3		2,078.64	35.00					5,378.02
Food	4		72.32					11.10	1,331.23
Cleaning and Disinfecting	5		2,082.99	85.78	3,155.75	42.40		3.86	3,226.72
Motor Vehicle	6	726.57	243.54	175.58	37.16		144.52	15.96	2,078.96
Botanical and Agricultural	7		2,657.59				553.17		65.29
Educational and Recreational	8			2,078.96					4,972.33
Medical and Surgical	9		1.19	64.10					98.00
General Plant	10	73.77	3,428.45	968.87	328.79	97.82	63.75	10.88	232.11
Material—	C		98.00						215.96
Highway	1		232.11						3,612.33
Sewer	2		116.87	85.10		2.14	.55	11.30	295.35
Building	3		2,911.20	527.92	128.70	44.51			** 19.00
General Plant	4								5,868.10
Equipment—	D								323.46
Office	1	295.35							9,962.60
Motorless Vehicles and Equipment	4		** 19.00				3,020.00		3,395.68
Motor Vehicles and Equipment	5	1,567.90	1,271.80	8.40			3.68		1,393.05
Tools	7		319.57	21			769.42	1.85	1,472.63
General Plant	8		4,638.08	4,213.12	70.17	269.96			816.33
Repairs—	E						118.67	7.50	
General	2	50.90	1,627.34	895.69	695.58		37.41	1.50	
Motor Vehicle	3	622.36	430.83	278.19	22.76				
Light, Heat and Power	E4			90.37	1,382.26				
Janitorial Service	E5		486.00	9.65	319.11	1.57			

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF PARKS—Continued

Account Title	Symbol	Executive and Clerical	Park Maintenance	Playgrounds Maintenance	Comfort Station	Swimming Tanks	Street Trees	Zoo Maintenance	Totals
Transportation—	E6								
Hire of Automobiles	B		$ 45.00						$ 45.00
Shoeing and Boarding of Horses	D		170.99	$ 3.53					174.52
Carfare	E		91.25	131.25					222.50
Other Transportation	F	$ 560.65	12.50					$ 73.71	646.86
Communication—	E7								
Telephone	A	11.35							11.35
Telegraph and Messenger	B	17.54							17.54
General Plant Service	E8			33.55					33.55
Contingencies	F		324.00				$ 33.00		357.00
Fixed Charges & Contributions—	G								
Rent	2		60.00		$ 3,540.00				3,600.00
Other Fixed Charges	6	30.00							30.00
Multnomah Falls			1,500.00						1,500.00
Terwilliger Boulevard			500.00						500.00
Mt. Scott Cemetery			1,000.00						1,000.00
Rose Test Medals			66.74						66.74
Benson Park			4,893.47						4,893.47
Rose Festival Decorations			1,000.00						1,000.00
Music				1,641.50					1,641.50
Total Expenditures		$ 24,412.66	$185,130.57	$ 51,070.12	$ 35,854.85	$ 6,726.84	$ 6,019.02	$ 9,023.16	$ 318,237.22
Total Warrants Drawn									$ 317,643.85
Miscellaneous Debits									18,620.63
Miscellaneous Credits (deduct)									18,027.26
Claims Outstanding									474.55
Total Encumbrance									$ 318,711.77
Total Appropriation									318,690.27
Unencumbered Balance									$ * 21.50

* Deficit. ** Credit.

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC AFFAIRS

Account Title	Symbol	Commissioner's Office	Bureau of Fire	Bureau of Street Cleaning	Public Market	Public Employment Bureau	Bureau of Garbage Disposal	Totals
Personal Services—	A							
Salaries	1	$ 6,901.55	$ 963,630.57	$ 239,351.61	$ 5,421.48	$ 8,336.45	$ 36,995.79	$1,260,637.45
Supplies—	B							
Office	1	72.54	2,288.78	166.47	233.55	174.61	87.57	3,023.52
Fuel	2		15,820.71	833.12				16,653.83
Cleaning and Disinfecting	3	.40	2,772.47	125.50	38.81	29.11		2,966.29
Motor Vehicle	6		8,220.10	10,914.83			1,183.27	29,318.20
Botanical and Agricultural	7		22.58				3.50	26.08
Medical and Surgical	9		37.44					37.44
General Plant	10		4,042.43	1,926.45	74.85	3.48	54.85	6,102.06
Material—	C							
Highway	1						621.58	621.58
Building	3		2,979.50	639.04		30.00	15.94	3,664.48
General Plant	4		4,276.14	832.19	107.88	1.35	390.24	5,607.80
Equipment—	D							
Office	1	60.20	198.50	7.37		222.50		488.57
Household	2		1,358.48					1,358.48
Motor Vehicles & Equipment	5		3,793.45	9,057.71			3,375.00	16,226.16
Tools	7		514.60	1,267.54			734.93	2,517.07
General Plant	8		3,839.03	1,061.94	381.38			5,282.35
Contract & Open Order Service—	E							
Construction and Extension	1			690.50				690.50
Repairs—	E							
General	2		18,617.98	236.27	1,042.70	15.00	71.19	19,983.14
Motor Vehicle	3		18,206.98	10,262.22			2,388.92	30,858.12
Light, Heat and Power	E4		964.09					964.09
Heat	D					190.54		190.54

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC AFFAIRS—Continued

Account Title	Symbol	Commissioner's Office	Bureau of Fire	Bureau of Street Cleaning	Public Market	Public Employment Bureau	Bureau of Garbage Disposal	Totals
Janitorial Service	E5				$ 933.00	$ 27.50		$ 960.50
Transportation—	E6							
Hire of Automobiles	B			$ 63.75				63.75
Carfare	E			91.25		160.60	$ 3.65	255.50
Other Transportation	F						29.25	29.25
Communication—	E7							
Telephone	A		$ 4.55			3.05		7.60
Telegraph and Messenger	B		23.98				1.97	25.95
General Plant Service	E8		290.85		59.25			350.10
Contingencies	F		1,133.52	240.83			265.03	1,639.38
Fixed Charges & Contributions—	G							
Rent	2		250.00	91.00	168.00	600.00		1,109.00
Advertising	5					3.00		3.00
Other Contributions	7		885.00		10.00			895.00
Total Expenditures		$ 7,034.69	$1,054,171.73	$ 286,859.59	$ 8,470.90	$ 9,797.19	$ 46,222.68	$1,412,556.78
Total Warrants Drawn		$ 6,961.75	$1,214,471.40	$ 273,046.69	$ 7,982.56	$ 9,241.35	$ 43,072.18	$1,554,775.93
Miscellaneous Debits		72.94	60,772.52	14,157.04	488.34	555.84	3,329.81	79,376.49
Miscellaneous Credits (deduct)			221,072.19	344.14			179.31	221,595.64
Claims Outstanding			5,243.00		550.00		100.00	5,893.00
Total Encumbrance		$ 7,034.69	$1,059,414.73	$ 286,859.59	$ 9,020.90	$ 9,797.19	$ 46,322.68	$1,418,449.78
Total Appropriation		7,034.69	1,060,334.01	286,859.59	9,020.90	9,797.19	46,248.90	1,419,295.28
Unencumbered Balance			$ 919.28				$ * 73.78	$ 845.50

*Deficit.

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF FIRE

Account Title	Symbol	Executive and Clerical	Fire Prevention	Fire Alarm Telegraph	Hydrant Plumbing	Operation and Maintenance	Municipal Shop	Totals
Personal Services—	A							
Salaries	1	$ 22,150.51	$ 10,009.65	$ 22,995.71	$ 5,580.00	$ 900,659.50	$ 2,235.20	$ 963,630.57
Supplies—	B							
Office	1	1,045.29	578.64	98.91	15.45	550.49		2,288.78
Fuel	2					15,820.71		15,820.71
Cleaning and Disinfecting	5			3.55		2,768.92		2,772.47
Motor Vehicle	6	1,689.70	600.75	303.15	310.12	5,316.38		8,220.10
Botanical and Agricultural	7					22.58		22.58
Medical and Surgical	9					37.44		37.44
General Plant	10	20.48	140.94	340.36	39.62	3,501.03		4,042.43
Material—	C							
Building	3			.60	.20	2,978.70		2,979.50
General Plant	4	2.33	1.00	2,594.48	171.73	1,506.60		4,276.14
Equipment—	D							
Office	1		68.50	1.00		129.00		198.50
Household	2			20.80		1,337.68		1,358.48
Motor Vehicles and Equipment	5	3,397.22		2.21	4.95	389.07		3,793.45
Tools	7			182.25	14.90	317.36		514.60
General Plant	8			3,358.50	1.67	478.86		3,839.03
Repairs—	E							
General	2	8.70		3,203.05	4,880.00	10,526.23		18,617.98
Motor Vehicle	3	1,779.29	495.71	622.94	163.70	15,145.34		18,206.98
Light, Heat and Power	E4			42.72		921.37		964.09
Communication—	E7							
Telephone	A	3.80	.70	.05		3.43		4.55
Telegraph and Messenger	B	12.85	7.70					23.98

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF FIRE—Continued

Account Title	Symbol	Executive and Clerical	Fire Prevention	Fire Alarm Telegraph	Hydrant Plumbing	Operation and Maintenance	Municipal Shop	Totals
General Plant Service	E8	$ 58.49	$ 150.00	$ 72.76		$ 9.60		$ 290.85
Contingencies	F		88.80			1,044.72		1,133.52
Fixed Charges & Contributions—	G							
Rent	2					250.00		250.00
Other Contributions	7					885.00		885.00
Total Expenditures		$ 30,168.66	$ 12,142.39	$ 33,843.04	$ 11,182.43	$ 964,600.01	$ 2,235.20	$1,054,171.73
Total Warrants Drawn								$1,214,471.40
Miscellaneous Debits								60,772.52
Miscellaneous Credits (deduct)								221,072.19
Claims Outstanding								5,243.00
Total Encumbrance								$1,059,414.73
Total Appropriation								1,060,334.01
Unencumbered balance								$ 919.28

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF FIRE—Continued

Account Title	Symbol	Fire Boat No. 1	Fire Boat No. 2	Speed Squad No. 1	Speed Squad No. 2	Engine No. 1	Engine No. 2
Personal Services—	A						
Salaries	1	$ 49,550.01	$ 43,838.85	$ 31,352.35		$ 25,828.59	$ 27,359.45
Supplies—	B						
Fuel	2	2,915.58	7,770.34			117.95	207.25
Cleaning and Disinfecting	5	84.29	153.23	58.89		101.79	66.90
Motor Vehicle	6	22.93	40.25	368.75		14.25	508.99
Botanical and Agricultural	7	2.40	10.70				
Medical and Surgical	9			35.66			
General Plant	10	146.79	196.45	116.53		140.94	164.26
Material—	C						
Building	3		.20			707.11	
General Plant	4	78.90	51.37	566.23		14.63	5.09
Equipment—	D						
Office	1						
Household	2	11.50	6.00	.60			11.34
Motor Vehicles and Equipment	5		6.16	1.14	$ 106.50	5.50	4.75
Tools	7	1.46	.90				
General Plant	8	6.60	6.00	247.97		8.00	
Repairs—	E						
General	2	1,513.71	1,666.06	54.38	981.36	573.37	133.83
Motor Vehicle	3		413.17	635.83		220.54	560.14
Light, Heat and Power	E4					861.55	
Contingencies	F		25.90				
Total Expenditures		$ 54,334.17	$ 54,184.03	$ 33,438.33	$ 1,087.86	$ 28,594.22	$ 29,022.00

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF FIRE—Continued

Account Title	Symbol	Engine No. 3	Engine No. 4	Engine No. 5	Engine No. 6	Engine No. 7	Engine No. 8
Personal Services—	A						
Salaries	1	$ 25,015.95	$ 25,267.12	$ 17,808.75	$ 21,186.22	$ 23,623.20	$ 19,845.85
Supplies—	B						
Fuel	2	149.75	190.25	141.89	117.03	206.75	324.00
Cleaning and Disinfecting	5	102.76	146.80	52.87	49.86	80.94	49.81
Motor Vehicle	6	3.54	3.61	.74	13.59	383.43	322.30
Botanical and Agricultural	7				3.78		
Medical and Surgical	9						
General Plant	10	107.43	34.95	28.04	51.56	203.70	17.49
Material—	C						
Building	3	3.30	19.79	167.45	143.50	40.99	
General Plant	4			1.11	2.62	85.46	1.95
Equipment—	D						
Office	1					129.00	
Household	2	60.00			24.25	734.86	
Motor Vehicles and Equipment	5						
Tools	7					1.65	
General Plant	8			6.00		6.50	
Repairs—	E						
General	2	470.63	98.48	61.59	79.45	99.19	66.56
Motor Vehicle	3				4.71		1,113.41
Light, Heat and Power	E4						
Contingencies	F						
Total Expenditures		$ 25,913.36	$ 25,761.00	$ 18,268.44	$ 21,676.57	$ 25,595.67	$ 21,741.37

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF FIRE—Continued

Account Title	Symbol	Engine No. 9	Engine No. 10	Engine No. 12	Engine No. 13	Engine No. 14	Engine No. 15
Personal Services—	A						
Salaries	1	$ 21,743.50	$ 19,977.50	$ 17,384.25	$ 21,634.00	$ 21,434.80	$ 19,730.35
Supplies—	B						
Fuel	2	237.75	104.45	141.21	251.75	135.90	208.00
Cleaning and Disinfecting	5	52.60	28.34	45.06	96.51	47.61	78.99
Motor Vehicle	6	76.18	283.71	2.25	18.02	61.42	1.45
Botanical and Agricultural	7	.....	.....	.....	.....	.....	.....
Medical and Surgical	9	.....	.....	1.00	.....	.....	.....
General Plant	10	75.17	34.01	47.81	121.28	41.91	49.83
Material—	C						
Building	3	.....	168.69	119.70	54.26	121.74	.....
General Plant	4	.62	100.50	.....	3.37	27.63	132.79
Equipment—	D						
Household	2	11.50	1.58	.....	10.00	.....	5.54
Motor Vehicles and Equipment	5	14.63	.....	.....	.....	.....	15.81
Tools	7	1.83	.....	1.10	3.98	1.70	.....
General Plant	8	.....	.....	.....	.....	.....	8.33
Repairs—	E						
General	2	71.48	109.30	38.70	137.25	114.14	236.81
Motor Vehicle	3	42.80	687.82	100.40	89.94	16.62	.....
Fixed Charges and Contributions—	G						
Rent	2	.....	.....	.....	.....	.....	250.00
Total Expenditures	.....	$ 22,328.06	$ 21,495.90	$ 17,881.48	$ 22,420.36	$ 22,003.47	$ 20,717.90

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF FIRE—Continued

Account Title	Symbol	Engine No. 16	Engine No. 17	Engine No. 18	Engine No. 19	Engine No. 20	Engine No. 21
Personal Services—	A						
Salaries	1	$ 19,951.50	$ 19,554.10	$ 15,905.65	$ 17,556.68	$ 21,851.00	$ 24,732.25
Supplies—	B						
Fuel	2	144.00	170.00	81.50	175.25	110.50	.....
Cleaning and Disinfecting	5	63.67	98.13	48.01	41.52	60.10	52.57
Motor Vehicle	6	6.24	17.45	6.43	6.25	10.39	33.54
Botanical and Agricultural	7	.....	.....	5.70	.....	.....	.....
Medical and Surgical	9	.....	.....	.....	.....	.....	.....
General Plant	10	61.58	79.85	63.72	66.88	35.10	122.87
Material—	C						
Building	3	1.17	1.51	251.41	7.88	153.35	14.78
General Plant	4	8.58	1.25	37.67	1.52	1.32	3.18
Equipment—	D						
Household	2	.....	45.00	16.70	40.00	11.50	.....
Motor Vehicles and Equipment	5	.....	.....	.....	.....	.....	5.39
Tools	7	.....	1.50	4.97	1.61	.....	.....
General Plant	8	6.50	4.75	6.13	.....	5.50	.....
Repairs—	E						
General	2	366.44	129.57	450.63	78.44	34.02	72.38
Motor Vehicle	3	50.85	32.58	418.41	.....	.....	164.07
Fixed Charges and Contributions—	G						
Rent	2	.....	.....	.....	.....	.....	.....
Total Expenditures	.....	$ 20,660.53	$ 20,135.69	$ 17,296.93	$ 17,976.03	$ 22,272.78	$ 25,201.03

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF FIRE—Continued

Account Title	Symbol	Engine No. 22	Engine No. 23	Engine No. 24	Engine No. 25	Engine No. 26	Engine No. 27
Personal Services—	A						
Salaries	1	$ 23,737.46	$ 21,780.75	$ 19,956.55	$ 15,666.75	$ 15,932.70	$ 17,899.80
Supplies—	B						
Fuel	2	192.50	90.00	265.00	208.00	189.00	136.00
Cleaning and Disinfecting	5	85.86	78.90	64.85	39.66	58.85	44.79
Motor Vehicle	6	1.51	166.09	2.51	13.85	1.08	1.05
General Plant	10	160.89	89.56	44.21	66.79	118.50	46.29
Material—	C						
Building	3	440.67	.....	.....	7.98	.....	175.60
General Plant	4	92.70	.98	.78	2.15	1.96	2.04
Equipment—	D						
Household	2	56.97	.....	2.24	12.84	24.44	16.23
Motor Vehicles and Equipment	5	.....	14.63	57.28	.....	.....	.....
Tools	7	2.21	.....	.....	.....	.....	2.03
General Plant	8	7.96	2.96	1.00	8.35	.....	.....
Repairs—	E						
General	2	482.46	55.46	174.50	95.70	188.80	220.24
Motor Vehicle	3	303.52	47.34	.....	40.04	.03	53.29
Light, Heat and Power—	E4						
Heat	D	.....	.....	.....	.....	.....	16.85
Contingencies	F	5.00	.....	.....	.....	.....	.....
Total Expenditures	.....	$ 25,569.71	$ 22,326.67	$ 20,568.92	$ 16,162.11	$ 16,515.36	$ 18,614.21

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF FIRE—Continued

Account Title	Symbol	Engine No. 28	Engine No. 29	Engine No. 30	Engine No. 31	Engine No. 32	Engine No. 33
Personal Services—	A						
Salaries	1	$ 15,804.05	$ 15,884.85	$ 15,924.81	$ 15,914.00	$ 21,690.05	$ 14,636.44
Supplies—	B						
Fuel	2	136.00	119.00	171.00	189.00	93.00	84.61
Cleaning and Disinfecting	5	28.80	45.34	43.30	105.46	31.72	59.56
Motor Vehicle	6	.....	95.73	1.00	96.91	3.45	12.25
General Plant	10	69.52	33.33	50.91	93.57	40.74	68.29
Material—	C						
Building	3	.....	.....	.....	5.00	.....	225.80
General Plant	4	.....	.....	1.00	40.92	13.74	63.88
Equipment—	D						
Household	2	11.50	.....	41.50	46.78	11.50	57.99
Motor Vehicles and Equipment	5	.....	.....	.....	.....	.....	.67
Tools	7	1.09	2.76	.....	3.37	.....	1.89
General Plant	8	.....	.....	.....	3.42	.....	111.01
Repairs—	E						
General	2	26.17	25.22	33.05	164.23	155.16	364.54
Motor Vehicle	3	96.83	.63	.....	109.55	41.70	.....
Light, Heat and Power—	E4						
Heat	D	.....	.....	.....	.....	.....	9.82
Contingencies	F	.....	.....	.....	.....	.....	.....
Total Expenditures	.....	$ 16,173.96	$ 16,206.86	$ 16,266.57	$ 16,772.21	$ 22,081.06	$ 15,696.75

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF FIRE—Continued

Account Title	Symbol	Truck No. 1	Truck No. 2	Truck No. 3	Truck No. 4	Truck No. 5	Chemical No. 1	Chemical No. 2	Miscellaneous Overhead	Totals Operation and Maintenance
Personal Services—	A									
Salaries	1	$27,043.25	$27,378.92	$26,998.50	$23,599.85	$21,036.70	$ 7,642.15	.....	.....	$ 900,659.50
Supplies—	B									
Office	1	.....	.....	.....	.....	.....	.....	.....	$ 550.49	550.49
Fuel	2	.....	.....	36.00	.....	.....	.....	.....	10.50	15,820.71
Cleaning and Disinfecting	5	73.28	68.59	65.61	113.68	58.13	40.74	.....	.55	2,768.92
Motor Vehicle	6	.....	10.45	39.37	67.80	.73	48.72	$ 7.49	2,540.68	5,316.38
Botanical and Agricultural	7	.....	.....	.....	.....	.....	.....	.....	.....	22.58
Medical and Surgical	9	.....	.....	.....	.....	.....	.....	.....	.78	37.44
General Plant	10	59.20	68.83	75.53	151.50	68.23	74.27	16.38	96.34	3,501.03
Material—	C									
Building	3	.....	4.20	96.02	.....	3.82	5.51	.....	37.27	2,978.70
General Plant	4	.19	2.00	64.84	3.65	1.79	3.89	10.95	73.35	1,506.60
Equipment—	D									
Office	1	.....	.....	.....	.....	.....	.....	.....	.....	129.00
Household	2	.....	.....	35.25	30.07	.....	.....	.....	.....	1,337.68
Motor Vehicles and Equipment	5	.....	46.39	7.00	15.03	32.00	.86	.....	55.33	389.07
Tools	7	.....	2.16	.....	3.75	16.06	.....	.....	261.34	317.36
General Plant	8	3.37	.....	30.00	.87	.....	.....	.....	** 2.36	478.86
Repairs—	E									
General	2	521.80	77.50	105.70	53.69	78.80	17.16	28.00	22.58	10,526.23
Motor Vehicle	3	101.60	3,424.49	124.22	843.66	600.05	10.32	15.95	4,778.53	15,145.34
Light, Heat and Power	E4	.....	.....	.....	.....	.....	.....	.....	50.00	921.37
Communication—	E7									
Telegraph and Messenger	B	.....	.....	.....	.....	.....	.....	.....	3.43	3.43
General Plant Service	E8	.....	.....	.....	.....	.....	.....	.....	9.60	9.60
Contingencies	F	.....	.....	.....	.....	.....	.....	.....	997.87	1,044.72
Fixed Charges and Contributions—	G									
Rent	2	.....	.....	.....	.....	.....	.....	.....	.....	250.00
Other Contributions	7	.....	.....	.....	.....	.....	.....	.....	885.00	885.00
Total Expenditures	.....	$27,802.69	$31,083.53	$27,678.04	$24,883.55	$21,896.31	$ 7,843.62	$ 78.77	$10,371.28	$ 964,600.01

** Credit.

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF STREET CLEANING

Account Title	Symbol	Executive and Clerical	Cleaning Streets	Dump	Flushing Streets	Macadam and Gravel Streets	Shop
Personal Services—	A						
Salaries	1	$ 14,220.00	$ 40,759.18	$ 2,142.75	$ 139,199.71	$ 16,920.67	$ 4,508.89
Supplies—	B						
Office	1	166.47	.....	.....	.....	.....	.....
Fuel	2	.....	.....	.....	.....	.....	.....
Cleaning and Disinfecting	5	.....	.....	.....	.....	.....	.....
Motor Vehicle	6	891.32	.....	.....	12,811.84	.....	166.26
General Plant	10	.....	.....	7.88	12.25	.....	1,625.04
Material—	C						
Building	3	.....	.....	89.84	20.93	.....	208.15
General Plant	4	14.30	.....	.....	197.18	.75	225.93
Equipment—	D						
Office	1	7.37	.....	.....	.....	.....	.....
Motor Vehicles and Equipment	5	.....	.....	.....	721.34	.....	.....
Tools	7	.....	43.00	18.08	370.49	38.82	33.28
General Plant	8	.....	393.00	.....	540.00	.....	9.00
Contract and Open Order Service—	E						
Construction and Extension	1	.....	.....	.....	.....	.....	.....
Repairs—	E						
General	2	8.90	.....	.....	.....	.....	.....
Motor Vehicle	3	696.00	.....	.....	6,444.40	.....	.....
Transportation—	E6						
Hire of Automobiles	B	.....	.....	.....	63.75	.....	.....
Carfare	E	91.25	.....	.....	.....	.....	.....
Contingencies	F	.....	.....	.....	75.88	22.50	.....
Fixed Charges and Contributions—	G						
Rent	2	.....	90.00	.....	.....	.....	.....
Total Expenditures	.....	$ 16,095.61	$ 41,285.18	$ 2,258.55	$ 160,457.77	$ 16,982.74	$ 6,866.55

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF STREET CLEANING—Continued

Account Title	Symbol	Moving Snow	Cleaning Catch Basins	Auto Trucks	Garage	Totals
Personal Services—	A					
Salaries	1	$ 8,170.09	$ 5,022.70	.....	$ 8,407.62	$ 239,351.61
Supplies—	B					
Office	1	.....	.....	.....	.....	166.47
Fuel	2	.....	.....	.....	833.12	833.12
Cleaning and Disinfecting	5	.....	.....	.....	125.50	125.50
Motor Vehicle	6	.60	738.24	$ 5,280.68	25.89	19,914.83
General Plant	10	19.00	.....	** 1.53	263.81	1,926.45
Material—	C					
Building	3	179.40	.....	22.65	28.07	639.04
General Plant	4	.....	11.58	379.56	2.89	832.19
Equipment—	D					
Office	1	.....	.....	.....	.....	7.37
Motor Vehicles and Equipment	5	.....	.....	8,336.37	.....	9,057.71
Tools	7	619.84	.....	6.00	138.03	1,267.54
General Plant	8	55.45	49.50	.....	14.99	1,061.94
Contract and Open Order Service—	E					
Construction and Extension	1	.....	.....	.....	690.50	690.50
Repairs—	E					
General	2	.....	.....	.....	227.37	236.27
Motor Vehicle	3	.....	267.97	2,837.09	16.76	10,262.22
Transportation—	E6					
Hire of Automobiles	B	.....	.....	.....	.....	63.75
Carfare	E	.....	.....	.....	.....	91.25
Contingencies	F	58.50	55.00	.....	28.95	240.83
Fixed Charges and Contributions—	G					
Rent	2	.....	.....	1.00	.....	91.00
Total Expenditures	.....	$ 9,102.88	$ 6,144.99	$ 16,861.82	$ 10,803.50	$ 286,859.59
Total Warrants Drawn	.....	.....	.....	.....	.....	$ 273,046.69
Miscellaneous Debits	.....	.....	.....	.....	.....	14,157.04
Miscellaneous Credits (deduct)	.....	.....	.....	.....	.....	344.14
Claims Outstanding	.....	.....	.....	.....	.....	.....
Total Encumbrance	.....	.....	.....	.....	.....	$ 286,859.59
Total Appropriation	.....	.....	.....	.....	.....	286,859.59
Unencumbered Balance	.....	.....	.....	.....	.....	.....

** Credit.

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC WORKS

Account Title	Symbol	Commissioner's Office	Commissioner's Stock Account	Bureau of Standards		Bureau of Buildings	
				Chemical Laboratory	Physical Laboratory	Building Division	Electrical Division
Personal Services—	A						
Salaries	1	$ 22,086.29	.....	$ 2,460.00	$ 4,830.00	$ 37,690.07	$ 34,243.37
Supplies—	B						
Office	1	543.23	$ ** 657.99	5.65	218.62	412.15	678.28
Food	4	10.75	.....	.....	.....	.....	.....
Cleaning and Disinfecting	5	.....	.....	.....	4.58	.....	.....
Motor Vehicle	6	424.96	.....	.....	68.70	.....	84.37
General Plant	10	8.90	77.96	7.42	207.75	13.39	7.55
Material—	C						
Highway	1	.....	.....	.....	.....	.....	.....
Sewer	2	.....	.....	.....	.....	.....	.....
Building	3	.....	.....	.....	.....	.....	.....
General Plant	4	.....	.....	.....	4.35	.....	.....
Equipment—	D						
Office	1	139.00	.....	.....	.....	126.43	243.98
Motor Vehicles and Equipment	5	17.65	.....	.....	.....	.....	.....
Tools	7	.....	.....	.....	2.60	.....	.....
General Plant	8	.....	5.75	.....	204.81	.....	228.17
Repairs—	E						
General	2	14.00	.....	.....	3.50	.....	2.00
Motor Vehicle	3	405.31	.....	.....	71.34	.....	35.67
Janitorial Service	E5	.....	.....	.....	.....	.....	.....

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC WORKS—Continued

Account Title	Symbol	Commissioner's Office	Commissioner's Stock Account	Bureau of Standards		Bureau of Buildings	
				Chemical Laboratory	Physical Laboratory	Building Division	Electrical Division
Transportation—	E6						
Hire of Horses	A						
Hire of Automobiles	B						
Storage Motor Vehicles	C	$ .25			$ 3.65		$ 105.85
Carfare	E	3.65	$ 266.45			$ 412.81	200.00
Other Transportation	F						
Communication—	E7				4.00	.20	
Telephone	A	3.45					2.28
Telegraph and Messenger	B	18.56			2.00	19.85	30.00
General Plant Service	E8	88.50					
Contingencies	F	2.00					
Fixed Charges and Contributions—	G						
Rent	2						
Insurance	4				2.00		
Other Fixed Charges	6						
Total Expenditures	.....	$ 23,766.50	$ ** 307.83	$ 2,473.07	$ 5,627.80	$ 38,674.90	$ 35,861.52

** Credit.

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC WORKS—Continued

Account Title	Symbol	Bureau of Buildings		Bureau of Maintenance			
		Plumbing Division	Permit Division	City Engineer's Office	Office Expense	Street Repair	Sewer Repair
Personal Services—	A						
Salaries	1	$ 22,989.60	$ 12,126.13	$ 12,325.00	$ 16,796.50	$ 47,030.77	$ 42,479.05
Supplies—	B						
Office	1	263.31	1,260.25	232.25	1,071.58	1,039.76	
Food	4			10.75			
Cleaning and Disinfecting	5						
Motor Vehicle	6						
General Plant	10	3.80	13.26	244.72	343.94	3,781.84	1,364.62
Material—	C			8.55	4.24	857.70	497.96
Highway	1						
Sewer	2					12,454.26	
Building	3						6,089.85
General Plant	4						** .36
Equipment—	D					128.52	11.33
Office	1	363.44	347.00	19.00			
Motor Vehicles and Equipment	5					8.82	
Tools	7				29.33	7,193.83	2,844.92
General Plant	8					218.00	124.99
Repairs—	E					** 36.38	1,319.00
General	2		1.25	.50			
Motor Vehicle	3			300.02	245.22	3,204.46	6,358.73
Janitorial Service	E5					1,997.03	934.32
							.60

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC WORKS—Continued

Account Title	Symbol	Bureau of Buildings		Bureau of Maintenance			
		Plumbing Division	Permit Division	City Engineer's Office	Office Expense	Street Repair	Sewer Repair
Transportation—	E6						$ 70.00
Hire of Horses	A					$ 121.50	
Hire of Automobiles	B						66.28
Storage Motor Vehicles	C				$ 69.35	25.66	82.52
Carfare	E	$ 32.85		$ 1.25			4.00
Other Transportation	F						
Communication—	E7			1.20			
Telephone	A			16.70			
Telegraph and Messenger	B			15.00	15.00	95.98	250.76
General Plant Service	E8	15.00	$ 27.20			106.43	852.12
Contingencies	F	40.65					
Fixed Charges and Contributions—	G					3.00	
Rent	2					1,203.47	981.97
Insurance	4						
Other Fixed Charges	6						
Total Expenditures		$ 23,708.65	$ 13,775.09	$ 13,174.94	$ 18,575.16	$ 79,434.65	$ 64,332.66

** Credit.

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC WORKS—Continued

Account Title	Symbol	Bureau of Maintenance					
		Bridge Repair	Stanton Yard	Hard Surface Streets	Removal of Slides	Elimination of Corners	Hillside Boulevard Slides
Personal Services—	A						
Salaries	1	$ 9,420.54	$ 5,101.90		$ 1,239.53	$ 2,585.51	$ 1,161.60
Supplies—	B						
Office	1					.14	
Fuel	2		21.75				
Cleaning and Disinfecting	5						
Motor Vehicle	6	270.76	6.77		116.79	118.45	52.15
General Plant	10	136.82	28.74		50.80		15.75
Material—	C						
Highway	1	1,477.15				1,272.12	
Building	3		6.78				
General Plant	4	338.69				69.47	
Equipment—	D						
Office	1						
Motor Vehicles and Equipment	5	857.42					
Tools	7	30.72	157.10				
General Plant	8	225.00			1.96		
Repairs—	E						
General	2	126.96	6.50	$ 90,000.00	5.44	882.98	6.48
Motor Vehicle	3	282.26			58.47	58.54	34.89
Janitorial Service	E5						

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC WORKS—Continued

Account Title	Symbol	Bureau of Maintenance					
		Bridge Repair	Stanton Yard	Hard Surface Streets	Removal of Slides	Elimination of Corners	Hillside Boulevard Slides
	E6						$ 190.00
Transportation—	A						
Hire of Horses	B						
Hire of Automobiles	C	$ .28	$ 7.30			$ .02	4.50
Storage Motor Vehicles	E	10.95					
Carfare	F						
Other Transportation	E7						
Communication—	A						
Telephrne	B				$ 27.01	12.77	4.63
Telegraph and Messenger	E8	.18	13.54				
General Plant Service	F	559.65					
Contingencies	G						
Fixed Charges and Contributions—	2	216.00					
Rent	4	385.96	53.00				
Insurance	6						
Other Fixed Charges							
Total Expenditures		$ 14,339.34	$ 5,416.58	$ 90,000.00	$ 1,500.00	$ 5,000.00	$ 1,500.00

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC WORKS—Continued

Account Title	Symbol	Bureau of Maintenance			Bureau of Construction		
		Removal of Old Trestles	Columbia Slough Channel	Redecking Grand Ave. Bridge	Office Routine	Street Signs	Resurvey of Linnton
Personal Services—	A						
Salaries	1	$ 499.94	$ 517.28	$ 2,756.80	$ 43,882.20	$ 2,322.10	$ 2,323.50
Supplies—	B						
Office	1		6.39	18.48	** 3,476.66	60.31	64.31
Fuel	2					8.25	
Cleaning and Disinfecting	5				2.47		
Motor Vehicle	6	9.31	13.60	2.52	570.80	4.23	5.09
General Plant	10	2.60	22.05	40.53	3,167.21	6.66	5.25
Material—	C						
Highway	1	307.57		2.35			
Building	3				7.48		
General Plant	4		6,884.75	3,171 69	174.69	312.52	
Equipment—	D						
Office	1				2,061.27		
Motor Vehicles and Equipment	5				2,357.73		
Tools	7			80.88	115.42		
General Plant	8			46.31	2,106.02		
Repairs—	E						
General	2	4.11	1.04	150.76	** 27.92	4.62	6.62
Motor Vehicle	3	8.80	8.59	1.30	** 18.81	5.94	7.18
Janitorial Service	E5				2.90		

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC WORKS—Continued

Account Title	Symbol	Bureau of Maintenance			Bureau of Construction		
		Removal of Old Trestles	Columbia Slough Channel	Redecking Grand Ave. Bridge	Office Routine	Street Signs	Resurvey of Linnton
Transportation—	E6						
Hire of Horses	A			$ 67.50			
Hire of Automobiles	B						
Storage Motor Vehicles	C		$ 1.95	3.52	$ 166.93	$ 10.20	$ 12.30
Carfare	E						75.75
Other Transportation	F						
Communication—	E7			14.16	.20		
Telephone	A				1.62		
Telegraph and Messenger	B				364.00	265.17	
General Plant Service	E8	$ 14.90	3.26	741.22	8.25		
Contingencies	F						
Fixed Charges and Contributions—	G			518.17	31.50		
Rent	2	65.00	6.00	267.33			
Insurance	4				.60		
Other Fixed Charges	6						
Total Expenditures	.....	$ 912.23	$ 7,464.91	$ 7,883.52	$ 51,497.90	$ 3,000.00	$ 2,500.00

**Credit.

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC WORKS—Continued

Account Title	Symbol	Bureau of Construction					
		Revision of Quarter Section Sheets	West Side Trunk Sewer Survey	Sewerage Study	Setting Monuments	New Quarter Section Sheets	Shelving in Dark Room
Personal Services—	A						
Salaries	1	$ 1,445.54	$ 1,917.78	$ 2,396.05	$ 689.11	$ 961.50	
Special Services	2						
Supplies—	B						
Office	1	36.96	39.76	58.16	23.74	26.61	
Fuel	2						
Food	4						
Cleaning and Disinfecting	5						
Motor Vehicle	6	1.84	4.87	25.42	11.76	1.30	
General Plant	10	3.72	4.40	267.20	3.11	1.38	
Material—	C						
Highway	1						
Sewer	2						
Building	3						
General Plant	4						
Equipment—	D						$ 7.40
Office	1						
Motor Vehicles and Equipment	5						
Tools	7						
General Plant	8						
Repairs—	E			158.73			
General	2	2.47	2.50	1.59	1.80	2.65	
Motor Vehicle	3	2.60	6.87	32.98	16.58	1.82	

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC WORKS—Continued

Account Title	Symbol	Bureau of Construction					
		Revision of Quarter Section Sheets	West Side Trunk Sewer Survey	Sewerage Study	Setting Monuments	New Quarter Section Sheets	Shelving in Dark Room
Light, Heat and Power	E4						
Janitorial Service	E5						
Transportation—	E6						
Hire of Horses	A						
Hire of Automobiles	B		$ 15.00				
Storage Motor Vehicles	C						
Carfare	E	$ 6.87	8.82	$ 11.72	$ 3.90	$ 4.74	
Other Transportation	F						
Communication—	E7						
Telephone	A			3.15			$ 16.80
Telegraph and Messenger	B			15.00			
General Plant Service	E8						
Contingencies	F						
Fixed Charges and Contributions—	G			30.00			
Rent	2						
Insurance	4						
Other Fixed Charges	6						
Total Expenditure		$ 1,500.00	$ 2,000.00	$ 3,000.00	$ 750.00	$ 1,000.00	$ 24.20

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC WORKS—Continued

Account Title	Symbol	Total Department Public Works	Engineering 6% Rotary	Engineering Burnside Street Widening	Maintenance Stock Account	Sidewalk Rotary	Grand Total
Personal Services—	A						
Salaries	1	$ 334,307 58	$ 198,483.58	$ 1,348.07	$ 4,066.69		$ 538,206.00
Special Services	2		5,017.66	7,000.00			12,017.66
Supplies—	B						
Office	1	1,925.29	5,305.93	169.22			7,400.44
Fuel	2	30.00					30.00
Food	4	21.50					21.50
Cleaning and Disinfecting	5	7.05					7.05
Motor Vehicle	6	7,528.81	711.44	2.13	** 6.47	$ 135.63	8,371.54
General Plant	10	5,464.70	835.68	4.73	** 7.63	31.36	6,328.84
Material—	C						
Highway	1	15,513.45				2,771.87	18,285.32
Sewer	2	6,089.85					6,089.85
Building	3	13.90	6.93				20.83
General Plant	4	11,103.41	22.27		** 81.91		11,043.77
Equipment—	D						
Office	1	3,308.94					3,308.94
Motor Vehicles and Equipment	5	13,300.88					13,300.88
Tools	7	729.71	1.10		230.43		961.24
General Plant	8	4,259.37	341.33		402.01	54.46	5,057.17
Repairs—	E						
General	2	100,763.04	235.62	1.89		.73	101,001.28
Motor Vehicle	3	4,496.92	854.06	2.99		69.30	5,423.27
Light, Heat and Power	E4	13.20					13.20
Janitorial Service	E5	3.50					3.50

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC WORKS—Continued

Account Title	Symbol	Total Department of Public Works	Engineering 6% Rotary	Engineering Burnside Street Widening	Maintenance Stock Account	Sidewalk Rotary	Grand Total
Transportation—	E6						$ 260.00
Hire of Horses	A	$ 260.00					204.00
Hire of Automobiles	B	204.00					66.81
Storage Motor Vehicles	C	66.81					1,966.85
Carfare	E	843.70	$ 1,115.01	$ 8.14			693.81
Other Transportation	F	693.81					
	E7						33.41
Communication—	A	23.21	10.20				55.27
Telephone	B	42.31	12.96				3,841.76
Telegraph and Messenger	E8	2,037.77	1,643.05			$ 160.94	1,757.77
General Plant Service	F	1,569.10	12.39			176.28	
Contingencies	G						910.17
Fixed Charges and Contributions—	2	869.67	40.50				2,891.73
Rent	4	2,891.73					2.60
Insurance	6	2.60					
Other Fixed Charges							
Total Expenditure		$ 518,385.89	$ 214,649.71	$ 8,537.17	$ 536.43	$ 7,467.26	$ 749,576.46
Total Warrants Drawn		$ 530,406.90	$ 137,621.47	$ 7,000.00	$ 11,471.74	$ 302.17	$ 686,802.28
Miscellaneous Debits		174,480.59	95,312.33	1,537.17	3,008.07	7,893.33	282,240.49
Miscellaneous Credits (Deduct)		186,510.60	18,284.09		13,943.38	728.24	219,466.31
Claims Outstanding		87.10					87.10
Total Encumbrance		$ 518,472.99	$ 214,649.71	$ 8,537.17	$ 536.43	$ 7,467.26	$ 749,663.56
Total Appropriation		520,010.81	220,601.60	8,831.54	1,000.00	10,204.83	760,648.78
Unencumbered Balance		$ 1,537.82	$ 5,951.89	$ 294.37	$ 463.57	$ 2,737.57	$ 10,985.22

** Credit.

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC UTILITIES

Account Title	Symbol	Commissioner's Office	Lighting	Sealer of Weights and Measures	Bureau of Health	Totals
Personal Services—	A					
Salaries	1	$ 10,160.00		$ 5,327.35	$ 113,253 71	$ 128,741 06
Supplies—	B					
Office	1	176.55	$ 19.25	66.60	1,985.18	2,247.58
Fuel	2				1,445.25	1,445.25
Food	4				4,701.62	4,701.62
Cleaning and Disinfecting	5	.80			849.39	850.19
Motor Vehicle	6			131.70	3,037.37	3,169.07
Medical and Surgical	9				4,550.95	4,550.95
General Plant	10	11.62			585.18	596.80
Material—	C					
Building	3				297.39	297.39
General Plant	4				8.31	8.31
Equipment—	D					
Office	1	142.92		35.00	314.79	492.71
Household	2				568.49	568.49
Motor Vehicles and Equipment	5			11.31	2,162.66	2,173.97
Tools	7				7.10	7.10
General Plant	8				1,953.69	1,953.69
Contract and Open Order Service—	E					
Construction and Extension	1		3,202.92			3,202.92
Repairs—	E					
General	2				2,278.73	2,278.73
Motor Vehicle	3			98.09	2,419.31	2,517.40
Light, Heat and Power	E4				227.18	227.18
Lighting Streets	A		258,838.30			258,838.30
Lighting Buildings	B		11,984.60			11,984.60
Janitorial Service	E5				605.23	605.23

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

DEPARTMENT OF PUBLIC UTILITIES—Continued

Account Title	Symbol	Commissioner's Office	Lighting	Sealers, Weights and Measures	Bureau of Health	Totals
Transportation—	E6				$ 3,067.00	$ 3,067.00
Hire of Automobiles	B				.35	.35
Storage of Motor Vehicles	C				1,398.51	1,398.51
Carfare	E				1.00	1.00
Other Transportation	F					
Communication—	E7				11.40	11.40
Telephone	A				.60	.60
Telegraph and Messenger	B				3,771.80	3,771.80
General Plant Service	E8				2,750.00	2,750.00
Dental Clinic			$ 106.73			106.73
Removals					229.91	229.91
Rat Fund						
Total Expenditure		$ 10,491.89	$ 274,151.80	$ 5,670.05	$ 152,482.10	$ 442,795 84
Total Warrants Drawn		$ 10,314.54	$ 274,132.55	$ 5,362.35	$ 142,780.21	$ 432,589.65
Miscellaneous Debits		177.35	19.25	307.70	10,028.04	10,532.34
Miscellaneous Credits (Deduct)					326.15	326.15
Claims Outstanding			2,200.00		213.60	2,413.60
Total Encumbrance		$ 10,491.89	$ 276,351.80	$ 5,670.05	$ 152,695.70	$ 445,209.44
Total Appropriation		10,491.89	275,450 88	5,670.05	152,633.12	444,245.94
Unencumbered Balance			$ * 900.92		$ * 62.58	$ * 963.50

* Deficit

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF HEALTH

Account Title	Symbol	Main Office	Contagious Division	Bacteriological Laboratory	School Division	Milk Division
Personal Services—	A					
Salaries	1	$ 13,091.05	$ 7,873.32	$ 9,180.00	$ 14,600.00	$ 13,580.13
Supplies—	B					
Office	1	498.05	149.60	53.88	747.73	43.69
Fuel	2					
Food	4					
Cleaning and Disinfecting	5		469.62	40.46		
Motor Vehicle	6	312.08	799.03		116.41	1,084.65
Medical and Surgical	9		2,105.25	584.25	504.06	.75
General Plant	10	4.13		22.31		44.00
Material—	C					
Building	3			4.19		
General Plant	4		.20	.81		
Equipment—	D					
Office	1	222.54			92.25	
Household	2			41.75		
Motor Vehicles and Equipment	5	14.73	55.40		603.96	898.01
Tools	7					
General Plant	8			68.13		
Repairs—	E					
General	2	15.85	1.25	77.21		
Motor Vehicle	3	244.87	691.18		83.70	926.80
Light, Heat and Power	E4					
Janitorial Service	E5			218.15		

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF HEALTH—Continued

Account Title	Symbol	Main Office	Contagious Division	Bacterio-logical Laboratory Division	School Division	Milk Division
Transportation—	E6					
Hire of Automobiles	B					
Storage Motor Vehicles	C					
Carfare	E	$ 1.50	$ 1.25		$ 784.46	$ .35 126.15
Other Transportation	F		1.00			
Communication—	E7					
Telephone	A	7.80	.20		.40	1.15
Telegraph and Messenger	B	.60				
General Plant Service	E8					
Rat Fund						
Dental Clinic					2,750.00	
Total Expenditure		$ 14,413.20	$ 12,147.30	$ 10,291.14	$ 20,282.97	$ 16,705.68

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF HEALTH—Continued

Account Title	Symbol	Meat Division	Emergency Hospital	Sanitary Division	Isolation Hospital	Totals
Personal Services—	A					
Salaries	1	$ 13,325.00	$ 8,376.24	$ 24,767.96	$ 8,460.01	$ 113,253.71
Supplies—	B					
Office	1	36.07	25.00	420.56	10.60	1,985.18
Fuel	2				1,445.25	1,445.25
Food	4		333.35		4,368.27	4,701.62
Cleaning and Disinfecting	5				339.31	849.39
Motor Vehicle	6	395.00		330.20		3,037.37
Medical and Surgical	9		894.50		462.14	4,550.95
General Plant	10	6.66	68.43	10.79	428.86	585.18
Material—	C					
Building	3				293.20	297.39
General Plant	4			3.55	3.75	8.31
Equipment—	D					
Office	1					314.79
Household	2		61.63		465.11	568.49
Motor Vehicles and Equipment	5	18.75		571.81		2,162.66
Tools	7				7.10	7.10
General Plant	8	10.92			1,874.64	1,953.69
Repairs—	E					
General	2		47.75		2,136.67	2,278.73
Motor Vehicle	3	329.02		143.74		2,419.31
Light, Heat and Power	E4				227.18	227.18
Janitorial Service	E5		295.31	58.77	33.00	605.23
Transportation—	E6					
Hire of Automobiles	B		3,067.00			3,067.00
Storage Motor Vehicles	C					.35
Carfare	E			478.15	7.00	1,398.51
Other Transportation	F					1.00

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

BUREAU OF HEALTH—Continued

Account Title	Symbol	Meat Division	Emergency Hospital	Sanitary Division	Isolation Hospital	Totals
Communication—	E7				$ 1.85	$ 11.40
Telephone	A					.60
Telegraph and Messenger	B		$ 3,771.80			3,771.80
General Plant Service	E8			$ 229.91		229.91
Rat Fund						2,750.00
Dental Clinic						
Total Expenditure		$ 14,121.42	$ 16,941.01	$ 27,015.44	$ 20,563.94	$ 152,482.10
Total Warrants Drawn						$ 142,780.21
Miscellaneous Debits						10,028.04
Miscellaneous Credits (Deduct)						326.15
Claims Outstanding						213.60
Total Encumbrance						$ 152,695.70
Total Appropriation						152,633.12
Unencumbered Balance						$ * 62.58

* Deficit

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

SPECIAL DEPARTMENTS

Account Title	Symbol	Civil Service Board	Department of Auditing	City Planning Commission	Totals
Personal Services—	A				
Salaries	1	$ 6,180.00	$ 79,931.82	$ 6,274.43	$ 92,386.25
Special Services	2		935.80		935.80
Supplies—	B				
Office	1	473.12	5,502.97	399.35	6,375.44
Cleaning and Disinfecting	5	.80	5.85		6.65
Motor Vehicle	6			110.76	110.76
General Plant	10		5.00		5.00
Material—	C				
General Plant	4			3.35	3.35
Equipment—	D				
Office	1	386.50	588.46	67.90	1,042.86
Motor Vehicles and Equipment	5			925.60	925.60
Tools	7			.40	.40
Repairs—	E				
General	2	21.85	135.81	.01	157.67
Motor Vehicle	3			38.37	38.37
Transportation—	E6				
Carfare	E			.01	.01
Other Transportation	F		225.00		225.00
General Plant Service	E8		420.00	15.00	435.00
Fixed Charges and Contributions—	G				
Rent	2		3.00		3.00
Special Studies				3,311.55	3,311.55
Total Expenditures		$ 7,062.27	$ 87,753.71	$ 11,146.73	$ 105,962.71
Total Warrants Drawn		$ 6,588.35	$ 82,334.68	$ 10,616.59	$ 99,539.62
Miscellaneous Debits		473.92	5,546.78	530.14	6,550.84
Miscellaneous Credits (Deduct)			127.75		127.75
Claims Outstanding					
Total Encumbrance		$ 7,062.27	$ 87,753.71	$ 11,146.73	$ 105,962.71
Total Appropriations		7,062.27	87,753.71	11,766.78	106,582.76
Unencumbered Balance				$ 620.05	$ 620.05

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

SPECIAL APPROPRIATIONS

Account Title	Total Expenditures	Total Warrants Drawn	Miscellaneous Debits	Miscellaneous Credits (Deduct)	Claims Outstanding	Total Encumbrance	Total Appropriation	Unencumbered Balance
Advertising	$ 42,866.95	$ 42,866.95				$ 42,866.95	$ 42,866.95	
Annexation Expense	97.75	91.00	$ 6.75			97.75	97.75	
Assessments Against City Property	30,878.55	30,878.55				30,878.55	30,878.55	
Annual Audit					$ 1,700.00	1,700.00	1,700.00	
Armistice Day Expense	200.00	200.00				200.00	200.00	
Appraisal of City Property	620.97	620.97				620.97	620.97	
Accounting Expense Oregon Humane Soc					300.00	300.00	300.00	
Budget Expense	499.90	234.55	265.35			499.90	499.90	
Charter Committee Expense	618.88	589.18	29.70			618.88	618.88	
Codifying Ordinance							6,000.00	$ 6,000.00
Compiling Property Records							250.00	250.00
Distribution of 1927 Taxes	290,247.92	290,247.92				290,247.92	328,544.00	38,296.08
Election Expense	6,260.74	5,526.92	733.82			6,260.74	6,260.74	
Electrical Examiners Expense	180.00	180.00				180.00	240.00	60.00
Emergency Fund of the Council	5,600.00	5,600.00				5,600.00	5,600.00	
Earwig Control	6,407.53	5,528.93	878.60			6,407.53	6,407.53	
Fiske St. Trunk Sewer	1,400.00	1,400.00				1,400.00	1,400.00	
Free Dispensary	2,800.00	2,800.00				2,800.00	2,800.00	
Judgments	173.40	173.40				173.40	173.40	
Legal Opinion	85.00	85.00				85.00	85.00	
Litigation Expense	98.40	98.40				98.40	98.40	
Memorial Day Observance	600.00	600.00				600.00	600.00	
Oregon Humane Society	15,503.52	15,503.52				15,503.52	24,820.00	9,316.48
Payment of Damage Ext'n E. 17th St	200.00	200.00				200.00	200.00	
Pensions	5,943.00	5,943.00				5,943.00	5,943.00	
Premium on Insurance	10,447.70	12,833.42		$ 2,385.72		10,447.70	10,447.70	

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

SPECIAL APPROPRIATIONS—Continued

Account Title	Total Expenditures	Total Warrants Drawn	Miscellaneous Debits	Miscellaneous Credits (Deduct)	Claims Outstanding	Total Encumbrance	Total Appropriation	Unencumbered Balance
Premium on Employees' Bonds	$ 3,841.14	$ 3,841.14				$ 3,841.14	$ 3,841.14	
Printing Mayor's Message and Report	182.13	182.13			$ 3,148.45	3,330.58	3,330.58	
Postage	8,730.16	8,788.28		$ 58.12		8,730.16	8,730.16	
Printing Codes	1,314.39	1,144.54	$ 169.85			1,314.39	1,897.80	$ 583.41
Purchase of Right-of-Way	4,500.00	5,000.00		500.00		4,500.00	4,500.00	
Payment of Taxes	480.19	480.19				480.19	480.19	
Purchase of City Seal	27.50			27.50		27.50	27.50	
Removal of Snow and Ice	20,170.37	20,170.37				20,170.37	20,170.37	
Refund on Licenses	480.54	480.54				480.54	480.54	
Relief of Certain Persons	3,471.32	3,472.92		1.60		3,471.32	3,471.32	
Relief of Mrs. J. F. McFeron	480.00	480.00				480.00	480.00	
Relief of Rachael Powers	72.00	72.00				72.00	72.00	
Repairs to Bridges	2,095.73	2,095.73				2,095.73	2,095.73	
Repairs to Fourth St	746.06			746.06		746.06	746.06	
Refund Widening Wood St	13,165.35	13,165.35				13,165.35	13,165.35	
State Auto License	239.18	344.26		9.16	114.24	239.18	239.18	
Securing Evidence	13,500.00	13,500.00				13,500.00	13,500.00	
St. Fountain Maintenance	684.62			684.62		684.62	684.62	
Transfers to Street and Sewer Int. Fund	22,000.00	22,000.00				22,000.00	22,000.00	
Telegraph and Cable Service	50.07	50.07				50.07	50.07	
Visiting Nurse Association	9,500.00	9,500.00				9,500.00	9,500.00	
Widening Jefferson and Chapman Sts	2,102.59	955.00	1,147.59			2,102.59	2,500.00	397.41
Interest on Loans	31,979.70	35,890.44		3,910.74		31,979.70	31,979.70	
Total	$561,543.25	$563,814.67	$ 4,699.00	$ 6,970.42	$ 5,148.45	$566,691.70	$621,595.08	$ 54,903.38

ANALYSIS OF ANNUAL EXPENSES OF THE VARIOUS DEPARTMENTS PAYABLE OUT OF THE GENERAL FUND FOR YEAR ENDING NOVEMBER 30, 1927—Continued

SPECIAL ROTARY AND TRUST APPROPRIATION

Account Title	Total Expenditures	Total Warrants Drawn	Miscellaneous Debits	Miscellaneous Credits (Deduct)	Claims Outstanding	Total Encumbrance	Total Appropriation	Unencumbered Balance
Tuberculin Rotary Account	$ 708.56	$ 641.66	$ 66.90			$ 708.56	$ 1,371.61	$ 663.05
Garage Rotary Account	1,731.47	12,271.40	4,730.48	$ 15,270.41		1,731.47	3,000.00	1,268.53
Stationery Rotary Account	3,200.91	47,835.09	3,990.43	48,624.61		3,200.91	6,500.00	3,299.09
Stores Rotary Account	1,699.50	104,922.89	4,745.48	107,968.87	$ 430.00	2,129.50	27,000.00	24,870.50
Shop Rotary Account	3,988.17	61,395.51	39,546.08	96,953.42		3,988.17	3,200.00	* 788.17
Telephone Rotary Account	2,472.69	4,401.25		1,928.56		2,472.69	2,472.69	
Temporary Loans	4,263,000.00	4,263,000.00			262,000.00	4,525,000.00	6,810,000.00	2,285,000.00
Totals	$4,276,801.30	$4,494,467.80	$ 53,079.37	$ 270,745.87	$ 262,430.00	$4,539,231.30	$6,853,544.30	$2,314,313.00

* Deficit.

APPROPRIATIONS BROUGHT FORWARD FROM 1926 AND WARRANTS DRAWN IN PAYMENT OF CLAIMS AUTHORIZED DURING THE YEAR 1926, FOR EACH DEPARTMENT BY BUREAUS

Account Title	Symbol	Bureau of Parks	Bureau of City Hall	Municipal Garage Expense	Treasurer's Office	Public Employment Bureau	Bureau of Fire
Personal Services—	A						
Special Services	2						
Supplies—	B						
Office	1				$ 375.00		
Botanical and Agricultural	7	$ 10.00					
Material—	C						
General Plant	4						$ 3,084.20
Equipment—	D						
Household	2					$ 143.92	
Educational and Recreational	6	170.00					
Contract and Open Order Service—	E						
Construction and Extension	1	322.73					
Repairs—	E						
General	2		$ 295.00				
Light, Heat and Power	E4			$ 81.36			
Transportation—	E6						
Hire of Automobiles	B						
General Plant Service	E8						
Total Expenditures		$ 502.73	$ 295.00	$ 81.36	$ 375.00	$ 143.92	$ 3,084.20
Total Warrants Drawn		$ 502.73	$ 295.00	$ 81.36	$ 375.00	$ 143.92	$ 3,084.20
Miscellaneous Debits							
Miscellaneous Credits (Deduct)							
Claims Outstanding							
Total Encumbrance		502.73	295.00	81.36	375.00	143.92	3,084.20
Total Appropriation		502.73	295.00	81.36	375.00	143.92	3,084.20
Unencumbered Balance							

APPROPRIATIONS BROUGHT FORWARD FROM 1926 AND WARRANTS DRAWN IN PAYMENT OF CLAIMS AUTHORIZED DURING THE YEAR 1926 FOR EACH DEPARTMENT BY BUREAUS—Continued

Account Title	Symbol	Department of Public Works	Bureau of Health	Department of Auditing	Annual Audit of Financial Books	Printing Annual Report	Grand Totals Prior Year
Personal Services—	A						
Special Services	2				$ 1,695.00		$ 1,695.00
Supplies—	B						
Office	1					$ 4,901.02	5,276.02
Botanical and Agricultural	7						10.00
Material—	C						
General Plant	4						3,084.20
Equipment—	D						
Household	2						143.92
Educational and Recreational	6						170.00
Contract and Open Order Service—	E						
Construction and Extension	1						322.73
Repairs—	E						
General	2	$ 269.07					564.07
Light, Heat and Power	E4		$ 6.67				88.03
Transportation—	E6						
Hire of Automobiles	B	36.50					36.50
General Plant Service	E8			$ 35.00			35.00
Total Expenditures		$ 305.57	$ 6.67	$ 35.00	$ 1,695.00	$ 4,901.02	$ 11,425.47
Total Warrants Drawn		$ 305.57	$ 6.67	$ 35.00	$ 1,695.00	$ 4,901.02	$ 11,425.47
Miscellaneous Debits							
Miscellaneous Credits (Deduct)							
Claims Outstanding							
Total Encumbrance		305.57	6.67	35.00	1,695.00	4,901.02	11,425.47
Total Appropriation		305.57	6.67	35.00	1,695.00	5,000.00	11,524.45
Unencumbered Balance						$ 98.98	$ 98.98

RECAPITULATION OF PRIOR YEAR CLAIMS

Account Title	Symbol	Department of Finance	Department of Public Affairs	Department of Public Works	Department of Public Utilities	Special Department	Special Appropriation	Totals
Supplies—	B							
Office	1	$ 375.00						$ 375.00
Botanical and Agricultural	7	10.00						10.00
Material—	C							
General Plant	4		$ 3,084.20					3,084.20
Equipment—	D							
Household	2		143.92					143.92
Educational and Recreational	6	170.00						170.00
Contract and Open Order Service—	E							
Construction and Extension	1	322.73						322.73
Repairs—	E							
General	2	295.00		$ 269.07				564.07
Light, Heat and Power	E4	81.36			$ 6.67			88.03
Transportation—	E6							
Hire of Automobiles	B			36.50				36.50
General Plant Service	E8					$ 35.00		35.00
Annual Audit Financial Books							$ 1,695.00	1,695.00
Printing Annual Report							4,901.02	4,901.02
Total Expenditures		$ 1,254.09	$ 3,228.12	$ 305.57	$ 6.67	$ 35.00	$ 6,596.02	$ 11,425.47
Total Warrants Drawn		$ 1,254.09	$ 3,228.12	$ 305.57	$ 6.67	$ 35.00	$ 6,596.02	$ 11,425.47
Miscellaneous Debits								
Miscellaneous Credits (Deduct)								
Claims Outstanding								
Total Encumbrance		1,254.09	3,228.12	305.57	6.67	35.00	6,596.02	11,425.47
Total Appropriation		1,254.09	3,228.12	305.57	6.67	35.00	6,695.00	11,524.45
Unencumbered Balance							$ 98.98	$ 98.98

RECAPITULATION OF GENERAL FUND APPROPRIATIONS FOR YEAR ENDING NOVEMBER 30, 1927

Account Title	Symbol	Department of Public Safety	Department of Finance	Department of Public Affairs	Department of Public Utilities	Department of Public Works	Civil Service Board
Personal Services—	A						
Salaries	1	$ 898,939.33	$ 349,149.05	$1,260,637.45	$ 128,741.06	$ 538,206.00	$ 6,180.00
Special Services	2	339.00	528.74			12,017.66	
Supplies—	B						
Office	1	13,126.29	4,951.09	3,023.52	2,247.58	7,400.44	473.12
Fuel	2	543.87	4,179.33	16,653.83	1,445.25	30.00	
Forage and Veterinary	3		5,745.33				
Food	4	15,923.84	72.32		4,701.62	21.50	
Cleaning and Disinfecting	5	1,158.46	6,684.95	2,966.29	850.19	7.05	.80
Motor Vehicle	6	17,054.95	1,947.87	29,318.20	3,169.07	8,371.54	
Botanical and Agricultural	7		3,226.72	26.08			
Educational and Recreational	8		2,078.96				
Medical and Surgical	9	2.25	65.29	37.44	4,550.95		
General Plant	10	1,807.06	5,483.18	6,102.06	596.80	6,328.84	
Material—	C						
Highway	1		98.00	621.58		18,285.32	
Sewer	2		232.11			6,089.85	
Building	3	624.57	352.95	3,664.48	297.39	20.83	
General Plant	4	1,302.41	3,881.57	5,607.80	8.31	11,043.77	
Equipment—	D						
Office	1	1,659.95	1,558.02	488.57	492.71	3,308.94	386.50
Household	2	270.37	272.69	1,358.48	568.49		
Motorless Vehicles and Equipment	4		** 19.00				
Motor Vehicles and Equipment	5	15,384.00	7,740.10	16,226.16	2,173.97	13,300.88	
Educational and Recreational	6						
Tools	7	72.41	358.22	2,517.07	7.10	961.24	
General Plant	8	482.26	10,657.55	5,282.35	1,953.69	5,057.17	
Contract and Open Order Service—	E						
Construction and Extension	1	306.33	141.90	690.50	3,202.92		

** Credit.

RECAPITULATION OF GENERAL FUND APPROPRIATIONS FOR YEAR ENDING NOVEMBER 30, 1927—Continued

Account Title	Symbol	Department of Public Safety	Department of Finance	Department of Public Affairs	Department of Public Utilities	Department of Public Works	Civil Service Board
Repairs—	E						
General	2	$ 938.28	$ 5,282.30	$ 19,983.14	$ 2,278.73	$ 101,001.28	$ 21.85
Motor Vehicle	3	5,646.19	1,715.88	30,858.12	2,517.40	5,423.27	
Light, Heat and Power	E4	75.13	2,622.91	964.09	227.18	13.20	
Lighting Streets	A				258,838.30		
Lighting Buildings	B				11,984.60		
Heat	D			190.54			
Janitorial Service	E5	854.18	1,268.21	960.50	605.23	3.50	
Transportation—	E6						
Hire of Horses	A					260.00	
Hire of Automobiles	B		45.00	63.75	3,067.00	204.00	
Storage Motor Vehicles	C	7.30			.35	66.81	
Shoeing and Boarding of Horses	D		174.52				
Carfare	E	113.15	273.60	255.50	1,398.51	1,966.85	
Other Transportation	F	1,828.70	1,053.60	29.25	1.00	693.81	
Communication—	E7						
Telephone	A	611.74	20.02	7.60	11.40	33.41	
Telegraph and Messenger	B	750.72	29.21	25.95	.60	55.27	
General Plant Service	E8	423.15	625.97	350.10	3,771.80	3,841.76	
Contingencies	F	6,414.42	357.00	1,639.38		1,757.77	
Fixed Charges and Contributions—	G						
Interest	1A						
Redemption	1B						
Rent	2	1,005.50	6,675.00	1,109.00		910.17	
Insurance	4	105.30	668.33			2,891.73	
Advertising	5			3.00			
Other Fixed Charges	6	10.00	30.00			2.60	
Other Contributions	7		26.00	895.00			
Multnomah Falls			1,500.00				

RECAPITULATION OF GENERAL FUND APPROPRIATIONS FOR YEAR ENDING NOVEMBER 30, 1927—Continued

Account Title	Symbol	Department of Public Safety	Department of Finance	Department of Public Affairs	Department of Public Utilities	Department of Public Works	Civil Service Board
Terwilliger Boulevard			$ 500.00				
Mt. Scott Cemetery			1,000.00				
Rose Test Medals			66.74				
Benson Park			4,893.47				
Rose Festival Decorations			1,000.00				
Music			1,641.50				
Removal Arc Lights					$ 106.73		
Rat Fund					229.91		
Special Studies							
Rotary Trust and Special Appropriation							
Dental Clinic							
Cutting Weeds					2,750.00		
Injuries to Officers		$ 3,989.28					
Rose Festival and Other Parades		313.50					
Vigilants		147.40					
Maintenance of Traffic and Warning Signs		600.00					
Permanent Traffic and Warning Signs		1,890.72					
Synchronized Traffic Signals		8,965.17					
		13,811.60					
Total Expenditures		$1,017,498.78	$ 440,856.20	$1,412,556.78	$ 442,795.84	$ 749,576.46	$ 7,062.27
Total Warrants Drawn		$1,147,220.19	$ 435,203.32	$1,554,775.93	$ 432,589.65	$ 686,802.28	$ 6,588.35
Miscellaneous Debits		25,345.13	23,902.82	79,376.49	10,532.34	282,240.49	473.92
Miscellaneous Credits (Deduct)		155,066.54	18,249.94	221,595.64	326.15	219,466.31	
Claims Outstanding		15.00	1,113.55	5,893.00	2,413.60	87.10	
Total Encumbrance		$1,017,513.78	$ 441,969.75	$1,418,449.78	$ 445,209.44	$ 749,663.56	$ 7,062.27
Total Appropriation		1,033,021.15	441,948.25	1,419,295.28	444,245.94	760,648.78	7,062.27
Unencumbered Balance		$ 15,507.37	$ ** 21.50	$ 845.50	$ ** 963.50	$ 10,985.22	

** Credit.

RECAPITULATION OF GENERAL FUND APPROPRIATIONS FOR YEAR ENDING NOVEMBER 30, 1927—Continued

Account Title	Symbol	Department of Auditing	City Planning Commission	Rotary Trust and Special Appropriation	Total Claims Paid 1927	Total Prior Year Claims Paid	Grand Total
Personal Services—	A						
Salaries	1	$ 79,931.82	$ 6,274.43		$3,268,059.14		$3,268,059.14
Special Services	2	935.80			13,821.20		13,821.20
Supplies—	B						
Office	1	5,502.97	399.35		37,124.36	$ 375.00	37,499.36
Fuel	2				22,852.28		22,852.28
Forage and Veterinary	3				5,745.33		5,745.33
Food	4				20,719.28		20,719.28
Cleaning and Disinfecting	5	5.85			11,673.59		11,673.59
Motor Vehicle	6		110.76		59,972.39		59,972.39
Botanical and Agricultural	7				3,252.80	10.00	3,262.80
Educational and Recreational	8				2,078.96		2,078.96
Medical and Surgical	9				4,655.93		4,655.93
General Plant	10	5.00			20,322.94		20,322.94
Material—	C						
Highway	1				19,004.90		19,004.90
Sewer	2				6,321.96		6,321.96
Building	3				4,960.22		4,960.22
General Plant	4		3.35		21,847.21	3,084.20	24,931.41
Equipment—	D						
Office	1	588.46	67.90		8,551.05		8,551.05
Household	2				2,470.03	143.92	2,613.95
Motorless Vehicles and Equipment	4				** 19.00		** 19.00
Motor Vehicles and Equipment	5		925.60		55,750.71		55,750.71
Educational and Recreational	6					170.00	170.00
Tools	7		.40		3,916.44		3,916.44
General Plant	8				23,433.02		23,433.02
Contract and Open Order Service—	E						
Construction and Extension	1				4,341.65	322.73	4,664.38

RECAPITULATION OF GENERAL FUND APPROPRIATIONS FOR YEAR ENDING NOVEMBER 30, 1927—Continued

Account Title	Symbol	Department of Auditing	City Planning Commission	Rotary Trust and Special Appropriation	Total Claims Paid 1927	Total Prior Year Claims Paid	Grand Total
Repairs—	E						
General	2	$ 135.81	$ .01		$ 129,641.40	$ 564.07	$ 130,205.47
Motor Vehicle	3		38.37		46,199.23		46,199.23
Light, Heat and Power	E4				3,902.51	88.03	3,990.54
Lighting Streets	A				258,838.30		258,838.30
Lighting Buildings	B				11,984.60		11,984.60
Heat	D				190.54		190.54
Janitorial Service	E5				3,691.62		3,691.62
Transportation—	E6						
Hire of Horses	A				260.00		260.00
Hire of Automobiles	B				3,379.75	36.50	3,416.25
Storage Motor Vehicles	C				74.46		74.46
Shoeing and Boarding of Horses	D				174.52		174.52
Carfare	E		.01		4,007.62		4,007.62
Other Transportation	F	225.00			3,831.36		3,831.36
Communication—	E7						
Telephone	A				684.17		684.17
Telegraph and Messenger	B				861.75		861.75
General Plant Service	E8	420.00	15.00		9,447.78	35.00	9,482.78
Contingencies	F				10,168.57		10,168.57
Fixed Charges and Contributions—	G						
Interest	1A					1,695.00	1,695.00
Redemption	1B					4,901.02	4,901.02
Rent	2	3.00			9,702.67		9,702.67
Insurance	4				3,665.36		3,665.36
Advertising	5				3.00		3.00
Other Fixed Charges	6				42.60		42.60
Other Contributions	7				921.00		921.00
Multnomah Falls					1,500.00		1,500.00

RECAPITULATION OF GENERAL FUND APPROPRIATIONS FOR YEAR ENDING NOVEMBER 30, 1927—Continued

Account Title	Symbol	Department of Auditing	City Planning Commission	Rotary Trust and Special Appropriations	Total Claims Paid 1927	Total Prior Year Claims Paid	Grand Total
Terwilliger Boulevard					$ 500.00		$ 500.00
Mt. Scott Cemetery					1,000.00		1,000.00
Rose Test Medals					66.74		66.74
Benson Park					4,893.47		4,893.47
Rose Festival Decorations					1,000.00		1,000.00
Music					1,641.50		1,641.50
Removal Arc Lights					106.73		106.73
Rat Fund					229.91		229.91
Special Studies			$ 3,311.55		3,311.55		3,311.55
Rotary Trust and Special Appropriations				$4,838,344.55	4,838,344.55		4,838,344.55
Dental Clinic					2,750.00		2,750.00
Cutting Weeds					3,989.28		3,989.28
Injuries to Officers					313.50		313.50
Rose Festival and Other Parades					147.40		147.40
Vigilants					600.00		600.00
Maintenance of Traffic and Warning Signs					1,890.72		1,890.72
Permanent Traffic and Warning Signs					8,965.17		8,965.17
Synchronized Traffic Signals					13,811.60		13,811.60
Total Expenditures		$ 87,753.71	$ 11,146.73	$4,838,344.55	$9,007,591.32	$ 11,425.47	$9,019,016.79
Total Warrants Drawn		$ 82,334.68	$ 10,616.59	$5,058,282.47	$9,414,413.46	$ 11,425.47	$9,425,838.93
Miscellaneous Debits		5,546.78	530.14	57,778.37	485,726.48		485,726.48
Miscellaneous Credits (Deduct)		127.75		277,716.29	892,548.62		892,548.62
Claims Outstanding				267,578.45	277,100.70		277,100.70
Total Encumbrance		$ 87,753.71	$ 11,146.73	$5,105,923.00	$9,284,692.02	$ 11,425.47	$9,296,117.49
Total Appropriation		87,753.71	11,766.78	7,475,139.38	11,680,881.54	11,524.45	11,692,405.99
Unencumbered Balance			$ 620.05	$2,369,216.38	$2,396,189.52	$ 98.98	$2,396,288.50

** Credit.

BONDED INDEBTEDNESS INTEREST FUND

Balance December 1, 1926		$ 155,838.34
Receipts—		
Delinquent taxes	$ 9,934.38	
1926 taxes	49,648.15	
1927 taxes	461,971.62	
1928 taxes	1,837.87	
Interest on taxes	1,401.22	
Accrued interest on bonds	1,660.66	
Transfer from General Fund		526,453.90
		21.36
		$ 682,313.60
Disbursements—		
Warrants paid and returned	205.51	
Interest coupons paid	445,092.50	
		445,298.01
Balance November 30, 1927		237,015.59
		$ 682,313.60

APPROPRIATION PAYMENT OF INTEREST

Appropriation brought forward	$ 12,295.00	
Budget appropriation 1927	441,085.00	$ 453,380.00
Coupons Audited—		
Interest coupons paid	445,092.50	
Unexpended balance	8,287.50	$ 453,380.00

APPROPRIATION EXCHANGE AND COMMISSION, NEW YORK

Budget appropriation 1927		$ 350.00
Claims Audited and Warrants Drawn—		
Exchange	$ 222.73	
Miscellaneous credit (deduct)	17.49	205.24
Unexpended balance		144.76
		$ 350.00

SINKING FUND

Balance December 1, 1926		$ 101,269.67
Receipts—		
Delinquent taxes	$ 4,830.78	
1926 taxes	30,874.83	
1927 taxes	296,283.52	
1928 taxes	1,178.70	
Interest on taxes	819.54	
Warrants cashed	13,187.77	
Interest on warrants	37.80	
Interest on daily balances	1,185.97	
Bonds cashed	13,155.25	
U. S. certificate cashed	4,100.00	
Interest on bonds and certificate	43,783.65	409,437.81
Transfers—		
General Fund	70.69	
Improvement Bond Interest Fund	4,951.12	
Improvement Bond Sinking Fund, St. Johns	41,186.51	
Improvement Bond Sinking Fund, Linnton	1,300.00	47,508.32
		$ 558,215.80
Disbursements—		
Warrants paid and returned	374,032.33	
Bonds redeemed	60,000.00	434,032.33
Balance November 30, 1927		124,183.47
		$ 558,215.80

APPROPRIATION PURCHASE OF SECURITIES

Appropriation 1927	$ 475,000.00
Claims Audited and Warrants Drawn—	
Securities purchased	374,032.33
Unexpended balance	100,967.67
	$ 475,000.00

APPROPRIATION REDEMPTION OF BONDS

Appropriation 1927		$ 60,000.00
Bonds Audited and Redeemed—		
Fire Department construction	$ 9,000.00	
Reconstruction	21,000.00	
Bridge access	10,000.00	
Playground	20,000.00	$ 60,000.00

PLAYGROUNDS AND PARKS FUND

Balance December 1, 1926		$ 14,947.58
Receipts—		
Delinquent taxes	$ 1,415.05	
1926 taxes	13,804.96	
1927 taxes	88,444.85	
1928 taxes	351.84	
Interest on taxes	204.41	
Interest on daily balances	299.49	
Refund State gas tax	27.98	
Refund account overcharge	168.75	
Sale of empty sacks	315.30	
Extension of Powell Street	8,154.30	
Change of grade Interstate Avenue	6,454.50	119,641.43
Transfers—		
General Fund	12,289.29	
Park and Boulevard Construction Fund	1,643.90	
Rose City Golf Fnud	1,215.45	15,148.64
		$ 149,737.65
Disbursements—		
Warrants paid and returned	108,120.96	
Transferred to General Fund	16,777.92	124,898.88
Balance November 30, 1927		24,838.77
		$ 149,737.65

APPROPRIATION PURCHASE OF LAND, EQUIPMENT AND IMPROVEMENT OF PLAYGROUNDS AND PARKS

Account Title	Symbol	All Parks	Alberta	Belmont	Benson	Buckman	Columbia
Personal Services—	A						
Salaries	1	$ 852.79	$ 429.48	$ 274.38		$ 4,581.50	$ 437.62
Special Services	2						
Supplies—	B						
Forage and Veterinary	3					59.95	
Cleaning and Disinfecting	5	1.05					
Motor Vehicle	6	44.82	4.80	.56		58.72	2.04
Botanical and Agricultural	7			11.10			
General Plant	10	117.66	3.87	.21		11.35	
Material—	C						
Sewer	2		31.48				
General Plant	4	1,108.39	245.46	185.07		3,902.78	292.63
Equipment—	D						
Motor Vehicles and Equipment	5	1,003.88			3,040.00	40.00	
Contract and Open Order Service—	E						
Construction and Extension	1		3,080.65	31.65		128.79	
Repairs—	E						
General	2	68.45				.60	
Motor Vehicle	3		1.00			5.76	
Transportation—	E6						
Shoeing and Boarding of Horses	D					20.00	
Contingencies	F						
Fixed Charges and Contributions—	G						
Other Fixed Charges	6			164.40			
Total Expenditures		$ 3,197.04	$ 3,796.74	$ 667.37	$ 3,040.00	$ 8,809.45	$ 732.29

APPROPRIATION PURCHASE OF LAND, EQUIPMENT AND IMPROVEMENT OF PLAYGROUNDS AND PARKS—Continued

Account Title	Symbol	Creston	Dawson	Duniway	Fulton	Gammons	Irving
Personal Services—	A						
Salaries	1	$ 1,533.60	$ 60.47	$ 1,489.87	$ 798.41	$ 627.40	
Special Services	2						$ 56.52
Supplies—	B						
Forage and Veterinary	3			6.27			
Cleaning and Disinfecting	5						
Motor Vehicle	6	51.51		2.60	3.00	1.57	
Botanical and Agricultural	7			19.00			
General Plant	10				2.04	1.71	
Material—	C						
Sewer	2	33.38					
General Plant	4	451.54	22.83	287.83		278.36	
Equipment—	D						
Motor Vehicles and Equipment	5						
Contract and Open Order Service—	E						
Construction and Extension	1	5,905.76	43.65	67.74			942.00
Repairs—	E						
General	2						
Motor Vehicle	3				3.00		
Transportation—	E6						
Shoeing and Boarding of Horses	D						
Contingencies	F	4.50			37.75		
Fixed Charges and Contributions—	G						
Other Fixed Charges	6						
Total Expenditures		$ 7,980.29	$ 126.95	$ 1,873.31	$ 844.20	$ 909.04	$ 998.52

APPROPRIATION PURCHASE OF LAND, EQUIPMENT AND IMPROVEMENT OF PLAYGROUNDS AND PARKS—Continued

Account Title	Symbol	Johnson Creek	Lents	Montavilla	Mt. Scott	Mt. Tabor	Overlook
Personal Services—	A						
Salaries	1	$ 6.23	$ 364.03	$ 1,366.14	$ 2,265.22	$ 189.31	$ 71.83
Special Services	2			175.68			
Supplies—	B						
Forage and Veterinary	3						
Motor Vehicle	6		.84	8.47	.63		
Botanical and Agricultural	7						
General Plant	10		91.28	9.80	215.08	2.45	
Material—	C						
Sewer	2						
General Plant	4		259.84	1,674.77	707.57	264.22	56.04
Equipment—	D						
General Plant	8		480.10		528.10		
Construction and Extension	1		49.50	3,490.30	19,855.50		
Repairs—	E						
General	2						
Motor Vehicle	3						
Transportation—	E6						
Shoeing and Boarding of Horses	D						
Fixed Charges and Contributions—	G						
Other Fixed Charges	6				6.75		
Purchase of Real Estate	H					4,371.75	
Total Expenditures		$ 6.23	$ 1,245.59	$ 6,725.16	$ 23,578.85	$ 4,827.73	$ 127.87

APPROPRIATION PURCHASE OF LAND, EQUIPMENT AND IMPROVEMENT OF PLAYGROUNDS AND PARKS—Continued

Account Title	Symbol	Pier	Portland Heights	Powell	Riverside	Rose City	Ross Island
Personal Services—	A						
Salaries	1	$ 5,758.15	$ 969.69	$ 1,259.13	$ 35.59	$ 578.06	$ 1,317.07
Special Services	2				108.00		
Supplies—	B						
Forage and Veterinary	3	61.64					20.00
Motor Vehicle	6	103.34	4.01	1.08		.96	5.00
Botanical and Agricultural	7						150.00
General Plant	10	7.03	4.75	91.64			
Material—	C						
Sewer	2					66.46	
General Plant	4		987.28	539.32		972.80	173.34
Equipment—	D						
General Plant	8			504.10			
Construction and Extension	1			60.50		4,472.32	
Repairs—	E						
General	2						112.87
Motor Vehicle	3	22.00					.75
Transportation—	E6						
Shoeing and Boarding of Horses	D	10.34					1.60
Fixed Charges and Contributions—	G						
Other Fixed Charges	6						
Purchase of Real Estate	H						
Total Expenditures		$ 5,962.50	$ 1,965.73	$ 2,455.77	$ 143.59	$ 6,090.60	$ 1,780.63

APPROPRIATION PURCHASE OF LAND, EQUIPMENT AND IMPROVEMENT OF PLAYGROUNDS AND PARKS—Continued

Account Title	Symbol	Sellwood	South Park	Terwilliger	U. S. Grant	Wallace	Washington	Woodstock	Totals
Personal Services—	A								
Salaries	1	$ 1,103.57	$ 252.40	$ 98.19	$ 4,335.78	$ 19.67	$ 1,220.09		$ 32,295.67
Special Services	2	100.00			1,097.74		134.00	$ 67.68	1,739.62
Supplies—	B								
Forage and Veterinary	3				24.90		9.82		182.58
Cleaning and Disinfecting	5								1.05
Motor Vehicle	6	8.22	3.57		65.77	.56	97.58		469.65
Botanical and Agricultural	7				70.55				250.65
General Plant	10	138.49			3.90		49.58		750.84
Material—	C								
Sewer	2	35.26			102.20				268.78
General Plant	4	906.28	153.32		2,856.98	3.70	357.23		16,687.58
Equipment—	D								
Motor Vehicles and Equipment	5								1,043.88
General Plant	8	32.00				17.16			1,561.46
Contract and Open Order Service—	E								
Construction and Extension	1	3,642.32					4,856.91	1,128.00	50,795.59
Repairs—	E								
General	2								181.92
Motor Vehicle	3				29.07		7.75		69.33
Transportation—	E6								
Shoeing and Boarding of Horses	D				6.22		.97		39.13
Contingencies	F								42.25
Fixed Charges and Contributions—	G								
Other Fixed Charges	6								171.15
Purchase of Real Estate	H								4,371.75
Total Expenditures		$ 5,966.14	$ 409.29	$ 98.19	$ 8,593.11	$ 41.09	$ 6,733.93	$ 1,195.68	$ 110,922.88
Total Warrants Drawn									$ 109,706.23
Miscellaneous Debits									6,255.27
Miscellaneous Credits (Deduct)									5,038.62
Claims Outstanding									541.60
Total Encumbrance									$ 111,464.48
Total Appropriation									111,285.15
Unencumbered Balance									$ * 179.33

* Deficit.

SPECIAL BRIDGE FUND

Balance December 1, 1926		$ 8,097.35
Receipts—		
Delinquent taxes	$ 643.38	
1926 taxes	1,880.88	
1927 taxes	141,511.74	
1928 taxes	562.98	
Interest on taxes	107.93	
Interest on daily balances	706.63	
Advance Vista Avenue Eng'r	8,025.28	
Right of way Vista Avenue	6,273.07	159,711.89
Transfers—		
General Fund	6,807.01	
Municipal Paving Rotary Fund	71.49	6,878.50
		$ 174,687.74
Disbursements—		
Warrants paid and returned	24,155.55	
Transferred to General Fund	26,120.85	50,276.40
Balance November 30, 1927		124,411.34
		$ 174,687.74

APPROPRIATION COST OF FILLS AND CONSTRUCTION OF BRIDGES

Account Title	Symbol	Ford Street Bridge	Interstate Avenue Fill	East Side Grade Crossing	Ninth Street Viaduct	East Seventh St. Viaduct	Terwilliger Boulevard Bridge
Personal Services—	A						
Salaries	1	$ 465.52	$ 2,232.08	$ 813.70	$ 7,834.69	$ 99.45	$ 102.43
Special Services	2		1,185.40				
Supplies—	B						
Office	1	5.16	54.43	27.39	585.72	1.95	120.82
Motor Vehicle	6	.53	3.38	1.25	13.74	.10	.14
General Plant	10	2.05	7.49	5.71	17.99	.15	.16
Material	C						
General Plant	4						
Contract and Open Order Service—	E						
Construction and Extension	1	11,844.25					
Repairs—	E						
General	2	.69	2.68	.73	12.78	.30	.15
Motor Vehicle	3	.76	4.73	1.77	17.12	.15	.21
Transportation—	E6						
Carfare	E	2.85	12.25	5.37	38.90	.41	.61
General Plant Service	E8	141.55	5,968.20		2.63		
Contingencies	F		6,270.55				
Total Expenditures		$ 12,463.36	$ 15,741.19	$ 855.92	$ 8,523.57	$ 102.51	$ 224.52

APPROPRIATION COST OF FILLS AND CONSTRUCTION OF BRIDGES—Continued

Account Title	Symbol	Vancouver Avenue Viaduct	East 42nd Street Viaduct	Wood Street Fill	East 16th Street Viaduct	Burlingame Viaduct	Totals
Personal Services—	A						
Salaries	1	$ 2,723.05	$ 400.35	$ 385.72	$ 1,520.33	$ 1,833.71	$ 18,411.03
Special Services	2						1,185.40
Supplies—	B						
Office	1	150.47	13.16	5.88	31.05	119.40	1,115.43
Motor Vehicle	6	5.26	4.08	.30	4.14	3.59	36.51
General Plant	10	8.26	1.61	.32	4.36	2.93	51.03
Material—	C						
General Plant	4					3,500.00	3,500.00
Contract and Open Order Service	E						11,844.25
Construction and Extension	1						
Repairs—	E						
General	2	5.27	1.02	.68	2.13	4.91	31.34
Motor Vehicle	3	6.54	5.78	.42	4.38	4.26	46.12
Transportation—	E6						94.48
Carfare	E	14.04	2.02	1.06	8.65	8.32	6,114.48
General Plant Service	E7	.68			.86	.56	7,770.55
Contingencies	F	1,500.00					
Total Expenditures		$ 4,413.57	$ 428.02	$ 394.38	$ 1,575.90	$ 5,477.68	$ 50,200.62
Total Warrants Drawn							$ 30,935.00
Miscellaneous Debits							26,120.85
Miscellaneous Credits (Deduct)							6,855.83
Claims Outstanding							17,591.75
Total Encumbrance							$ 67,792.37
Total Appropriation							205,764.31
Unencumbered Balance							$ 137,971.94

PUBLIC AUDITORIUM FUND

Balance December 1, 1926		$ 6,543.59
Receipts—		
Rent of building	$ 26,220.40	
Interest on daily balances	41.45	
Phone	12.38	
Sanitary towels	3.25	
Refund insurance premium	162.24	26,439.72
Transfers—		
General Fund		16,510.22
		$ 49,493.53
Disbursements—		
Warrants paid and returned	44,303.07	
Transferred to General Fund	1,890.82	46,193.89
Balance November 30, 1927		3,299.64
		$ 49,493.53

APPROPRIATION EXPENSE PUBLIC AUDITORIUM

Account Title	Symbol	Executive and Clerical	Show Expense	Building	Total	Prior Year	Grand Total
Personal Services—	A						
Salaries	1	$ 7,650.00	$ 7,414.18	$ 15,187.59	$ 30,251.77	$ 970.60	$ 31,222.37
Supplies—	B						
Office	1	120.74	435.65		556.39		556.39
Fuel	2			1,742.26	1,742.26		1,742.26
Food	4		4.00		4.00		4.00
Cleaning and Disinfecting	5			224.14	224.14		224.14
Educational and Recreational	8		1,345.65		1,345.65		1,345.65
General Plant	10		66.26	1,214.93	1,281.19		1,281.19
Material—	C						
Building	3			263.92	263.92		263.92
General Plant	4		84.00	176.21	260.21		260.21
Equipment—	D						
Office	1	184.60			184.60	23.44	208.04
Repairs—	E						
General	2			240.38	240.38	124.75	365.13
Light, Heat and Power—	E4						
Lighting Buildings	B			2,787.72	2,787.72		2,787.72
Janitorial Service	E5		78.00	309.50	387.50		387.50
Transportation—	E6						
Other Transportation	F		124.36		124.36		124.36

APPROPRIATION EXPENSE PUBLIC AUDITORIUM—Continued

Account Title	Symbol	Executive and Clerical	Show Expense	Building	Total	Prior Year	Grand Total
Communication—	E7						
Telephone	A			$ 491.15	$ 491.15		$ 491.15
Telegraph and Messenger	B			29.37	29.37		29.37
General Plant Service	E8			83.95	83.95		83.95
Contingencies	F			2.55	2.55		2.55
Fixed Charges and Contributions—	G						
Insurance	4		$ 48.56	1,707.81	1,756.37		1,756.37
Advertising	5		195.41		195.41		195.41
Other Contributions	7			62.03	62.03		62.03
Total Expenditures		$ 7,955.34	$ 9,796.07	$ 24,523.51	$ 42,274.92	$ 1,118.79	$ 43,393.71
Total Warrants Drawn							$ 41,513.11
Miscellaneous Debits							1,890.82
Miscellaneous Credits (Deduct)							10.22
Claims Outstanding							
Total Encumbrance							$ 43,393.71
Total Appropriation							44,876.62
Unencumbered Balance							$ 1,482.91

FIRE DEPARTMENT CONSTRUCTION FUND

Balance December 1, 1926		$ 7,275.47
Receipts—		
Interest on daily balances		129.41
Transfers—		
General Fund	$ 7,200.00	
Fire Department Construction Fund No. 2	4,500.00	11,700.00
		$ 19,104.88
Disbursements—		
Warrants paid and returned	4,500.00	
Transferred to—		
Fire Department Construction Fund No. 2	7,200.00	11,700.00
Balance November 30, 1927		7,404.88
		$ 19,104.88

APPROPRIATION CONSTRUCTION OF FIRE HOUSES

Appropriation 1927		$ 6,620.85
Claims Audited and Warrants Drawn—		
Architects' fees	$ 4,500.00	
Miscellaneous credits (deduct)	4,500.00	
Unexpended balance		$ 6,620.85

FIRE DEPARTMENT CONSTRUCTION FUND NO. 2

Receipts—		
Sale of bonds	$ 335,000.00	
Premium on bonds	6,656.45	
Interest on daily balances	2,498.03	
Sale of houses	166.00	$ 344,320.48
Transfers—		
General Fund	5,000.00	
Fire Department Construction Fund	7,200.00	12,200.00
		$ 356,520.48
Disbursements—		
Warrants paid and returned		188,311.42
Transfers—		
General Fund	24,282.66	
Fire Department Construction Fund	4,500.00	28,782.66
Balance November 30, 1927		139,426.40
		$ 356,520.48

APPROPRIATION CONSTRUCTION OF FIRE HOUSES NO. 2

Account Title		
Personal Services	A	
Salaries	1	$ 9,178.34
Special services	2	225.00
Supplies	B	
Office	1	352.39
Material	C	
General plant	4	2,092.71
Motor vehicles and equipment	5	152,445.28
General plant	8	17,510.74
Contract and Open Order Service	E	
Construction and extension	1	48,497.08
Communication	E-7	
Telegraph and messenger	B	6.84
Fixed Charges and Contributions	G	
Advertising	5	50.40
Purchase of Real Estate	H	8,500.00
Total expenditures		$ 238,858.78
Total warrants drawn		$ 215,181.12
Miscellaneous debits		23,677.66
Miscellaneous credits (deduct)		.....
Claims outstanding		144,548.62
Total encumbrance		$ 383,407.40
Total appropriation		310,000.00
Unencumbered balance		$ 73,407.40*

* Deficit

PARK AND BOULEVARD CONSTRUCTION FUND

Balance December 1, 1926		$ 3,853.93
Receipts—		
Interest on daily balances	$ 76.30	
Sale of empty sacks	243.90	320.20
		$ 4,174.13
Disbursements—		
Warrants paid and returned		603.80
Transferred to—		
Playgrounds and Parks Fund		1,643.90
Balance November 30, 1927		1,926.43
		$ 4,174.13

APPROPRIATION CONSTRUCTION AND IMPROVEMENT OF PARKS AND BOULEVARDS

Account Title	Symbol	Benson	Columbia	U. S. Grant	Washington	Total
Equipment—						
General Plant	D		$ 120.00		$ 48.00	$ 168.00
Contract and Open Order Service—	8 E					
Construction and Extension	1	$ 180.00		$ 1,948.00		$ 2,128.00
Total Expenditures		$ 180.00	$ 120.00	$ 1,948.00	$ 48.00	$ 2,296.00
Total Warrants Drawn						$ 896.00
Miscellaneous Debits						1,643.90
Miscellaneous Credits (Deduct)						243.90
Claims Outstanding						
Total Encumbrance						$ 2,296.00
Total Appropriation						3,924.24
Unencumbered Balance						$ 1,628.24

WATER FUND

Balance December 1, 1926		$ 610,710.69
Receipts—		
Collection of water rates	$ 1,492,240.97	
Interest on daily balances	9,960.12	
Sale of property	2,964.75	
Sale of junk	3,103.83	
Accrued interest on bonds	3,855.61	
Sale of empty sacks	149.40	
Damages extension Powell Street	8,648.99	
Damages to auto	28.10	
Overage in cash	5.37	
Employee-National Guard	9.75	
Plans	225.00	
Refund of salary	66.00	
Injury to employee	265.33	1,521,523.22
Transfers—		
General Fund	$ 1,744.70	
Water Construction Fund	877,323.67	879,068.37
		$ 3,011,302.28
Disbursements—		
Warrants paid and returned	$ 1,593,832.40	
Interest coupons paid	649,347.50	2,243,179.90
Transfars—		
General Fund	$ 33,942.99	
Municipal Paving Rotary Fund	12,229.94	
Water Construction Fund	201,872.65	
Water Bond Sinking Fund	20,000.00	268,045.58
Balance November 30, 1927		500,076.80
		$ 3,011,302.28

APPROPRIATION EXPENSE BUREAU OF WATER WORKS

Account Title	Symbol	Current Year	Prior Year	Totals
Personal Services—	A			
Salaries	1	$ 574,595.35		$ 574,595.35
Special Services	2	10,465.19	$ 46.60	10,511.79
Supplies—	B			
Office	1	11,687.60	774.00	12,461.60
Fuel	2	2,843.13		2,843.13
Food	4	1,553.05		1,553.05
Cleaning and Disinfecting	5	462.88		462.88
Motor Vehicle	6	16,237.37		16,237.37
Botanical and Agricultural	7	152.87		152.87
Medical and Surgical	9	2.55		2.55
General Plant	10	5,763.65		5,763.65
Material—	C			
Building	3	8,468.42		8,468.42
General Plant	4	4,393.51	23,912.57	28,306.08
Equipment—	D			
Office	1	79.94		79.94
Household	2	21.08		21.08
Motor Vehicles and Equipment	5	855.47		855.47
Tools	7	2,258.87	92.81	2,351.68
General Plant	8	4,809.43		4,809.43
Repairs—	E			
General	2	18,683.97		18,683.97
Motor Vehicle	3	786.53		786.53
Light, Heat and Power	E4		5.80	5.80
Lighting Buildings	B	935.70		935.70
Power	C	13,049.16		13,049.16
Heat	D	73.63		73.63
Janitorial Service	E5	97.45		97.45
Transportation—	E6			
Hire of Horses	A	644.25		644.25
Hire of Automobiles	B	471.39		471.39
Carfare	E	2,480.64		2,480.64
Other Transportation	F	1,321.48		1,321.48
Communication—	E7			
Telephone	A	1,186.36		1,186.36
Telegraph and Messenger	B	73.05		73.05
General Plant Service	E8	130.70		130.70
Contingencies	F	10,195.63		10,195.63
Fixed Charges and Contributions—	G			
Interest	1A	649,347.50		649,347.50
Rent	2	333.68		333.68
Pensions	3	5,204.00		5,204.00
Insurance	4	2,311.55		2,311.55
Advertising	5	91.00		91.00
Other Fixed Charges	6	274.80		274.80
Other Contributions	7	15.00		15.00
Exchange		240.38		240.38
Refund Water Rates and Deposit		6,190.18		6,190.18
Sinking Fund for Water Bonds		260,838.13		260,838.13
Total Expenditures		$1,619,626.52	$ 24,831.78	$1,644,458.30
Total Warrants Drawn				$1,558,702.67
Miscellaneous Debits				697,751.90
Miscellaneous Credits (Deduct)				611,996.27
Claims Outstanding				4,709.20
Total Encumbrance				$1,649,167.50
Total Appropriation				1,659,169.04
Unencumbered Balance				$ 10,001.54

WATER BOND SINKING FUND

Balance December 1, 1926		$ 45,219.36
Receipts—		
Interest on daily balances	$ 630.39	
Interest on securities	109,766.84	
Securities cashed	169,575.55	
Sinking Fund payment by Water Fund	260,838.13	540,810.91
Transferred from Water Fund		20,000.00
		$ 606,030.27
Disbursements—		
Warrants paid and returned	505,896.78	
Linnton water bonds redeemed	3,000.00	508,896.78
Balance November 30, 1927		97,133.49
		$ 606,030.27

APPROPRIATION PURCHASE OF SECURITIES

Appropriation 1927	$ 600,000.00
Claims Audited and Warrants Drawn—	
Securities purchased	505,896.78
Unexpended balance	94,103.22
	$ 600,000.00

APPROPRIATION REDEMPTION OF BONDS

Appropriation 1927	$ 6 500.00
Bonds Audited and Redeemed—	
Linnton water bonds	3,000.00
Unexpended balance	3,500.00
	$ 6,500.00

BILL POSTING BADGE FUND

Balance December 1, 1926	$ 384.00
Receipts—	
Deposit on badges	4.00
	$ 388.00
Disbursements—	
Badges redeemed	4.00
Transferred to General Fund	384.00
	$ 388.00

MUNICIPAL PAVING IMPROVEMENT FUND

Receipts—		
Borrowed from bank		$ 40,000.00
Disbursements—		
Transferred to Municipal Paving Rotary Fund		$ 40,000.00

APPROPRIATION IMPROVEMENT OF STREETS

Appropriation 1927		$ 200,000.00
Claims Audited—		
Improvement Forty-first Street S. E., Woodstock to Forty-fifth Avenue		$ 40,000.00
Balance canceled		160,000.00
		$ 200,000.00

REDEMPTION FUND

Balance December 1, 1926		$ 13,470.22
Receipts—		
Redemption of property		102,472.23
Transfers—		
Assessment Collection Fund	$ 22.42	
Street Improvement Fund	441.00	
Street and Sewer Interest Fund	9.61	473.03
		$ 116,415.48
Disbursements—		
Warrants paid and returned		111,003.41
Balance November 30, 1927		5,412.07
		$ 116,415.48

APPROPRIATION REDEMPTION OF CERTIFICATES

Appropriation 1927		$ 200,000.00
Claims Audited and Warrants Drawn—		
Certificates redeemed		$ 101,568.87
Unexpended balance		98,431.13
		$ 200,000.00

ASSESSMENT COLLECTION FUND

Balance December 1, 1926		$ 402,134.94
Receipts—		
Interest on daily balances	$ 3,702.32	
Sale of property	270,762.27	
Redemption of property	61,388.74	
Refund of salary	6.00	
Interest on time deposit	3,750.00	
Extension Powell Street	2,033.70	341,643.03
Transfers—		
General Fund	3.75	
Rose City Golf Fund	14.16	
Street Improvement Fund	119.98	
Sewer Fund	1.50	
Street and Sewer Interest Fund	44.02	
Improvement Bond Interest Fund	34.82	
Improvement Bond Sinking Fund	55.57	273.80
		$ 744,051.77
Disbursements—		
Warrants paid and returned	433,932.43	
Bonds redeemed	203,000.00	636,932.43
Transfers—		
General Fund	948.83	
Redemption Fund	22.42	
Rose City Golf Fund	407.13	1,378.38
Balance November 30, 1927		105,740.96
		$ 744,051.77

APPROPRIATION PURCHASE OF PROPERTY FOR DELINQUENT ASSESSMENTS

Appropriation 1927		$ 509,580.00
Claims Audited and Warrants Drawn—		
Property purchased	$ 371,992.07	
Miscellaneous credits (deduct)	2,608.27	369,383.80
Unexpended balance		140,196.20
		$ 509,580.00

WOMEN'S DETENTION HOME FUND

Balance December 1, 1926		$ 998.99
Receipts—		
Interest on daily balances		19.79
		$ 1,018.78
Balance November 30, 1927		$ 1,018.78

MUNICIPAL PAVING ROTARY FUND

Balance December 1, 1926		$ 45,053.35
Receipts—		
Repairs to pavements	$ 40,184.01	
Warrants cashed	124,091.63	
Interest on warrants	2,495.79	
Interest on daily balances	1,289.52	
Sale of empty sacks	614.00	
Repairs to auto	16.25	
Refund of state gas tax	309.37	
Sale of old plant	175.00	169,175.57
Transfers—		
General Fund	98,385.23	
Water Fund	12,229.54	
Municipal Paving Improvement Fund	40,000.00	
Rose City Golf Fund	31,295.00	
Water Construction Fund	29,381.07	211,291.24
		$ 425,520.16
Disbursements—		
Warrants paid and returned		278,825.02
Transfers—		
General Fund	83,920.68	
Special Bridge Fund	71.49	
Gantry Crane Fund	13,250.00	97,242.17
Balance November 30, 1927		49,452.97
		$ 425,520.16

APPROPRIATION PAVING ROTARY ACCOUNT NOVEMBER 30, 1927

Account Title		
Personal Services	A	
Salaries	1	$ 80,288.93
Special services	2	3,560.00
Supplies	B	
Office	1	665.60
Fuel	2	9,316.62
Motor vehicle	6	6,122.16
General plant	10	2,075.33
Material	C	
Highway	1	*144,150.81
Equipment	D	
Office	1	171.50
Tools	7	584.23
Contract and Open Order Service	E	
Construction and extension	1	*70,372.37
Repairs	E	
General	2	*961.31
Light, Heat and Power	E-4	
Power	C	930.54
Transportation	E-6	
Hire of horses	A	320.00
Hire of automobiles	B	3,398.41
Carfare	E	40.15
Communication	E-7	
Telephone	A	208.02
Telegraph and messenger	B	1.20
Fixed Charges and Contributions	G	
Insurance	4	2,408.04
Other contributions	7	105.66
Purchase of Real Estate	H	27,702.00
Loan to General Fund	.....	30,000.00
Other Contributions	.....	40,000.00
Transferred to appropriation	.....	7,586.10
Total expenditure charges offset by credits	.....	$ .....
Total warrants drawn	.....	$ 275,639.75
Miscellaneous debits	.....	104,828.27
Miscellaneous credits (deduct)	.....	380,468.02
Claims outstanding	.....	2,158.80
Total encumbrance	.....	$ 2,158.80
Total appropriation	.....	25,590.00
Unencumbered balance	.....	$ 23,431.20

* Credit

EASTMORELAND GOLF FUND

Balance December 1, 1926		$ 9,655.92
Receipts—		
Interest on daily balances	$ 159.30	
Green fees	42,919.80	
Mowing links	1,030.68	
Refund state gas tax	37.64	
Concessions	450.00	44,597.42
Transfers—		
General Fund	196.92	
West Hills Golf Fund	1,050.36	
Rose City Golf Fund	12,589.32	13,836.60
		$ 68,089.94
Disbursements—		
Warrants paid and returned	37,010.30	
Utility certificates redeemed	10,000.00	
Interest on certificates	5,520.00	52,530.30
Transfers—		
General Fund	2,802.66	
Rose City Golf Fund	680.00	3,482.66
Balance November 30, 1927		12,076.98
		$ 68,089.94

APPROPRIATION EXPENSE EASTMORELAND GOLF LINKS

Account Title	Symbol	Operation and Maintenance	Eastmoreland Golf Links Rotary	Total
Personal Services—	A			
Salaries	1	$ 24,248.07		$ 24,248.07
Special Services	2	269.56		269.56
Supplies—	B			
Office	1	22.40		22.40
Fuel	2	132.12		132.12
Forage and Veterinary	3	376.07		376.07
Cleaning and Disinfecting	5	66.42		66.42
Motor Vehicle	6	209.03		209.03
Botanical and Agricultural	7	714.67		714.67
General Plant	10	1,107.44		1,107.44
Material—	C			
Sewer	2	569.53		569.53
Building	3	231.77		231.77
General Plant	4	511.89		511.89
Equipment—	D			
Motorless Vehicles and Equipment	4	20.00		20.00
Motor Vehicles and Equipment	5	35.15		35.15
Tools	7	.35		.35
General Plant	8	1,173.21		1,173.21
Repairs—	E			
General	2	499.44		499.44
Motor Vehicle	3	143.27		143.27
Light, Heat and Power	E4	100.82		100.82
Janitorial Service	E5	7.64		7.64
Transportation—	E6			
Shoeing and Boarding of Horses	D	65.26		65.26
Other Transportation	F	24.00		24.00
Communication—	E7			
Telephone	A	130.31		130.31
Fixed Charges and Contributions—	G			
Interest	1A	5,520.00		5,520.00
Redemption	1B	10,000.00		10,000.00
Rent	2	69.00		69.00
Insurance	4	284.83		284.83
Other Fixed Charges	6	4,889.56		4,889.56
Purchase of Real Estate	H	18.00		18.00
Ball Account		* 1,553.56		* 1,553.56
Total Expenditures		$ 49,886.25		$ 49,886.25
Warrants Drawn		$ 33,895.98	$ 4,981.73	$ 38,877.71
Miscellaneous Debits		21,078.26	887.80	21,966.06
Miscellaneous Credits (Deduct)		5,087.99	5,869.53	10,957.52
Claims Outstanding		30.00		30.00
Total Encumbrance		$ 49,916.25		$ 49,916.25
Total Appropriation		49,916.25	$ 1,966.95	51,883.20
Unexpended Balauce			$ 1,966.95	$ 1,966.95

* Credit.

WEST HILLS GOLF FUND

Balance December 1, 1926		$ 1,604.44
Receipts—		
Green fees	$ 13,058.88	
Interest on daily balances	46.28	13,105.16
Transferred from General Fund		201.86
		$ 14,911.46
Disbursements—		
Warrants paid and returned		10,477.39
Transfers—		
General Fund	1,318.19	
Eastmoreland Golf Fund	1,050.36	
Rose City Golf Fund	5.00	2,373.55
Balance November 30, 1927		2,060.52
		$ 14,911.46

APPROPRIATION EXPENSE WEST HILLS GOLF LINKS

Account Title		
Personal Services	A	
Salaries	1	$ 10,016.74
Supplies	B	
Forage and veterinary	3	334.08
Cleaning and disinfecting	5	8.35
Motor vehicle	6	91.73
Botanical and agriculture	7	165.00
General plant	10	241.94
Material	C	
Sewer	2	10.29
Building	3	13.78
General plant	4	42.69
Equipment	D	
Motor vehicles and equipment	5	24.46
General plant	8	295.22
Repairs	E	
Motor vehicle	3	24.59
Light, Heat and Power	E-4	44.48
Transportation	E-6	
Shoeing and boarding of horses	D	25.39
Communication	E-7	
Telephone	A	120.40
Fixed Charges and Contributions	G	
Insurance	4	82.86
Ball account		*375.09
Total expenditures		$ 11,166.91
Warrants drawn		10,391.62
Miscellaneous debits		2,339.78
Miscellaneous credits (deduct)		1,564.49
Claims outstanding		
Total encumbrance		$ 11,166.91
Total appropriation		11,166.91
Unexpended balance		$

* Credit

ROSE CITY GOLF FUND

Balance December 1, 1926		$ 6,096.43
Receipts—		
Green fees	$ 37,851.73	
Interest on daily balances	181.63	
Utility certificates sold	70,000.00	
Accrued interest on certificates	560.00	
Premium on certificates	2,643.90	
Refund state gas tax	22.28	
Concessions	315.00	111,574.54
Transfers—		
General Fund	30,657.00	
Assessment Collection Fund	407.13	
Eastmoreland Golf Fund	680.00	
West Hills Golf Fund	5.00	31,749.13
		$ 149,420.10
Disbursements—		
Warrants paid and returned		56,068.87
Transfers—		
General Fund	36,832.66	
Playground and Parks Fund	1,215.45	
Assessment and Collection Fund	14.16	
Municipal Paving Rotary Fund	31,295.00	
Eastmoreland Golf Fund	12,589.32	81,946.59
Balance November 30, 1927		11,404.64
		$ 149,420.10

APPROPRIATION EXPENSE ROSE CITY GOLF LINKS

Account Title	Symbol	Operation and Maintenance	Rose City Extension	Totals
Personal Services—	A			
Salaries	1	$ 16,290.19	$ 22,191.17	$ 38,481.36
Special Services	2	265.53	157.76	423.29
Supplies—	B			
Office	1	14.50		14.50
Fuel	2	272.47		272.47
Forage and Veterinary	3	1.15	425.20	426.35
Food	4	33.48	36.50	69.98
Cleaning and Disinfecting	5	141.94		141.94
Motor Vehicle	6	896.08	495.21	1,391.29
Botanical and Agricultural	7		3,862.50	3,862.50
General Plant	10	1,245.48	1,386.19	2,631.67
Material—	C			
Building	3	1.40		1.40
General Plant	4	156.06	2,858.91	3,014.97
Equipment—	D			
Motor Vehicles and Equipment	5	24.47		24.47
Tools	7	31.95	8.10	40.05
General Plant	8	1,564.26	1,780.38	3,344.64
Repairs—	E			
General	2	62.97	1,233.83	1,296.80
Motor Vehicle	3	57.61		57.61
Light, Heat and Power	E4	18.40		18.40
Transportation—	E6			
Shoeing and Boarding of Horses	D	26.48	56.47	82.95
Communication—	E7			
Telephone	A	141.07		141.07
General Plant Service	E8		826.51	826.51
Contingencies	F	33.25	36.70	69.95
Fixed Charges and Contributions—	G			
Interest	1A		1,846.61	1,846.61
Rent	2		30.25	30.25
Insurance	4	208.78		208.78
Advertising	5		84.28	84.28
Other Fixed Charges	6	1,309.90		1,309.90
Purchase of Real Estate	H		5,406.49	5,406.49
Ball Account		* 1,740.99		* 1,740.99
Total Expenditures		$ 21,056.43	$ 42,723.06	$ 63,779.49
Total Warrants Drawn				$ 56,837.13
Miscellaneous Debits				11,479.19
Miscellaneous Credits (Deduct)				4,536.83
Claims Outstanding				
				$ 63,779.49
Total Encumbrance				63,779.49
Total Appropriation				
Unexpended Balance				

* Credit.

AUTO CAMP FUND

Balance December 1, 1926		$ 6.057.70
Receipts—		
Interest on daily balances		108.31
		$ 6,166.01
Disbursements—		
Warrants paid and returned		1,521.41
Transferred to General Fund		393.28
Balance November 30, 1927		4,251.32
		$ 6,166.01

APPROPRIATION EXPENSE AUTO CAMP

Account Title		
Personal Services	A	
Salaries	1	$ 213.69
Supplies	B	
Fuel	2	2.75
Food	4	30.53
Motor vehicle	6	9.70
General plant	10	72.75
Material	C	
General plant	4	69.29
Equipment	D	
General plant	8	850.00
Repairs	E	
General	2	347.20
Light, Heat and Power	E-4	.21
Total expenditures		$ 1,596.12
Total warrants drawn		$ 1,202.84
Miscellaneous debits		393.28
Miscellaneous credits (deduct)		
Claims outstanding		
Total encumbrance		$ 1,596.12
Total appropriation		2,723.60
Unencumbered balance		$ 1,127.48

GARBAGE CREMATORY FUND

Balance December 1, 1926		$ 2,718.77
Receipts—		
Sale of bonds	$ 120,666.00	
Interest on daily balances	455.76	121,121.76
		$ 123,840.53
Disbursements—		
Warrants paid and returned		$ 6,290.41
Transferred to General Fund		1,685.23
Balance November 30, 1927		115,864.89
		$ 123,840.53

APPROPRIATION CONSTRUCTION OF CREMATORY

Account Title		
Personal Services	A	
Special services	2	$ 2,153.95
Supplies	B	
Office	1	272.00
Material	C	
Building	3	94.10
Equipment	D	
General plant	8	1,313.72
Contract and Open Order Service	E	
Construction and extension	1	3,696.50
Repairs	E	
General	2	3,055.09
Transportation	E-6	
Other transportation	F	105.00
Communication	E-7	
Telegraph and messenger	B	5.28
General Plant Service	E-8	10.00
Fixed Charges and Contributions	G	
Advertising	5	92.80
Total expenditures		$ 10,798.44
Total warrants drawn		$ 9,113.21
Miscellaneous debits		1,685.23
Miscellaneous credits (deduct)		
Claims outstanding		102,228.00
Total encumbrance		$ 113,026.44
Total appropriation		123,277.61
Unencumbered balance		$ 10,251.17

U. S. GRANT PROPERTY SALES FUND

Balance December 1, 1926		$ 5,167.39
Receipts—		
Sale of Property	$ 2,107.54	
Interest on daily balances	120.78	2,228.32
		$ 7,395.71
Disbursements—		
Warrants paid and returned		660.46
Balance November 30, 1927		6,735.25
		$ 7,395.71

APPROPRIATION EXPENSE SALE OF PROPERTY

Appropriation 1927	$ 4,000.00
Claims Audited and Warrants Drawn—	
Title insurance and commissions	645.46
Unexpended balance	3,354.54
	$ 4,000.00

WATER CONSTRUCTION FUND

Balance December 1, 1926		$ 197,607.40
Receipts—		
Interest on daily balances	$ 7,540.46	
Sale of bonds	1,975,060.00	
Sale of property	25,500.00	
Interest on sale of property	654.35	
Sale of rock	3.75	
Premium on insurance	121.75	
Sale of plans	25.00	
Refund over-payment of salary	36.00	2,008,941.31
Transfers—		
General Fund	4.30	
Water Fund	201,872.65	201,876.95
		$ 2,408,425.66
Disbursements—		
Warrants paid and returned		$ 815,114.45
Transfers—		
General Fund	3,137.74	
Water Fund	877,323.67	
Municipal Paving Rotary Fund	29,381.07	909,842.48
Balance November 30, 1927		683,468.73
		$ 2,408,425.66

APPROPRIATION CONSTRUCTION AND EXTENSION OF WATER MAINS

Account Title	Symbol	Current Year	Prior Year	Totals
Personal Services—	A			
Salaries	1	$ 305,636.70		$ 305,636.70
Special Services	2	5,665.70		5,665.70
Supplies—	B			
Office	1	1,378.91		1,378.91
Fuel	2	256.84		256.84
Food	4	19,560.51		19,560.51
Cleaning and Disiufecting	5	31.05		31.05
Motor Vehicle	6	1,030.43		1,030.43
Botanical and Agricultural	7	30.00		30.00
Medical and Surgical	9	173.36		173.36
General Plant	10	9,750.09		9,750.09
Material—	C			
Building	3	11,462.19		11,462.19
General Plant	4	448,478.76		448,478.76
Equipment—	D			
Office	1	953.72		953.72
Household	2	1,660.19		1,660.19
Motor Vehicles and Equipment	5	15,085.21	$ 870.00	15,955.21
Tools	7	438.90		438.90
General Plant	8	99,583.34		99,583.34
Contract and Open Order Service—	E			
Construction and Extension	1	412,536.04	121,405.37	533,941.41
Repairs—	E			
General	2	165.78		165.78
Transportation—	E6			
Hire of Horses	A	1,812.00		1,812.00
Hire of Automobiles	B	4,603.57		4,603.57
Other Transportation	F	5.90		5.90
Communication—	E7			
Telephone	A	4.50		4.50
Fixed Charges and Contributions—	G			
Rent	2	43.25		43.25
Advertising	5	30.30		30.30
Other Fixed Charges	6	1,639.05		1,639.05
Other Contributions	7	1,256.00		1,256.00
Refund Water Main Assessments		1,722.97		1,722.97
Total Expenditures		$1,344,995.26	$ 122,275.37	$1,467,270.63
Total Warrants Drawn				$ 827,203.12
Miscellaneous Debits				642,349.28
Miscellaneous Credits (Deduct)				2,281.77
Claims Outstanding				458,305.07
Total Encumbrance				$1,925,575.70
Total Appropriation				1,925,619.12
Unencumbered Balance				$ 43.42

BROADWAY BRIDGE FUND

Balance December 1, 1926		$ 4,864.41
Receipts—		
Interest on daily balances	$ 98.71	
Interest on bonds	170.00	268.71
		$ 5,133.12
Balance November 30, 1927		$ 5,133.12

CIVIC EMERGENCY FUND

Balance December 1, 1926		$ 214.03
Receipts—		
Boxing bouts	$ 9,378.34	
Interest on daily balances	8.82	9,387.16
		$ 9,601.19
Disbursements—		
Warrants paid and returned		9,037.09
Balance November 30, 1927		564.10
		$ 9,601.19

APPROPRIATION DONATIONS

Appropriation 1927		$ 10,537.09
Claims Audited and Warrants Drawn—		
Grandma's Kitchen	$ 750.00	
Elks' Christmas Tree	3,068.00	
Children's Farm Home	100.00	
Veteran's Hospital No. 77	125.00	
Radio—Isolation Hospital	33.75	
Salvation Army	642.50	
Shriners' Hospital	250.00	
Newsboys' Educational Fund	500.00	
Municipal Boxing Commission	2,567.84	
Advertising Club	1,000.00	
Sabre Club Relief Corps	500.00	
American Red Cross	500.00	10,037.09
Less credit account warrant canceled		500.00
		9,537.09
Unexpended balance		1,000.00
		$ 10,537.09

NELLIE ROBINSON FUND

Balance December 1, 1926	$ 558.43
Receipts—	
Interest on daily balances	8.03
	$ 566.46
Disbursements—	
Warrants paid and returned	185.00
Balance November 30, 1927	381.46
	$ 566.46

MT. HOOD RAILWAY & POWER CO. STREET REPAIR FUND

Balance December 1, 1926	$ 1,000.00
Balance November 30, 1927	$ 1,000.00

GANTRY CRANE FUND

Receipts—	
Interest on daily balances	$ 25.46
Transferred from Municipal Paving Rotary Fund	13,250.00
	$ 13,275.46
Disbursements—	
Warrants paid and returned	$ 12,984.75
Balance November 30, 1927	290.71
	$ 13,275.46

APPROPRIATION PURCHASE OF CRANE

Appropriation		$ 13,250.00
Claims Audited and Warrants Drawn—		
Purchase of crane	$ 7,401.40	
Interest on mortgage	2,625.02	
Moving crane	3,250.00	13,276.42
Deficit		$ 26.42

BRIDGE ACCESS FUND

Balance December 1, 1926		$ 38,249.05
Receipts—		
Interest on daily balances		757.93
Transfers—		
General Fund	$ 2,550.00	
Bridge Access Fund No. 2	97.52	2,647.52
		$ 41,654.50
Disbursements—		
Warrants paid and returned		$ 16,825.02
Transfers—		
General Fund	3,678.78	
Bridge Access Fund No. 2	3,918.30	7,597.08
		17,232.40
Balance November 30, 1927		$ 41,654.50

APPROPRIATION ACCESS TO BRIDGES NO. 1

Account Title			
Personal Services	A		
Salaries	1	$	3,590.78
Supplies	B		
Office	1		80.98
Motor vehicle	6		22.31
General plant	10		5.38
Repairs	E		
General	2		8.76
Motor vehicle	3		31.53
Transportation	E-6		
Carfare	E		14.04
Fixed Charges and Contributions	G		
Other fixed charges	6		400.00
Purchase of Real Estate	H		20,245.80
Total expenditures		$	24,399.58
Warrants drawn		$	16,900.02
Miscellaneous debits			7,597.08
Miscellaneous credits (deduct)			97.52
Claims outstanding			4,027.31
Total encumbrance		$	28,426.89
Total appropriation			38,620.88
Unexpended balance		$	10,193.99

BRIDGE ACCESS FUND NO. 2

Balance December 1, 1926		$ 298,539.97
Receipts—		
Interest on daily balances	$ 5,101.31	
Sale of bonds	616,000.00	
Premium on bonds	20,384.05	
Sale of buildings	1,557.50	643,042.86
Transfers—		
Bridge Access Fund	3,918.30	
Street Extension Fund	29,358.82	33,277.12
		$ 974,859.95
Disbursements—		
Warrants paid and returned		$ 405,191.91
Transfers—		
General Fund	15,796.21	
Bridge Access Fund	97.52	
Street Extension Fund	532,461.11	548,354.84
Balance November 30, 1927		21,313.20
		$ 974,859.95

APPROPRIATION ACCESS TO BRIDGES NO. 2

Account Title			
Personal Services	A		
Salaries	1	$	13,336.60
Special services	2		5,543.02
Supplies	B		
Office	1		897.95
Motor vehicle	6		28.58
General plant	10		49.26
Material	C		
General plant	4		25.00
Repairs	E		
General	2		20.78
Motor vehicle	3		40.30
Transportation	E-6		
Carfare	E		218.40
General Plant Service	E-8		546.80
Fixed Charges and Contributions	G		
Rent	2		5.50
Advertising	5		49.00
Other fixed charges	6		178.02
Purchase of Real Estate	H		334,333.12
Total expenditures		$	355,772.33
Total warrants drawn		$	343,796.90
Miscellaneous debits			15,893.73
Miscellaneous credits (deduct)			3,918.30
Claims outstanding			
Total encumbrance		$	355,772.33
Total appropriation			378,171.34
Unexpended balance		$	22,399.01

FIRE BOAT AND FIRE MAINS FUND

Balance December 1, 1926		$ 118.61
Receipts—		
Interest on daily balances		2.11
		$ 120.72
Balance November 30, 1927		$ 120.72

HEALTH TEACHER'S FUND

Balance December 1, 1926		$ 1,376.33
Receipts—		
Payment by School Board	$ 13,646.24	
Interest on daily balances	3.35	13,649.59
		$ 15,025.92
Disbursements—		
Warrants paid and returned		$ 13,646.24
Balance November 30, 1927		1,379.68
		$ 15,025.92

APPROPRIATION PAYMENT OF SALARIES

Appropriation 1927	$ 13,646.24
Claims Audited and Warrants Drawn—	
Health teachers' salaries	$ 13,646.24

FIREMEN'S SALARY INCREASE FUND

Receipts—		
1927 taxes	$ 202,166.28	
1928 taxes	804.57	
Interest on taxes	125.08	
Interest on daily balances	190.21	$ 203,286.14
Transferred from General Fund		164,898.45
		$ 368,184.59
Disbursements—		
Transferred to General Fund		$ 368,184.59

APPROPRIATION PAYMENT OF SALARY INCREASES

Appropriation 1927	$ 210,674.00
Claims Audited and Paid—	
Salary increases	209,379.16
Unexpended balance	1,294.84
	$ 210,674.00

POLICEMEN'S SALARY INCREASE FUND

Receipts—		
1927 taxes	$ 147,940.95	
1928 taxes	588.75	
Interest on taxes	91.54	
Interest on daily balances	125.52	$ 148,746.76
Transferred from General Fund		123,325.27
		$ 272,072.03
Disbursements—		
Transferred to General Fund		$ 272,072.03

APPROPRIATION PAYMENT OF SALARY INCREASES

Appropriation 1927	$ 153,770.00
Claims Audited and Paid—	
Salary increases	$ 153,750.11
Unexpended balance	19.89
	$ 153,770.00

POLICE TRAFFIC SIGNAL FUND

Receipts—		
Sale of bonds	$ 100,000.00	
Premium on bonds	1,059.00	
Interest on daily balances	825.12	$ 101,884.12
Disbursements—		
Warrants paid and returned		$ 93,361.69
Transferred to General Fund		3,920.14
Balance November 30, 1927		4,602.29
		$ 101,884.12

APPROPRIATION INSTALLING TRAFFIC SIGNALS

Appropriation 1927		$ 101,059.00
Claims Audited and Warrants Drawn—		
Installing signals	$ 94,958.63	
Miscellaneous debits	3,920.14	$ 98,878.77
Unexpended balance		2,180.23
		$ 101,059.00

PAVING FUND

Balance December 1, 1926		$ 2,698.85
Receipts—		
Sale of bonds	$ 119,412.85	
Collection of assessments	41,933.51	161,346.36
Transferred from Street Improvement Fund		421.82
		$ 164,467.03
Disbursements—		
Warrants paid and returned		$ 161,853.93
Transferred to Improvement Bond Sinking Fund		121.77
Balance November 30, 1927		2,491.33
		$ 164,467.03

STREET IMPROVEMENT FUND

Balance December 1, 1926		$ 67,632.59
Receipts—		
Sale of bonds	$ 1,203,158.35	
Collection of assessments	985,316.47	2,188,474.82
Transferred from General Fund		425.95
		$ 2,256,533.36
Disbursements—		
Warrants paid and returned		$ 2,075,120.54
Transfers—		
General Fund	45.18	
Redemption Fund	441.00	
Assessment Collection Fund	119.98	
Paving Fund	421.82	
Street and Sewer Interest Fund	5.00	
Improvement Bond Sinking Fund	897.16	1,930.14
Balance November 30, 1927		179,482.68
		$ 2,256,533.36

SEWER FUND

Balance December 1, 1926		$ 12,586.10
Receipts—		
Sale of bonds	$ 618,985.83	
Collection of assessments	311,538.48	930,524.31
Transferred from General Fund		304.30
		$ 943,414.71
Disbursements—		
Warrants paid and returned		$ 875,921.16
Transfers—		
General Fund	100.15	
Assessment Collection Fund	1.50	
Improvement Bond Sinking Fund	24.80	126.45
Balance November 30, 1927		67,367.10
		$ 943,414.71

STREET EXTENSION FUND

Balance December 1, 1926		$ 21,781.89
Receipts—		
Sale of bonds	$ 34,675.35	
Collection of assessments	235,366.80	
Interest on assessments	1,188.85	271,231.00
Transfers—		
General Fund	2,864.65	
Bridge Access Fund No. 2	532,461.11	535,325.76
		$ 828,338.65
Disbursements—		
Warrants paid and returned		695,258.96
Transfers—		
General Fund	3,016.72	
Bridge Access Fund No 2	29,358.82	32,375.54
Balance November 30, 1927		100,704.15
		$ 828,338.65

STREET AND SEWER INTEREST FUND

Balance December 1, 1926		$ 137.67
Receipts—		
Interest on assessments	$ 23,101.03	
Sale of bonds	25,007.01	
Payment by General Fund	24,000.00	72,108.04
Transferred from Street Improvement Fund		5.00
		$ 72,250.71
Disbursements—		
Warrants paid and returned	2,089.59	
Interest paid on warrants	66,162.02	68,251.61
Transfers—		
Redemption Fund	9.61	
Assessment Collection Fund	44.02	
Improvement Bond Interest Fund	16.04	69.67
Balance November 30, 1927		3,929.43
		$ 72,250.71

IMPROVEMENT BOND SINKING FUND

Balance December 1, 1926		$ 230,768.76
Receipts—		
Collection of bonded assessments		1,178,710.94
Transfers—		
Paving Fund	$ 121.77	
Street Improvement Fund	897.16	
Sewer Fund	24.80	
Improvement Bond Interest Fund	.71	
Street Extension Bond Sinking Fund	132.97	1,177.41
		$ 1,410,657.11
Disbursements—		
Warrants paid and returned	1,592.42	
Improvement bonds redeemed	1,281,099.17	
Receipt No. 16412 E cancelled	25.21	1,282,716.80
Transfers—		
Assessment Collection Fund	55.57	
Improvement Bond Interest Fund	.67	
Improvement Bond Sinking Fund, St. Johns	41,186.51	41,242.75
Balance November 30, 1927		86,697.56
		$ 1,410,657.11

IMPROVEMENT BOND INTEREST FUND

Balance December 1, 1926		$ 45,208.01
Receipts—		
Interest on daily balances	$ 3,591.53	
Interest on assessments	347,584.88	
Penalties on assessments	16,415.97	
Refund	.02	367,592.40
Transfers—		
Improvement Bond Sinking Fund	.67	
Street and Sewer Interest Fund	16.04	
Street Extension Bond Interest Fund	790.83	807.54
		$ 413,607.95
Disbursements—		
Warrants paid and returned	760.84	
Interest on improvement bonds	374,100.65	
Receipt No. 16412 E cancelled	5.29	374,866.78
Transfers—		
Sinking Fund	4,951.12	
Assessment Collection Fund	34.82	
Improvement Bond Sinking Fund	.71	
Lighting Bond Interest Fund	13,742.53	18,729.18
Balance November 30, 1927		20,011.99
		$ 413,607.95

LIGHTING BOND SINKING FUND

Balance December 1, 1926		$ 15,325.43
Receipts—		
Collection of assessments		57,061.81
		$ 72,387.24
Disbursements—		
Warrants paid and returned		$ 7,558.04
Balance November 30, 1927		64,829.20
		$ 72,387.24

LIGHTING BOND INTEREST FUND

Receipts—		
Interest on assessments	$ 151.63	
Penalty on assessments	9.14	$ 160.77
Transferred from Improvement Bond Interest Fund		13,742.53
		$ 13,903.30
Disbursements—		
Interest coupons paid		7,340.32
Balance November 30, 1927		6,562.98
		$ 13,903.30

IMPROVEMENT BOND SINKING FUND—ST. JOHNS

Receipts—	
Transferred from Improvement Bond Sinking Fund	$ 41,186.51
Disbursements—	
Transferred to Sinking Fund	$ 41,186.51

IMPROVEMENT BOND SINKING FUND—LINNTON

Balance December 1, 1926	$ 69.27
Receipts—	
Collection of assessments	1,255.49
	$ 1,324.76
Disbursements—	
Transferred to Sinking Fund	1,300.00
Balance November 30, 1927	24.76
	$ 1,324.76

STREET EXTENSION BOND SINKING FUND

Balance December 1, 1926	$ 1,247.61
Receipts—	
Collection of assessments	1,407.41
	$ 2,655.02
Disbursements—	
Bonds redeemed	$ 2,522.05
Transferred to Improvement Bond Sinking Fund	132.97
	$ 2,655.02

STREET EXTENSION BOND INTEREST FUND

Balance December 1, 1926		$ 196.93
Receipts—		
Interest on assessments	$ 696.65	
Interest on daily balances	18.59	715.24
		$ 912.17
Disbursements—		
Interest on street extension bonds		$ 121.34
Transferred to Improvement Bond Interest Fund		790.83
		$ 912.17

IMPROVEMENT BOND SINKING AND INTEREST FUND

Balance December 1, 1926	$ 200.79
Balance November 30, 1927	$ 200.79

RECAPITULATION OF APPROPRIATIONS AND EXPENDITURES BY FUNDS FOR YEAR ENDING NOVEMBER 30, 1927

Account Title	Warrants Drawn	Miscellaneous Debits	Miscellaneous Credits (Deduct)	Interest on Bonds	Bonds Redeemed
General Fund—					
Expenditures	$ 5,162,838.93	$ 485,726.48	$ 892,548.62		
Temporary Loans	4,263,000.00				
Bonded Indebtedness Interest Fund—					
Payment of Interest				$ 445,092.50	
Exchange and Commission, New York	222.73		17.49		
Sinking Fund—					
Purchase of Securities	374,032.33				
Redemption of Bonds					$ 60,000.00
Playgrounds and Parks Fund—					
Purchase of Land, Equipment and Improvement of Playgrounds and Parks	109,706.23	6,255.27	5,038.62		
Special Bridge Fund—					
Cost of Fills and Construction of Bridges	30,935.60	26,120.85	6,855.83		
Public Auditorium Fund—					
Operation and Maintenance	41,513.11	1,890.82	10.22		
Fire Department Construction Fund—					
Construction of Fire Houses	4,500.00		4,500.00		
Fire Department Construction Fund No. 2—					
Construction of Fire Houses and Equipment	215,181.12	23,677.66			
Parks and Boulevard Construction Fund—					
Construction and Improvement of Parks and Boulevards	896.00	1,643.90	243.90		
Water Fund—					
Operation and Maintenance	1,297,864.54	48,404.40	611,996.27		
Payment of Interest				649,347.50	
Sinking Fund for Water Bonds	260,838.13				
Water Bond Sinking Fund—					
Purchase of Securities	505,896.78				
Redemption of Water Bonds					3,000.00
Redemption Fund—					
Redemption of Certificates	101,568.87				
Assessment Collection Fund—					
Purchase of Property for Delinquent Assessments	371,992.07		2,608.27		
Municipal Paving Improvement Fund—					
Improvement of Streets		40,000.00			
Municipal Paving Rotary Fund—					
Paving Rotary Account	275,639.75	104,828.27	380,468.02		

RECAPITULATION OF APPROPRIATIONS AND EXPENDITURES BY FUNDS FOR YEAR ENDING NOVEMBER 30, 1927—Continued

Account Title	Warrants Drawn	Miscellaneous Debits	Miscellaneous Credits (Deduct)	Interest on Bonds	Bonds Redeemed
Eastmoreland Golf Fund—					
Operation and Maintenance	$ 33,895.98	$ 5,558.26	$ 5,087.99	$ 5,520.00	$ 10,000.00
Rotary Account	4,981.73	887.80	5,869.53		
West Hills Golf Fund—					
Operation and Maintenance	10,391.62	2,339.78	1,564.49		
Rose City Golf Fund—					
Operation and Maintenance	51,430.64	11,479.19	4,536.83		
Purchase of Property	5,406.49				
Auto Camp Fund—					
Improvement of Auto Camps	1,202.84	393.28			
Garbage Crematory Fund—					
Construction of Crematory	9,113.21	1,685.23			
U. S. Grant Property Sales Fund—					
Sale of Property	645.46				
Water Construction Fund—					
Construction and Extension of Water Mains	827,203.12	642,349.28	2,281.77		
Civic Emergency Fund—					
Donations	10,037.09		500.00		
Gantry Crane Fund—					
Purchase of Crane	13,276.42				
Bridge Access Fund—					
Access to Bridges	16,900.02	7,597.08	97.52		
Bridge Access Fund No. 2—					
Access to Bridges No. 2	343,796.90	15,893.73	3,918.30		
Health Teacher's Fund—					
Payment of Salaries	13,646.24				
Firemen's Salary Increase Fund—					
Payment of Salary Increases		209,379.16			
Policemen's Salary Increase Fund—					
Payment of Salary Increases		153,750.11			
Police Traffic Signal Fund—					
Installing Traffic Signals	94,958.63	3,920.14			
Grand Total	$14,453,512.58	$ 1,793,780.69	$ 1,928,143.67	$ 1,099,960.00	$ 73,000.00

*Deficit.

RECAPITULATION OF APPROPRIATIONS AND EXPENDITURES BY FUNDS FOR YEAR ENDING NOVEMBER 30, 1927—Continued

Account Title	Total Expenditures	Claims Outstanding	Total Encumbrance	Total Appropriations	Unencumbered Balance
General Fund—					
Expenditures	$ 4,756,016.79	$ 15,100.70	$ 4,771,117.49	$ 4,882,405.99	$ 111,288.50
Temporary Loans	4,263,000.00	262,000.00	4,525,000.00	6,810,000.00	2,285,000.00
Bonded Indebtedness Interest Fund—					
Payment of Interest	445,092.50		445,092.50	453,380.00	8,287.50
Exchange and Commission, New York	205.24		205.24	350.00	144.76
Sinking Fund—					
Purchase of Securities	374,032.33		374,032.33	475,000.00	100,967.67
Redemption of Bonds	60,000.00		60,000.00	60,000.00	
Playgrounds and Parks Fund—					
Purchase of Land, Equipment and Improvement of Playgrounds and Parks	110,922.88	541.60	111,464.48	111,285.15	* 179.33
Special Bridge Fund—					
Cost of Fills and Construction of Bridges	50,200.62	17,591.75	67,792.37	205,764.31	137,971.94
Public Auditorium Fund—					
Operation and Maintenance	43,393.71		43,393.71	44,876.62	1,482.91
Fire Department Construction Fund—					
Construction of Fire Houses				6,620.85	6,620.85
Fire Department Construction Fund No. 2—					
Construction of Fire Houses and Equipment	238,858.78	144,548.62	383,407.40	310,000.00	* 73,407.40
Parks and Boulevard Construction Fund—					
Construction and Improvement of Parks and Boulevards	2,296.00		2,296.00	3,924.24	1,628.24
Water Fund—					
Operation and Maintenance	734,272.67	4,709.20	738,981.87	743,652.41	4,670.54
Payment of Interest	649,347.50		649,347.50	654,678.50	5,331.00
Sinking Fund for Water Bonds	260,838.13		260,838.13	260,838.13	
Water Bond Sinking Fund—					
Purchase of Securities	505,896.78		505,896.78	600,000.00	94,103.22
Redemption of Water Bonds	3,000.00		3,000.00	6,500.00	3,500.00
Redemption Fund—					
Redemption of Certificates	101,568.87		101,568.87	200,000.00	98,431.13
Assessment Collection Fund—					
Purchase of Property for Delinquent Assessments	369,383.80		369,383.80	509,580.00	140,196.20
Municipal Paving Improvement Fund—					
Improvement of Streets	40,000.00		40,000.00	200,000.00	160,000.00
Municipal Paving Rotary Fund—					
Paving Rotary Account		2,158.80	2,158.80	25,590.00	23,431.20

RECAPITULATION OF APPROPRIATIONS AND EXPENDITURES BY FUNDS FOR YEAR ENDING NOVEMBER 30, 1927—Continued

Account Title	Total Expenditures	Claims Outstanding	Total Encumbrance	Total Appropriations	Unencumbered Balance
Eastmoreland Golf Fund—					
Operation and Maintenance	$ 49,886.25	$ 30.00	$ 49,916.25	$ 49,916.25	
Rotary Account				1,966.95	$ 1,966.95
West Hills Golf Fund—					
Operation and Maintenance	11,166.91		11,166.91	11,166.91	
Rose City Golf Fund—					
Operation and Maintenance	58,373.00		58,373.00	58,373.00	
Purchase of Property	5,406.49		5,406.49	5,406.49	
Auto Camp Fund—					
Improvement of Auto Camps	1,596.12		1,596.12	2,723.60	1,127.48
Garbage Crematory Fund—					
Construction of Crematory	10,798.44	102,228.00	113,026.44	123,277.61	10,251.17
U. S. Grant Property Sales Fund—					
Sale of Property	645.46		645.46	4,000.00	3,354.54
Water Construction Fund—					
Construction and Extension of Water Mains	1,467,270.63	458,305.07	1,925,575.70	1,925,619.12	43.42
Civic Emergency Fund—					
Donations	9,537.09		9,537.09	10,537.09	1,000.00
Gantry Crane Fund—					
Purchase of Crane	13,276.42		13,276.42	13,250.00	* 26.42
Bridge Access Fund—					
Access to Bridges	24,399.58	4,027.31	28,426.89	38,620.88	10,193.99
Bridge Access Fund No. 2—					
Access to Bridges No. 2	355,772.33		355,772.33	378,171.34	22,399.01
Health Teacher's Fund—					
Payment of Salaries	13,646.24		13,646.24	13,646.24	
Firemen's Salary Increase Fund—					
Payment of Salary Increases	209,379.16		209,379.16	210,674.00	1,294.84
Policemen's Salary Increase Fund—					
Payment of Salary Increases	153,750.11		153,750.11	153,770.00	19.89
Police Traffic Signal Fund—					
Installing Traffic Signals	98,878.77		98,878.77	101,059.00	2,180.23
Grand Total	$15,492,109.60	$ 1,011,241.05	$16,503,350.65	$19,666,624.68	$ 3,163,274.03

* Deficit.

WARRANTS OUTSTANDING AND BALANCES IN THE PAVING FUND NOVEMBER 30, 1927

Ledger No. 4 Page		Warrants Outstanding	Balances
23.	E. 26th St., Prescott to Alberta Sts.....	$ 421.80	
43.	E. 55th St, et al, Dist. 480.....	.....	$ .10
63.	Elliott Ave., Division to Hawthorne....	.....	.01
65.	E. 75th St., E. Everett to Glisan Sts.....	161.13	87.85
77.	Bryant and Missouri Ave.....	2.87	
78.	E. 53rd St., Hassalo to Halsey Sts.....	22.45	
82.	Halsey St., E. 24th to E. 28th Sts.....	1,781.28	1,781.28
84.	E. 14th St., Belmont to Stark Sts.....	1,931.13	459.45
85.	E. 21st St., Yukon to Reedway.....	2,756.94	152.93
147.	Fremont St., Williams Ave to E. 8th St..	119.86	9.71
148.	Overlook Blvd., et al.....	80.20	
		$ 7,277.66	$ 2,491.33

WARRANTS OUTSTANDING AND BALANCES IN THE STREET IMPROVEMENT FUND NOVEMBER 30, 1927

Ledger No. 5 Page		Warrants Outstanding	Balances
1.	Waverleigh Blvd., E 28th to E. 37th Sts.	$ 2,779.37	
	First St., et al.....	.41	$ .32
	Killingsworth Ave., Patton Ave. to Willamette Blvd.	467.85	
	21st St., Northrup to Sherlock.....	13.71	
2.	19th St., Overton to Wilson Sts.....	802.18	.77
	E. 12th St., Failing to Fremont.....	24.00	
	Tillamook St., E. 14th to E. 24th.....	1,151.75	.07
	E. 35th St., Hawthorne Ave to Harrison St.	2.89	
	Hall St., et al.....	11,665.92	
3.	E. 28th St., Wasco to Halsey.....	331.67	
	Halsey St., Holladay's Add. to E. 22nd St.	2,388.81	
	Corbett St. in Terwilliger Homestead..	.....	3,310.18
4.	Knott St., E. 24th St. to E. 33rd.....	9.29	
	Concord St., Jarrett St. to Ainsworth Ave.	4.51	
	Portions of Mason St., et al.....	27.00	.02
	E. 26th St., Stark to Burnside.....	211.79	
	Lombard St., Westana to Wabash.....	301.55	.25
5.	Corbett St., et al.....	68.35	
	Kingston Ave., et al.....	197.73	
	Marguerite Ave., Division to Hawthorne Ave.	.81	
	Brandon St., Lombard to Argyle.....	.....	1,000.00
15.	Willamette St., E. 12th to Sandy.....	.....	1.00
24.	Michigan Ave., Prescott to Alberta.....	293.90	
34.	Tenino Ave., et al.....	15.65	
60.	E. 78th St. North, Villa to Oregon.....	517.10	517.10
71.	Cora Ave., E. 37th to E. 42nd.....	13.00	2.15
75.	Killingsworth Ave, Willamette Blvd. to Interstate Ave.	58.70	
82.	Gay St., et al.....	699.57	
91.	E. 28th St., et al.....	498.36	
96.	St. Helens Road, Ferry St. to C St.....	337.12	13.56
100.	Fessenden St., Edison to Jersey.....	414.25	
8.	"B" Street	.....	.05
101.	43rd St. S. E., 47th to 45th Aves.....	30.48	30.48
102.	42nd Ave. S. E., 42nd to 48th Sts.....	376.66	
122.	E. Irving St., et al.....	38.53	38.53
124.	Holman St., E. 8th to E. 13th Sts.....	13.78	
153.	E. Davis St., E. 60th St. to 65th St.....	111.25	
156.	Sumner St., Delaware Ave. to Greeley..	174.76	
174.	E. Pine St., E. 55th to E. 57th Sts.....	210.46	
187.	96th St. S. E., Woodstock to 65th Ave...	.....	.01
195.	E. 45th St., Halsey St. to Broadway....	39.36	
197.	E. 64th St., Klickitat to Beech Sts.....	61.48	
198.	E. 64th St., Beech to Mason Sts.....	17.96	
200.	Foster and Powell Valley Rds.....	6.67	*.72
209.	Watts St., Interstate to Minnesota Ave.	548.61	
210.	42nd St. S. E., Woodstock to 62nd Ave..	197.36	
213.	44th St. S. E., 43rd Ave. to 45th Ave.....	110.76	
219.	Willow St., E. 63rd to E. 60th Sts.....	106.84	
224.	E. 73rd and Siskiyou Sts.....	222.17	
225.	Dwight St., Lombard to Willis Blvd.....	178.75	

WARRANTS OUTSTANDING AND BALANCES IN THE STREET IMPROVEMENT FUND NOVEMBER 30, 1927—Continued

Ledger No. 5 Page		Warrants Outstanding	Balances
229.	Emerson and E. 13th Sts	$ 29.15	
233.	E. 72nd St., Taylor St. to Taborside	338.17	
236.	Halleck St., Washburn to Peninsula	64.98	$ 35.80
239.	E. 53rd St., Multnomah to E. Irving	3.10	
242.	E. 74th St., E. Everett St. to Thorburn Ave.	236.08	
244.	Montana Ave., Killingsworth to Ainsworth	275.34	
245.	W. ½ E. 86th St., Billinger to Beryl Ter.	6.00	
245.	14th St., Jefferson to Market	.....	6.80
248.	Gladstone Ave., E. 26th to E. 42nd	.....	.02
250.	E. 29th St., et al	147.87	
	Dwight St., Houghton to Willis Blvd.	15.06	
251.	E. Burnside St., et al	713.31	10.53
254.	Baldwin St., Peninsula to Burrage St.	3.30	3.30
256.	Corbett St., Texas to Nebraska Sts.	3,420.75	126.82
263.	E. 31st St., Alberta to Holman Sts.	411.96	
264.	Gantenbein Ave., Ivy to Fremont Sts.	26.58	
265.	E. 72nd St., Siskiyou to Sandy Blvd.	65.36	
267.	E. 33rd St., Prescott to Webster Sts.	481.76	
268.	Portland Blvd., Union to E 6th St.	113.43	
271.	Bayard St., Willis to Col. Slough Rd.	615.00	.13
273.	Lambert St., Eastmoreland to Berkeley.	379.80	
274.	Montana Ave., et al, Dist. 580	101.57	.95
275.	Holgate St. and 45th Ave	1.05	
278.	E. Davis and E. 70th Sts	45.92	
279.	Highland St., Commercial to Williams Ave.	528.19	
280.	Hood St., Pendleton to Carolina St.	80.93	
282.	Swanson and Long Ave	21.40	
284.	Oregon St., E. 63rd to 64th Sts	17.15	6.70
	E. 81st St., Beech to Sandy Blvd	81.44	
285.	Van Houten St., Willamette to Portsmouth Ave.	124.38	
289.	E. 71st and Klickitat Sts	24.32	
290.	E. 75th St., Siskiyou to Sandy Blvd	138.99	.10
293.	Bybee Ave., Eastmoreland to E. 41st St.	473.27	
294.	Virginia St., Nebraska to Dakota Sts.	22.04	
295.	Campbell St., Killingsworth to Ainsworth	60.16	
298.	Montana Ave., Liberty to Buffalo Sts.	58.62	
299.	E. Franklin St., E. 36th to Springer Pk.	117.90	
303.	Cruikshank, Fessenden to Olympia	9.39	
306.	Wabash Ave., Baldwin to Willis Blvd.	455.57	
308.	E. 38th St., Long Ave. to Holgate St.	82.43	
	Dekum Ave., Durham to E. 18th St.	221.26	
311.	E. 88th St., Hawthorne to E. Taylor St.	365.31	
312.	38th Ave., 56th to 58th Sts. S. E.	9.03	4.83
316.	Yale St., Westana to Wall Sts	5.03	
317.	Bowdoin St., McKenna to Portsmouth.	500.00	11.23
319.	Macleay Blvd., Sananita Ter. to Towey's Add.	795.00	
309.	Blandena St., Gantenbein to Borthwick.	375.33	15.53
317.	26th Ave., E. 43rd St. to 45th St.	160.78	76.40
321.	25th Ave., E. 62nd to 64th Sts.	79.97	
320.	67th St., Woodstock to 55th Ave. S. E.	219.48	2.89

WARRANTS OUTSTANDING AND BALANCES IN THE STREET IMPROVEMENT FUND NOVEMBER 30, 1927—Continued

Ledger No. 5 Page		Warrants Outstanding	Balances
322.	Terry St., Peninsula to Burrage	$ 266.95	
328.	54th St. S. E., 33rd Ave. to 29th Ave.	383.49	
323.	E. 76th and E. Clay Sts	194.47	
325.	E. Irving and E. Hoyt Sts	188.26	
	E. 27th St., Dekum to Morgan Sts.	8.35	
326.	Willis Blvd., Peninsula to Emerald Sts.	252.72	
327.	California St., Virginia to Macadam	343.94	
	E. 85th St., Beryl Ter. to E. Glisan St.	378.60	
328.	Maryland Ave., Dekum to Stafford Sts.	594.38	
329.	Winchell St., Chautauqua to Woolsey St.	237.43	
331.	E. Ash St., E. 79th to E. 82nd Sts.	374.43	
332.	Dekum Ave., et al	8.46	
333.	Harvard St., Fiske to Haven Sts.	67.87	
	Harvard St., Fiske to Haven Sts.	10.51	
336.	E. 83rd St., Base Line to E. Ash	173.19	
337.	41st Ave., 42nd to 46th Sts. S. E.	221.82	
338.	Hodge St., Lombard to Willis Blvd.	265.29	
340.	Alley bet. Albina and Borthwick Sts.	30.80	
340.	E. 28th and Halsey Sts	27.15	
341.	Lancaster St., Bryant to Lombard Sts.	432.83	
	40th Ave., E. 52nd to Foster Rd.	33.02	
342.	Buffalo St., E. 17th to 18th Sts.	101.22	
346.	Concord St., Simpson to Ainsworth	316.49	$ 101.22
349.	E. 42nd St., 64th to 62nd Ave	202.17	
349.	Mears St., Midway to Macrum Aves.	500.00	56.17
350.	E. 76th St., E. Yamhill to E. Stark Sts.	125.54	
351.	Courtney St., Hunt to Hudson Sts.	58.93	
353.	Jarrett and E. 32nd Sts	614.14	
354.	Mississippi Ave., Lombard to Winchell Sts.	48.66	
355.	E. 84th St., E. Burnside to E. Glisan Sts.	131.16	5.79
356.	Cardinal Drive, et al	862.48	59.29
357.	Moore St., Ainsworth to Highland Sts.	28.49	
358.	Albina Ave., Lombard to Watts Sts.	268.00	
359.	Holland St., E. 8th to E. 9th Sts.	14.92	
	54th Ave. S. E., E. 82nd St. to Gardena.	11.21	
359.	Going St., E. 30th to E. 31st Sts.	48.72	
360.	Farragut St., Vancouver to Rodney Ave.	370.73	
362.	Winchell St., Interstate to Montana Aves	108.06	
	Lombard St., Mississippi to Albina Aves.	.....	1.60
363.	High St., Terrace Dr. to Grover's Add.	.....	1.20
	38th Ave., Foster Rd. to E. 56th St.	.....	.02
364.	Farragut St., Pennsylvania Ave. to Burrage St.	173.19	
367.	E. 28th St., Sumner to Killingsworth Ave	120.85	
369.	Hartman St., et al	276.86	49.15
369.	Portland Blvd., Interstate to Union Aves	600.00	
371.	E. 16th St., Nehalem to Malden Sts.	131.18	12.50
373.	Mill and 19th Sts	100.00	
374.	Woolsey St., Lombard to Willis Blvd.	176.72	
376.	Edgewood Road, et al	124.88	
378.	Depauw St., Montieth to Portsmouth	72.07	
379.	Tyler St., Lombard to Fessenden Sts.	35.59	16.18
380.	Denver Ave., Killingsworth to Lumbard	1,194.55	.80
381.	Curry St., et al	69.08	
382.	Baldwin St., Wabash to Emerald	338.68	3.16

WARRANTS OUTSTANDING AND BALANCES IN THE STREET IMPROVEMENT FUND NOVEMBER 30, 1927—Continued

Ledger No. 5 Page		Warrants Outstanding	Balances
383.	Detroit Ave., Killingsworth to Ainsworth	$ 155.76	
385.	Sumner St., E. 37th to 42nd Sts	223.36	$ 2.00
387.	Terwilliger Ave and First St	246.88	4.70
389.	St. Johns Ave., Kellogg to Seneca Sts	29.97	
390.	Sacramento St., et al	843.99	
391.	Saratoga St., Interstate to Minnesota Sts.	253.91	
394.	Hancock St., et al	1.25	
395.	E. 76th and Stanton Sts	21.75	
396.	E. 33rd St., Tillamook to Fremont Sts	63.78	
398.	Hodge St., Willamette Blvd to Lombard St.	268.65	
399.	Ainsworth Ave., Willamette Blvd to Denver St.	274.03	
400.	Bronson Ave., Bryant to Morgan Sts	593.92	
401.	Amherst and Carey Blvd	64.36	
402.	Houghton St., Wall to Portsmouth Ave.	1,007.68	
403.	E. 45th St. et al, Dist. 54	7.71	
406.	Miller Ave., E 16th to 21st Sts	531.73	34.06
408.	Watts and Delaware Ave	93.43	
409.	E. 80th St., E. Stark to Glisan Sts	226.96	
410.	Powell Valley Road et al, Dist. 51	1,100.00	54.09
415.	Syracuse St., Portsmouth to McKenna	512.66	
416.	E. 29th St. et al, Dist. 55	209.88	
417.	Cora Ave., Milwaukie to E. 15th St	180.26	
418.	Hawthorne Ave., E. 77th to 82nd Sts	6.10	
419.	Arlington Pl., Emerald to Pen. Ave	200.00	3.60
421.	Flavel Ave., Eastmoreland to Berkeley. Borthwick St., Portland Blvd to Dekum	1,067.30	
425.	E. Clay St., E. 30th to 29th Sts	144.49	
	Oregon St. et al, Dist. 12	227.11	
428.	E. 52nd St., E. Burnside to Glisan Sts	98.64	
429.	E 6th St., Holman to Portland Blvd	347.58	.05
430.	Polk St. and Central Ave	122.93	
431.	Upper Drive, Smith Add. to Montgomery Drive	411.54	
433.	E. 57th St., E. Burnside to Everett Sts	234.20	234.20
434.	Moore St., Highland to Portland Blvd	696.97	338.26
435.	47th Ave., E. 52nd to 58th Sts	7.94	
436.	E. 14th St., Going to Humbolt Sts	101.94	8.18
	Alley Block 4 and 3, Midway Annex	938.52	
438.	E. Burnside and 71st Sts	70.72	
439.	E. 33rd St., Shaver to Prescott Sts	295.12	
	E. 18th and Junior Sts	578.48	
441.	E. 74th St., Sandy to Siskiyou St	9.20	1.55
442.	Vanderbilt St., Hodge to Haven Sts	.....	.03
443.	First and "C" Sts	17.90	
449.	E. 72nd St., Beech to Failing Sts	285.60	71.68
	Alma St., Syracuse to Lombard Sts	145.49	
450.	E. 77th St., 50th to 52nd Aves	8.56	
	E. 57th St., Thompson to Broadway	75.84	
451.	Haven St., Willamette to Lombard St	14.82	
452.	62nd Ave., E. 62nd to 72nd Sts	.....	362.82
454.	E. 69th St., Fremont to Failing Sts	329.86	
456.	Sumner St., Gay to Delaware Ave	81.00	
		229.82	

WARRANTS OUTSTANDING AND BALANCES IN THE STREET IMPROVEMENT FUND NOVEMBER 30, 1927—Continued

Ledger No. 5 Page		Warrants Outstanding	Balances
457.	Insley Ave., Milwaukie to E. 21st St	$ 1.00	
459.	50th Ave., 60th St. to Arleta Pk. No. 3	43.60	$ .05
461.	Atlantic St. et al, Dist. 16	132.48	32.86
462.	Kerby St., Bryant to Lombard Sts	190.96	10.29
463.	E. 74th St., Sandy to Mason Sts	170.44	
464.	E. 59th St., Halsey to Thompson Sts	750.87	94.82
	Sumner St., Interstate to Michigan	65.61	
465.	E. 67th St., Fremont to Failing Sts	.....	.02
466.	Powell Valley Road and 52nd St	159.79	3.00
467.	Springville Road and Shephard St	290.00	
470.	Buffalo St., Albina Ave. to Kerby St	9.80	
471.	Mohawk St., Smith to Fessenden St	132.68	.68
471.	Jersey St. et al, Dist. 77	500.00	500.00
472.	E. 77th St., Siskiyou to Sandy Blvd	500.00	247.85
473.	Concord St., Prescott to Willamette Blvd.	456.38	
480.	Killingsworth Ave., E. 16th to E. 30th Sts.	140.02	
Ledger No. 6 Page			
1.	N. 18th St., N St. to Sherlock Add	86.44	
	Chapman St., Jefferson to Taylor Sts	240.95	54.42
	Second St., Sheridan to Gibbs	251.52	
	Williams Ave., Grant to Going	2,500.00	
	Water St. Planking	86.32	
	Multnomah St., Grover to Curry	952.34	
	First St., Madison to Stark Sts	.28	
	Macadam St., Grover to Block 188	406.95	
2.	Union Ave., Alberta to Love's D. L. C	6,986.56	
	Shaver St., Union Ave. to E. 12th	227.64	
	Oak St., 4th to 6th Sts	42.00	
	Goldsmith St., Irving's D. L. C. to Albina	101.43	
	S. W. ½ of Front St., Watson's Add. to Sherlock Add.	34.99	
	E. Burnside St., E. 82nd St. to E. 90th	112.30	5.68
	Kingston Ave. et al, Dist. No. 231	11,777.86	
3.	E. Stark St. et al, Dist. No. 253	107.12	
	E. Glisan St., E. 82nd to E. 92nd	189.18	
	Burlington St., Bradford St. to James John Add.	451.73	49.60
	Fessenden St., Oswego to Smith Ave	577.21	58.50
	E. 70th St. S. E., 63rd to 65th Aves. S. E.	.80	.80
	Whitman Ave., 68th to 72nd	.20	.20
	Upper Drive in Smith's Add	1,137.84	-
	Macadam St., Lowell Ave. to N. L. Sec. 15	21.00	
	Jessup St., Willamette Blvd. to Delaware Ave.	.21	.08
	E. Glisan St., E. 75th to E. 87th Sts	160.06	249.19
	First extention Hillside Blvd	4.80	
4.	77th St. S. E., 65th Ave to 55th Ave	92.88	2.20
	E. Lincoln St., Dist. No. 458	2.20	
	Hoffman St. and Sheffield Ave	35.00	
	Ellis Ave., Milwaukie Ave. to E. 22nd St.	225.39	

WARRANTS OUTSTANDING AND BALANCES IN THE STREET IMPROVEMENT FUND NOVEMBER 30, 1927—Continued

Ledger No. 6 Page		Warrants Outstanding	Balances
5.	Umatilla Ave., E. 19th to 23rd Sts	.....	$ 37.04
	E. 57th St., Sacramento to Sandy Blvd.	$ 191.96	
	Concord St., Prescott to Humboldt	48.47	48.57
	Hood St. fill, at Sheridan	.....	1.20
	Front St. fill, at Lane	366.67	5.20
6.	Corbett St. fill, at Pennoyer	.....	19.00
	First St. fill, at Grover	.....	8.30
	Front St. fill, at Woods	.....	6.50
7.	Hillside Blvd., P. B. Co. to Germantown	70,171.66	96.97
8.	Elimination O.-W. R. & N. grade crossing	.10	20,103.48
15.	E. Lincoln St	1,000.00	1,000.00
	Shaver St., E. 15th to E. 16th Sts	1,306.37	848.74
	Washington St., Front to 2nd Sts	6,700.00	6,700.00
16.	E. 32nd St., Knott to Siskiyou Sts	542.33	
	E. Broadway, E. 40th to 41st Sts	634.14	634.14
17.	E. 63rd St., Davis to Glisan Sts	3,556.96	3,556.96
18.	Montana Ave., Lombard to Farragut Sts.	546.95	546.95
	Garfield Ave., Dekum to Bryant Sts	2,500.00	2,233.78
19.	Montana Ave., Ainsworth to Holman Sts	2,395.60	2,395.60
20.	E. Burnside and Gilham Ave	767.63	
22.	E. 78th St, Glisan to Oregon Sts	2,357.97	2,272.77
	E. 67th St., 50th Ave. to Foster Rd	3,094.27	2,056.33
23.	Stanton St., E. 57th to E. 60th Sts	2,245.78	2,067.81
	Lombard St., Greeley to Omaha Ave	2,469.34	2,051.97
26.	E. 30th St., Taggart to Clinton Sts	1,160.62	
27.	E. 45th St., Woodstock to 54th Aves	6,400.00	313.12
28.	Farragut St., Interstate to Minnesota Ave.	3,395.75	3,355.65
	E. 10th St., Cora to Boise Sts	1,556.31	1,556.31
29.	E. 31st St., Francis to 150 feet N	1,402.05	1,402.05
	E. 7th St., Woodlawn Hts. to Magnolia	5,587.45	3,389.35
	E. 53rd St., Fremont to Klickitat Sts	2,357.33	23.24
31.	Wilbur St., Hunt to Columbia Sl. Rd	3,904.28	
32.	Fremont St., E. 72nd to 82nd Sts	11,280.77	9,620.53
35.	Emerson St., E. 29th to 30th Sts	771.14	755.70
	E. 31st St., Stanton to Siskiyou Sts	1,506.23	1,284.71
	34th Ave., E. 50th to 51st Sts	1,357.84	56.00
36.	E. Taylor St., E. 76th to 80th Sts	2,000.00	1,901.93
	E. 49th St., Klickitat to Fremont Sts	2,359.87	2,048.44
	E. 58th St., Klickitat to Fremont Sts	1,972.68	1,952.19
37.	E. 32nd Court, Brazee to Knott Sts	4,200.00	3,954.92
	E. 7th St., Killingsworth to Church Sts.	1,194.99	187.60
	E. 32nd St., Emerson to Killingsworth	2,200.00	55.50
38.	E. 36th St. et al, Dist. 91	4,700.00	158.91
	E. 58th St., 44th to 42nd Aves	1,431.40	5.21
39.	E. 63rd St., Fremont to Failing Sts	5,422.76	109.12
	E. 32nd St., Sumner to Emerson Sts	2,090.56	19.86
42.	Delaware Ave., Portland to Dekum Ave.	4,072.38	373.28
42.	Thompson St., E. 82nd to E. 90th Sts	5,316.37	239.18
43.	E. 63rd St., Foster Rd. to Powell St	9,100.00	154.44
44.	Grand Ave., Going to Wygant Sts	1,500.00	186.06
	Webster St., Michigan to Minnesota Aves.	2,757.62	654.53

WARRANTS OUTSTANDING AND BALANCES IN THE STREET IMPROVEMENT FUND NOVEMBER 30, 1927—Continued

Ledger No. 6 Page		Warrants Outstanding	Balances
45.	Boston Ave., Bryant to Lombard Sts	$ 6,242.67	$ 5.95
	Alley Block 8, Laurelwood	1,395.70	202.47
	Holman St., Haight St. and Williams Av	7,566.24	328.69
	E. 32nd St., Irvington Pk. to Holman St.	3,700.00	176.11
47.	Jessup St., Albina to Commercial Sts	4,216.00	14.36
	E. 32nd Court, Thompson to Brazee Sts.	2,441.27	*4.24
48.	Mobile St., Lombard to Bryant Sts	4,633.82	46.65
	E. 49th St., 34th to 32nd Aves	1,036.96	733.37
49.	Jarrett St., E. 27th to E. 30th Sts	4,103.74	97.93
50.	Vista Ave. Viaduct	4,600.00	437.44
57.	E. 32nd St., Killingsworth to Jarrett	3,211.48	917.92
	E. 13th St., Center to Bush Sts	2,400.00	10.56
	50th Ave., E. 41st St. to Beauvoir	2,997.39	21.72
58.	E. 16th St., Killingsworth to Ainsworth	7,506.25	110.41
	E. 18th St., Emerson to Killingsworth	2,247.95	54.44
	E. Sherman St., E. 72nd St. to Terrace Gardens	2,015.97	121.15
59.	Morgan St., Rodney to Union Aves	5,298.12	233.26
	Russett St., Mississippi to Albina	1,989.42	33.49
	E. 10th St., Claremont to Holland Sts	4,325.93	29.32
60.	E. Everett St., E. 78th to E. 79th Sts	600.00	32.05
	Long Ave., E. 28th to Kenilworth Ave.	1,200.00	67.76
	Russett St., Delaware to Omaha Aves	2,723.68	73.66
61.	Brooklyn St., E. 36th to E. 38th Sts	1,526.73	91.01
	33rd Ave., E. 45th St. to Bodley Place	1,888.02	66.41
	E. 34th and Jessup Sts	1,800.00	16.10
62.	Oneonta St., Dekum Ave. to 11th St	6,866.60	402.18
	Willis Blvd., Burrage to Peninsula	1,974.74	171.59
63.	Brazee St., E. 28th to E. 33rd Sts	8,371.01	128.50
64.	E. 30th St., Holman to North Sts	3,500.00	62.53
	Alberta St., Union to Garfield Aves	700.00	78.12
65.	Fremont St., E. 42nd St. to Sandy Blvd.	26,836.40	3,109.05
66.	E. 52nd St., Foster Rd. to 65th Ave	47,669.51	15.86
67.	Dekum Ave., Montana to Mississippi Aves.	3,586.98	442.32
	E. 54th St., 42nd Ave. to Foster Rd	2,329.21	37.87
68.	Stanton St., E. 66th to E. 68th Sts	1,678.17	66.34
	Ankeny St., E. 81st to E. 82nd Sts	1,103.88	
	Klickitat St., E. 62nd to E. 63rd Sts	900.00	44.94
69.	39th Ave., E. 42nd to E. 45th Sts	2,264.28	*16.80
	E. Washington St., E. 76th to E. 80th Sts.	3,143.23	.10
	Missouri Ave., Portland Blvd. to Dekum	2,300.00	84.89
70.	E. 42nd St., Fremont to Killingsworth	.....	26,415.09
72.	Klickitat St., E. 64th to E. 65th Sts	516.80	100.15
	36th Ave., Mistletoe to 60th Sts	1,239.32	289.68
	E. 67th St., E. Stark St. to Royal Ave.	1,480.22	21.14
73.	E. 67th St., Failing to Mason Sts	2,575.33	3.50
	Brazee St., E. 62nd to E. 64th Sts	1,588.32	
74.	E. 39th St., Fremont to Failing Sts	5,569.45	184.23
74.	40th Ave., E. 42nd to E. 45th Sts	3,754.69	
75.	25th Ave., E. 43rd to E. 45th Sts	1,732.39	72.88
	Stafford St., Albina to Montana Aves	5,402.88	.99
76.	E. 68th St., Beach to Prescott Sts	11,633.22	335.62
77.	E. 72nd St., E. Glisan St. to Multnomah	7,348.02	56.25
78.	E. Burnside St., E. 78th to E. 79th Sts.	1,000.00	424.48
	Dana St., Kilpatrick to Winchell	1,940.33	18.67
	Wygant St., Delaware to Gay St	1,648.31	

WARRANTS OUTSTANDING AND BALANCES IN THE STREET IMPROVEMENT FUND NOVEMBER 30, 1927—Continued

Ledger No. 6 Page		Warrants Outstanding	Balances
79.	Baldwin St., Mississippi to Kerby St....	$ 5,129.66	$ 60.94
	E. 46th St., Woodstock to City Limit...	5,643.47	193.67
80.	45th Ave., E. 67th to E. 70th Sts.....	4,006.70	394.63
	E. 41st St., Failing to Shaver Sts.....	2,261.02	57.98
	Terry St., Delaware to Burrage St.....	3,408.04	1,008.30
81.	Woods St. Fill.....	.....	7.00
	Water St. Fill.....	.....	7.00
	Highland and Holman Sts.....	6,880.24	281.30
82.	Harney Ave., E. 17th to E. 19th Sts.....	1,500.00	50.66
	E. 70th Ct. in Dressel's Add.....	2,389.96	16.06
	Alley Block 19, Piedmont.....	1,192.90	163.66
83.	Fern Ave. to Upper Drive.....	3,753.65	326.58
	Going St., E. 29th to E. 30th Sts.....	1,318.44	75.89
	E. 79th to E. 80th Sts.....	1,274.37	88.13
84.	Lombard St., Albina to Union Aves.....	24,728.28	47.37
85.	41st Ave., E. 46th to E. 52nd Sts.....	6,999.23	49.77
86.	Minnesota Ave., Bryant to Lombard...	8,172.28	2,275.28
87.	E. 70th St., Beech to Mason Sts.....	6,580.35	459.44
88.	E. Davis St., E. 67th to E. 69th Sts.....	3,331.19	215.68
	Knapp Ave., E. 16th to Milwaukie.....	1,717.62	462.60
	E. Sherman St, E. 46th to E. 47th Sts..	1,217.90	173.56
89.	Holman St., Willamette Blvd to Delaware Ave.....	5,700.00	142.59
90.	Pettygrove St., 26th to 27th Sts.....	.....	75.00
91.	E.27th St., Broadway to Schuyler St...	900.00	26.73
	E. 34th St., Holgate to Gladstone.....	5,000.00	11.39
	Montana Ave., Alberta to Blandena....	4,400.00	20.69
92.	Liberty St., E. 13th to E. 22nd Sts.....	8,622.06	
	Stephens St., E. 29th to E. 28th Sts.....	1,741.89	27.42
93.	Oberlin St., Haven to Portsmouth.....	6,300.00	83.48
	Leonard St., Buchanan to Alma.....	3,300.00	15.04
94.	E. 25th St., Killingsworth to Jarrett...	1,849.42	104.83
	E. 86th St., 70th to 65th Aves.....	5,771.05	1,252.15
95.	East Irving to E. 52nd Sts.....	4,113.00	2,128.35
	Dekum Ave., Interstate to Maryland...	879.50	81.58
96.	Romona Ave., E. 39th to E. 41st Sts....	2,800.00	18.78
	E. 62nd St., E. Glisan to Oregon.....	1,582.82	22.54
	Alva and Penn Sts.....	857.19	174.59
97.	Sheldon St., E. Hoyt to Oregon Sts.....	1,258.44	13.67
	E. 92nd St., 51st to 48th Aves.....	2,489.95	683.18
	Watts St., Penn to Emerald Sts.....	3,038.38	1,554.14
98.	Broadway and Larrabee Sts.....	.....	29,080.86
	Syracuse St., Buchanan to Polk Sts....	1,978.57	81.35
98.	E. 6th St., Spokane to Nehalem Ave....	1,037.45	73.57
99.	Clackamas St., Goodsells to 33rd St.....	294.10	27.60
	Siskiyou St., E. 24th to E. 26th Sts.....	1,776.04	54.21
	E. 35th St., Bryce to Wilshire.....	2,184.52	12.04
100.	E. Ash St., E. 57th to E. 60th Sts.....	2,660.04	58.06
	Hassalo St., E. 52nd to E. 53rd Sts.....	768.48	83.27
	Maltby St., et al.....	4,361.97	141.59
101.	Morgan St., Albina to Kerby.....	2,300.00	117.09
	Jarrett St., E. 9th to E. 11th Sts.....	2,173.55	537.08
102.	Winchell St., Minnesota to Mississippi Aves.	2,701.55	10.42
	E. Clay St., E. 76th to E. 80th Sts.....	3,950.37	16.12

WARRANTS OUTSTANDING AND BALANCES IN THE STREET IMPROVEMENT FUND NOVEMBER 30, 1927—Continued

Ledger No. 6 Page		Warrants Outstanding	Balances
103.	Siskiyou and E. 27th Sts.....	$ 21,071.16	$ 297.28
	Everard St., E. 39th to E. 41st Sts.....	1,500.00	15.64
104.	Siskiyou St., E. 29th to E. 30th Sts.....	2,655.82	133.17
	Crane St., E. 19th to E. 21st Sts.....	4,274.75	81.68
	34th Ave., E. 45th St. to Bodley Place..	2,037.90	417.90
105.	Overton St., Cornell Rd. to 27th St.....	400.00	5.75
	Delaware Ave., Ainsworth to Portland Blvd.	7,795.71	261.51
106.	Glenn Ave., Brazee to Knott Sts.....	4,254.85	459.89
	E. 8th St., Umatilla to Nehalem Ave...	6,588.84	2,000.62
107.	Wall St., Lombard to Willamette Blvd..	11,577.67	488.86
108.	27th Ave., E. 43rd to E. 48th Sts.....	7,347.11	186.42
109.	Jarrett St., Concord to Maryland.....	3,021.37	356.97
	McLaughlin St., E. 36th to E. 38th Sts..	1,779.14	37.04
110.	E. 26th St., Oregon to Pacific.....	885.25	411.07
	E. 25th St., Emerson to Killingsworth..	2,079.96	156.40
111.	E. 17th St., Nehalem to Lambert.....	6,222.02	854.90
114.	E. Kelly St., E. 31st to E. 36th Sts.....	9,717.45	440.36
115.	Knowles Ave., Portland Blvd to Lombard St.	13,570.31	341.66
120.	Corbett St., et al.....	33,666.94	3,428.20
127.	Macadam St., Dakota to Virginia.....	5,000.00	96.81
130.	Brooklyn St., et al.....	50,913.08	
	E. 54th St., Klickitat to Fremont Sts...	1,935.79	
	Alley, Block 102, Laurelhurst.....	1,059.38	
	Montana Ave., Holland to Lombard Sts.	2,341.11	
	Marguerite Ave., Jessup to Killingsworth	1,890.98	
	Woodstock Ave., Eastmoreland to E. E. 39th St.....	4,008.14	
	E. 3rd St., E. Clay to E. Market Sts.....	2,393.24	
	Ogden Ave., et al.....	12,374.65	
	Morris St., E. 33rd to E. 37th Sts.....	7,680.46	
	Princeton St., Buchanan to Ida Sts.....	8,720.17	
	Kellogg St., et al.....	7,121.55	
	E. 22nd St., Yukon to Ellis Aves.....	4,661.20	
	E. 39th St., Powell Valley to Francis Av.	3,252.62	
	E. 71st St., Crest View to Sandy Blvd..	1,568.00	
	Carlin St., Edison to Jersey Sts.....	6,245.78	
200.	Interstate Ave., et al.....	96,206.20	
			$ 179,504.44
	* Deficit	.....	21.76
		$ 1,065,335.43	$ 179,482.68

WARRANTS OUTSTANDING AND BALANCES IN THE SEWER FUND
NOVEMBER 30, 1927

Ledger No. 5 Page		Warrants Outstanding	Balances
490.	Lombard and Mobile Sts	$ 161.35	$ 6.60
498.	E. 71st and 51st Ave	2,085.00	.30
500.	Brooklyn District	154.48	
	Marquam Gulch District	8.80	
	E. 20th St. et al	.80	
	North Branch Brooklyn District	138.50	
	Westmoreland System	11.00	
	Holgate Ext. So. Br. Brooklyn Dist	.80	2,481.05
501.	Rhine St. Ext. So. Br. Brooklyn Dist	3.75	1.95
	E. Stark St. Trunk No. 1	186.80	206.96
504.	Missouri Ave. and Morgan St	70.00	.55
508.	Ainsworth Ave. and E. 13th St	.....	2.00
520.	Campbell St., Portland Blvd. to 100 ft. S.	3.72	8.72
524.	E. 71st and Halsey Sts	318.57	
503.	Riverside District	.....	197.70
533.	E. 10th and Holman Sts	154.60	
538.	Ainsworth Ave., Cloverdale to E. 9th St.	64.00	64.00
540.	Rural Ave., 41st Ave. to Eastmoreland	341.41	32.42
550.	E. 13th St. Trunk	3,610.95	229.51
576.	E. 60th St., Broadway to Hancock	103.29	
595.	E. 81st St. Holladay Ave. to Halsey St.	152.66	
599.	Matteson Ave. System	105.62	
600.	Delaware and Kenton Blvd. Trunk	29.00	29.00
610.	E. 32nd and Stanton Sts	1.95	
623.	43rd Ave. and 45th St. S. E	52.22	
624.	Morse St. Trunk	446.45	6.15
636.	E. 26th St., Ainsworth to Dekum Ave	43.69	
643.	Hoffman Ave. and Elevator St	807.20	
644.	Hunt St., Peninsula to Kenton Blvd	103.74	
645.	E. 26th and Ainsworth Ave	13.45	.10
648.	Highland St., E. 13th to E. 18th	68.70	
647.	Fessenden St., Fairhaven to Midway	224.95	
654.	Grand Ave., Portland Blvd. to Morgan St	190.60	
651.	First and Nevada Sts	248.40	
666.	Willow St., E. 60th to E. 63rd Sts	49.70	
663.	E. 80th St., Hyles Add. to Halsey St	146.86	
667.	36th Ave. and E. 71st St	76.65	
667.	E. 55th St. and Private Property	1.00	1.00
668.	67th St. and 43rd Ave. S. E	109.62	
669.	E. 79th St. N., Villa to E. Glisan St	28.85	
671.	Vanderbilt St., Olin to Haven Sts	35.95	
672.	E. 24th St., Ainsworth to Dekum Aves.	1,500.00	8.85
673.	Glenwood Ave. and E. 39th St	195.52	
675.	12th and Cardinal Drive	3.80	
676.	E. 58th and Hassalo Sts	120.00	
677.	Haight Ave., Ainsworth to Portland Blvd.	2.00	
	61st St. and 48th Ave. S. E	72.08	
678.	E. 34th and North Sts	4,233.65	313.57
682.	E. 72nd, 45th to Foster Road	740.80	135.06
685.	Calhoun and Hudson Sts	112.82	
686.	Cardinal Drive System	282.56	
687.	Farragut St., Minnesota to Albina Ave.	68.50	
688.	E. 71st, 37th Ave. to 40th Ave	30.30	
689.	E. 21st St. and Linn Ave	804.20	

WARRANTS OUTSTANDING AND BALANCES IN THE SEWER FUND
NOVEMBER 30, 1927—Continued

Ledger No. 5 Page		Warrants Outstanding	Balances
690.	E. 76th and Pacific Sts	$ 90.30	
	E. 19th and Holman Sts	453.69	
691.	E. 63rd St., 50th Ave. to Foster Road	63.50	$ 13.20
694.	E. 79th and Oregon Sts	1,001.97	
699.	E. 36th and Haig Sts	25.00	
700.	Columbia Slough Channel	1,019.12	147.87
736.	E. 34th and Jessup Sts	286.20	1.60
741.	65th Ave. and 89th St. S. E	177.62	6.40
742.	74th St. S. E., 45th Ave. to Foster Road	89.55	.80
	Siskiyou St. and Marguerite Ave	15.50	
743.	E. 21st St. and Nehalem Ave	3,659.70	2.70
745.	72nd St. and 43rd Ave. S. E	906.30	.25
746.	87th St. S. E., 63rd Ave. to Foster Road	184.72	
	E. 69th St., Thorburn to E. Davis St	3.10	
747.	Burrage St., Portland Blvd. to Lombard St.	177.25	177.25
748.	Lombard St. to Omaha Ave	52.88	
749.	E. 88th St., 63rd Ave. to Foster Road	295.32	
751.	E. 44th St,. E. Hoyt St. to 215 ft. south	214.65	
752.	45th Ave. and E. 58th St	1,196.68	117.15
754.	Extension Thomas Creek Sewer	43.50	
755.	McClellan St., Brandon to Delaware Ave.	164.91	
756.	Fiske and Syracuse Sts	56.49	
758.	Banks and Calhoun Sts	820.40	
761.	E. 60th St., Broadway to Halsey St	25.09	
	Swenson St., Meyers to Oswego Sts	114.60	
762.	E. 87th St. and 65th Ave	600.00	2.22
764.	Fox St., Meyers and Oswego Sts	249.53	
766.	4th St. and Terwilliger Hts	724.00	.20
767.	Ida and Princeton Sts	232.90	
768.	Gilham Ave., E. Burnside to Davis Sts.	1,167.30	
769.	E. 24th and Ainsworth Ave	943.00	
770.	E. 51st St., 47th to 43rd Ave	53.54	
771.	E. 67th St. and 41st Ave	1,989.50	
774.	Lombard and Boston Ave	37.16	
	Miles St. et al	2.00	2.00
775.	Calhoun St., Smith to Fessenden St	190.80	
776.	Oregonian Ave.	84.47	20.47
782.	45th Ave., 60th St. to Foster Road	97.12	.06
785.	South Ave. and E. 17th St	29.03	
786.	Iowa St. System	2,476.10	132.05
787.	Baldwin St., Washburn to Wabash	.....	.10
788.	62nd Ave., E. 62nd to 67th Sts	269.40	
	E. 19th and Crane Sts	16.55	
789.	Watts St., Interstate to Albina	563.25	
	E. 8th St., Bryant to Morgan Sts	2.00	
790.	45th Ave. and 74th St	809.80	.80
792.	Mason St., Colonial to Interstate	24.94	
793.	Winchell St., Interstate to Albina	538.60	90.45
795.	Lombard St., Vancouver to E. 13th St	1,129.20	
796.	Hodge St., Lombard to Willis Blvd	53.36	
797.	Newman and Olin Sts	253.50	
799.	E. 79th St. and 52nd ve	655.35	
800.	Foster Road System	775.61	122.56
816.	Oswego St. Trunk	2,375.22	166.87
821.	E. 74th St. and Powell St	88.06	2.76

WARRANTS OUTSTANDING AND BALANCES IN THE SEWER FUND NOVEMBER 30, 1927—Continued

Ledger No. 5 Page		Warrants Outstanding	Balances
822.	Tolman and 63rd Ave	$ 101.28	
823.	Powell Valley Road, E. 76th to 82nd Sts.	585.47	
824.	E. 86th St. and Woodstock Ave	1,931.90	
826.	St. Helens Blvd. et al	1,898.65	$ 2.45
828.	Mohawk and Fessenden Sts	700.00	8.90
830.	Lents Trunk	38,525.09	873.10
844.	St. Johns and James Sts	2,045.44	3.30
848.	Powell Valley Road, E. 65th to 59th Sts.	150.00	43.06
850.	Bayard St. and Willis Blvd	5,553.72	
860.	Castle Ave. and Overlook Blvd	100.80	
862.	Vermont St. Trunk	397.65	
864.	Baldwin St., Minnesota to Albina Ave.	203.10	
865.	Morris and E. 36th Sts	2,200.00	152.95
866.	Haven St., Willamette to Lombard St..	485.35	93.75
868.	Fessenden and Richmond Sts	300.00	65.71
870.	E. 55th and Clackamas Sts	101.45	
872.	N. Branch Rhine St	821.50	18.79
Ledger No. 6 Page			
450.	Whitaker St., Kelly St. to Thomas Creek	92.00	
	First St., Whitaker to Grover St	34.16	
	Cook Ave. District Sewer	250.00	
	Williams Ave., Alberta to Fremont	5.10	
	Tanner Creek Sewer	203.16	5.15
	Division St., E. 6th to Willamette River	.10	
	Sullivan's Gulch Trunk Sewer No. 1	1.60	
	E. Stark St. Trunk Sewer No. 2	203.00	208.50
451.	The Canyon Road Extension of the Tanner Creek Sewer	33.60	2.40
	Water and Mill Sts	107.91	.07
	E. 37th and Raymond Ave	298.40	
	E. 75th St., E. Stark to E. Glisan	54.31	
452.	E. 57th St., Sandy Blvd. to Halsey	.....	.22
	Albina Ave. Trunk District No. 55	1.00	1.00
	S. Branch Rhine St	.....	3.03
	Killingsworth and E. 19th St. Dist. 119..	9.81	9.81
	Portland Blvd. to Orient St	131.23	
	Killingsworth Ave. and Vernon Ave	.....	22.58
	E. 27th St. et al. District 109	62.92	32.97
453.	E. 33rd and Stafford Sts	1,164.26	133.46
	E. 22nd St. Trunk	17.50	
	33rd Ave. and 60th St. District 92	20.00	6.15
	E. 65th St. and Private Property	211.52	44.42
	Union Ave. and Portland Blvd	.20	.51
454.	City Park to River	.....	40.50
	Russell St.	.....	8.00
	"B" St.	.....	27.15
456.	Fairmont Blvd. Branch	376.60	50.00
457.	Terry St., Minnesota to Albina	1,746.23	1,531.43
	64th St. and 27th Ave	3,744.10	3,537.40
458.	49th Ave., E. 84th to 82nd Sts	280.05	280.05
	E. 62nd St., 29th Ave. to Powell	2,877.65	2,877.65
	31st St., Willamette Hts. to Thurman..	1,148.09	1,024.20
459.	E. 34th St., Alberta to Killingsworth Ave.	2,621.21	2,035.85

WARRANTS OUTSTANDING AND BALANCES IN THE SEWER FUND NOVEMBER 30, 1927—Continued

Ledger No. 6 Page		Warrants Outstanding	Balances
459.	E. 30th St., Stanton to Siskiyou Sts	$ 551.00	$ 30.54
460.	E. 52nd St. and 46th Ave	10,861.25	9,904.55
461.	Tyler and Syracuse Sts	548.40	548.40
	Terry and Omaha Sts	3,673.16	3,126.51
463.	Terwilliger Ave. and 2nd St	1,121.00	54.00
	Columbia and Delaware Ave	836.57	
464.	E. 45th St. and 34th Ave	1,344.25	1,272.60
	E. 61st St. and 26th Ave	2,243.45	2,135.00
	Lombard St., Kerby to Vancouver Ave.	1,898.94	1,858.49
465.	Tyler and Fessenden Sts	6,551.60	5,538.70
	Leonard St., Polk to Buchanan Sts	414.00	9.60
466.	Wasco St., E. 60th to 63rd Sts	1,131.76	998.06
	E. 71st St., 65th to 62nd Aves	1,394.05	1,165.85
	Commonwealth and Sheffield Aves	1,274.23	9.00
467.	Caruthers St., 3rd to Hood Sts	3,600.00	2,916.70
468.	Oatman Ave. and Willamette Blvd	2,544.82	2,096.66
	E. Grant and Kenilworth Ave	2,118.60	93.20
469.	E. 70th St., 29th to 27th Aves	1,590.88	1,552.58
	Foss St., Winchell to Willamette Blvd.	1,378.53	862.39
470.	E. 63rd St. and 29th Ave	1,868.40	100.55
471.	Montana Ave., Buffalo to Lombard	1,309.75	156.97
	66th St., 29th to 26th Ave	3,000.00	322.54
472.	Minnesota Ave. and Buffalo St	8,126.74	192.94
474.	E. 74th St. and 29th Ave	7,424.58	6,690.38
478.	E. 75th St., Section Line to 29th Ave	2,220.00	68.60
	Central Ave., Fessenden to St. Johns..	2,028.90	193.02
479.	E. 22nd and Gladstone Ave	9,064.87	46.92
479.	Pettygrove St., 27th to 26th Sts	699.45	518.39
	E. 70th St., 25th to 27th Ave	594.50	88.07
480.	Front St. Intercepting	527,791.31	
490.	Virginia Hts. Branch	10,396.35	.42
494.	Lovely and Wall Sts	1,208.90	337.70
	46th Ave. and 69th St	3,099.80	172.39
495.	E. 36th and McLaughlin Sts	1,354.75	58.90
	E. 30th St., Stanton to Knott Sts	881.15	17.45
496.	Extension Woods St. Gulch	10,369.12	463.60
498.	E. 21st and Nehalem Sts	7,901.30	731.32
499.	E. 60th St., Hassalo to Halsey Sts	2,406.85	1.89
500.	Corbett St., Vermont to Nebraska Sts.	1,394.43	634.43
501.	33rd Ave., E. 45th St. to Bodley Place..	996.08	996.08
	Beech St., E. 37th to 39th Sts	577.75	
530.	E. 82nd St. and 62nd Ave	917.40	183.45
	E. Davis St., E. 47th to 375 ft. east	906.67	
	Kenilworth Ave., Francis to Rhone St..	626.99	
	E. 32nd St., E. Lincoln to Market Sts...	835.05	
	E. 31st St., E. Lincoln to Market Sts...	957.07	
502.	Leonard and Burlington Sts	3,718.16	
536.	Fiske St. and Private Property	3,035.85	725.95
545.	E. 64th St. and 25th Ave	2,840.05	2,614.05
580.	55th Ave. and 67th St	73,634.13	
	E. 42nd and Holman Sts	50,057.72	
524.	Buchanan St., Central to Fessenden Sts.	34.47	
544.	Depauw St., District 43	1,231.16	
	Totals	$ 906,478.94	67,367.10

WARRANTS OUTSTANDING AND BALANCES IN THE STREET EXTENSION FUND NOVEMBER 30, 1927

Ledger No. 5 Page		Warrants Outstanding	Balances
890.	Corbett St. et al District 40	$ 147.19	$ 1,432.31
901.	E. Couch St., E. 47th to 50th Sts	100.00	100.83
906.	E. 75th St., 40th Ave. to 45th Ave	7.40	118.80
910.	Lombard St., Swinton to Vancouver Ave.	990.90	996.98
912.	Kerby St., Riverview Add. to Fremont St.	.....	2.05
913.	E. 72nd St., Siskiyou to Knott St	.....	19.50
915.	E. 73rd St., Yamhill to Thorburn St	190.00	207.85
916.	29th Ave., E. 52nd St. to 824 ft. east	1.00	1.00
918.	E. 46th St., Regis to E. Salmon Sts	.....	6.78
920.	Delay St., Larrabee to Russell Sts	4.40	4.40
930.	Foster Road at Powell Valley Road	.....	3.72
940.	Interstate Ave., Morris to Prescott Sts.	.....	480.98
950.	Ladd Ave. et al	1,053.47	1,053.95
954.	Glisan St., 3rd to 4th Sts	.....	30.20
955.	E. 67th St., Foster Road to 50th Ave	.....	8.38
968.	E. Grant St., Kenilworth to E. 30th St.	13.70	13.70
970.	Burnside St., Willamette R. to 3rd St	8,000.00	8,706.72
976.	Woods St., Moody to Corbett Sts	.....	439.31
979.	38th Ave. et al	747.20	747.20
986.	E. 17th St., South to Harold Aves	232.50	367.97
913.	Holman St. to City Limits	110.00	110.00
919.	Stephens St.	.....	3.91
990.	Powell St. et al	1,181.60	4,224.36
Ledger No. 6 Page			
800.	4th St. (So.)	150.00	
	E. 27th St., Portland Hts. to Ellsworth Ave.	117.80	117.80
	E. 17th St., Midway to Yukon Ave	16.50	16.50
	E. Burnside and Gilham Ave	267.50	630.26
	Kellogg St.	50.40	50.40
	Broadway, Wheeler to Eliz. Irvings	.....	152.41
802.	New St., Bancroft Ave. to Portland Homestead	.....	786.32
	1st and Burnside Sts	.....	415.34
803.	E. 28th St., Brooklyn to Woodward Ave.	.....	1,136.81
804.	E. 34th St., Belford Add. to Powell St..	.....	720.51
	Morris St., E. 70th to 72nd Sts	.....	106.60
805.	E. 47th St., 53rd to 55th Aves	.....	159.50
810.	3rd St. et al District 46	.....	594.85
849.	Bryant St., Union to E. 8th St	115.00	132.54
850.	Interstate Ave.	3,922.20	4,142.29
858.	E. Burnside St. et al	44,677.02	72,461.12
	Totals	$ 62,095.78	$ 100,704.15

TRIAL BALANCE GENERAL LEDGER 18 NOVEMBER 30, 1927

City of Portland	$44,022,893.99	
General bonds	.....	$10,976,000.00
Dock bonds	.....	8,880,000.00
Water bonds	.....	17,485,000.00
Improvement bonds	.....	6,241,783.66
Improvement bonds former Town of Linnton	.....	54,649.37
Public utilities certificates	.....	150,000.00
Street lighting improvement bonds	.....	346,306.36
Street and sewer warrants	106,575.40	
United States National Bank	1,090.71	
The Portland Posterity Fund	.....	1,090.71
Wm. Adams, Treasurer, general account	3,368,818.64	
Commissioner of Public Safety, rotary cash account	2,050.00	
Bureau of Police, rotary cash account	850.00	
Commissioner of Finance, rotary cash account	125.00	
Commissioner of Public Affairs, rotary cash account	50.00	
Commissioner of Public Utilities, rotary cash account	425.00	
Commissioner of Public Works, rotary cash account	100.00	
Bureau of Water Works, rotary cash account	300.00	
Bureau of Health, rotary cash account	50.00	
Municipal Store, rotary cash account	10.00	
Office of City Attorney, rotary cash account	75.00	
Eastmoreland Golf Links, rotary cash account	150.00	
West Hills Golf Links, rotary cash account	25.00	
Rose City Golf Links, rotary cash account	50.00	
Public Market, rotary cash account	10.00	
Wm. Adams, Treasurer, investment account	3,798,992.41	
Water Bond Sinking Fund investments	.....	2,690,399.02
Sinking Fund investments	.....	1,097,154.38
Broadway Bridge Fund investments	.....	4,000.00
Lighting Bond Sinking Fund investments	.....	7,439.01
Revenue receivable taxes, 1920	47,257.92	
Reserve for loss on taxes, 1920	.....	47,257.92
Revenue receivable taxes, 1921	6,467.12	
Reserve for loss on taxes, 1921	.....	6,467.12
Revenue receivable taxes, 1922	100,997.17	
Revenue General Fund taxes, 1922	.....	22,819.79
Revenue Bonded Indebtedness Interest Fund taxes, 1922	.....	2,935.63
Revenue Sinking Fund taxes, 1922	.....	1,353.70
Reserve for loss on taxes, 1922	.....	73,888.05
Revenue receivable taxes, 1923	37,350.69	
Reserve for loss on taxes, 1923	.....	37,350.69
Revenue receivable taxes, 1924	53,915.06	
Revenue General Fund taxes, 1924	.....	14,591.79
Revenue Bonded Indebtedness Interest Fund taxes, 1924	.....	1,644.12
Revenue Sinking Fund Taxes, 1924	.....	1,070.98
Revenue Playgrounds and Parks Fund taxes, 1924	.....	115.34
Reserve for loss on taxes, 1924	.....	36,492.83
Revenue receivable taxes, 1925	77,462.31	
Revenue General Fund taxes, 1925	.....	31,519.54
Revenue Bonded Indebtedness Interest Fund taxes, 1925	.....	4,292.27
Revenue Sinking Fund taxes, 1925	.....	2,242.21
Revenue Playgrounds and Parks Fund taxes, 1925	.....	864.83

TRIAL BALANCE GENERAL LEDGER 18 NOVEMBER 30, 1927—Continued

Revenue Special Bridge Fund taxes, 1925		$ 480.56
Reserve for loss on taxes, 1925		38,062.90
Revenue receivable taxes, 1926	$ 133,671.92	
Revenue General Fund taxes, 1926		72,811.57
Revenue Bonded Indebtedness Interest Fund taxes, 1926		10,298.03
Revenue Sinking Fund taxes, 1926		6,404.08
Revenue Playgrounds and Parks Fund taxes, 1926		2,863.43
Revenue Special Bridge Fund taxes, 1926		390.13
Reserve for loss on taxes, 1926		40,904.68
Revenue receivable taxes, 1927	792,261.57	
Revenue General Fund taxes, 1927		557,293.07
Revenue Bonded Indebtedness Interest Fund taxes, 1927		63,266.51
Revenue Sinking Fund taxes, 1927		41,476.12
Revenue Playgrounds and Parks Fund taxes, 1927		12,112.30
Revenue Special Bridge Fund taxes, 1927		19,379.68
Revenue Firemen's Salary Increase Fund taxes, 1927		27,696.76
Revenue Policemen's Salary Increase Fund taxes, 1927		20,267.85
Reserve for loss on taxes, 1927		50,769.28
Chief of Police	170.85	
Fugitive Fund		170.85
Sinking Fund loans	1,910.00	
Improvement Bond Sinking Fund, Linnton loans		1,910.00
General Fund loans	53,305.71	
Paving Plant loans		333.01
Public Auditorium Fund loans		57,325.00
Municipal Paving Rotary Fund loans	30,000.00	
Extension of Glisan St. loans		397.30
Extension of 38th Ave. et al loans		42.90
Extension of Ladd Ave. loans		869.00
Firemen's Salary Increase Fund loans		8,042.23
Policemen's Salary Increase Fund loans		6,459.25
Sidewalk rotary account loans	7,000.00	
Engineering rotary account loans		16,837.02
Municipal Improvement Certificates	40,000.00	
Security Savings and Trust Co		40,000.00
General Fund		527,295.07
Appropriation General Fund	2,673,407.81	
Appropriation expense Bureau of Police		14,796.80
Appropriation weeds rotary account		725.57
Appropriation expense Bureau of Licenses		639.00
Appropriation stationery rotary account		3,299.09
Appropriation stores rotary account		25,300.50
Appropriation garage rotary account		1,268.53
Appropriation expense Bureau of Parks		453.05
Appropriation expense Public Market		550.00
Appropriation expense Bureau of Garbage Disposal		26.22
Appropriation expense Bureau of Fire		6,162.28
Appropriation Municipal Shop rotary account	788.17	
Appropriation expense Department of Public Works		1,624.92
Appropriation engineering rotary account		5,951.89
Appropriation sidewalk rotary account		2,737.57
Appropriation engineering Burnside Street		294.37
Appropriation maintenance stock rotary		463.57

TRIAL BALANCE GENERAL LEDGER 18 NOVEMBER 30, 1927—Continued

Appropriation expense lighting		$ 1,299.08
Appropriation expense Bureau of Health		151.02
Appropriation tuberculin rotary account		663.05
Appropriation expense Planning Commission		620.05
Appropriation expense of Accountant		300.00
Appropriation expense annual audit		1,700.00
Appropriation expense codifying ordinances		6,000.00
Appropriation expense compiling property records		250.00
Appropriation expense Elecrtical Examiners		60.00
Appropriation payment of loan		2,547,000.00
Appropriation Oregon Humane Society		9,316.48
Appropriation expense printing annual reports		3,247.43
Appropriation expense printing codes		583.41
Appropriation distribution of taxes		38,296.08
Appropriation expense widening Jefferson and Chapman Streets		397.41
Bonded Indebtedness Interest Fund		237,015.59
Appropriation Bonded Indebtedness Interest Fund	$ 8,287.50	
Appropriation payment of interest		8,287.50
Sinking Fund		124,183.47
Playgrounds and Parks Fund		24,838.77
Appropriation Playgrounds and Parks Fund	362.27	
Appropriation purchase of land, equipment and improvement of playgrounds and parks		362.27
Special Bridge Fund		124,411.34
Appropriation Special Bridge Fund	155,563.69	
Appropriation cost of fills and construction of bridges		155,563.69
Public Auditorium Fund		3,299.64
Appropriation Public Auditorium Fund	1,482.91	
Appropriation expense Auditorium Fund		1,482.91
Fire Department Construction Fund		7,404.88
Appropriation Fire Department Construction Fund	6,620.85	
Appropriation construction of firehouses		6,620.85
Park and Boulevard Construction Fund		1,926.43
Appropriation Park and Boulevard Construction Fund	1,628.24	
Appropriation construction and improvement parks and boulevards		1,628.24
Water Fund		500,076.80
Appropriation Water Fund	15,051.95	
Appropriation expense Bureau of Water Works		9,379.74
Appropriation payment of interest on water bonds		5,331.00
Water Bond Sinking Fund		97,133.49
Redemption Fund		5,412.07
Assessment Collection Fund		105,740.96
Women's Detention Home Fund		1,018.78
Municipal Paving Rotary Fund		49,452.97
Appropriation Municipal Paving Rotary Fund	25,590.00	
Appropriation paving rotary account		25,590.00
Eastmoreland Golf Fund		12,076.98
Appropriation Eastmoreland Golf Fund	1,996.95	
Appropriation expense Eastmoreland Golf Links		30.00
Appropriation Eastmoreland rotary account		1,966.95
West Hills Golf Fund		2,060.52

TRIAL BALANCE GENERAL LEDGER 18 NOVEMBER 30, 1927—Continued

Rose City Golf Fund		$ 11,404.64
Auto Camp Fund		4,251.32
Appropriation Auto Camp Fund	$ 1,127.48	
Appropriation improvement of auto camps		1,127.48
Garbage Crematory Fund		115,864.89
Appropriation Garbage Crematory Fund	112,479.17	
Appropriation construction of crematory		112,479.17
U. S. Grant Property Sales Fund		6,735.25
Water Construction Fund		683,468.73
Appropriation Water Construction Fund	457,988.67	
Appropriation construction and extension of water mains		458,348.49
Broadway Bridge Fund		5,133.12
Civic Emergency Fund		564.10
Nellie Robinson Fund		381.46
Appropriation Nellie Robinson Fund	245.73	
Appropriation expense installing fountains		245.73
Mt. Hood Railway & Power Co. Street Repair Fund		1,000.00
Paving Fund		2,491.33
Street Improvement Fund		179,482.68
Sewer Fund		67,367.10
Street Extension Fund		100,704.15
Street and Sewer Interest Fund		3,929.43
Improvement Bond Sinking Fund		86,697.56
Improvement Bond Interest Fund		20,011.99
Lighting Bond Interest Fund		6,562.98
Improvement Bond Sinking Fund, Linnton		24.76
Improvement Bond Sinking and Interest Fund		200.79
Gantry Crane Fund		290.71
Appropriation Gantry Crane Fund		26.42
Appropriation purchase of crane	26.42	
Bridge Access Fund		17,232.40
Appropriation Bridge Access Fund	14,221.30	
Appropriation expense access to bridges		14,221.30
Fire Boat and Fire Mains Fund		120.72
Health Teachers' Fund		1,379.68
Franchises		5,304.80
Franchise Heights Trust Co	3,690.00	
Franchise Erroll Heights Railway Co	1,614.80	
Lighting Bond Sinking Fund		64,829.20
Wm. Adams, Treasurer, security account	4,305,162.13	
Ashley State Bank		30,000.00
Bank of California		550,000.00
Brotherhood Co-operative National Bank		61,000.00
Geo. W. Bates & Co., Bankers		15,000.00
Bank of Sellwood		25,000.00
Bank of Kenton		25,000.00
Citizens Bank		111,000.00
First National Bank		1,157,000.00
First National Bank of Linnton		30,000.00
Hibernia Commercial and Savings Bank		115,000.00
American Exchange Bank		164,000.00
Montavilla Savings Bank		29,200.00
Northwestern Electric Co		2,000.00
Multnomah State Bank		12,700.00
Oregon State Bank		22,000.00
Canadian Bank of Commerce		150,000.00
Peninsula National Bank of St. Johns		197,262.13
Portland National Bank		113,000.00
Security Savings & Trust Co		103,000.00
United States National Bank		1,003,000.00

TRIAL BALANCE GENERAL LEDGER 18 NOVEMBER 30, 1927—Continued

West Coast National Bank		$ 370,500.00
Mt. Scott State Bank		19,500.00
Bridge Access Fund No. 2		21,313.20
Appropriation Bridge Access Fund No. 2	$ 22,399.01	
Appropriation expense access to bridges		22,399.01
Fire Department Construction Fund No. 2		139,426.40
Appropriation Fire Department Construction Fund No. 2	71,141.22	
Appropriation construction of firehouses No. 2		71,141.22
Police Traffic Signal Fund		4,602.29
Appropriation Police Traffic Signal Fund	2,180.23	
Appropriation installing traffic signals		2,180.23
	$60,567,467.97	$60,567,467.97

DETAIL STATEMENT OF LICENSE RECEIPTS FOR FISCAL YEAR ENDING NOVEMBER 30, 1927

	December		January		February		March		April		May	
	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received
Abstractors	2	$ 18.75	7	$ 33.75	1	$ 3.75	3	$ 18.75	4	$ 15.00	1	$ 3.75
Amusement Parks												
Auction Houses	26	265.00	2	320.00	4	40.00	3	37.50	29	225.00	1	10.00
Auto Dealers	50	250.00	93	470.00	151	755.00	93	490.00	76	380.00	133	675.00
Autos for Hire	13	287.00	27	1,409.45	5	60.60	14	79.00	29	1,615.50	12	53.50
Auto Stages	1	105.00							1	105.00	1	57.00
Awning Manufacturers	5	500.00	1	100.00	1	100.00						
Banks	2	112.19	7	341.06			2	37.58	5	181.09	2	102.20
Baths and Massage	1	7.50	4	30.00	2	22.50	2	15.00	2	15.00	1	7.50
Bill Posters and Distributors	5	610.05	3	220.00	4	610.00	5	516.70	6	1,010.00	4	603.35
Bowling Alleys			1	70.00								
Brokers			32	300.00	6	75.00						
Brokers, General	21	185.00			26	215.00	67	635.00	45	350.00	14	110.00
Brokers, Stocks on Margin			1	10.00	1	100.00	3	30.00				
Brokers, Business Chance	8	120.00	42	630.00	6	90.00	12	180.00	8	88.50	7	105.00
Card Rooms	38	3,390.00	5	560.00	1	70.00			1	80.00		
Chimney Sweeps			1	5.00								
Chiropodists												
Cleaning, Dyeing and Pressing	44	256.50	93	319.50	43	277.50	29	99.00	10	64.50	14	99.00
Collection Agencies	7	105.00	21	315.00	4	60.00	5	75.00	4	60.00	2	30.00
Dance Halls	66	290.75	28	130.50	8	41.25	3	12.75	3	12.75	2	9.50
Dancing Permits	195	383.00	167	323.00	186	195.00	183	280.00	157	306.00	124	125.00
Detective Agencies			5	500.00							1	25.00
Dog Breeders	2	15.00					5	25.00	4	20.00		
Electric Light and Power			2	600.00								
Express Service					1	300.00						
Explosives			1	20.00	1	20.00						
Firearms and Weapons			2	50.00	2	50.00	1	25.00				
Food Products	756	4,319.50	1903	11,394.00	727	4,341.00	176	1,044.00	114	679.50	99	576.00
Fumigators			1	5.00								
Gas for Light and Fuel							1	12.00				

DETAIL STATEMENT OF LICENSE RECEIPTS FOR FISCAL YEAR ENDING NOVEMBER 30, 1927—Continued

	December		January		February		March		April		May	
	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received
Gasoline Service Stations	85	$ 1,619.00	67	$ 1,458.00	88	$ 1,341.00	36	$ 523.00	35	$ 489.00	82	$ 1,109.00
Hawkers, Class No. 1	1	150.00	3	450.00					5	750.00		
Hawkers, Class No. 2	1	50.00	7	350.00					12	600.00	1	25.00
Hawkers, Class No. 3	3	150.00	1	50.00	2	100.00						
Hospitals			5	10.00	40	80.00	10	20.00	2	4.00	3	6.00
Hotels and Rooming Houses	74	370.00	174	870.00	45	225.00	49	245.00	15	75.00	12	60.00
House Movers			1	23.00	4	70.00			1	25.00		
Junk Wagons			38	285.00	7	52.50	6	45.00	49	367.50	4	30.00
Laundries	20	285.00	18	187.50	14	172.50	10	97.50	19	165.00	8	90.00
Mercantile Rating Agencies	1	12.50	1	25.00	1	25.00	1	12.50	2	50.00	2	25.00
Messenger Service					1	100.00						
Miscellaneous												
Milk or Cream, Cans or Carts			7	17.50	5	12.50	3	7.50	3	7.50	4	10.00
Milk and Cream, Dairy Wagons	4	200.00	6	160.00	10	320.00	29	2,220.00	11	380.00	9	180.00
Motor Busses	1	648.00			1	19.35	3	1,099.95				
Oil Storage	1	20.00	3	43.00	1	20.00	1	20.00	4	63.00	1	3.00
Oil Delivery Trucks	2	260.00	6	360.00	2	190.00	1	140.00	7	640.00	2	30.00
Pawn Brokers	4	300.00	6	450.00	3	225.00			2	150.00	3	225.00
Peddlers, Class 1, A and B	10	245.00	71	2,840.00	13	520.00	18	720.00	14	560.00	4	160.00
Peddlers, Class 2			1	50.00								
Peddlers, Class 3, B	1	15.00	2	65.00	1	13.75	4	50.00	3	32.50		
Peddlers, Class 4	1	15.00					2	10.00	6	30.00	8	40.00
Photographers and Solicitors												
Plumbers	21	210.00	85	850.00	27	270.00	18	180.00	7	70.00	2	20.00
Professional Intelligence	2	80.00	5	200.00					2	60.00		
Professional Bondsmen			1	100.00	1	100.00					1	100.00
Pool and Billiard Rooms	40	1,280.00	44	920.00	3	70.00	3	115.00	2	55.00		
Roller Skating Rinks	1	25.00					1	25.00	1	25.00		
Runners	5	30.00	8	50.00			1	5.00	6	35.00		
Safe Deposit Vaults			2	30.00					1	10.00		
Scavengers	13	70.00	117	591.00	2	10.00	10	60.00	122	675.00	1	5.00

DETAIL STATEMENT OF LICENSE RECEIPTS FOR FISCAL YEAR ENDING NOVEMBER 30, 1927—Continued

	December		January		February		March		April		May	
	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received
Second-Hand Dealers	57	$ 502.50	121	$ 1,035.00	57	$ 472.50	16	$ 142.50	135	$ 1,020.00	47	$ 420.00
Shooting Galleries												
Shows and Exhibits			4	150.00			1	15.00	3	200.00	1	450.00
Social Clubs	3	15.00	1	5.00	1	5.00						
Soft Drinks, Class B			4	40.00	4	34.00						
Solicitors, Photo					2	10.00	6	50.00				
Stables	5	10.00	7	14.00	5	10.00	3	6.00	6	15.00	2	4.00
Stereopticon Advertising												
Storage	27	205.00	21	194.00	7	38.00	9	61.20	9	47.00	3	15.50
Street Railway Cars			1	1,500.00					1	1,500.00		
Street Railway Advertising			1	500.00								
Telephone and Telegraph System	2	600.00	1	300.00								
Theatres	21	499.38	41	853.01			33	790.73	27	531.83	1	12.25
Theatrical Booking Agents			1	40.00								
Transient Merchants									1	50.00	2	100.00
Vending Machines			1	50.00					9	250.00	2	120.00
Wharfingers	3	220.00	6	170.00	3	80.00	1	50.00	2	40.00	5	100.00
Woodsaws	5	100.00	15	300.00	2	40.00	7	140.00				
Endless Chain Stores			1	25.00								
Photo Studio					1	5.00						
Gas Service			1	300.00								
Outdoor Advertising												
Totals	1656	$ 19,406.62	3355	$ 34,069.27	1533	$ 12,057.70	889	$ 10,373.16	1022	$ 14,180.17	628	$ 5,931.55
Dogs, Male	160	$ 480.00	145	$ 435.00	122	$ 366.00	807	$ 2,411.00	765	$ 1,539.75	308	$ 483.00
Dogs, Female	30	150.00	24	120.00	23	115.00	91	457.50	139	490.00	70	151.20
Grand Total	1846	$ 20,036.62	3524	$ 34,624.27	1678	$ 12,538.70	1787	$ 13,241.66	1926	$ 16,209.92	1006	$ 6,565.75

DETAIL STATEMENT OF LICENSE RECEIPTS FOR FISCAL YEAR ENDING NOVEMBER 30, 1927—Continued

	June		July		August		September		October		November		Totals	
	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received
Abstractors	1	$ 3.75	4	$ 30.00	2	$ 7.50	3	$ 15.00	9	$ 52.50	1	$ 3.75	38	$ 206.25
Amusement Parks	1	300.00	1	150.00									2	450.00
Auction Houses	2	20.00	1	10.00	2	20.00	3	30.00	3	30.00	15	130.00	91	1,137.50
Auto Dealers	81	405.00	103	515.00	42	210.00	30	150.00	16	80.00	8	40.00	876	4,420.00
Autos for Hire	16	115.65	36	2,057.74	5	88.20	10	92.00	34	1,682.50	9	148.40	210	7,689.54
Auto Stages			2	162.00					1	63.00	2	23.33	8	515.33
Awning Manufacturers													7	700.00
Banks	2	50.00	12	340.98	1	22.73	2	106.71	5	173.28	4	133.95	44	1,601.77
Baths and Massage			7	71.33	2	15.00			6	45.00	1	7.50	28	236.33
Bill Posters and Distributors			4	800.63	2	300.00	2	6.70	2	50.00			37	4,727.43
Bowling Alleys							2	210.00	1	10.00			4	290.00
Brokers			26	175.00	25	195.00			52	355.00	19	95.00	160	1,195.00
Brokers, General	5	65.00					33	260.00					211	1,820.00
Brokers, Stocks on Margin							1	100.00					6	240.00
Brokers, Business Chance	2	30.00	2	30.00	2	30.00	4	60.00					93	1,363.50
Card Rooms							1	20.00					46	4,120.00
Chimney Sweeps							1	5.00	6	30.00	1	5.00	9	45.00
Chiropodists														
Cleaning, Dyeing and Pressing	15	54.00	89	387.00	46	183.00	23	106.50	21	102.00	3	9.00	430	1,957.50
Collection Agencies			2	30.00	2	30.00	2	30.00					49	735.00
Dance Halls	2	6.50					2	18.75	1	3.25	7	28.75	122	554.75
Dancing Permits	76	130.00	56	202.00	29	33.00	111	147.00	188	355.00	175	184.00	1,647	2,663.00
Detective Agencies			1	41.65			1	25.00					8	591.65
Dog Breeders	1	5.00			6	33.00	9	46.00	10	57.00	1	6.00	38	207.00
Electric Light and Power													2	600.00
Express Service													1	300.00
Explosives													2	40.00
Firearms and Weapons													5	125.00
Food Products	112	637.50	98	573.00	94	520.50	93	550.50	78	468.00	67	271.50	4,317	25,375.00
Fumigators			3	15.00									4	20.00
Gas for Light and Fuel													1	12.00

DETAIL STATEMENT OF LICENSE RECEIPTS FOR FISCAL YEAR ENDING NOVEMBER 30, 1927—Continued

	June		July		August		September		October		November		Totals	
	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received
Gasoline Service Stations	87	$1,084.00	59	$ 765.00	82	$ 794.00	57	$ 355.00	12	$ 77.00	12	$ 39.00	702	$ 9,653.00
Hawkers, Class No. 1			5	750.00			2	300.00	3	450.00			19	2,850.00
Hawkers, Class No. 2	1	50.00	11	550.00	1	333.35			15	1,000.00			49	2,958.35
Hawkers, Class No. 3													6	300.00
Hospitals	3	6.00	46	92.00	10	20.00	2	4.00	2	4.00	4	8.00	127	254.00
Hotels and Rooming Houses	12	60.00	8	40.00	11	55.00	8	40.00	5	25.00	3	15.00	416	2,080.00
House Movers							1	25.00	3	100.00			10	245.00
Junk Dealers			48	367.50	3	22.50	4	25.00	54	397.50	4	30.00	217	1,622.50
Laundries	5	60.00	21	217.50	12	150.00	10	122.50	22	165.00	4	52.50	163	1,765.00
Mercantile Rating Agencies			2	37.50	2	37.50			2	50.00			14	275.00
Messenger Service					1	100.00	2	200.00	2	200.00			6	600.00
Miscellaneous														
Milk and Cream, Cans or Carts	16	362.50	3	27.50			2	5.00			1	2.50	44	452.50
Milk and Cream, Dairy Wagons	29	640.00	36	760.00	8	160.00	4	61.00					146	5,081.00
Motor Busses			1	923.00			1	923.00	1	105.00			8	3,628.30
Oil Storage	1	80.00	5	83.00					4	83.00			21	415.00
Oil Delivery Trucks	1	110.00	8	670.00			1	110.00	8	650.00	2	40.00	40	3,200.00
Pawn Brokers			7	525.00	3	190.00			1	75.00	3	225.00	32	2,365.00
Peddlers, Class 1, A and B	5	200.00	6	240.00	4	160.00	4	160.00	1	40.00	1	40.00	151	5,885.00
Peddlers, Class 2					1	50.00							2	100 00
Peddlers, Class 3, B			1	15.00	1	5.00	1	5.00	3	103.75	2	5.00	19	310.00
Peddlers, Class 4	9	80.00	5	25.00	9	55.00	1	5.00	9	65.00	2	20.00	52	345.00
Photographers and Solicitors	2	8.35			7	40.00			1	5.00			10	53.35
Plumbers	5	50.00	6	60.00	2	20.00	2	20.00					175	1,750.00
Professional Intelligence													9	340.00
Professional Bondsmen											1	100.00	4	400.00
Pool and Billiard Rooms	19	560.00	46	1,290.00	11	305.00	4	135.00	3	65.00	5	75.00	180	4,870.00
Roller Skating Rinks			1	25.00					1	25.00			5	125.00
Runners			6	30.00					1	10.00			27	160.00
Safe Deposit Vaults			1	10.00									4	50.00
Scavengers	6	35.00	127	587.50	3	15.00	4	20.00	134	705.00	1	5.00	540	2,878.50

DETAIL STATEMENT OF LICENSE RECEIPTS FOR FISCAL YEAR ENDING NOVEMBER 30, 1927—Continued

	June		July		August		September		October		November		Totals	
	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received	No. Issued	Amount Received
Second-Hand Dealers	9	$ 75.00	111	$ 885.00	62	$ 502.50	11	$ 77.50	139	$1,050.00	25	$ 195.00	870	$ 6,377.50
Shooting Galleries							1	8.35	4	94.00			5	102.35
Shows and Exhibits	1	25.00	2	100.00	1	300.00			2	100.00	1	8.35	16	1,348.35
Social Clubs											1	5.00	6	30.00
Soft Drinks, Class B	1	4.00											9	78.00
Solicitors, Photo			1	5.00									9	65.00
Stables					3	6.00	1	2.00	1	2.00			33	69.00
Stereopticon Advertising														
Storage	5	48.90	13	71.90	16	171.50	5	23.00	7	33.90	2	12.50	124	922.40
Street Railway Cars			1	1,550.00					1	1,575.00			4	6,125.00
Street Railway Advertising													1	500.00
Telephone and Telegraph System													3	900.00
Theatres			27	533.94	3	41.75	16	320.36	36	802.44	2	19.65	207	4,405.34
Theatrical Booking Agents	30	688.44			1	13.35							32	741.79
Transient Merchants	2	150.00											2	150.00
Vending Machines	3	150.00			1	50.00			11	264.63	1	50.00	20	714.63
Wharfingers			11	270.00			1	50.00	6	190.00			42	1,400.00
Woodsaws	5	130.00	13	260.00	5	100.00	6	120.00	5	81.00			70	1,411.00
Endless Chain Stores													1	25.00
Photo Studio													1	5.00
Gas Service													1	300.00
Outdoor Advertising	4	800.00											4	800.00
Totals	577	$ 7,279.59	1085	$17,457.67	523	$ 5,385.38	484	$ 5,095.87	932	$12,149.75	390	$ 2,033.68	13,154	$145,420.41
Dogs, Male	232	$ 326.25	102	$ 106.75	233	$ 663.00	2523	$ 7,569.00	2328	$ 6,984.00	585	$ 1,755.00	8,310	$ 23,118.75
Dogs, Female	38	81.00	29	50.50	27	115.00	200	1,000.00	257	1,285.00	107	535.00	1,035	4,550.20
Grand Total	847	$ 7,686.84	1216	$17,614.92	783	$ 6,163.38	3287	$13,664.87	3517	$20,418.75	1082	$ 4,323.68	22,499	$173,089.36

THE BONDED INDEBTEDNESS OF THE CITY OF PORTLAND, OREGON, NOVEMBER 30, 1927, AND THE INTEREST DUE, PAID AND OUTSTANDING

When Issued	Year Due	Term Years	Rate of Int. %	Purpose of Issue	Amount of Bonds	Interest Coupons Outstanding Dec. 1, 1926	Interest Due	Interest Paid	Interest Coupons Outstanding Nov. 30, 1927
				GENERAL BONDS					
May 1, 1903	1928	25	4	To Redeem Outstanding Bonds	$ 56,500.00	$ 20.00	$ 2,260.00	$ 2,280.00	.....
Dec. 1, 1898	1928	30	5	Funding Floating Debt	430,000.00	500.00	21,500.00	21,725.00	$ 275.00
Nov. 1, 1911	1941	30	4	Construction of Jail	200,000.00	680.00	8,000.00	8,320.00	360.00
Mar. 1, 1927	Ser.1937	10	4½	Police Traffic Signal System	100,000.00	.....	2,250.00	2,250.00	.....
July 1, 1911	1936	25	4	Construction of Fireboat	125,000.00	.....	5,000.00	5,140.00	
Aug. 1, 1924	1949	25	4	Construction of Fire Mains	3,500.00	.....	140.00	.....	
Feb. 1, 1919	1929	10	5	Purchase of Property—Delinquent Assm'ts	500,000.00		25,000.00		2,007.50
May 1, 1920	1930	10	5½	Purchase of Property—Delinquent Assm'ts	203,000.00	3,365.00	5,582.50	45,305.00	
July 1, 1926	1946	20	4½	Purchase of Property—Delinquent Assm'ts	297,000.00		13,365.00		
Oct. 1, 1923	1948	25	4	Purchase of Property	30,000.00	.....	1,200.00	1,200.00	.....
Aug. 1, 1927	1952	25	4	Construction of Crematory	125,000.00	.....	.....	.....	.....
Dec. 1, 1919	Ser.1939	20	5	Construction of Fire Houses	38,000.00		1,850.00		
Mar. 1, 1920	Ser.1940	20	5	Construction of Fire Houses	22,000.00	25.00	1,075.00	8,900.00	50.00
Sept. 1, 1921	Ser.1941	20	5	Construction of Fire Houses	24,000.00		1,200.00		
Oct. 1, 1923	Ser.1943	20	5	Construction of Fire Houses	96,000.00		4,800.00		
May 1, 1927	Ser.1937	10	4½	Purchase of Fire Equipment	335,000.00	.....	7,537.50	6,277.50	1,260.00
Dec. 1, 1913	1943	30	4	Construction of Auditorium	35,000.00	40.00	1,400.00	23,860.00	180.00
Mar. 1, 1916	1946	30	4	Construction of Auditorium	565,000.00		22,600.00		
					$3,185,000.00	$ 4,630.00	$ 124,760.00	$ 125,257.50	$ 4,132.50
				NEW WATER BONDS					
Jan. 1, 1909	1934	25	4	Const'n of Add. Pipe Line and Pur. of Prop.	$ 250,000.00		$ 10,000.00		
June 1, 1910	1935	25	4	Const'n of Add. Pipe Line and Pur. of Prop.	500,000.00	$ 120.00	20,000.00	$ 49,740.00	$ 380.00
Sept. 1, 1910	1935	25	4	Const'n of Add. Pipe Line and Pur. of Prop.	500,000.00		20,000.00		
					$1,250,000.00	$ 120.00	$ 50,000.00	$ 49,740.00	$ 380.00

THE BONDED INDEBTEDNESS OF THE CITY OF PORTLAND, OREGON, NOVEMBER 30, 1927, AND THE INTEREST DUE, PAID AND OUTSTANDING—Continued

When Issued	Year Due	Term Years	Rate of Int. %	Purpose of Issue	Amount of Bonds	Interest Coupons Outstanding Dec. 1, 1926	Interest Due	Interest Paid	Interest Coupons Outstanding Nov. 30, 1927
				BRIDGE BONDS					
Jan. 1, 1904	1934	30	4	Construction of Morrison St. Bridge	$ 400,000.00		$ 16,000.00		
Jan. 1, 1909	1939	30	4	Construction of Hawthorne Ave. Bridge	450,000.00		18,000.00		
July 1, 1909	1939	30	4	Construction of Broadway Bridge	250,000.00		10,000.00		
Jan. 2, 1911	1941	30	4	Construction of Broadway Bridge	500,000.00		20,000.00		
Sept. 1, 1911	1941	30	4	Construction of Broadway Bridge	600,000.00	$ 4,840.00	24,000.00	$ 102,140.00	$ 5,580.00
Oct. 1, 1912	1942	30	4	Construction of Broadway Bridge	315,000.00		12,600.00		
June 1, 1913	1943	30	4	Construction of Broadway Bridge	52,000.00		2,080.00		
Nov. 1, 1923	1953	30	4	Construction of Broadway Bridge	5,000.00		200.00		
					$2,572,000.00	$ 4,840.00	$ 102,880.00	$ 102,140.00	$ 5,580.00
				BRIDGE ACCESS BONDS					
April 1, 1924	Ser.1931	7	4¾	Access to Bridges	$ 45,000.00		$ 1,900.00		
May 1, 1925	Ser.1955	30	4½	Access to Bridges	189,000.00		8,505.00		
July 1, 1925	Ser.1955	30	5	Access to Bridges	877,000.00		43,850.00		
Sept. 1, 1926	Ser.1937	11	4½	Access to Bridges No. 2	45,000.00	$ 175.00	2,025.00	$ 78,740.00	$ 215.00
Oct. 1, 1926	Ser.1956	30	4½	Access to Bridges No. 2	500,000.00		22,500.00		
July 1, 1927	Ser.1957	30	4½	Access to Bridges No. 2	616,000.00		.....	.....	.....
					$2,272,000.00	$ 175.00	$ 78,780.00	$ 78,740.00	$ 215.00
				PARK AND BOULEVARD BONDS					
Dec. 1, 1908	1933	25	4	Purchase and Imp. of Parks and Boulevards	$ 500,000.00		$ 20,000.00		
July 1, 1911	1936	25	4	Purchase and Imp. of Parks and Boulevards	250,000.00	$ 120.00	10,000.00	$ 40,080.00	$ 40.00
Oct. 1, 1912	1937	25	4	Purchase and Imp. of Parks and Boulevards	250,000.00		10,000.00		
Nov. 1, 1919	Ser.1939	20	5	Purchase of Property	400,000.00	1,000.00	20,000.00	18,975.00	2,025.00
June 1, 1920	Ser.1940	20	5½	Reconstruction of Parks and Boulevards	176,000.00		9,680.00		
April 1, 1923	Ser.1943	20	5½	Reconstruction of Parks and Boulevards	142,000.00	1,250.00	7,590.00	27,345.00	25.00
Oct. 1, 1924	Ser.1944	20	5	Reconstruction of Parks and Boulevards	177,000.00		8,850.00		
					$1,895,000.00	$ 2,370.00	$ 86,120.00	$ 86,400.00	$ 2,090.00

THE BONDED INDEBTEDNESS OF THE CITY OF PORTLAND, OREGON, NOVEMBER 30, 1927, AND THE INTEREST DUE, PAID AND OUTSTANDING—Continued

When Issued	Year Due	Term Years	Rate of Int. %	Purpose of Issue	Amount of Bonds	Interest Coupons Outstanding Dec. 1, 1926	Interest Due	Interest Paid	Interest Coupons Outstanding Nov. 30, 1927
				FERRY BONDS					
Dec. 1, 1903	1933	30	5	Construction of Free Ferry (Sellwood)	$ 15,000.00	.....	$ 750.00	$ 750.00	.....
Jan. 1, 1904	1934	30	4	Construction of Free Ferry (Albina)	50,000.00	$ 160.00	2,000.00	2,040.00	$ 120.00
					$ 65,000.00	$ 160.00	$ 2,750.00	$ 2,790.00	$ 120.00
				Total General Bonds	11,239,000.00	$ 12,295.00	$ 445,290.00	$ 445,067.50	$ 12,517.50
				PUBLIC UTILITY CERTIFICATES					
July 1, 1924	Ser.1935	11	6	Purchase of Golf Links (Eastmoreland)	$ 90,000.00	$ 150.00	$ 5,400.00	$ 5,520.00	$ 30.00
July 1, 1927	Ser.1937	10	6	Purchase of Golf Links (Rose City)	70,000.00	.....	.....	.....	.....
					$ 160,000.00	$ 150.00	$ 5,400.00	$ 5,520.00	$ 30.00
				PUBLIC DOCKS BONDS					
Apr.21, 1908	1928	20	6	Construction of Dock (St. Johns)	$ 60,000.00				
Nov. 1, 1911	1961	50	4½	Purchase and Construction of Public Docks	50,000.00				
May 1, 1913	1943	30	4½	Constn. Public Docks and Purc. of Prop	1,250,000.00				
Dec. 1, 1913	1943	30	4½	Constn. Public Docks and Purc. of Prop	900,000.00				
Oct. 1, 1914	1939	25	4½	Constn. Public Docks and Purc. of Prop	100,000.00				
May 1, 1915	1945	30	4½	Constn. Public Docks and Purc. of Prop	100,000.00				
Oct. 1, 1917	Ser.1947	30	4½	Construction of Grain Elevator	1,150,000.00	Accounts	kept by Co	mmission of	Public
Oct. 1, 1918	Ser.1948	30	4½	Construction of Grain Elevator	790,000.00	Docks.	Not in City	's General B	ooks.
Jan. 3, 1922	Ser.1952	30	5	Construction of Grain Elevator	170,000.00				
May 1, 1919	Ser.1949	30	4½	Development of Harbor	1,050,000.00				
Feb. 2, 1920	Ser.1950	30	4½	Development of Harbor	650,000.00				
July 1, 1920	Ser.1950	30	5	Development of Harbor	860,000.00				
Nov. 1, 1920	Ser.1950	30	5	Development of Harbor	1,720,000.00				
Sept. 1, 1922	Ser.1952	30	4½	Construction of Grain Elevator	300,000.00				
					$9,150,000.00				

THE BONDED INDEBTEDNESS OF THE CITY OF PORTLAND, OREGON, NOVEMBER 30, 1927, AND THE INTEREST DUE, PAID AND OUTSTANDING—Continued

When Issued	Year Due	Term Years	Rate of Int. %	Purpose of Issue	Amount of Bonds	Interest Coupons Outstanding Dec. 1, 1926	Interest Due	Interest Paid	Interest Coupons Outstanding Nov. 30, 1927
				WATER BONDS					
May 1, 1915	Ser.1934	20	5½	Construction of Water System (Linnton)	$ 34,000.00	$ 935.00	$ 1,787.50	$ 2,722.50	.....
July 1, 1923	Ser.1953	30	4½	Refunding	2,200,000.00	337.50	99,000.00	99,225.00	$ 112.50
Jan. 1, 1911	1936	25	4	Con. of Add. Pipe Line and Pur. of Prop	500,000.00		20,000.00		
Mar. 1, 1911	1936	25	4	Con. of Add. Pipe Line and Pur. of Prop	500,000.00		20,000.00		
Oct. 1, 1911	1936	25	4	Con. of Add. Pipe Line and Pur. of Prop	500,000.00		20,000.00		
Mar. 1, 1912	1937	25	4	Con. of Add. Pipe Line and Pur. of Prop	500,000.00		20,000.00		
Nov. 1, 1912	1937	25	4	Con. of Add. Pipe Line and Pur. of Prop	250,000.00		10,000.00		
June 1, 1913	1938	25	4	Con. of Add. Water Mains and Pur. of Prop	242,000.00		9,680.00		
Aug. 1, 1913	1938	25	4	Con. of Add. Water Mains and Pur. of Prop	75,000.00		3,000.00		
Sept. 1, 1913	1938	25	4	Con. of Add. Water Mains and Pur. of Prop	250,000.00		10,000.00		
Nov. 1, 1913	1938	25	4	Con. of Add. Water Mains and Pur. of Prop	22,000.00		880.00		
Dec. 1, 1913	1938	25	4	Con. of Add. Water Mains and Pur. of Prop	285,000.00		11,400.00		
Feb. 2, 1914	1939	25	4	Con. of Add. Water Mains and Pur. of Prop	175,000.00		7,000.00		
Dec. 1, 1914	1939	25	4	Con. of Add. Water Mains and Pur. of Prop	135,000.00	20,960.00	5,400.00	547,400.00	23,720.00
Mar. 1, 1915	1940	25	4	Con. of Add. Water Mains and Pur. of Prop	460,000.00		18,400.00		
April 1, 1916	1941	25	4	Con. of Add. Water Mains and Pur. of Prop	125,000.00		5,000.00		
April 1, 1917	1942	25	4	Con. of Add. Water Mains and Pur. of Prop	75,000.00		3,000.00		
Feb. 1, 1919	1944	25	4	Con. of Add. Water Mains and Pur. of Prop	100,000.00		4,000.00		
July 1, 1921	1946	25	4	Con. of Add. Water Mains and Pur. of Meters	500,000.00		20,000.00		
Dec. 1, 1921	1946	25	4	Con. of Add. Water Mains and Pur. of Meters	200,000.00		8,000.00		
Mar. 1, 1922	1947	25	4	Con. of Add. Water Mains and Pur. of Meters	300,000.00		12,000.00		
Mar. 1, 1923	Ser.1953	30	4	Construction and Extension of Water Mains	500,000.00		20,000.00		
Oct. 1, 1923	Ser.1953	30	4	Construction and Extension of Water Mains	500,000.00		20,000.00		
April 1, 1924	Ser.1954	30	4	Construction and Extension of Water Mains	1,000,000.00		40,000.00		
May 1, 1924	Ser.1954	30	4	Purchase of Property	60,000.00		2,400.00		

THE BONDED INDEBTEDNESS OF THE CITY OF PORTLAND, OREGON, NOVEMBER 30, 1927, AND THE INTEREST DUE, PAID AND OUTSTANDING—Continued

When Issued	Year Due	Term Years	Rate of Int. %	Purpose of Issue	Amount of Bonds	Interest Coupons Outstanding Dec. 1, 1926	Interest Due	Interest Paid	Interest Coupons Outstanding Nov. 30, 1927
				WATER BONDS—Continued					
Sept. 1, 1924	Ser. 1954	30	4	Construction and Extension of Water Mains	$1,000,000.00		$ 40,000.00		
Nov. 1, 1924	Ser. 1954	30	4	Construction and Extension of Water Mains	1,500,000.00		60,000.00		
May 1, 1925	Ser. 1955	30	4	Construction and Extension of Water Mains	1,000,000.00		40,000.00		
Oct. 1, 1925	Ser. 1955	30	4	Construction and Extension of Water Mains	500,000.00		20,000.00		
Mar. 1, 1926	Ser. 1956	30	4	Construction and Extension of Water Mains	2,000,000.00		80,000.00		
April 1, 1927	Ser. 1957	30	4	Construction and Extension of Water Mains	1,000,000.00		20,000.00		
Oct. 1, 1927	Ser. 1957	30	4	Construction and Extension of Water Mains	1,000,000.00		.....		
				Total Water Bonds	17,488,000.00	$ 22,232.50	$ 650,947.50	$ 649,347.50	$ 23,832.50
						Included in amount on previous page		Included in amount on previous page	Included in amount on previous page
				Grand Total	38,037,000.00	$ 34,677.50	$1,101,637.50	$1,099,935.00	$ 36,380.00

Less Bonds Redeemed:

Fire Department Construction Bonds	$ 9,000.00
Playground Bonds	20,000.00
Reconstruction Bonds	21,000.00
Bridge Access Bonds	10,000.00
Utility Certificates	10,000.00
Dock Bonds	270,000.00
Water Bonds (Linnton)	3,000.00
Assessment Collection Bonds	203,000.00
	$ 546,000.00
Total Bonded Debt	37,491,000.00

Improvement Bonds outstanding November 30, 1927, issued on account of Street Improvements, Sewers and Street Extensions and not a part of the limitation by law as to indebtedness, $6,642,739.39.

SUMMARY OF BONDED INDEBTEDNESS NOVEMBER 30, 1927

*General bonded debt	$10,976,000.00	
Dock bonded debt	8,880,000.00	
**Water bonded debt	17,485,000.00	
Public utility certificates	150,000.00	
Improvement bonds	6,642,739.39	
Total bonds outstanding	.....	$44,133,739.39
Sinking Funds—		
General bonds, investment account	$ 1,101,154.38	
General bonds, cash account	124,183.47	
Dock bonds, investment account	914,850.00	
Dock bonds, cash account	59,497.85	
Water bonds, investment account	2,690,399.02	
Water bonds, cash account	97,133.49	
Improvement Bond Sinking Fund, cash account	149,641.52	
Improvement Bond Sinking Fund, investment account	7,439.01	
		5,144,298.74
Net indebtedness	.....	$38,989,440.65
Payable from General Taxation—		
General bonds $10,976,000.00		
Less Sinking Fund 1,225,337.85		
Net general bonds outstanding	$ 9,750,662.15	
Payable from Revenue and Taxation—		
Dock bonds $ 8,880,000.00		
Less Sinking Fund 974,347.85		
Net dock bonds outstanding	7,905,652.15	
Payable from Water Revenue—		
Water bonds $17,485,000.00		
Less Sinking Fund 2,787,532.51		
Net water bonds outstanding	14,697,467.49	
Payable from assessments against private property and not a part of the limitation by law as to indebtedness—		
Improvement bonds $ 6,642,739.39		
Less Sinking Fund 157,080.53		
	6,485,658.86	
Public utility certificates	150,000.00	
	$38,989,440.65	$38,989,440.65

* Of this amount the sum of $2,697,000, as provided by Charter Amendments is not included in our debt limit.

** Principal and interest of $1,250,000 water bonds issued during 1909-1910 are payable from general taxation and are not included in this amount.

AMOUNT TO BE RAISED BY TAXATION FOR CITY PURPOSES, 1926 AND 1927, AS FOLOWS

	1926	1927
General Fund	$ 3,210,508.00	$ 3,540,312.00
Bonded Indebtedness Interest Fund	454,100.00	530,370.00
Sinking Fund	282,392.00	340,154.00
Playgrounds and Parks Fund	126,265.00	101,539.00
Special Bridge Fund	17,203.00	162,462.00
Firemen's Salary Increase Fund	.....	232,185.00
Policemen's Salary Increase Fund	.....	169,908.00
Firemen's Relief and Pension Fund	32,134.00	33,846.00
Policemen's Relief and Pension Fund	32,134.00	33,846.00
Public Docks Fund	681,637.00	778,462.00
Total	$ 4,836,373.00	$ 5,923,084.00
Assessed Valuation for City—		
Real estate	$154,255,100.00	$158,081,285.00
Improvements	78,381,245.00	87,709,835.00
Personal Property	55,513,680.00	54,217,640.00
Public service corporations	36,400,425.00	38,453,660.00
	$324,550,450.00	$338,462,420.00
Assessed valuation for County, including City	351,527,800.00	367,298,350.00

Property assessed by County Assessor at 75 per cent of cash value on land and 50 per cent cash value on buildings.

Population 1927, estimated, 350,000.

The City has never defaulted in payment of principal or interest on any of its bonds.

INVENTORY OF CITY PROPERTY—REAL PROPERTY
BUREAU OF PARKS

Name	Location	Area in Acres	Value of Improvements	Value of Land
Alberta	E. 19th and Killingsworth	16.70	$ 5,500.00	$ 33,425.00
Benson and Multnomah Falls	Columbia Highway	760.00	46,000.00	74,000.00
Belmont	E. 17th and Taylor	4.38	7,500.00	57,900.00
Buckman	E. 12th and Davis Sts.	9.60	3,700.00	102,700.00
Columbia	Lombard and Woolsey Sts.	28.15	5,925.00	40,253.00
Creston	E. 44th and Powell St.	10.00	19,500.00	12,640.00
Crown Point	Columbia Highway	.09	.....	2,500.00
Dawson	Stanton and Williams Ave.	2.00	4,000.00	21,930.00
Duniway	6th and Sheridan Sts.	12.50	6,500.00	115,000.00
Eastmoreland Golf Links	Bybee Ave. and Crystal Springs	148.00	19,500.00	162,500.00
E. 21st St. Bridge	E. 21st and Pacific Sts.	.58	.....	1,750.00
Forestry Bldg.	28th and Upshnr Sts.	1.89	.....	14,000.00
Fulton	Slavin Rd. and Terwilliger Blvd.	34.10	.....	17,500.00
Gammans	Buffalo and Burrage Sts.	1.65	.....	4,500.00
Governors	21st and Spring Sts.	4.21	.....	17,000.00
Holladay	E. 11th and Holladay Ave.	4.86	4,000.00	80,000.00
Irving	E. 7th and Fremont Sts.	15.00	5,950.00	58,666.00
Johnson Creek	E. 21st and Clatsop Sts.	2.84	1,000.00	3,715.00
Kenilworth	E. 34th and Holgate Sts.	9.00	3,000.00	15,300.00
Ladd's Circle and Squares	Ladd's Addition	1.62	.....	10,000.00
Laurelhurst	E. 39th and Stark Sts.	31.10	17,700.00	130,082.00
Laurelwood	64th Ave. and Foster Road	.22	.....	11,178.00
Lents	92nd St. and 53rd Ave., S. E.	5.20	5,000.00	7,500.00
Linnton	Linnton	1.25	3,500.00	1,000.00
Macleay	Cornell Road	103.34	1,000.00	75,000.00
Madrona	Greeley Extension	9.00	.....	9,000.00
Montavilla	E. 82nd and Glisan Sts.	10.00	10,500.00	13,333.00
McLaughlin	Columbia Highway	80.00	.....	8,000.00
Mt. Scott	72nd St. and 55th Ave., S. E.	11.13	5,000.00	37,750.00
Mt. Tabor	E. 69th St. and Belmont St.	178.30	10,000.00	258,800.00
Mt. Tabor Nursery	E. 65th and Division Sts.	20.50	18,150.00	100,000.00
North Park	Couch Addition	2.53	26,350.00	550,000.00
Overlook	Foot of Fremont St.	7.80	.....	27,750.00
Overlook Triangle	Block 120, Overlook	.01	.....	50.00
Pier	St. Johns Ave.	65.00	10,500.00	43,333.00
Patton	Part of Block "B," Patton	1.03	.....	3,600.00
Powell	E. 26th and Powell Sts.	9.10	7,500.00	26,850.00
Peninsula	Albina and Portland Blvd.	16.50	47,100.00	60,000.00
Plaza Blocks	4th and Main Sts.	1.84	1,600.00	425,000.00
Rose City Golf Links	E. 62ud and Thompson	150.00	5,200.00	110,000.00
Riverside	Macadam Road	12.00	.....	22,500.00
South Park Blocks	Park, Salmon to Clifton	4.92	.....	800,000.00
Sellwood Park	E. 7th to Miller Ave.	16.00	18,675.00	54,000.00
Sellwood Community Building	E. 15th and Spokane Ave.	.25	6,000.00	2,000.00
Shepherds Dell	Columbia Highway	10.03	.....	1,000.00
Terwilliger Blvd.	6th and Sheridan Sts.	74.08	1,200.00	250,000.00
Terwilliger Park	Lowell and Corbett Sts.	4.53	1,500.00	25,000.00
U. S. Grant	E. 33rd and Thompson Sts.	29.11	35,000.00	58,925.00
Washington	Head of Washington	101.90	71,950.00	180,000.00
West Hills Golf Links	Canyon Road	205.00	2,800.00	61,500.00
Woodstock	53rd Ave. and 48th St., S. E.	15.00	6,100.00	17,342.00
Wallace Park	27th and Raleigh Sts.	2.40	5,000.00	44,334.00
			$ 470,400.00	$4,252,106.00

BUILDINGS AND IMPROVEMENTS ON PROPERTY NOT OWNED BY CITY

Comfort Stations	6th and Yamhill Sts		$ 13,000.00	
	4th and Yamhill Sts		3,500.00	
	2nd and Washington Sts		3,500.00	
Totals			$ 20,000.00	
Grand Tota's			$ 490,400.00	$4,252,106.00

INVENTORY OF CITY PROPERTY—REAL PROPERTY—Continued

BUREAU OF FIRE

Name	Location	Size of Lot Feet	Value of Improvement	Value of Land
Albina Homestead	E. S. Vancouver Ave. between Failing and Beech Sts	50x100		$ 1,000.00
Albina	303 Russell St	50x145	$ 15,000.00	3,335.00
Blk. E. ½ "Z" Portland	494 Montgomery St	80x100	14,000.00	7,735.00
Caruthers	811 Front St	50x100	11,000.00	2,870.00
Couch	126 N. 3rd St	50x 88	14,000.00	13,000.00
Couch Add	511 Glisan St	50x100	12,500.00	8,670.00
Couch Add	329 20th St., N	50x100	2,400.00	3,335.00
East Irvington	448 E. 24th St., N	100x100	7,000.00	2,700.00
Fire Boat House and Dock	Foot of E. Washington St	60x300	31,000.00	29,600.00
Fire Boat House and Dock	Foot of Albina		32,500.00	25,000.00
Frush's Square	40 E. 3rd St	50x100	8,000.00	6,000.00
Green's Add	1334 Kelley St	60.65x100	12,500.00	500.00
Grover's Add	590 Spring St	50x100	12,112.00	2,650.00
Holladay Add	227 Union Ave	25x 50	1,800.00	1,335.00
Holladay Add	261 Grand Ave	50x100	7,200.00	3,335.00
Kenilworth	1000 Francis Ave	100x100	16,000.00	1,135.00
Kenton	1711 Brandon	100x100	8,000.00	735.00
Kern Park	4536 67th St., S. E	100x100	10,899.50	935.00
Kings 2nd Add	188 N. 24th St	50x100	12,000.00	4,800.00
James John Add., etc	214 Philadelphia	235x130	5,000.00	2,250.00
Linnton	Linnton, 1st and D	25x100	750.00	540.00
Maegly Highland	1027 Union Ave	50x100	11,000.00	2,535.00
Multnomah	359 Mississippi	50x100	800.00	2,000.00
Patton Tract	1126 Patton Ave	100x100	15,000.00	6,775.00
Portland	168-170 Fourth St	50x100	7,000.00	99,000.00
Portland	370 Fourth St	50x100	15,000.00	6,135.00
Portland	69 Second St	25x100	16,000.00	11,335.00
Portland	273 First St	25x100	15,000.00	10,700.00
Portland	201-3 Fourth St	50x100	50,000.00	48,000.00
Proebstel's Add	W. S. Borthwick St. between Knott and Graham Sts	50x100		840.00
Ramona	1597 E. Stark St	100x100	9,000.00	1,500.00
Richmond	S. Side Division between 39th and 41st Sts	100x100		1,400.00
Rose City Park	1494 Sandy Road	100x100	8,000.00	1,470.00
Scenic Place	N. Side Lombard St. between Fowler and Washburn	Irreg. Tri. 100x100		630.00
Sellwood	1660 E. 13th St	50x100	11,000.00	2,100.00
Sherlock's Add	23rd and Reed Sts	25x100	11,000.00	3,470.00
Stevens Add	367 E. 7th St	33 1/3x100	7,000.00	750.00
Sunnyside	162 E. 35th St		15,000.00	1,935.00
Sunnyside	N. W. Cor. E. Taylor and E. 34th Sts	7,250sq.ft. 100x100	8,400.00	2,235.00 550.00
Terrace Park	30 E. 82nd St., N			
Willamette Add	S. E. Cor. Alberta and E. 35th Sts., N	100x100	8,000.00	870.00 Lease
Woodlawn Triangle	426 Durham Ave			370.00
Woodstock	S. W. Cor. 59th Ave. and E. 43rd St., S. E	50x100 50x100	11,000.00	1,300.00
Wynkoop	63 E. 28th St., N	50x100	3,000.00	640.00
I. S.–IE	545 Powell St	0.35 Acres		4,000.00
I. N.–IE	Essex St	45x104		18,000.00
Parcel of Land	S. W. Cor. Ella and Morrison Sts	100x100	33,314.35	8,500.00
E. Portland	L. 7-8, Blk. 221			
Totals			$ 488,175.85	$ 358,500.00

INVENTORY OF CITY PROPERTY—REAL PROPERTY—Continued

PUBLIC WORKS CONSTRUCTION

Name	Location	Value of Improvement	Value of Land
	BRIDGES		
Alexander Ave	Gordon to Mayfair	$ 21,404.00	
Bybee Ave	S. P. Railway	11,760.00	
Columbia Slough Channel	Drainage Canal	2,839.00	
Eighty-Second St., E	Sullivan Gulch	25,850.00	
First St	Marquam Gulch	18,664.00	
Forty-Second St., E	Sullivan Gulch	110,393.00	
Fifty-Third St., E	Sullivan Gulch	28,129.00	
Front St	Marquam Gulch	23,682.00	
Grand Ave	Sullivan Gulch	39,002.00	
Halsey St	Sullivan Gulch	60,994.00	
Holgate St	E. 18th to E. 24th St	37,231.00	
Sandy Blvd	Sullivan Gulch	83,355.00	
Seventy-Fourth St., E	Sullivan Gulch	40,258.00	
Sixtieth St., E	Sullivan Gulch	70,510.00	
Thurman St	Balch Gulch	11,917.00	
Twelfth St., E	Sullivan Gulch	31,510.00	
Twenty-Eighth St., E	Sullivan Gulch	13,280.00	
Twenty-First St., E	Sullivan Gulch	45,614.00	
Union Ave	Sullivan Gulch	27,993.00	
Union Ave	O.-W. R. R. & N. (S. of Col. Blvd.)	27,483.00	
E. Thirty-Third St	Sullivan Gulch	39,410.00	
Vista Ave	Canyon Road	174,773.00	
Total		$ 946,051.00	
	WILLAMETTE RIVER BRIDGES		
	Morrison St	$ 89,923.00	
	Hawthorne Ave	262,911.00	
	Broadway	906,812.00	
	Total	$1,259,646.00	
	Total Bridges	2,205,697.00	
	FERRY LANDINGS		
	Old Albina, a parcel of land 60 ft. wide lying S. E. of and adjoining to River, Lot 9, Albina		$ 11,000.00
	New Albina, the S. E. ¼ 65 ft. of Lot 9, Albina River Lots		12,000.00
	The North 60 ft. of Lot 21, and South 5 ft. of Lot 22, Block 2, Doscher's Add		20,000.00
	Total Ferry Landings		$ 43,000.00
Lots 12, 13, 14 and 15, Blk. 14, Proebstel's Add	Stanton Yards	$ 12,784.00	$ 10,000.00

INVENTORY OF CITY PROPERTY—REAL PROPERTY—Continued

Name	Location	Area in Acres	Value of Improvement	Value of Land
	PUBLIC AFFAIRS—STREET CLEANING			
Davenport Tract, Lots 5-8-9-10-11-12 in Block No. 1	16th, 17th and Madison Sts	.75	$ 50,000.00	$ 20,000.00
Holladay Add. Lots 1-2-7-8 in Block 251	E. 6th and 7th and Hancock Sts	.50	10,565.00	11,425.00
Brooklyn Barn	Powell and Milwaukie Sts	.50	25,000.00	5,000.00
	Total—Bur. of Street Cleaning		$ 85,565.00	$ 36,425.00
	PUBLIC SAFETY—POLICE			
Police Station	Lots 3 and 4, Block 30	.22	$ 285,000.00	$ 95,000.00
Old Albina Police Sta.	N. E. 25 ft. Lots 3 and 4, Block 56, Albina	.057		2,100.00
St. Johns Police Sta.	Block 1, James John Addition	.75	2,000.00	2,500.00
Linnton Station	Lots 5 and 6, Block 46, Linnton	.25	2,000.00	500.00
Precinct No. 2	Lots 7 and 8, Block 139, E. Portland	.229	39,986.00	10,014.00
	Total—Bureau of Police		$ 328,986.00	$ 110,114.00
	PUBLIC UTILITIES—HEALTH			
Infantile Paralysis Hos.	Kelly Butte		$ 546.52	
Former Site Smallpox Hospital	Tract D. Sec. 5, T. 1 S., R. 1 E., W. M.	3.00		$ 913.00
Isolation Hospital	Kelly Butte		59,756.63	
	Total—Bureau of Health		$ 60,303.15	$ 913.00
	PUBLIC AFFAIRS—GARBAGE DISPOSAL			
Garbage Incinerator and Dumping Ground	25th St. and Gnilds Lake, Sec. 29	5.00		$ 59,000.00
Private Roadway, 20x388 ft. Belgian Blk. Pvd.	From 25th and Nicolai St. to Viaduct of Incinerator	20x388'	$165,000.00	5,000.00
The J. E. Forestel Property	Sec. 29 on Guild's Lake adjoining Incinerator on the Northwest	9.00		23,500.00
The Fred E. Honel Property	Sec. 29 Guild's Lake adjoining the Incinerator on the North	1.00		2,500.00
	Total—Bur. of Garbage Disp.		$ 165,000.00	$ 90,000.00
	CITY HALL			
City Hall Building	4th, 5th, Madison and Jefferson Sts.	1.00	$ 500,000.00	$ 200,000.00
	PUBLIC AUDITORIUM			
Auditorium Building	2nd, 3rd, Clay and Market Sts	1.00	$ 600,000.00	$ 150,000.00
	MUNICIPAL GARAGE			
Municipal Garage	4th and Market Sts	.25	$ 25,000.00	$ 30,000.00
	MUNICIPAL PAVING PLANT			
Paving Plant	River and Essex St	1.2	$ 27,700.00	$ 42,998.26

INVENTORY OF CITY PROPERTY—REAL PROPERTY—Continued

BUREAU OF WATER WORKS

Name	Location	Area in Acres	Value of Land	Buildings and Improvements
Headworks Vicinity and Transmission Lines	Clackamas and Multnomah Cos.	.....	$ 314,855.45	$ 577,521.59
Camp Butte Resv. Site	Wilson Farm Gresham	550.	135,000.75	4,913.40
Lusted Standpipe	N. ½ S. E. ¼ S. E. ¼ Sec. 16, T. 1 S., R. 4 E., W. M.	.05	175.00	.....
Whitwood Court Pump	Lot 1, Block 24, Whitwood Ct.	.60	84.00	156.82
Vernon Standpipe	E. 19th and Prescott Sts.	1.97	9,028.07	2,597.86
Portland Ht. Tank	Lots 6, 7, Part 5, Blk. K, Greenway	.53	6,239.87	5,704.24
St. Johns Stp. Site	Willamette Blvd. and Erie	.41	2,473.59	2,422.55
Upper Linnton Res.	Part Blk. 20, Linnton 1st Addn.	.07	55.86	22.83
Upper Whitwood Res.	Whitwood Court	.23	111.73	792.00
Lower Whitwood Res.	Whitwood Court	.23	446.90	455.07
Council C. Standpipe	Council Crest	.23	1,996.09	185.08
Will. Hts. Tank	Tax Lot 26, Sec. 29, Will. Hts.	.06	111.73	40.00
Burlingame Stp	Lots 3, 4, Block 32, Burlingame.	.23	222.72	.....
Fulton Park Pump	Virginia and Nevada Sts.	.05	612.48	3,550.87
Kings Hts. Res	Lots 1, 2, Block 21, Kings Hts. Addn.	.20	501.08	.....
Willalatin Park	Willalatin and Cornell Rd.	.23	55.68	.....
Upper Willbridge	Upper Willbridge, Linnton	.13	55.68	.....
Lower Willbridge	Lower Willbridge, Linnton	.22	83.52	510.00
Reservoir No. 1	Mt. Tabor Park	5.82	9,721.73	29.80
Reservoir No. 2	E. 60th and Division	10.	37,029.30	.....
Reservoirs Nos. 5 and 6	Mt. Tabor Park	45.17	153,035.41	1,918.80
Reservoirs Nos. 3 and 4	Washington Park	63.10	196,750.85	19,333.37
Portland City Homestead Standpipe	Lot 5, Block 67, Homestead Addition	.....	455.00	592.65
Submerged Pipe	Right-of-Way	.....	10,575.62	.....
Albina Water Office	Parts Lots 6-7, Blk. 26, Albina	.....	3,171.00	38,659.58
Albina Storage Yard and Office	Blocks 94-96, Albina	.....	81,741.10	159,441.18
Old E. Side Pump Site	Milwaukie and Powell St.	.....	17,618.66	3,640.00
Patton "M" Addn	Emerson Int. Ave.	.....	9,000.00	.....
Willamette Hts. Tank	Near Cornell Rd. and Fall St.	.23	100.00	.....
Graves Addn	19th and Spring Sts.	.02	350.00	.....
Caruthers Add. Resv.	Block 32, Caruthers Addn.	.92	29,137.30	3,206.83
Old Pump House Site	Foot Lincoln St.	.50	12,500.00	.....
Old St. Johns Pump Site	Lots 1, 2, 7, 8, Block 14, Johns No. 2 Addn.	.46	1,457.50	.....
Old Tank Site	Lot 24, Block 1, Pomona Addn.	.074	250.00	.....
Old Tank Site	51st Ave., near 92nd St.	.013	125.00	.....
Highland Tank Site	Lot 4, Block 6, Meagley Highland	.115	1,800.00	.....
Old Tank Site	Lot 5, Block 22, Saginaw Hts.	.10	400.00	.....
Lower Linnton Pump House	In Street	.....	.....	396.00
Washington Park	.....	.....	.....	2,468.56
Division St. Office	.....	.....	.....	7,078.65
St. Johns Shop	.....	.....	.....	138.11
Intangible Assets, Righ	ts-of-Way, Easements, etc.	.....	53,980.99	.....
Conduits, Water Mains, Reservoirs, etc	Hydrants, Meters, Services, ...	.....	.....	21,768,410.33
Bear Creek Dam and Si	te Improvements	.....	$1,091,329.66	$22,595,186.17
Total—Bureau of W	ater Works	.....	.....	827,295.53
		.....	$1,091,329.66	$23,422,481.70

THE COMMISSION OF PUBLIC DOCKS INVENTORY OF PLANT AND REAL ESTATE NOVEMBER 30, 1927

	Plant	Real Estate
Municipal Terminal No. 1	$ 1,077,842.08	$ 1,310,945.31
Municipal Terminal No. 2	293,102.34	355,562.47
Municipal Terminal No. 3	58,423.14	41,118.40
Municipal Terminal No. 4	5,721,051.30	204,945.71
Municipal Street Railway	63,537.96	
Motor boat landing, Stark Street	46,241.83	
Motor boat landing, Woodward Avenue	4,740.27	
Public levee, Jefferson Street	.....	655.00
Ferry landing, Albina	.....	10.00
	$ 7,264,938.92	$ 1,913,236.89

INVENTORY OF CITY PROPERTY NOVEMBER 30, 1927

	Personal Property	Real-Estate and Improvements
Auditor's Office	$ 9,888.18	
Street improvement and sewer warrants surrendered to the City for General Fund warrants by authority of the Council, face value	106,575.40	
Ten per cent warrants drawn in favor of City, on cost of black top pavement laid by Paving Plant	1,325.82	
Mayor's Office	1,113.50	
Board of Motion Picture Censors	316.00	
Municipal Court	908.80	
Office of City Attorney	8,167.10	
Bureau of Police	49,660.00	$ 439,100.00
Nuisance Division	390.75	
Commissioner of Finance	220.50	
Municipal Reference Library	1,956.60	
Bureau of City Hall	3,138.00	700,000.00
Bureau of Licenses	2,105.25	
Bureau of Purchases	655.95	
Municipal Garage	1,977.80	55,000.00
Municipal Store	698.24	
Treasurer's Office	9,984.94	
Stationery rotary account	3,119.53	
Stores rotary account	10,384.25	
Garage rotary account	430.23	
Bureau of Parks	95,266.21	4,742,506.90
Commissioner of Public Affairs	432.15	
Public Market	107.50	4,900.00
Bureau of Public Employment	80.00	
Bureau of Garbage Disposal	16,730.68	255,000.00
Bureau of Street Cleaning	56,383.12	121,990.00
Bureau of Fire	581,147.34	846,675.85
Municipal Shop	15,352.86	
Department of Public Works	92,029.59	
Maintenance stock account	4,786.03	22,784.00
Commissioner of Public Utilities	488.50	
Bureau of Weights and Measures	1,449.25	
Bureau of Health	14,851.75	61,216.15
Civil Service Board	1,586.50	
City Planning Commission	1,250.40	
Public Auditorium	13,998.80	750,000.00
Bureau of Water Works	429,980.39	24,583,569.54
Municipal Paving Plant	37,533.87	70,698.26
Ferry approaches	.....	43,000.00
Bridges	.....	2,205,697.00
Commission of Public Docks	120,545.68	9,178,275.81
Tax title property	.....	1,243,566.42
Totals	$ 1,697,017.46	$45,323,979.03

STATEMENT OF ASSETS AND LIABILITIES NOVEMBER 30, 1927

Assets		
Personal property	$ 1,697,017.46	
Real estate and improvements	45,323,979.03	
Cash balances in all funds, except trust funds and special assessment funds	2,873,391.15	
Cash rotary accounts	3,270.00	
Investment Accounts—		
Water Bond Sinking Fund	2,787,532.51	
Sinking Funds	1,221,337.85	
Broadway Bridge Fund	4,000.00	
Public Docks Sinking Fund	974,347.85	$54,884,875.85
Liabilities		
Bonded debt	$37,341,000.00	
Interest coupons due December 1, 1927	55,680.00	
Interest coupons outstanding November 30, 1927	36,326.00	
Claims payable	749,211.05	
Warrants outstanding November 30, 1927	672,016.66	
Short term loans	262,000.00	
Surplus	15,768,642.14	$54,884,875.85

FRANCHISE ACCOUNTS

Pacific Telephone & Telegraph Co.—		
Amount due under the provisions of Ordinance 12590 and 35096		$15,000.00
Amount paid to City during 1927		$15,000.00
Portland Electric Power Co.—		
Amount due under provisions of Ordinance 13089, 13177, 19176, 26080, 26648, 29238, 41779, 47807, 47808; St. Johns Ordinance 312 and 508		$58,618.42
Amount paid to City during 1927		$58,618.42
Oregon Electric Railway Co.—		
Amount due under provisions of Ordinance 15428, 22539, 25998		$ 6,785.00
Amount paid to City during 1927		$ 6,785.00
United Railways Co.—		
Amount due under provisions of Ordinance 30132—5 per cent gross earnings		$ 1,408.35
Amount paid to City during 1927		$ 1,408.35
Oregon-Wash. R. R. & Nav. Co.—		
Amount due under provisions of Ordinance 20479, 23256, 23257, 24198; St. Johns Ordinance 388, 572		$ 257.00
Amount paid to City during 1927		$ 257.00
Oregon & California R. R. Co.—		
Amount due under provisions of Ordinance 26511, 26512		$ 2,500.00
Amount paid to City during 1927		$ 2,500.00
Spokane, Portland & Seattle Ry. Co.—		
Amount due under provisions of Ordinance 26513		$ 500.00
Amount paid to City during 1927		$ 500.00
Central Heating Co—		
Amount due under provisions of Ordinance 22540		$ 50.00
Amount paid to City during 1927		$ 50.00
Heights Trust Co.—		
Balance due under provisions of Ordinance 21735 for prior year	$ 3,190.00	
Amount due during 1927	500.00	$ 3,690.00
Balance due November 30, 1927		$ 3,690.00

FRANCHISE ACCOUNTS—Continued

Northwestern Electric Co.—		
Amount due under provisions of Ordinance 25930, 27160; 3 per cent of gross revenue on light and heat for year 1926		$62,462.09
Amount paid to City during 1927		$62,462.09
Portland Central Heating Co.—		
Amount due under provisions of Ordinance 25997		$ 5.00
Amount paid to City during 1927		$ 5.00
Erroll Heights Ry. Co.—		
Balance due under provisions of Ordinance 27235 for prior years	$ 1,468.00	
Amount due during 1927	146.80	$ 1,614.80
Balance due November 30, 1927		$ 1,614.80
Portland Gas Co.—		
Amount due under provisions of St. Johns Ordinance 237		$ 100.00
Amount paid to City during 1927		$ 100.00
Linnton Transit Co.—		
Amount due under provisions of Ordinance 40896		$ 100.00
Amount paid to City during 1927		$ 100.00

PORTLAND ELECTRIC POWER COMPANY GENERAL BALANCE SHEET
QUARTER ENDING MARCH 30, 1927

CAPITAL ACCOUNT

Debit		Credit	
Stocks and bonds of other companies owned by respondent (give detail)	$ 489,359.81	Capital stock	$ 33,858,780.00
Unpaid subscriptions to capital stock	236,804.21	Funded debt	75,373,000.00
Bonds in treasury	22,436,400.00	Paving assessments	261,652.85
Stock in Treasury	297,800.00	Employes funds	1,521.33
Advance to affiliated companies	1,183,515.65	Customers deposits	88,840.49
Prepaid accounts	60,402.87	Tickets outstanding	75,134.99
Other investments	14,882.29	Line extension deposits.	75,277.67

ASSETS AND LIABILITIES

Debit		Credit	
Cash	$ 676,753.97	Loans and bills payable.	$ 11,000.00
Bills receivable	135,415.81	Audited vouchers and accounts	444,402.22
Accounts receivable	857,626.71	Unpaid dividends	50,244.29
Plant property and equipment	79,624,688.43	Matured interest coupons unpaid	79,156.00
Material and supplies..	783,493.31	Miscellaneous	181,607.22
Bond discount	2,579,095.23	Deposits account real estate sales	44,496.36
Sinking Fund investments	7,372,200.00	Interest accrued	936,404.85
Cash in Sinking Funds uninvested	322,850.65	Taxes accrued	1,501,175.45
Cash in hands of Trustees	79,156.00	Operating reserves	470,099.47
Special deposits	7,937.72	Insurance and casualty reserves	49,133.51
Suspense	260,030.97	Depreciation reserve	2,666,358.34

INCOME ACCOUNT

Debit		Credit	
Operating expenses	$ 1,661,968.91	Operating revenue	$ 3,129,840.21
Taxes accrued	352,473.76		
Miscellaneous rents	831.20		
Bridge rentals	24,304.20		
Interest on funded debt.	588,414.69		
Interest on floating debt	6,489.15		
Interest on street improvement bonds	4,138.64		
Uncollectable operating revenue	4,446.72		
Miscellaneous debits	13,653.21		
Bond discount	36,841.46		
Net income from quarter	436,378.27		

PROFIT AND LOSS

Debit		Credit	
Adjustments	$ 97,929.31	Balance December 31, 1926	$ 1,272,295.73
Dividends for quarter ending March 31, 1927.	351,616.10	Balance from income account	436,378.27
		Surplus March 31, 1927..	1,259,128.59

PORTLAND ELECTRIC POWER COMPANY GENERAL BALANCE SHEET
QUARTER ENDING JUNE 30, 1927

CAPITAL ACCOUNT

Debit		Credit	
Stocks and bonds of other companies owned by respondent (give detail)	$ 587,940.46	Capital stock	$ 34,048,456.00
Unpaid subscription to capital stock	173,825.33	Funded debt	75,087,500.00
Bonds in treasury	21,681,000.00	Paving assessments	306,031.85
Advances to affiliated companies	1,547,491.15	Employes funds	1,521.25
Prepaid accounts	53,504.79	Customers' deposits	89,251.39
Other investments	56,793.54	Tickets outstanding	72,356.46
		Line extension deposits	85,392.23

ASSETS AND LIABILITIES

Debit		Credit	
Cash	$ 175,534.79	Loans and bills payable.	$ 279,000.00
Bills receivable	170,266.74	Audited vouchers and accounts	592,387.29
Accounts receivable	869,050.22	Unpaid dividends	50,798.31
Stock reacquired	305,800.00	Matured interest coupons unpaid	883,470.25
Plant, property and equipment	79,349,724.19	Miscellaneous	154,277.16
Material and supplies..	774,114.60	Deposits account real estate sales	92,029.17
Bond discount	2,513,789.08	Interest accrued	1,246,972.87
Sinking Fund investments	8,007,900.00	Taxes accrued	1,246,972.87
Cash in Sinking Funds uninvested	140,247.52	Operating reserves	886,380.42
Cash in hands of Trustees	883,470.25	Insurance and casualty reserves	4,241.44
Special deposits	907,937.72	Depreciation reserves..	2,754,403.14
Suspense	259,916.90		

INCOME ACCOUNT

Debit		Credit	
Operating revenue	$ 1,611,959.22	Operating expenses	$ 2,997,387.23
Taxes	318,868.18		
Miscellaneous rents	821.20		
Bridge rentals	24,758.45		
Interest on funded debt.	585,991.38		
Interest on floating debt	6,881.62		
Interest on street improvement bonds	4,200.98		
Uncollectable operating revenue	4,502.54		
Miscellaneous debits	14,954.65		
Bond discount	36,425.08		
Net income for quarter.	388,023.93		

PROFIT AND LOSS

Debit		Credit	
Adjustments	$ 73,519.19	Balance March 31, 1927.	$ 1,259,128.59
Dividends for quarter ending June 30, 1927..	360,262.65	Balance from income account	388,023.93
		Surplus June 30, 1927...	1,213,370.68

PORTLAND ELECTRIC POWER COMPANY GENERAL BALANCE SHEET QUARTER ENDING SEPTEMBER 30, 1927

Debit	CAPITAL ACCOUNT		Credit	
Stocks and bonds of other companies owned by respondent (give detail)	$	838,035.96	Capital stock	$ 34,235,590.00
Bonds in treasury		23,910,000.00	Funded debt	77,096,200.00
Unpaid subscriptions to capital stock		135,715.96	Paving assessments	291,032.28
Advances to affiliated companies		1,845,781.85	Employees' funds	1,600.20
Prepaid accounts		46,850.74	Customers' deposits	90,813.85
Other investments		61,294.84	Tickets outstanding	68,826.52
			Line extension deposits	84,064.96

Debit	ASSETS AND LIABILITIES		Credit	
Cash	$	676,461.57	Loans and bills payable	$ 356,500.00
Bills receivable		82,180.19	Audited vouchers and accounts	382,422.20
Accounts receivable		843,778.25	Unpaid dividends	50,833.72
Stock reacquired		340,300.00	Matured interest coupons unpaid	104,850.25
Plant property and equipment		79,640,688.01	Miscellaneous	167,137.24
Material and supplies		727,234.02	Deposits account real estate sales	89,715.72
Bond discount		2,455,835.34	Interest accrued	943,251.20
Sinking Fund investments		8,156,100.00	Taxes accrued	1,512,039.66
Cash in Sinking Funds uninvested		98,691.24	Operating reserves	884,582.34
Cash in hands of trustees		104,850.25	Insurance and casualty reserves	4,069.79
Special deposits		10,937.72	Depreciation reserve	2,694,002.97
Suspense		299,728.57		

Debit	INCOME ACCOUNT		Credit	
Operating revenue	$	1,617,681.26	Operating expenses	$ 2,873,001.00
Taxes accrued		293,797.86		
Miscellaneous rents		783.70		
Bridge rentals		24,244.16		
Interest on funded debt		582,191.12		
Interest on floating debt		5,050.57		
Interest on street improvement bonds		4,455.17		
Uncollectable operating revenue		5,184.19		
Miscellaneous debits		13,494.62		
Bond discount		36,019.42		
Net income for quarter		290,099.03		

Debit	PROFIT AND LOSS		Credit	
Dividends for quarter ending September 30, 1927	$	362,663.18	Balance June 30, 1927	$ 1,213,370.68
			Balance from income account	290,099.03
			Adjustments	76,025.08
			Surplus September 30, 1927	1,216,831.61

THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY GENERAL BALANCE SHEET QUARTER ENDING DECEMBER 31, 1926

Debit	CAPITAL ACCOUNT		Credit	
Stocks and bonds of other companies owned by respondent (give detail)	$	46,165,654.81	Capital stock	$125,000,000.00
Other intangible capital		1,111,551.37	Funded debt	59,878,000.00
Miscellaneous investments		456,007.84		

Debit	ASSETS AND LIABILITIES		Credit	
Cash and deposits	$	835,715.71	Advances, loans and bills payable	$ 65,687,500.00
Bills receivable and advances		46,571,453.24	Audited vouchers and accounts	3,051,511.27
Accounts receivable—Due from agents		4,937,377.09	Wages and salaries	1,190,213.12
Construction		170,005,929.13	Other liabilities (give detail)	4,711,670.69
General equipment		4,373,177.33	Taxes	$3,074,942.01
Matrials and supplies		2,038,801.89	Interest 200,575.00	
Accrued income not due		173,372.78	Dividends 1,230,000.00	
Real estate		22,196,545.52	Tax on tax exempt bonds 17,550.61	
Franchise		8,051.00	Empl. stock purchase install. 178,603.07	
Sinking Fund assets		652,342.79	Miscell. 10,000.00	
Prepayments		552,323.86	Liability for Employes' Benefit Fund	1,500,000.00
Unamortized debt, discount and expense		2,752,086.30	Reserve for accrued depreciation	38,459,614.96
Unexpended discount on capital stock		6,875,000.00	Reserve for amortization of intangible capital	143,850.41
Other suspense		53,447.80	Other deferred credit items	738,680.53
			Surplus	9,397,797.48

Debit	INCOME ACCOUNT		Credit	
Operating revenue	$	37,140,583.67	Operating expenses	$ 54,524,558.82
Uncollectable		1,014,427.38	Dividends on stocks owned	245,517.60
Taxes accrued		5,269,955.17	Interest on funded debts owned, securities, loans and accounts	3,210,080.30
Miscellaneous rents		599,420.41	Other non-operating revenues	9,274.03
Rent expense		3,668.09		
Miscellaneous deductions from income		16,715.51		
Amortization of debt, discount and expense		161,233.63		
Interest		6,424,350.33		
Amortization of landed capital		30,675.00		
Dividend appropriation of income		7,930,000.00		
Miscellaneous appropriation of income		500,000.00		

Debit	PROFIT AND LOSS		Credit	
Amortization unprovided for elsewhere	$	500,000.00	Balance	$ 7,106,785.88
Other deductions from surplus		70,022.52	Balance from income account	927,256.32
			Miscellaneous additions to surplus	1,933,777.80

THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY GENERAL BALANCE SHEET QUARTER ENDING MARCH 31, 1927

Debit	CAPITAL ACCOUNT	Credit
Stocks and bonds of other companies owned by respondent (give detail)	$ 46,407,039.81	
Other intangible capital	1,116,581.37	
Miscellaneous investments	442,722.08	
Captial stock		$174,237,340.00
Funded debt		59,357,000.00

Debit	ASSETS AND LIABILITIES	Credit
Cash and deposits	$ 5,169,850.02	
Bills receivable and advances	49,232,562.80	
Accounts receivable, due from agents	4,745,020.53	
Construction	172,869,782.44	
General equipment	4,430,141.62	
Materials and supplies	2,159,793.43	
Accrued income not due	205,303.16	
Real estate	22,745,017.21	
Franchises	8,051.00	
Sinking Fund assets	128,329.29	
Prepayments	543,740.14	
Unamortized debt, discount and expense	2,702,476.94	
Unexpended discount on capital stock	6,875,000.00	
Other suspense	188,444.52	
Loans and bills payable		$ 26,464,900.00
Audited vouchers and accounts		3,019,574.87
Wages and salaries		1,203,243.44
Other liabilities (give detail)		4,553,019.73
Taxes	$2,159,918.24	
Interest	960,078.27	
Dividends	1,230,000.00	
Tax on tax exempt bonds	21,994.86	
Empl. stock purchased install	171,028.36	
Miscell.	10,000.00	
Liability for Employes' Benefit Fund		1,485,347.22
Reserve for accrued depreciation		39,389,288.05
Reserve for amortization of intangible capital		144,135.45
Other deferred credit items		480,711.50
Surplus		9,635,296.10

Debit	INCOME ACCOUNT	Credit
Operating revenue	$ 9,790,340.70	
Uncollectable	201,767.19	
Taxes accrued	1,216,768.32	
Miscellaneous rents	176,125.45	
Rent expense	594.05	
Miscellaneous deductions from income	4,444.25	
Amortization of debt, discount and expense	40,139.49	
Interest	1,775,850.63	
Amortization of landed capital	8,255.00	
Dividend appropriation of income	1,982,500.00	
Operating expenses		$ 14,185,626.12
Dividends on stocks owned		6,953.25
Interest on funded debts owned, interest on securities, loans and accounts		832,665.12
Other non-operating revenues		2,387.39

Debit	PROFIT AND LOSS	Credit
Other deductions from surplus	$ 13,067.58	
Balance		$ 9,397,797.48
Balance from income account		234,381.18
Miscellaneous additions to surplus		16,185.02

THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY GENERAL BALANCE SHEET QUARTER ENDING JUNE 30, 1927

Debit	CAPITAL ACCOUNT	Credit
Stocks and bonds of other companies owned by respondent (give detail)	$ 46,365,195.81	
Other intangible capital	1,141,129.97	
Miscellaneous investments	442,722.08	
Captial stock		$174,717,346.55
Funded debt		59,357,000.00

Debit	ASSETS AND LIABILITIES	Credit
Cash and deposits	$ 885,123.81	
Bills receivable and advances	48,859,579.41	
Accounts receivable, due from agents	5,011,032.47	
Construction	176,258,147.97	
General equipment	4,524,708.53	
Materials and supplies	2,106,034.21	
Accrued income not due	264,261.78	
Real estate	23,390,507.64	
Franchises	8,051.00	
Sinking Fund assets	295,121.10	
Prepayments	529,273.46	
Unamortized debt, discount and expense	2,662,489.64	
Unexpended discount on capital stock	6,875,000.00	
Other suspense	173,081.15	
Advances, loans and bills payable		$ 23,992,000.00
Audited vouchers and accounts		4,107,418.77
Wages and salaries		1,181,971.18
Other liabilities (give detail)		4,405,763.36
Taxes	$2,781,597.36	
Interest	204,075.55	
Dividends	1,230,000.00	
Tax on tax exempt bonds	8,778.61	
Empl. stock purchase install.	171,311.84	
Miscell.	10,000.00	
Liability for Employes' Benefit Fund		1,499,911.84
Reserve for accrued depreciation		40,308,146.73
Reserve for amortization of intangible capital		144,625.13
Other deferred credit items		543,558.06
Surplus		9,533,718.41

Debit	INCOME ACCOUNT	Credit
Operating expenses	$ 20,114,660.96	
Uncollectable	4,433.14	
Taxes accrued	2,569,472.54	
Miscellaneous rents	346,330.81	
Rent expense	1,601.85	
Miscellaneous deductions from income	9,272.50	
Amortization of debt, discount and expense	80,126.79	
Interest	2,895,755.28	
Amortization of landed capital	16,630.00	
Dividend appropriation of income	4,824,507.25	
Operating expenses		$ 29,040,297.74
Dividends on stocks owned		16,754.70
Interest on funded debts owned, securities, loans and accounts		1,685,351.40
Other non-operating revenues		4,512.39

Debit	PROFIT AND LOSS	Credit
Balance from income of amount charged off for depreciation	107,008.31	
Other deductions from surplus	13,067.58	
Balance		$ 9,397,797.48
Miscellaneous additions to surplus		255,996.82

THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY GENERAL BALANCE SHEET QUARTER ENDING SEPTEMBER 30, 1927

Debit	CAPITAL ACCOUNT	Credit
Stocks and bonds of other companies owned by respondent (give detail)	$ 45,825,890.81	Capital stock $174,908,780.00
Other intangible capital	1,167,575.55	Funded debt 59,201,000.00
Miscellaneous investments	537,015.23	

Debit	ASSETS AND LIABILITIES	Credit
Cash and deposits..... $	2,147,150.63	Advances, loans and bills payable ..... $ 27,650,500.00
Bills receivable and advances	48,298,628.84	Audited vouchers and accounts 3,620,330.19
Accounts receivable ...	5,325,449.92	Wages and salaries.... 1,231,737.86
Construction	179,750,607.64	Other liabilities (give detail) 5,090,620.86
General equipment	4,594,449.94	Taxes $2,709,323.48
Materials and supplies..	1,981,541.46	Interest 953,885.19
Accrued income not due	285,259.22	Dividends .. 1,230,000.00
Real estate	23,945,668.38	Tax on tax exempt bonds 13,392.49
Franchises	8,051.00	Empl. stock purchase install. ... 174,019.70
Sinking Fund assets....	126,202.85	Miscell. 10,000.00
Prepayments	430,904.92	Liability for Employes' Benefit Fund 1,487,374.88
Unamortized debt, discount and expense....	2,619,061.80	Insurance and casualty reserves 19.71
Unexpended discount on capital stock	6,875,000.00	Reserve for accrued depreciation 40,854,650.65
Other suspense	116,623.68	Reserve for amortization of interest capital 150,945.41
		Other deferred credit items 677,897.38
		Surplus 9,161,224.93

Debit	INCOME ACCOUNT	Credit
Operating revenue .....$	30,777,177.79	Operating expenses ...$ 44,326,844.75
Uncollectable	206,163.11	Dividends on stocks owned 27,168.95
Taxes accrued	3,927,123.22	Interest on funded debts owned, interest on securities, loans and accounts 2,516,246.40
Miscellaneous rents	526,830.12	Other non-operating revenues 6,708.40
Rent expense	2,310.86	
Miscellaneous deductions from income....	13,886.38	
Amortization of debt, discount and expense.	120,052.57	
Interest	4,068,061.39	
Amortization of landed capital	25,075.00	
Dividend appropriation of income	7,674,440.25	

Debit	PROFIT AND LOSS	Credit
Balance from income of amount charged off for depreciation .....$	464,152.19	Balance .....$ 9,397,797.48
Other deductions from surplus	29,487.89	Miscellaneous additions to surplus 257,067.53

NORTHWESTERN ELECTRIC COMPANY GENERAL BALANCE SHEET QUARTER ENDING DECEMBER 31, 1926

Debit	CAPITAL ACCOUNT	Credit
Stocks and bonds of other companies owned by respondent (give detail) .....$	15,883.30	Capital stock .....$ 14,807,700.00
Discount on capital stock	132,136.25	Funded debt 7,875,400.00
Subscribers to capital stock	13,065.74	Capital stock subscribed 30,300.00

Debit	ASSETS AND LIABILITIES	Credit
Cash .....$	174,708.30	Loans and bills payable.$ 635,000.00
Notes receivable	3,673.12	Audited vouchers and accounts 144,216.67
Accounts receivable	674,854.93	Miscellaneous current liabilities 1,911.78
Plant property and equipment	22,669,755.83	Consumers' deposits ... 12,066.93
Material and supplies..	415,857.30	Consumers' extension deposits 2,373.86
Prepaid accounts	12,388.65	Dividends declared 83,854.50
Sinking Fund	752,046.00	Taxes accrued 366,823.58
Unamortized debt, discount and expense...	308,897.00	Interest accrued 80,169.74
Construction work in progress	517,050.70	Retirement reserve 958,947.14
Deferred accounts	12,283.52	Miscellaneous reserves. 68,365.60
		Miscellaneous unadjusted credits 21,892.79
		Surplus, Dec. 31, 1926... 614,578.05

Debit	INCOME ACCOUNT	Credit
Operating revenue .....$	347,595.53	Operating expenses ....$ 823,463.52
Taxes accrued	102,315.71	
Miscellaneous interest..	126,002.78	
Miscellaneous deductions	15,743.79	
Retirement expense....	155,000.00	
Net income for quarter.	76,805.71	

Debit	PROFIT AND LOSS	Credit
Dividends for quarter ending Dec. 31, 1926..	83,755.76	Balance Sept. 30, 1927...$ 696,054.72
Miscellaneous debits ...	74,526.62	Balance from income account 76,805.71
Balance Dec. 31, 1926...	614,578.05	

NORTHWESTERN ELECTRIC COMPANY GENERAL BALANCE SHEET
QUARTER ENDING MARCH 31, 1927

Debit	CAPITAL ACCOUNT	Credit	
Stocks and bonds of other companies owned by respondent (give detail)	$ 15,883.30	Capital stock	$ 14,812,800.00
Discount on capital stock	132,121.25	Fnded debt	7,875,400.00
Subscribers to capital stock	7,283.54	Capital stock subscribed	18,300.00

Debit	ASSETS AND LIABILITIES	Credit	
Cash	$ 199,576.03	Loans and bills payable.	$ 530,000.00
Notes receivable	3,269.12	Audited vouchers and accounts	295,553.80
Accounts receivable	754,119.47	Miscellaneous current liabilities	1,969.98
Plant, property and equipment	23,032,101.68	Consumers' deposits	11,998.38
Material and supplies	406,414.23	Consumers' extension deposits	2,365.84
Prepaid accounts	23,975.30	Dividends declared	83,943.75
Sinking Funds	763,215.00	Taxes accrued	196,279.58
Unamortized debt, discount and expense	299,630.09	Interest accrued	197,660.30
Construction work in progress	345,863.37	Retirement reserve	973,947.14
Deferred accounts	22,087.90	Miscellaneous reserves.	53,370.61
		Miscellaneous unadjusted credits	152,607.20
		Surplus March 31, 1927.	799,343.70

Debit	INCOME ACCOUNT	Credit	
Operating expenses	$ 332,095.93	Operating revenue	$ 876,591.49
Taxes accrued	123,929.57		
Miscellaneous interest.	125,128.30		
Miscellaneous deductions	11,699.96		
Retirement expense	15,000.00		
Net income for quarter.	268,737.73		

Debit	PROFIT AND LOSS	Credit	
Miscellaneous debits	$ 59.00	Balance Dec. 31, 1926	$ 614,578.05
Dividends	83,913.08	Balance from income account	268,737.73
Balance March 31, 1927.	799,343.70		

NORTHWESTERN ELECTRIC COMPANY GENERAL BALANCE SHEET
QUARTER ENDING JUNE 30, 1927

Debit	CAPITAL ACCOUNT	Credit	
Stocks and bonds of other companies owned by respondent (give detail)	$ 28,133.30	Capital stock	$ 14,812,900.00
Subscribers to capital stock	5,549.09	Funded debt	7,976,900.00
		Capital stock subscribed	16,600.00

Debit	ASSETS AND LIABILITIES	Credit	
Cash	$ 214,705.97	Loans and bills payable.	$ 695,000.00
Bills receivable	2,787.55	Audited vouchers and accounts	221,712.25
Accounts receivable	588,341.70	Miscellaneous current liabilities	694.73
Plant property and equipment	23,206,034.73	Consumers' deposits	11,979.60
Material and supplies	425,852.59	Consumers' extension deposits	2,359.44
Prepaid accounts	40,395.46	Dividends declared	83,943.75
Sinking Funds	854,623.00	Taxes accrued	298,498.78
Unamortized debt, discount and expense	290,363.18	Interest accrued	80,505.41
Construction work in progress	454,046.78	Depreciation and retirement reserve	986,151.89
Deferred accounts	34,347.43	Miscellaneous reserved.	37,465.46
		Miscellaneous unadjusted credits	149,327.07
		Surplus June 30, 1927	771,142.40

Debit	INCOME ACCOUNT	Credit	
Operating revenue	$ 333,077.43	Operating expenses	$ 759,948.75
Taxes accrued	105,172.01		
Miscellaneous interest.	126,585.74		
Miscellaneous deductions	11,998.96		
Retirement expense	15,000.00		
Net income for quarter.	168,114.61		

Debit	PROFIT AND LOSS	Credit	
Miscellaneous debts	$ 132,121.25	Balance March 31, 1927.	$ 799,343.70
Dividends	83,921.70	Balance from income account	168,114.61
Balance June 30, 1927.	771,142.40	Miscellaneous credits	19,727.04

NORTHWESTERN ELECTRIC COMPANY GENERAL BALANCE SHEET
QUARTER ENDING SEPTEMBER 30, 1927

Debit	CAPITAL ACCOUNT		Credit	
Stocks and bonds of other companies owned by respondent (give detail)	$	28,133.30	Capital stock	$ 14,812,900.00
Subscribers to capital stock		4,137.22	Funded debt	7,976,900.00
			Capital stock subscribed	15,200.00

Debit	ASSETS AND LIABILITIES		Credit	
Cash	$	238,638.31	Loans and bills payable	$ 755,000.00
Accounts receivable		615,125.90	Audited vouchers and accounts	310,932.17
Plant, property and equipment		22,994,305.47	Miscellaneous current liabilities	729.60
Miscellaneous current assets		3,431.43	Customers' deposits	11,944.12
Prepaid accounts		33,012.17	Consumers' extension deposits	2,556.81
Sinking Funds		867,314.50	Dividends declared	83,945.50
Unamortized debt, discount and expense		281,096.27	Taxes accrued	385,805.59
Construction work in progress		1,002,278.02	Interest accrued	199,779.11
Deferred accounts		66,486.22	Depreciation and retirement reserve	1,000,105.84
			Miscellaneous reserves	43,695.01
			Miscellaneous unadjusted credits	140,732.64
			Surplus Sept. 30, 1927	801,296.05

Debit	INCOME ACCOUNT		Credit	
Operating revenue	$	342,757.16	Operating expenses	$ 701,775.41
Taxes accrued		87,765.02		
Miscellaneous interest		129,394.79		
Miscellaneous deductions		12,785.20		
Depreciation and retirement expense		15,000.00		
Net income for quarter		114,073.24		

Debit	PROFIT AND LOSS		Credit	
Dividends	$	83,919.59	Balance June 30, 1927	$ 771,142.40
Surplus Sept. 30, 1927		801,296.05	Balance from income account	114,073.24

PORTLAND GAS AND COKE COMPANY GENERAL BALANCE SHEET
QUARTER ENDING DECEMBER 31, 1926

Debit	CAPITAL ACCOUNT		Credit	
Stocks and bonds of other companies owned by respondent (give detail)	$	51,201.00	Capital stock	$ 8,441,900.00
Pledged bonds		1,429,000.00	Funded debt	10,524,000.00
Treasury bonds		1,000,000.00	Capital stock subscribed	16,100.00
Preferred stock for resale		2,000.00	Premium on capital stock	187.00

Debit	ASSETS AND LIABILITIES		Credit	
Cash	$	138,216.78	Loans and bills payable	$ 3,561,000.00
Bills receivable		115.00	Audited vouchers and accounts	248,614.10
Accounts receivable, gas		311,309.90	Consumers' deposits	76,496.35
Accounts receivable—miscellaneous		542,184.86	Accrued accounts	487,105.91
Plant and property		20,336,242.44	Reserve accounts	916,335.45
Material and supplies		317,653.15	Sundry liabilities	408.00
Prepaid accounts		7,292.64	Surplus	317,921.06
Suspense		38,177.39		
Construction work in progress		88,778.83		
Bond discount and expense		310,347 96		
Sundry assets		17 547 69		

Debit	INCOME ACCOUNT		Credit	
Operating revenue	$	2,561,104.82	Operating expenses	$ 4,458,619.31
Taxes accrued		435,820.27	Non-operating revenues	2,284.32
Income tax on coupons paid		4,891.59	Non-operating rent revenues	6,919.96
Allowance for bad debts		23,525.39	Sundry interest received	29,858.96
Bond discount amortized		23,872.92		
Bond interest		425,750.00		
Sundry interest paid		190,779.76		
Retirement expense		200,000.00		

Debit	PROFIT AND LOSS		Credit	
Balance Dec. 31, 1926	$	317,921.06	Balance Dec. 31, 1925	$ 399,824.13
Amount charged off for depreciation		100,000.00	Balance from income account	631,937.80
Dividend expense		619,011.60	Audit adjustments	5,170.73

PORTLAND GAS AND COKE COMPANY GENERAL BALANCE SHEET
QUARTER ENDING MARCH 31, 1927

Debit	CAPITAL ACCOUNT	Credit	
Stocks and bonds of other companies owned by respondent (give detail)	$ 51,951.00	Capital stock	$ 8,443,000.00
Pledged bonds	1,429,000.00	Funded debt	10,524,000.00
Treasury bonds	1,000,000.00	Capital stock subscribed	15,000.00
Preferred stock for resale	8,700.00	Premium on capital stock	187.00

Debit	ASSETS AND LIABILITIES	Credit	
Cash	$ 185,989.26	Loans and bills payable	$ 3,396,000.00
Bills receivable	881.89	Audited vouchers and accounts	296,420.49
Accounts receivable, gas	307,476.83	Consumers' deposits	76,104.80
Accounts receivable, miscellaneous	447,926.68	Accrued accounts	685,213.26
Plant and property	20,329,462.62	Reserve accounts	947,893.30
Material and supplies	407,390.51	Sundry liabilities	401.50
Prepaid accounts	10,918.71	Unadjusted credits	4,037.94
Suspense	46,202.95	Surplus	418,946.39
Construction work in progress	261,804.11		
Bond discount and expense	304,379.73		
Sundry assets	15,119.39		

Debit	INCOME ACCOUNT	Credit	
Operating expenses	$ 723,420.86	Operating revenue	$ 1,285,211.18
Taxes accrued	123,797.22	Non-operating revenues	9.92
Income tax on coupons paid	2,079.70	Non-operating rent revenues	1,419.99
Allowance for bad debts	8,283.24	Sundry interest received	8,642.04
Bond discount amortized	5,968.23		
Bond interest	106,437.49		
Sundry interest paid	54,088.91		
Retirement expense	15,000.00		

Debit	PROFIT AND LOSS	Credit	
Balance March 31, 1927	$ 418,946.39	Balance Dec. 31, 1926	$ 317,921.06
Dividend expense	155,182.15	Blance from income account	256,207.48

PORTLAND GAS AND COKE COMPANY GENERAL BALANCE SHEET
QUARTER ENDING JUNE 30, 1927

Debit	CAPITAL ACCOUNT	Credit	
Stocks and bonds of other companies owned by respondent (give detail)	$ 52,951.00	Capital stock	$ 8,444,300.00
Pledged bonds	1,429,000.00	Funded debt	10,524,000.00
Treasury bonds	1,000,000.00	Capital stock subscribed	13,700.00
		Premium on capital stock	187.00

Debit	ASSETS AND LIABILITIES	Credit	
Cash	$ 106,136.80	Loans and bills payable	$ 3,783,500.00
Bills receivable	2,001.82	Audited vouchers and accounts	400,457.80
Accounts receivable, gas	285,930.81	Consumers deposits	76,067.62
Accounts receivable, miscellaneous	565,610.96	Accrued accounts	358,805.15
Plant and property	20,314,198.26	Reserve accounts	977,415.88
Material and supplies	410,643.71	Sundry liabilities	755.50
Prepaid accounts	8,601.30	Unadjusted credits	4,096.39
Suspense	56,563.21	Surplus	494,037.86
Construction work in progress	533,749.52		
Bond discount and expense	298,411.50		
Sundry assets	13,533.31		

Debit	INCOME ACCOUNT	Credit	
Operating revenue	$ 1,347,573.84	Operating expenses	$ 2,439,236.85
Taxes accrued	244,951.87	Non-operating revenues	16.67
Income tax on coupons paid	2,251.26	Non-operating rent revenues	2,889.98
Allowance for bad debts	15,425.97	Sundry interest received	18,533.36
Bond discount amortized	11,936.46		
Bond interest	212,874.99		
Sundry interest paid	109,163.90		
Retirement expense	30,000.00		

Debit	PROFIT AND LOSS	Credit	
Balance June 30, 1927	$ 494,037.86	Balance Dec. 31, 1926	$ 317,921.06
Dividend expense	310,381.77	Balance from income account	486,498.57

PORTLAND GAS AND COKE COMPANY GENERAL BALANCE SHEET QUARTER ENDING SEPTEMBER 30, 1927

Debit	CAPITAL ACCOUNT		Credit	
Stocks and bonds of other companies owned by respondent (give detail)	$	52,951.00	Capital stock	$ 8,448,100.00
Pledged bonds		1,429,000.00	Funded debt	10,524,000.00
Treasury bonds		1,000,000.00	Capital stock subscribed	9,800.00
			Premium on capital stock	187.00

Debit	ASSETS AND LIABILITIES		Credit	
Cash	$	132,876.42	Loans and bills payable	$ 3,979,500.00
Bills receivable		3,044.47	Audited vouchers and accounts	378,982.35
Accounts receivable		1,068,996.02	Consumers' deposits	78,382.15
Plant and property		20,284,283.48	Accrued accounts	564,482.84
Material and supplies		327,739.52	Reserve accounts	991,158.26
Prepaid accounts		13,474.74	Sundry liabilities	3,852.96
Suspense		63,164.40	Surplus	542,156.20
Construction work in progress		834,795.38		
Bond discount and expense		292,443.27		
Sundry assets		17,833.06		

Debit	INCOME ACCOUNT		Credit	
Operating revenue	$	1,997,751.36	Operating expenses	$ 3,569,298.81
Taxes accrued		360,766.09	Dividends on stocks owned	12.50
Income tax on coupons paid		4,304.34	Non-operating revenues	486.48
Bond discount amortized		17,904.69	Non-operating rent revenues	4,384.97
Bond interest		319,312.49	Sundry interest received	31,262.70
Sundry interest paid		170,514.49		
Retirement expense		45,000.00		

Debit	PROFIT AND LOSS		Credit	
Balance Sept. 30, 1927	$	542,156.20	Balance Dec. 31, 1927	$ 317,921.06
Miscellaneous adjustments		5.00	Balance from income account	689,874.00
Dividend expense		465,633.86		

LIST OF REVOCABLE PERMITS GRANTED BY ORDINANCE SINCE 1890.

TEMPORARY RAILWAY TRACKS AND SWITCHES

Ordinance No. 6742. Temporary railway track in "U" street between westerly line of Fourteenth street and 100 feet west of west line of Sixteenth street. Northern Pacific Terminal Co.

Ordinance No. 7626. Side track in front of block 20, Stephens Addition for accommodation of Dr. J. Surman. Oregon & California Railway Co.

Ordinance No. 7811. Side track in Front street from intersection of Front and Quimby streets to connect with coal bunkers on lots 38, 39, 40 and 41, block 318, Couch's Addition. Oregon Improvement Co.

Ordinance No. 8099. Side track on Fourth street from 10 feet North of the north line of Hoyt street to north line of Glisan street for accommodation of Union Meat Co. Oregon & California R. R. Co.

Ordinance No. 8209. Spur track on East First street in front of block 22, Stephens Addition for accommodation of R. M. Wade & Co. Oregon & California Railway Co.

Ordinances Nos. 8263 and 8339. Side track on East First street from 120 feet south of south line of block 22, Stephens Addition to center line of East Main street for accommodation of R. M. Wade and Wm. M. Ladd. Oregon & California Railway Co.

Ordinance No. 9278. Side track on Ninth street from 100 feet north of the north line of Johnson street to north line of Irving street for accommodation of J. McCraken Co. Northern Pacific Terminal Co.

Ordinance No. 11405. Side track in Wilson street from Sherlock avenue to point 300 feet west. Northern Pacific Terminal Co.

Ordinance No. 13183. Side track on Fourth street opposite south one-half of block W, Couch's Addition. Oregon & California R. R. Co.

Ordinance No. 14004. Side track on Upshur street from intersection Terminal and Upshur street to 20 feet east of east line of Seventeenth street for accommodation of Everding & Farrell. Northern Pacific Terminal Co.

Ordinance No. 14241. Move sidewalk and lay railway track in diagonal roadway between Union Depot and Front street. Northern Pacific Terminal Co.

Ordinance No. 14724. Side track on Ninth street from 100 feet south of Irving street to Hoyt street for accommodation of Woodard Clarke & Co. Northern Pacific Terminal Co.

Ordinance No. 14861. Side track on North Front street near intersection of Tenth and Quimby streets to connect with coal bunkers of Holmes Coal & Ice Co. Northern Pacific Terminal Co.

Ordinance No. 14964. Side track on Upshur street in front of block 28, Watson's Addition. Northern Pacific Terminal Co.

Ordinance No. 15462. Spur track on Sherlock avenue at 100 feet north of Hull street to boiler works in block 37, Sherlock's Addition. Willamette Iron & Steel Works.

Ordinance No. 15713. Side track on North Thirteenth street from 100 feet south of Irving street to Glisan street. Northern Pacific Terminal Co.

Ordinance No. 16003. Side track on York street from Sherlock avenue to 150 feet west of Twenty-fourth street. Northern Pacific Terminal Co.

Ordinance No. 16152. Side track and switches on Fifteenth street from Upshur street to Marshall street. Portland & Seattle Railway Co.

Ordinance No. 16235. Side track in Railroad street in front of block 59, Albina, for accommodation of E. H. Ingham. Oregon Railway & Navigation Co.

Ordinance No. 16480. Side track and switches on East First street between East Morrison street and East Main street for accommodation of Fisher, Thorsen & Company. Oregon & California Railway Co.

Ordinance No. 16780. Side track and spur track on East Alder street between East Water street and Willamette River. Portland Fuel Co.

Ordinance No. 17359. Side track and switches on Fifteenth street from north line of Marshall street to north line of Johnson street. Portland & Seattle Railway Co.

Ordinance No. 17798. Side track and switches on Thirteenth street between Glisan street and 100 feet north of Burnside street. Northern Pacific Terminal Co.

Ordinance No. 18323. Single track on north side Upshur street between Seventeenth and Nineteenth streets. Northern Pacific Terminal Co.

Ordinance No. 18388. Side track and switch on East First street between East Morrison street and East Taylor street. Oregon & California Railway Co.

Ordinance No. 18649. Side track on East First street between East Oak and East Washington street. National Cold Storage & Ice Co.

Ordinance No. 19344. Side track and switches on Fifteenth street from north line of Johnson street to north line of Glisan street. Spokane, Portland & Seattle Railway Co.

Ordinance No. 19905. Single track on Hoyt street from south line of block 113 to north line of block 112, Couch's Addition. Northern Pacific Terminal Co.

Ordinance No. 20147. Two railroad tracks across Front street to lots 22 and 23, River Block 2, Doscher's Addition. B. E. Martin.

Ordinance No. 21716. Side track and spur across a portion of Russell and Marion streets for accommodation of Edlefsen Fuel Co. Oregon Railway & Navigation Co.

Ordinance No. 22147. Single track railway on Upshur street from 100 feet west of North Eighteenth street to east line of North Twentieth street. Northern Pacific Terminal Co.

Ordinance No. 22253. Spur track on North Front street at North Tenth street. Northern Pacific Terminal Co.

Ordinance No. 22293. Spur track on Macadam street from United Railways Co. track. Portland Furniture Manufacturing Co.

Ordinance No. 22534. Spur track from P. R. L. & P. Co.'s track at intersection of Lombard and Newell streets to point in Newell street 450 feet north therefrom. Francis I. McKenna.

Ordinance No. 22536. Electric railway on Villa avenue and Hassalo street. Mt. Hood Railway & Power Co.

Ordinance No. 22708. Railway track on East Main street from East Water street to Willamette River. Columbia Contract Co.

Ordinance No. 23336. Side track on East First street between East Washington and East Alder. H. H. Brown.

Ordinance No. 23627. Spur track from main line of O-W. R. & N. Co. crossing Williams avenue and Winchell street. Oregon-Washington Railway & Navigation Co.

Ordinance No. 23628. Single track railway from west line of Tenth street between Lovejoy and Marshall to block 199, Couch's Addition, and return. Spokane, Portland & Seattle Railway Co.

Ordinance No. 23633. Spur track from a point 700 feet west of Brandon street across Brandon and Derby streets. Oregon Railway & Navigation Co.

Ordinance No. 23796. Spur track on Macadam street between Gaines street and Lane street connecting with United Railway Co.'s track. Fisher, Thorsen & Co.

Ordinance No. 24029. Single track railway over certain streets (expires Sept. 26, 1913). Mt. Hood Railway & Power Co.

Ordinance No. 24328. Spur track east side of Front street from 30 feet north of Davis street to north line of East Couch street. United Railways Co.

Ordinance No. 24329. Side track east side of Ninth street from north line of Hoyt street to 100 feet south of south line of Hoyt street. Northern Pacific Terminal Co.

Ordinance No. 24704. Street railway track on Bybee avenue and Reed College Place. Reed Institute.

Ordinance No. 24892. Change from double track to single track on Raleigh street from 85 feet east of Twenty-fifth street to 90 feet east of Twenty-fourth street. Portland Railway, Light & Power Co.

Ordinance No. 25154. Spur track from point in block 32, East Portland, southeasterly across East Second street to East Flanders; thence easterly to a point between Union avenue and Grand avenue. Oregon-Washington Railway & Navigation Co.

Ordinance No. 25592. Railroad track across Tenth street and Pettygrove street. Spokane, Portland & Seattle Railway Co.

Ordinance No. 25643. Single track electric railway on Pettygrove street, Quimby street, Westover Road and Cumberland Road. Lewis-Wiley Hydraulic Co.

Ordinance No. 25776. Side track in front of block B, Creston (expires Aug. 21, 1913). Percy & Strickler Co.

Ordinance No. 25781. Electric railway on Lewelling avenue, Knapp avenue and Eschelman street. Fred A. Jacobs et al (See Ord. 25986).

Ordinance No. 25896 Single track railroad across Division street near Tenth street. Ford Motor Co.

Ordinance No. 26138. Railway track across Clackamas street 100 feet west of east line of block 45, Laurelhurst. Rose City Coal & Supply Co.

Ordinance No. 26246. Railway tracks across Northrup, Overton street and Tenth street connecting with block 224, Couch's Addition. Spokane, Portland & Seattle Railway Co.

Ordinance No. 26388. Side track on East First street in front of block 42, East Portland for accommodation of Portland Seed Co. Oregon & California Railway Co.

Ordinance No. 26395. Spur track from connection with block 32, East Portland, southeasterly across East Second and East Flanders, East Davis, East Everett, and East Couch streets. Oregon-Washington Railway & Navigation Co.

Ordinance No. 26461. Railway track on East Salmon street, East Ninth street and East Tenth street. Pacific Bridge Co.

Ordinance No. 26801. Railway track on Dekum avenue from East Thirteenth street to East Twenty-fourth street. Portland Railway, Light & Power Co.

Ordinance No. 27227. Spur track from point between Peninsular avenue and Calvert street to south line of block 56, Peninsular Addition No. 4. Oregon-Washington Railway & Navigation Co.

Ordinance No. 27660. Spur track on East First street between East Main street and East Salmon street for accommodation of Edlefsen Fuel Co. Oregon & California R. R. Co.

Ordinance No. 28347. Industrial spur track on East First street from a point six feet north of East Alder street to a point 216 feet south from beginning point. Oregon & California R. R. Co.

Ordinance No. 28348. Erect and maintain trolley poles through a tract of land owned by City of Portland at Palatine Hill. Portland, Eugene & Eastern Ry. Co.

Ordinance No. 28349. Industrial spur track on East First street from East Flanders street to East Burnside street. Southern Pacific Co.

Ordinance No. 28350. Industrial spur track on York street between Twenty-first and Twenty-second streets. M. F. Brady & Son.

Ordinance No. 28640. Switch cars on Stark street from Twelfth street to West Park street between 12 P. M. and 6 A. M. United Railways Co.

Ordinance No. 28655. Electric railway spur track across intersection of Third and Hoyt streets. Oregon & California R. R. Co.

Ordinance No. 28671. Operate freight trains on North Front street in the daytime. Spokane, Portland & Seattle Ry. Co.

Ordinance No. 28771. Railroad track to connect North Front street with Municipal Dock No. 1. Northern Pacific Terminal Co.

Ordinance No. 28790. Side track across Powell Valley Road near East Fiftieth street. A. M. Ellsworth, Receiver.

Ordinance No. 29361. Industrial railway track on East First street from East Pine street to East Stark street. O. & C. R. R. Co. & S. P. Co.

Ordinance No. 30276. Electric railway track on Cumberland Road. Lewis-Wiley Hydraulic Company.

Ordinance No. 30368, entitled, "An Ordinance granting a revocable permit to Northern Pacific Terminal Company of Oregon, a corporation, to construct, lay down, use and maintain a standard gauge railway track in Front street from a point of connection with the present track in said Front street at or near the intersection of Front street with Seventeenth street, to Municipal Dock No. 1, in the City of Portland, and declaring an emergency." Passed by the Council April 16, 1915. Held by Northern Pacific Terminal Company of Oregon.

Ordinance No. 30369. Standard gauge railway track in East Oak street between East First and East Water streets. Commission of Public Docks.

Ordinance No. 30422. Standard gauge railway track from a point in East First street between East Oak street and East Stark street to trackage to Municipal Dock No. 2. Oregon & California Railroad Company.

Ordinance No. 30636. Standard gauge industrial spur track over and across East Ninth street and Division street. Oregon & California Railroad Company.

Ordinance No. 30716. Spur track in East Second street from north line of East Ankeny street to a point 120 feet north. Spokane, Portland & Seattle Railroad Company, and O.-W. R. R. & N. Co.

Ordinance No. 30743. Standard gauge spur track in East Second street from north line of East Ankeny street to a point 120 feet north therefrom. Spokane-Portland & Seattle Railway Company and Oregon-Washington Railroad & Navigation Co.

Ordinance No. 30854. Standard gauge railway track in Front street from Seventeenth street to Municipal Dock No. 1. Northern Pacific Terminal Company.

Ordinance No. 30968, entitled, "An Ordinance granting revocable permits to Oregon and California Railroad Company, its successors, lessees and assigns, to construct and maintain industrial railway spur tracks over, across and along certain streets in the vicinity of said Company's East Side Freight Yards in the City of Portland, Oregon, and fixing the conditions and restrictions governing said revocable permits." Passed by the Council October 6, 1915. Held by Oregon and California Railroad Company.

Ordinance No. 31233. Railroad track across East Thirty-ninth street near Ash street. Commissioner of Public Affairs.

Ordinance No. 31537. Service track and shaft in Dana street from O.-W. R. & N. Co's. tunnel to point 200 feet south of Willis boulevard. A. Guthrie & Co. Inc.

Ordinance No. 31556. Railway track and shaft in Dana street; A. Guthrie & Company, Inc.

Ordinance No. 32250. Industrial track on Goldsmith street; Hancock Land Company.

Ordinance No. 32370. O. & C. Railway Company to occupy portion of Insley avenue.

Ordinance No. 32526. O. & C. Railway Company to construct a spur track at Third and Hoyt streets.

Ordinance No. 32527. Willamette Box & Lumber Company to construct a tramway across First street in Linnton.

Ordinance No. 32547. A. C. Kratz to construct spur track across Brooklyn street.

Ordinance No. 32553. O. W. R. & N. Co. to construct a spur track.

Ordinance No. 32594. O. & C. Ry. Co. to construct a crossover track in East First street.

Ordinance No. 32615. Southern Pacific Lockwood spur track on Halsey street.

Ordinance No. 32825. Spokane, Portland & Seattle Railway, use of west half of Ninth street.

Ordinances Nos. 33086—33158. O.-W. R & N. Co. to construct a track on Bradford street.

Ordinance No. 33190. Northern Pacific Terminal Co. to construct spur track on Bradford street.

Ordinance No. 33204. Pacific Bridge Co. to construct a track in East Salmon street.

Ordinance No. 33221. Pacific Marine Iron Works to construct certain spur tracks.

Ordinance No. 33256. Portland Galvanizing Works to construct a spur track on Twenty-second street.

Ordinance No. 33333. O. & C. Railway Co. to construct a spur track in Bradford street.

Ordinance No. 33832. Public Docks to maintain tracks in Alta and Philadelphia streets.

Ordinances Nos. 33889 and 34056. O. & C. Ry. Co. to construct spur tracks on Flanders street et al.

Ordinance No. 34271. P. R. L. & P. Co. to construct a spur track on East Water and East Taylor streets.

Ordinance No. 34459. P. R. L. & P. Co. to construct third rail on N. P. T. Company's track on York street.

Ordinance No. 34505. P. R. L. & P. Co. to maintain electric track at Second and Caruthers streets.

Ordinances Nos. 33761 and 34670. O.-W. R. & N. Co. to construct spur track in Bradford street.

Ordinance No. 34770. Spokane, Portland & Seattle Ry. Co.—a spur track on Fifteenth street.

Ordinance No. 34796. Star Trust Products Co. to construct electric tramway in East Yamhill street.

Ordinance No. 34893. Northern Pacific Terminal Co. to construct side track in Thirteenth street.

Ordinance No. 35795. United Railways Co. to construct spur track on Twenty-second and Raleigh streets.

Ordinance No. 33179. Independent Foundry Co. to construct crane runway over Reed street.

Ordinance No. 33316. Pacific Lifeboat Co. to construct elevated track in East Alder street.

Ordinance No. 34106. O.-W. R. & N. Co. to construct spur track on River and Loring streets.

Ordinance No. 34330. O.-W. R. & N. Co., to construct spur tracks on Loring and River streets.

Ordinance No. 34588. Fidelity Investment Co. to construct crane runway in Fifteenth street.

Ordinance No. 36036. Oregon & California Railway Co., spur track on Moody street.

Ordinance No. 36191. Extending time of completion of Portland & Oregon City Railway Co.

Ordinance No. 36194. Oregon & California Railway Co., spur track on Moody street.

Ordinance No. 36462. O.-W. R. & N. Co., spur track on East Second street.

Ordinance No. 36698. Northern Pacific Terminal Co., tracks across Twenty-sixth street, et al.

Ordinance No. 36793. Northern Pacific Terminal Co., tracks across Twenty-sixth street, et al.

Ordinance No. 37063. Oregon & California Railway Co., tracks across Harold avenue.

Ordinance No. 37157. O.-W. R. & N. Co., spur track on Bradford street.

Ordinance No. 37418. Northern Pacific Terminal Co., side tracks across Twenty-sixth street.

Ordinance No. 37479. Northern Pacific Terminal Co., et al, temporary tracks across certain streets.

Ordinance No. 37527. American Can Co., construct spur tracks on Twenty-sixth street.

Ordinance No. 37534. Northern Pacific Terminal Co., to occupy street in vicinity of Broadway Bridge.

Ordinance No. 37591. Commission of Public Docks, use of portion of Jersey street.

Ordinance No. 37668. Northern Pacific Terminal Co., change of switch points in Wilson street.

Ordinance No. 37704. United Railways Co., spur track on Twelfth street.

Ordinance No. 37765. Oregon & California Railway Co., spur tracks on East First street.

Ordinance No. 38179. Oregon & California Railway Co., spur tracks on East First street.

Ordinance No. 38819. O.-W. R. & N. Co., spur track on East Second street.

Ordinance No. 38886. O.-W. R. & N. Co., spur track on Bradford street.

Ordinance No. 39070. Portland Flouring Mills, track scale on East Second street and East Stark street.

Ordinance No. 39071. Northern Pacific Terminal Co., spur track across Sherlock street.

Ordinance No. 39118. Northern Pacific Terminal Co., spur track in York street.

Ordinance No. 39150. United Railways Co., spur tracks on Flanders street.

Ordinance No. 39358. O.-W. R. & N. Co., spur track on East Second street.

Ordinance No. 40600. O.-W. R. & N. Company, spur track in East Third street.

Ordinance No. 40628. Northern Pacific Terminal Company, spur track in York street.

Ordinance No. 40712. Northern Pacific Terminal Company, spur track in Front street.

Ordinance No. 41221. O.-W. R. & N. Company, spur track in East Second street.

Ordinance No. 41222. O.-W. R. & N. Company, spur track in East Second street.

Ordinance No. 41223. O.-W. R. & N. Company, passing track in Wilbur street and Tyndale street.

Ordinance No. 41392. Portland Realty & Trust Company, spur track across Kerby street.

Ordinance No. 41413. Requiring removal of tracks from Front street.

Ordinance No. 41431. Northern Pacific Terminal Company, spur tracks in Front and Hull streets.

Ordinance No. 41613. Portland Railway, Light and Power Company, spur track in Grand avenue and Umatilla street.

Ordinance No. 41614. Oregon & California Company, spur track in East Second street, et al.

Ordinance No. 41664. Northern Pacific Terminal Company, spur track in Fifteenth street.

Ordinance No. 41753. Portland Railway, Light & Power Company, spur track in Fiftieth street S. E. and Powel Valley Road.

Ordinance No. 42295. P. R. L. & P. Co., spur track, East Water street.

Ordinance No. 42307. Pacific Car & Foundry Co., spur track, East Fifty-fifth street.

Ordinance No. 42430. S. P. & S. Railway Co., spur track, East Salmon street.

Ordinance No. 42712. United Railway Co., construct track in Macadam street.

Ordinance No. 42718. Portland Realty & Trust Co., construct spur track across Kerby street.

Ordinance No. 42914. P. R. L. & P. Co., cease operation of cars temporarily.

Ordinance No. 43000, amending Ord. No. 41222. O. W. R. R. & N. Co., spur track.

Ordinance No. 43147. Portland Realty & Trust Co., operate a track on Larrabee street.

Ordinance No. 43518. O. & C. Railway Co., construct spur track East Twenty-second street.

Ordinance No. 43734. Oregon Electric Railway Co., construct spur track on Tenth street.

Ordinance No. 43992. United Railway Co., construct spur track on Twelfth street.

Ordinance No. 44304. Albers Bros. Milling Co. spur track, Front street.

Ordinance No. 44320. O. W. R. R. & N. Co., construct spur track, East Third street.

Ordinance No. 44350. Pacific Car & Foundry Co., construct two spur tracks, East Fifty-fifth street.

Ordinance No. 44712. O. W. R. R. & N. Co., spur track, East Third street.

Ordinance No. 44946. Portland Electric Power Co., spur track, East Water street.

Ordinance No. 45155. O. W. R. R. & N. Co., spur track, East Second street.

Ordinance No. 45218. O. W. R. R. & N. Co., spur track, East Third street, Stark to Pine.

Ordinance No. 45219. O. W. R. R. & N. Co., spur track, East Third street, Washington to Morrison.

Ordinance No. 45225. O. W. R. R. & N. Co. and O. & C. Railway Co., reconstruct west approach Steel bridge.

Ordinance No. 45248. Southern Pacific Co., spur track, East Twelfth and Clinton streets.

Ordinance No. 45480. Northern Pacific Terminal Co., spur track, Thirteenth street, between Hoyt and Johnson.

Ordinance No. 45541. Portland Electric Power Co., bus line on East Thirty-ninth street.

Ordinance No 45669. E. A. McGrath, construct side track.

Ordinance No. 46438. Portland Electric Power Co., spur track, East Water street.

Ordinance No. 46653. O. W. R. R. & N. Co., spur track, East Second street.

Ordinance No. 46838. O. W. R. R. & N. Co, spur track, East Third street.

Ordinance No. 47474. United Railways Co., spur track, Nicolai street.

Ordinance No. 47502. Northern Pacific Terminal Co., spur track, Ball street.

Ordinance No. 47668. O. W. R. R. & N. Co., spur track, Railroad street.

Ordinance No. 47831. S. P. & S. Co., two spur tracks, East Salmon and East Taylor streets.

Ordinance No. 48284. Portland Electric Power Co., street car tracks in Pine street, between Second and Third streets.

Ordinance No. 48375. Spur track on Tyndall street, from a point in the east line of said street in a northerly direction to a point in the northerly boundary line of the City of Portland, between Columbia boulevard and Trenton streets. Oregon-Washington Railroad and Navigation Co.

Ordinance No. 48570. Removal of all longitudinal railroad tracks, except sidings, spurs, switches, turnouts, cross-overs, curves and connections, on North Front street, between the northerly terminus thereof and the northwesterly line of Charles street in the City of Portland, and amending Section 1 of Ordinance No. 41413.

Ordinance No. 48732. Spur track on River street, from a point in the same, seventy-six and two-tenths (76.2) feet northerly of the north line of Lewis street, to a point at or near the north line of Albina avenue. Oregon-Washington Railroad and Navigation Co.

Ordinance No. 49010. Spur track upon East Third street, between East Alder street and East Morrison street. Oregon-Washington Railroad and Navigation Co.

Ordinance No. 49023. Additional track on Broadway between Salmon street and Madison street in the City of Portland, Oregon. Portland Electric Power Co.

Ordinance No. 49284. Spur tracks at three locations upon Front street, between Upshur street and Hull street. Commission of Public Docks.

Ordinanc No. 49503. Spur track upon the west side of Fifteenth street, between Kearney and Lovejoy streets. Northern Pacific Terminal Co.

Ordinance No. 49664. Spur track on Lafayette street. King Bros. Boiler Works, Inc.

Ordinance No. 49783. Standard gauge track upon the west side of Fifteenth street, between Hoyt and Irving streets. Northern Pacific Terminal Co. of Oregon, and Spokane, Portland and Seattle Railway Co.

Ordinance No. 49824. Standard gauge track upon, over and across the intersection of Interstate avenue and Argyle street. Oregon-Washington Railroad and Navigation Co.

Ordinance No. 50724. Spur track upon East Third street, between East Salmon street and East Madison street. Oregon-Washington Railroad and Navigation Co.

Ordinance No. 50725. Spur tracks upon First street. Southern Pacific Co.

Ordinance No. 51103. O.-W. R. & N. Company—an industrial spur track on East Second Street.

Ordinance No. 51300. Southern Pacific Company—standard gauge track across East Twenty-second Street immediately south of Bush Street.

Ordinance No. 51403. Southern Pacific Company—standard gauge tracks across East Twenty-second Street immediately south of Bush Street, and across Coquille Street immediately east of East Twenty-second Street.

Ordinance No. 51448. O.-W. R. & N. Company—industry spur track upon Loring Street, Albina between Nesmith and Harding Streets.

Ordinance No. 53102. Oregon-Washington Railroad and Navigation Company—industry spur track upon East Third Street, between the northerly line of East Madison Street and a point 107 feet south of the south line of East Madison Street.

Ordinance No. 53182—N. P. Terminal Co.—standard gauge spur track in York Street.

Ordinance No. 53196. Oregon-Washington Railroad and Navigation Co.—industry spur track upon the east side of East Second Street, from a point 100 feet north of the north line of East Main Street southerly to the north line of East Main Street.

Ordinance No. 53443. N. P. Terminal Company of Oregon and S. P. & S. Ry. Company—industry spur track upon Fifteenth Street between Raleigh Street and Savier Street.

Ordinance No. 53557. Portland Electric Power Company—spur track in Sixty-fourth Avenue, Southeast, One Hundred Second Street, Southeast.

PORTE COCHERE, AWNINGS, ETC.

Ordinance No. 11735. Porte Cochere over Alder street entrance of Meier & Frank Co. Meier & Frank Co.

Ordinance No. 13645. Porte Cochere over sidewalk at 149 Seventh street. L. E. Hamilton.

Ordinance No. 13909. Porte Cochere at 126 Sixth street. Bijou Theatre Co.

Ordinance No. 14394. (See Stairways.)

Ordinance No. 14584. Two Porte Cochere in front of Hotel Belvidere at Fourth and Alder streets. F. Stroebel & Co.

Ordinance No. 14758. Porte Cochere on Stark street between Seventh and Park streets. Wright Dickinson Co.

Ordinance No. 17714. Porte Cochere in front of 311 Alder street and 128 Sixth street. Strobel & Barenstecher.

Ordinance No. 17865. Porte Cochere in front of 131 Sixth street. Bakeronian Amusement Co.

Ordinance No. 21413. Wire glass awnings on buildings constructed on blocks 138 and 141, Couch's Addition. Fidelity Investment Co.

Ordinance No. 26254. Marquise entrance on bnilding on Fourth street known as Dekum Annex. Circle Amusement Co.

Ordinance No. 26672. Marquise on south side of building located on lot 1, block 91, Couch's Addition. Wadhams & Kerr Bros.

Ordinance No. 26892. Marquise at northeast corner of Third and Alder streets. Owners.

Ordinance No. 26904. Marquise in front of theater on lot 7, block 175. Rector Realty Co.

Ordinance No. 28269. Marquise at southeast corner of Thirteenth and Hoyt streets. Ella Eisenbach.

Ordinance No. 30932. Marquise on warehouse at Fifteenth and Overton streets. Mason-Ehrman Company.

Ordinance No. 31700. Strowbridge Estate to erect marquise on Lots 4-5-6, Block 14, Portland.

Ordinance No. 33042. Blodgett Investment Co., to maintain marquise at Broadway and Stark streets.

Ordinance No. 33148. Selling Building, to construct balcony at Sixth and Alder streets.

Ordinance No. 33796. Selling Building, construct balcony, 145 Sixth street.

Ordinance No. 34677. Bush & Lane, construct balcony, Broadway and Alder.

Ordinance No. 35651. Mt. Scott Cemetery, overhead shelter.

Ordinance No. 35671. Selling Building, construct balcony.

Ordinance No. 38215. J. C. English Co., construct balcony, 148 Fifth street.

Ordinance No. 38866. Oregonian Publishing Co., construct balcony.

Ordinance No. 39258. J. J. Parker, construct balcony, 552 Alder street.

Ordinance No. 39279. Calvin Heilig, construct balcony.

Ordinance No. 42396. Fahey Brockman Co., maintain marquise Sixth and Washington streets.

Ordinance No. 42569. Zellerbach Paper Co., erect mill balcony.

Ordinance No. 42582. Portland Artificial Ice Co., erect marquise, 384 North Eighteenth street.

Ordinance No. 42616. J. H. Luey, erect marquise, 354 East Nineteenth street, North.

Ordinance No. 42652. A. & C. Feldenheimer, erect marquise.

Ordinance No. 42693. Peerless Pacific Co., erect balcony.

Ordinance No. 42697. Young lady, permission to wear mask on street.

Ordinance No. 42706. G. H. Dammeur, install hydro electric elevator.

Ordinance No. 42714. Central Door & Lumber Co., maintain dry kiln, East Caruthers streets.

Ordinance No. 42719. Bacon Estate, construct marquise.

Ordinance No. 42801. Henry Weinhard Estate, construct marquise.

Ordinance No. 42832. J. T. Wilson, erect balcony.

Ordinance No 43059. Roberts Bros, erect balcony, 386 Morrison street.

Ordinance No. 43647. Charles Berg, erect balcony, 309 Morrison street.

Ordinance No. 45224. Meier & Frank Co., erect marquise, East Yamhill street.

Ordinance No. 47735. City of Portland, erect balcony public auditorium.

Ordinance No. 47865. Pacific Coast Amusement Co., erect extension to stage, Baker Theatre.

SIDEWALKS, BRIDGES AND STAIRWAYS

Ordinance No. 12082. Elevated bridge across Front street at Seventeenth street. J. A. Martin & Co.

Ordinance No. 13181. Raised sidewalk on Thirteenth street in front of lots 5 and 8, block 137, Couch's Addition. M. Seller & Co.

Ordinance No. 13511. Open stairway on Park street in front of lot 1, Park block 3. L. Therkelsen.

Ordinance No. 13761. Open stairway on Yamhill street in front of lot 5, block 251. J. D. Brown.

Ordinance No. 14088. Elevated sidewalk in front of lots 6 and 7, Block 136, Couch's Addition. Pacific Grain Co.

Ordinance No. 14394. Stairway and Porte Cochere in front of lot 1, south one-half of block 85, Portland. Western American Co.

Ordinance No. 14593. Open stairway on Fourteenth street in front of lot 1, block 312. Robert Wilson.

Ordinance No. 15008. Raised sidewalk in front of east 100 feet of south one-half of block 184, Couch's Addition. John A. Roeblings Sons Co.

Ordinance No. 15458. Stairway on Jefferson street near Second street. Meier & Frank Co.

Ordinance No. 15670. Stairway to basement of building on east side of Fourteenth street, 100 feet north of Washington street. Edgar M. Lazarus.

Ordinance No. 15723. Raised sidewalk on East Salmon street in front of lots 1 and 8 in block 134, Hawthorne Park. Crystal Ice & Storage Co.

Ordinance No. 15996. Steps from sidewalk on east side of Williams avenue 36 feet south of south line of Clackamas street. A. F. Swenson & Co.

Ordinance No. 16884. Elevated sidewalk on Third, Fourth and Hoyt streets in front of north one-half of block "O," Portland. Jos. & Sam Simon.

Ordinance No. 16887. Raised sidewalk on East Second street in front of lots 1, 2, 3 and 4, block 58, East Portland. Mitchell, Lewis & Staver Co.

Ordinance No. 17038. Elevated sidewalk on north side of Holladay avenue between 750 feet and 800 feet west of west line of East Twenty-eighth street. Blake-McFall Co.

Ordinance No. 17395. Vent in sidewalk on east side of Fifth street 40 feet south of Morrison street. H. W. Corbett Estate.

Ordinance No. 18965. Elevated sidewalk in front of lots 1 and 4, block 27, Watson's Addition. Carman Manufacturing Co.

Ordinance No. 19061. Elevated sidewalk in front of lot 2, block 204, Couch's Addition. F. V. Holman.

Ordinance No. 19177. Elevated sidewalk on east side of Thirteenth street between Davis and Everett streets. W. P. Fuller Co.

Ordinance No. 19984. Elevated sidewalk along Fifteenth street in front of lot 8, block 140, Couch's Addition. Owners.

Ordinance No. 19985. Elevated sidewalk along Fifteenth street in front of lot 7, block 183, Couch's Addition. Owners.

Ordinance No. 20831. Elevated sidewalk on East First street in front of lots 5 and 6, block 18, East Portland. Owners.

Ordinance No. 21414. Elevated sidewalk on east side of Fifteenth street between Johnson and Lovejoy streets. Fidelity Investment Co.

Ordinance No. 22302. Open stairway on Park street leading into Medical Building. F. O. Downing.

Ordinance No. 22633. Elevated plank roadway on north side of East Alder street between East Water street and Willamette River, including standard gauge track thereon. Nickum & Kelly.

Ordinance No. 22858. Elevated sidewalk on East Second street between East Morrison and East Alder streets. John Deere Plow Co.

Ordinance No. 22962. Elevated sidewalk on East Stark street from 50 feet east of East Water street to 100 feet east of East Water street. Owner of lot 1, block 21, East Portland.

Ordinance No. 24907. Elevated sidewalk on Eighteenth street between Thurman and Upshur streets. Owner lot 5, block 21, Watson's Addition.

Ordinance No. 25222. Elevated platform in front of pier 4, Broadway bridge. Albers Bros. Milling Co.

Ordinance No. 25670. Elevated platform at northwest corner of Fifteenth and Kearney streets. A. N. Moores.

Ordinance No. 26151. Elevated platform at southwest corner of Fifteenth and Hoyt streets. Multnomah Building Co.

Ordinance No. 26232. Elevated platform in front of lot 1, block 2, Blackistone's Addition. Macleay Estate Co.

Ordinance No. 26233. Elevated platform in front of lot 1, block 3, Blackistone's Addition. Macleay Estate Co.

Ordinance No. 26394. Elevated platform in front of lots 1 and 4, block 91, Couch's Addition. Wadhams & Kerr Bros.

Ordinance No. 27661. Elevated platform on east side of Fifteenth street between Thurman and Savier streets. Owners of lots 6 and 7, block 13, Watson's Addition.

Ordinance No. 27802. Wooden platform on south side of Irving street between Fifth and Sixth streets. Lutke Manufacturing Co.

Ordinance No. 28074. Elevated walk near northwest corner of Seventeenth and Upshur streets. Bridge & Beach Manufacturing Co.

Ordinance No. 28380. Wooden stairway on Occident street near Oregon street. Southern Pacific Co.

Ordinance No. 28636. Elevated platform in front of lots 6 and 7, block 99, Couch Addition. W. P. Crawford.

Ordinance No. 28832. Elevated platform in front of lots 1 and 2, block 44, East Portland. D. P. Thompson Co.

Ordinance No. 28940. Elevated platform on York street near Twenty-second street. W. M. Brady.

Ordinance No. 29186. Elevated platform on west side of Thirteenth street between Flanders and Glisan streets. The Goodyear Tire & Rubber Co.

Ordinance No. 29187. Trestle driveway on East Madison street west of East Water street.

Ordinance No. 29726. Elevated wooden sidewalk on east side of Second street north of Belmont street. Owner of lots 3 and 4, block 58, East Portland.

Ordinance No. 30406. Elevated platform in Harrison street, 150 feet east of Water street. Portland Lumber Company.

Ordinance No. 30451. Elevated platform on north side of East Ankeny street, between East Second and East Third streets. Oscar A. Heintz.

Ordinance No. 30632. Elevated wooden sidewalk on Fifteenth street in front of lot 5, block 121, Couch Addition. D. P. Thompson Company.

Ordinance No. 30834. Elevated platform on west side of Fifteenth street, at Overton street, in front of block 212, Couch's Addition. Mason-Ehrman & Company.

Ordinance No. 30933. Elevated roadway and platform in East Pine street, adjacent to block 23, East Portland. Standard Box and Lumber Company.

Ordinance No. 32033. Elevated platform on Thirteenth street, between Kearney and Lovejoy streets; Edward Campbell.

Platform and boiler on Ankeny street, east of Front street; Hazelwood Company.

Ordinance No. 45813. Supple Investment Co., loading platform, foot of Belmont street.

Ordinance No. 45883. Minnie Kabat, construct retaining wall, Seventeenth and Fremont street.

Ordinance No. 45908. Monarch Forge & Machine Works, erect loading platform, York street between Twenty-first and Blackistone.

Ordinance No. 46204. Eda B. Chambers, et al, erect a fence in street area of Ochoco avenue.

Ordinance No. 46411. Fry & Company, erect loading platform, East Third street.

Ordinance No. 46624 Mrs. L. M. Hedges, install sidewalk doors, Foster road, between Ninety-second and Ninety-third streets.

Ordinance No. 46840. Henry Dickson, construct retaining wall, Vista avenue.

Ordinance No. 46938. A. C. Friendly, erect pipe railings extending into Broadway.

Ordinance No. 46983. Southern Pacific Co., rebuild wooden walk, East Salmon street.

Ordinance No. 46984 Fred A. Amacher, rebuild elevated walk in "E" street, Linnton.

Ordinance No. 46985. Lang & Co., close stairway in building at No. 2 North First street.

Ordinance No. 47056. F. B. Mallory Co., construct plank roadway in York street.

Ordinance No. 47143. L. R. Fairchild, construct driveway, corner Twelfth and Clay streets.

Ordinance No. 47165. F. L. Freeberg, construct stone retaining wall.

Ordinance No. 47301. Christian Endeavor Convention, erect reviewing stand, Sixth street.

Ordinance No. 47476. George Penegar, construct conrete stairway in Nineteenth street, near Mill street.

Ordinance No. 47498 Pelton Estate Co., erect loading platform on Fourth street, near Glisan street.

Ordinance No. 47734. John Riehl, concrete steps, 516 Twenty-sixth street.

Ordinance No. 47830. Phegley & Cavender, maintain steps, East Fourteenth street, between Broadway and Schuyler streets.

Ordinance No. 47833. L. P. Hewitt, construct driveway, East Market street, between East Thirty-seventh and East Thiry-eighth streets.

Ordinance No. 47868. Portland Electric Power Co., to replace and maintain sidewalk doors, Alder street, between Sixth and Broadway.

Ordinance No. 47894. Mrs. E. A. Jackson, erect retaining wall, East Seventieth street, between Yamhill and Morrison streets.

Ordinance No. 48086. Henry Weinhard Estate, construct elevated sidewalk, East Third street at Burnside street.

Ordinance No. 48312. Shipley & Snashall, use roadway under Burnside bridge.

Ordinance No. 48313. S. H. Conrad, concrete wall, Front street, near Hamilton avenue.

Ordinance No. 48314. John R. Westervelt, Jr., construct retaining wall on Edgewood road.

Ordinance No. 31683. Mary H. Couch, elevated platform at Fifteenth and Pettygrove streets.

Ordinance No. 32864. St. Johns Planing Mill, to maintain an elevated platform on Bradford street.

Ordinance No. 33397. J. Brounstein & Son, elevated platform on Thirteenth street.

Ordinance No. 35576. H. Enke, to construct elevated wooden plat form at 15 Union avenue.

Ordinance No. 33938. S. P. & S. Ry. Co., to construct elevated wooden platform in East Yamhill street.

Ordinances No. 32863 and 34207. The Jobes Milling Co., to maintain elevated platform on Bradford street.

Ordinance No. 34208. The Jobes Milling Co., to maintain huilding in Bradford street.

Ordinances Nos. 31299 and 35261. Universal Nut Lock Co., to erect a wooden platform on East First street.

Ordinance No. 34439. John Kiernan, to maintain a wooden platform on Fifteenth street near Irving.

Ordinance No. 34477. Multnomah Lumber & Box Co., to construct wooden platform on Macadam street.

Ordinance No. 34503. Fidelity Investment Co. to construct bridge over Kearney street.

Ordinance No. 32187. Wall and steps in Talbot road; H. S. Boone.

Ordinance No. 31805. Stone wall at East Fifty-ninth and Stanton streets; Francis M. Harvey.

Ordinance No. 31911. Walk and retaining wall at Sixth and Sheridan streets; Eliz. E. and James B. Finnigan.

Ordinance No. 31918. Wooden platform at 488 Mill streets, between Fourteenth and Sixteenth streets; Mrs. Mary J. Walter.

Ordinance No. 31918. Wooden steps at 521 Mill street, between Sixteenth and Chapman streets; G. C. and Anton Rollman.

Ordinance No. 31918. Concrete steps at 530 Mill street, between Sixteenth and Chapman streets; Wm. Pfaff.

Ordinance No. 31918. Concrete steps at 532 Mill street, between Sixteenth and Chapman streets; H. E. Wood.

Ordinance No. 32011. Concrete and stone steps on Ross street, between Dixon and Cherry streets.

Ordinance No. 31918. Concrete steps at 534 Mill street, between Sixteenth and Chapman streets; Thomas Jones.

Ordinance No. 31918. Concrete steps at 515 Mill street, between Fourteenth and Sixteenth streets; Mrs. Martha Timms.

Ordinance No. 31918. Concrete steps at 490-492 Mill street, between Fourteenth and Sixth streets; Sarah F. and E. C. Goddard.

Ordinance No. 31918. Wooden steps at 504 Mill street, between Fourteenth and Sixteenth streets; Willie L. Caples.

Ordinance No. 31918. Concrete steps and stone wall at 496-498 Mill street, between Fourteenth and Sixteenth streets; Mary L. Preston.

Ordinance No. 31918. Concrete steps at 538 Mill street, between Sixteenth and Chapman streets; Geo. Ginstin.

Ordinance No. 31918. Wooden and concrete steps at 506 Mill street, between Fourteenth and Sixteenth streets; Moy Ling.

Ordinance No. 30971. Geo. C. Bradley, to construct retaining walls on Talbot Road.

Ordinance No. 31977. J. F. Cobb, to construct retaining wall on Montgomery Drive, etc.

Ordinance No. 32011. Permitting certain steps to extend into Ross street.

Ordinance No. 32443. Geo. Gienger, to construct concrete wall in Holland street.

Ordinance No. 32448. W. C. Lawrence, to construct retaining wall in Twenty-second street.

Ordinance No. 32581. F. P. Hallinan, to construct retaining wall and steps in Summit Drive.

Ordinance No. 32624. Oregon & Western Colonization Co., to construct retaining wall, etc., on Talbot Road.

Ordinance No. 33077. W. J. Patton, retaining wall.

Ordinance No. 38140. Yale Laundry, sheet iron wall.

Ordinance No. 38230. School District No. 1, stairway on Kelly street.

Ordinance No. 38833. Robert Mair, retaining wall.

Ordinance No. 39934. J. R. Nelson, concrete walk and steps in College street and Thirteenth street.

Ordinance No. 35520. Spokane, Portland & Seattle Railway, open shed across Overton street.

Ordinance No. 35327. Rose City Flour Mills, elevated platform in Bradford street.

Ordinance No. 35506. R. M. Wade Co., elevated platform in East First street.

Ordinance No. 36198. Vick Bros., elevated wooden sidewalk.

Ordinance No. 36427. O.-W. R. & N. Co., concrete platform on East Ash street.

Ordinance No. 36648. J. W. Pettit, elevated sidewalk on York street.

Ordinance No. 36928. Honeyman Hardware Co., concrete sidewalk.

Ordinance No. 36929. Portland Cordage Co., elevated sidewalk.

Ordinance No. 38194. Robert F. Riseling, cement sidewalk on Front street.

Ordinance No. 38230. School District No. 1, stairway in sidewalk space, Kelly street.

Ordinance No. 38627. L. L. Porter, wooden platform on East First street.

Ordinance No. 38698. Chinook Investment Co., wooden platform.

Ordinance No. 38760. E. D. Dewey, elevated sidewalk.

Ordinance No. 38775. George Lawrence Co., sidewalk door.

Ordinance No. 39084. Cross & Dimmett, cesspool in sidewalk area.

Ordinance No. 39468. Ballou & Wright, platform on Flanders street.

Ordinance No. 39781. C. A. Bell, concrete driveway in East Fifty-fifth street.

Ordinance No. 39934. J. R. Nelson, sidewalk and steps in College street and Thirteenth street.

Ordinance No. 40309. T. M. Fitzpatrick, to maintain sidewalks, Block 66, Couch Addition.

Ordinance No. 41363. Marion B. Weston to construct concrete steps.

Ordinance No. 41364. A. Meyer to construct concrete steps.

Ordinance No. 41832. H. Hirschberger to construct concrete steps on Patton Road.

Ordinance No. 39315. Mt. Tabor Methodist Church, construct ramp.

Ordinance No. 41833. Stella Hart, construct concrete steps, Patton road.

Ordinance No. 42179. Meier & Frank Co., construct concrete runways, Taylor street.

Ordinance No. 42328. E. M. Wiley, construct concrete steps, Patton road.

Ordinance No. 42686. Theo. Burkhart, construct driveway.

Ordinance No. 42716. Otto Nelson, maintain runway in Hancock street.

Ordinance No 42777. Mitchel, Lewis & Staver, erect runway across East Second street.

Ordinance No. 42832. J. T. Wilson, change stairway.

Ordinance No. 42878. Boys & Girls Aid Society, construct loading platform.

Ordinance No. 43048. Portland Rose Festival Association, construct platforms.

Ordinance No. 43151. Sarah W. Wightman, erect retaining wall.

Ordinance No. 43492. Edith A. Perry, construct conrete steps, Gerald avenue.

Ordinance No. 43714. Chris. A. Bell, construct stone wall, East Fifty-fifth street.

Ordinance No. 44116. A. O. Jackson, install flume on College street.

Ordinance No. 44407 Joseph Simon, construct elevated concrete sidewalk.

Ordinance No. 44468. Tony Liberto, construct stone wall.

Ordinance No. 44512. W. Eder, repair wooden sidewalk on Hooker street.

Ordinance No. 44604. McCraken-Ripley Co., loading platform on Railroad avenue.

Ordinance No. 44628. Heacock Sash & Door Co., construct wooden platform in Harrison street.

Ordinance No. 44630. G. Strohecker, construct retaining wall in street area.

Ordinance No. 44631. Prudential Finance Corporation, erect hotel building.

Ordinance No. 44678. Fairbanks, Morse & Co., loading platform on East Taylor street.

Ordinance No. 44737. William F. Stils, construct concrete driveway, East Thirty-second Court.

Ordinauce No. 44786. Emma Stiner, construct roadway from Terwilliger boulevard.

Ordinance No. 44857. Portland Brewing Co., erect loading platform, Upshur street.

Ordinance No. 45180. Fannie Frank, loading platform, Thirteenth street.

Ordinance No. 45217. W. F. Dillon, construct trap door, 634 Front street.

Ordinance No. 45325. H. Herschberger, construct retaining wall.

Ordinance No. 45326. Houghtaling & Dugan, construct sewer, Thirteenth street.

Ordinance No. 45435. Pacific Amusement Co., erect stage in theatre, Eleventh and Morrison streets.

Ordinance No. 45545. Phaegley & Cavender, Inc., maintain steps, East Fourteenth street.

Ordinance No. 45681. Nina L. McCulloch, Mrs., retaining wall, Gerald avenue.

Ordinance No. 45682. Nellie Gadsby, Mrs., loading platform, Thirteenth street.

Ordinance No. 45731. Davidson Baking Co., construct sidewalk grating, Oregon street.

Ordinance No. 48733. Loading platforms on the easterly side of Lewis street and the northerly side of River street, adjacent to Lots 1, 2, 7 and 8, Block 83, Albina. Northwestern Electric Co.

Ordinance No. 48970. Sidewalk door on the south side of East Couch street adjacent to Lots 1 and 2, Block 156, East Portland, with a clearance of not less than three and one-half feet between the southely edge of the door and the south line of East Couch street. P. R. Widmer.

Ordinance No. 49157. Concrete sidewalk and curb across East Ash street along the easterly side of East Thirty-third street. H. A. Green.

Ordinance No. 49441. Loading platform adjacent to place of business. Goodyear Tire & Rubber Co.

Ordinance No. 49784. Wooden loading platform within the sidewalk area along the west side of Fifteenth street, between Hoyt street and Irving street, adjacent to Lot 4, Block 121, Couch's Addition. D. P. Thompson Co.

Ordinance No. 51284—West-Made Desk Company—overhead passage way on Lewis Street, between Loring Street and Railroad Street.

Ordinance No. 52260. A. Keller—concrete steps in the street area of Fifty-second Street, Southeast, immediately south of Foster Road, adjacent to Lot 1, Block 1, Annabel.

Ordinance No. 52679. School District No. 1, Multnomah County—wooden steps occupying half of width of sidewalk on the easterly side of East Thirteenth Street, between Tolman Avenue and Henry Avenue.

Ordinance No. 53495. Portland Van and Storage Company, 199 East Broadway—concrete curb and steps projecting into street area on the northerly side of East Broadway between Larrabee Street and Benton Street.

FUEL OIL AND GASOLINE STORAGE TANKS, FILLING STATIONS, AND CURB PUMPS

Ordinance No. 15101. Fuel oil tank at southwest corner of Sixth and Oak streets. Wells Fargo & Co.

Ordinance No. 16518. Gasoline tank at southwest corner of Sixteenth and Alder streets. Portland Motor Car Co.

Ordinance No. 16572. Gasoline tank on East Third street between East Ash and East Ankeny streets. Herman Enke.

Ordinance No. 17001. Fuel oil tank in front of lot 2, Park block 2, on west side of Park street between Washington and Alder streets. C. W. Cornelius.

Ordinance No. 17037. Two fuel oil tanks on east side of Fifth street between 64 feet and 84 feet south of south line of Morrison street. H. W. Corbett Estate.

Ordinance No. 17358. Two tanks for storage of lubricating oils under sidewalk on Thirteenth street in front of lots 2 and 3, block 18, Couch's Addition. W. P. Fuller & Co.

Ordinance No. 17617. Oil tank on block 7, Couch's Addition. Portland Gas Co.

Ordinance No. 17713. Fuel oil tank in Seventh street in front of lots 6 and 7, north one-half of block 85, Portland. Beck Investment Co.

Ordinance No. 18207. Fuel oil tank on south one-half of block 8, East Portland. Warren Bros. Co.

Ordinance No. 18525. Two fuel oil tanks under east sidewalk on Sixth street between Morrison and Alder streets. Meier & Frank Co.

Ordinance No. 18708. Fuel oil tank on west side of Fifteenth street 75 feet south of south line of Glisan street. Lipman, Wolfe & co.

Ordinance No. 19137. Fuel oil tank on west side of East Sixth street 100 feet south of East Taylor street. Neustadter Bros.

Ordinance No. 19178. Fuel oil tank on north side of Broadway, 75 feet west of Grand avenue. State Laundry.

Ordinance No. 19259. Fuel oil tank on east side of Fourth street, 50 feet north of Stark street. Owners of Chamber of Commerce Bldg.

Ordinance No. 19602. Fuel oil tank on East Yamhill street, between Grand avenue and East Sixth street. United States Laundry Co.

Ordinance No. 20144. Fuel oil tank on East Water between East Washington street and East Stark street. National Cold Storage & Ice Co.

Ordinance No. 20556. Fuel oil tank, east side of Seventh street, 100 feet north of north line of Washington street. Imperial Hotel Co.

Ordinance No. 20695. Fuel oil tank on west side of Second street, 30 feet north of Everett street. Opera House Laundry Co.

Ordinance No. 20699. Fuel oil tank in West Park street, between Taylor and Salmon streets. Arlington Club.

Ordinance No. 20944. Two fuel oil tanks on west side of Third street, 90 feet north of Washington street. Jas. Stewart & Co.

Ordinance No. 20945. Fuel oil tank on Alder street, 80 feet west of Fourth street. Morgan, Fliedner & Boyce.

Ordinance No. 21149. Fuel oil tank on north side of East Everett street, 75 feet east of East Tenth street. Palace Laundry Co.

Ordinance No. 21926. Fuel oil tank on north side Belmont street, 100 feet east of East Seventh street. New York Bakery Co.

Ordinance No. 22044. Fuel oil tank on Alder street, between Fourth and Fifth streets. J. B. Yeon.

Ordinance No. 22051. Fuel oil tank on northeast corner of Twenty-first and Irving streets. S. B. Barker.

Ordinance No. 22294. Fuel oil tank under sidewalk on Yamhill street, 50 feet east of east line of Third street. Donald Mackay.

Ordinance No. 22330. Fuel oil tank on Sixth street, between Taylor and Yamhill streets. Y. M. C. A.

Ordinance No. 22532. Fuel oil tank on lots 6 and 7, block 2, Sherlock's Addition. Cocoanut Products Co.

Ordinance No. 22535. Fuel oil tank in front of lots 5 and 6, block 318, Couch's Addition. Albers Bros. Milling Co.

Ordinance No. 22614. Fuel oil tank in front of west 50 feet of lots 5 and 6, block 220, Portland. F. M. Warren.

Ordinance No. 22615. Fuel oil tank on west side of Sixth street, 100 feet south of Alder street. Ben Selling.

Ordinance No. 22859. Fuel oil tank on Seventeenth street, 112 feet south of south line of Raleigh street. Stein Bros.

Ordinance No. 22863. Fuel oil tank on south side of Jefferson street at southeast corner of Thirteenth street. Carmelita Apartments.

Ordinance No. 22864. Fuel oil tank in front of 43 Trinity Place. Trinity Place Investment Co.

Ordinance No. 22977. Fuel oil tank on East Water street, 5 feet north of East Washington street. Charles Smith.

Ordinance No. 22978. Fuel oil tank on block 11, East Portland. O'Reilly and Burpee.

Ordinance No. 23040. Fuel oil tank at northwest corner of Sixth and Alder streets. "The Oregonian."

Ordinance No. 23041. Fuel oil tank at southwest corner of Burnside and Fourteenth streets. I. Lowengart.

Ordinance No. 23140. Fuel oil tank at southwest corner of Sixth and Washington streets. T. B. Wilcox.

Ordinance No. 23141. Fuel oil tank on west side of East Ninth street, 80 feet north of East Yamhill street. Oregon Packing Co.

Ordinance No. 23231. Fuel oil tank on west side of Seventh street, 100 feet north of Mill street. School District No. 1.

Ordinance No. 23232. Fuel oil tank on East Clay street in front of lot 4, block 80, Stephens Addition. National Laundry Co.

Ordinance No. 23545. Fuel oil tank in front of 789 Northrup street. H. C. Stevens.

Ordinance No. 23546. Fuel oil tank on southwest corner of East Davis and East Sixth streets. F. F. Haradon & Son.

Ordinance No. 23548. Fuel oil tank on north side of Hawthorne avenue, 80 feet west of Grand avenue. E. A. Baldwin.

Ordinance No. 23631. Fuel oil tank on west side of Fifth street, 80 feet north of north line of Oak street. Portland Commercial Club.

Ordinance No. 23632. Fuel oil tank on east side of North Tenth street, 40 feet north of the north line of Burnside street. Z. Swett et al.

Ordinance No. 23788. Fuel oil tank at southwest corner of Twelfth and Taylor streets. Fred Fritz.

Ordinance No. 23789. Fuel oil tank on lot 4, block 134, City of Portland. Edward Holman.

Ordinance No. 23790. Fuel oil tank on west side of Sixth street, 40 feet north of Washington street. H. E. Wood and E. R. Pittelkau.

Ordinance No. 23792. Fuel oil tank on East Ninth street, 80 feet north of Schuyler street. P. J. McDonalds.

Ordinance No. 23793. Fuel oil tank in front of 432 Hawthorne avenue. Damascus Creamery.

Ordinance No. 23794. Fuel oil tank at foot of Tenth street. Balfour-Guthrie Co.

Ordinance No. 23803. Fuel oil tank at northeast corner of Marion avenue and East Ninth street. Mt. Hood Brewing Co.

Ordinance No. 23805. Fuel oil tank at northwest corner of East Stark and East Thirteenth streets. Enterprise Bakery.

Ordinance No. 23806. Fuel oil tank at northeast corner of Park and Morrison streets. Joseph Healey.

Ordinance No. 23932. Fuel oil tank, southwest corner Third and Washington streets. Sweeny Investment Co.

Ordinance No. 23933. Fuel oil tank east side of North Twenty-second street, 85 feet north of north line of Glisan street. M. Ballay.

Ordinance No. 24026. Fuel oil tank at southwest corner of Third and Oak streets. Wm. Sherlock Co.

Ordinance No. 24027. Fuel oil tank at southeast corner of Oak and Third streets. Portland Trust Co.

Ordinance No. 24094. Fuel oil tank at southeast corner of Hooker street and Southern Pacific right of way. Multnomah County.

Ordinance No. 24095. Fuel oil tank on south side Washington street, 80 feet west of Fifth street. Corbett Estate et al.

Ordinance No. 24097. Fuel oil tank on west side of Twenty-first street, 50 feet south of Washington street. Covey Motor Car Co.

Ordinance No. 24109. Fuel oil tank on north side of Davis street, 90 feet east of Third street. R. R. Thompson Estate Co.

Ordinance No. 24110. Fuel oil tank at southeast corner of East Eleventh and East Flanders streets. Franz Bros.

Ordinance No. 24111. Fuel oil tank south side of Ash street, 30 feet west of Third street. R. R. Thompson Estate Co.

Ordinance No. 24330. Fuel oil tank at southeast corner of St. Clair and Washington streets. Mrs. E. J. Frohman.

Ordinance No. 24341. Fuel oil tank on west side of Twelfth street in front of lot 1, block 107, Couch's Addition. H. J. Ottenheimer.

Ordinance No. 24398. Fuel oil tank on east side of Ninth street at intersection of Irving street, vacated. Northern Pacific Terminal Co.

Ordinance No. 24399. Fuel oil tank on north side of East Oak street, 75 feet east of East Sixth street. International Laundry Co.

Ordinance No. 24400. Fuel oil tank on east side of West Park street, 80 feet north of Alder street. L. G. Clarke and W. F. Woodward.

Ordinance No. 24401. Fuel oil tank on east side of Twelfth street, 75 feet north of Washington street. Cramer & Fries.

Ordinance No. 24496. Fuel oil tank on north side of East Flanders street, between Union avenue and East Third street. E. Henry Wemme.

Ordinance No. 24497. Fuel oil tank on north side of Washington street, 60 feet west of west line of Fifth street. Estate of Stephen Meade.

Ordinance No. 24498. Fuel oil tank on north side of Washington street, 85 feet east of east line of Twentieth street. Mrs. P. M. Dekum.

Ordinance No. 24635. Fuel oil tank on east side of Third street, 50 feet south of south line of Washington street. W. C. Alvord, Agt.

Ordinance No. 24636. Fuel oil tank on south side of East Davis street, 90 feet west of west line of Union avenue. W. O. Jackson.

Ordinance No. 24637. Fuel oil tank at southeast corner of Seventh and Yamhill streets. Journal Publishing Co.

Ordinance No. 24787. Fuel oil tank on north side of Taylor street, 150 feet west of Seventh street. Heilig Theater Co.

Ordinance No. 24826. Fuel oil tank at northeast corner of East Twenty-first and East Glisan streets. Crystal Laundry Co.

Ordinance No. 24996. Fuel oil tank at northwest corner of Twentieth and Kearney streets. R. F. Wassell.

Ordinance No. 24997. Fuel oil tank at northwest corner of East Fifteenth and Belmont streets. Bailey, Taylor & Lambert.

Ordinance No. 25068. Fuel oil tank at southeast corner of First and Multnomah streets. M. Olsen.

Ordinance No. 25213. Fuel oil tank at southwest corner of East Twenty-first and Irving streets. House of Good Shepherd.

Ordinance No. 25396. Fuel oil tank on block 19, Riverside Homestead. Portland Railway, Light & Power Co.

Ordinance No. 25397. Fuel oil tank at southwest corner of Tenth and Stark streets. Crown Trust Co.

Ordinance No. 25398. Fuel oil tank at southwest corner of Seventh and Oak streets. S. Benson.

Ordinance No. 25426. Fuel oil tank in front of 26 North Fifteenth street. Laher Auto Spring Co.

Ordinance No. 25473. Fuel oil tank at southeast corner of Twenty-third and Hoyt streets. Wright Investment Co.

Ordinance No. 25474. Fuel oil tank at southeast corner of Fifth and Alder streets. Failing Estate.

Ordinance No. 25475. Fuel oil tank in front of 178 Hooker street. School Board.

Ordinance No. 25499. Fuel oil tank on north side of Yamhill street, 80 feet west of the west line of Lownsdale street. Rufus Mallory.

Ordinance No. 25589. Fuel oil tank at 206 Porter street. Miss A. R. Rundle.

Ordinance No. 25590. Fuel oil tank at northeast corner of East Couch street and Union avenue. Chambers & Widmer.

Ordinance No. 25738. Fuel oil tank on west side of Front street, 60 feet south of southerly line of Nicolai street. Portland Railway, Light & Power Co.

Ordinance No. 25739. Two fuel oil tanks on west side of Tenth street, between Pettygrove and Quimby streets. Spokane, Portland & Seattle Co.

Ordinance No. 25824. Gasoline tank on north side of Ankeny street, between Fourth and Fifth streets. Pacific Paper Co.

Ordinance No. 25825. Fuel oil tank on east side of East Third street, 215 feet north of the north line of East Glisan street. American Laundry Co.

Ordinance No. 25826. Fuel oil tank on south side of Yamhill street, 20 feet west of Tenth street. Multnomah County Library Association.

Ordinance No. 25827. Fuel oil tank on east side of Thirteenth street, 60 feet north of Alder street. Mrs. H. Rieman.

Ordinance No. 25841. Gasoline filling station at 1063 Hawthorne avenue. H. O. Peck.

Ordinance No. 25842. Gasoline filling station at northwest corner of Twenty-third street and Cornell road. Portland Motor Car Co.

Ordinance No. 25897. Fuel oil tank at 644 Lovejoy street. Barrett Estate.

Ordinance No. 25978. Fnel oil tank at 531 East Thirteenth street. Star Drilling Machine Co.

Ordinance No. 25979. Fuel oil tank at 209 North Thirteenth street. Edward Campbell.

Ordinance No. 26049. Fuel oil tank on block "Z," Westover Terrace. Central Heating Co.

Ordinance No. 26050. Fuel oil tank on west side of East Eleventh street, between East Alder and East Morrison streets. J. D. Wharton.

Ordinance No. 26051. Fuel oil tank at 64-66 Trinity Place. Metropolitan Investment & Imp. Co.

Ordinance No. 26135. Fuel oil tank at northeast corner of Second and Yamhill streets. Strowbridge Estate.

Ordinance No. 26214. Fuel oil tank at northeast corner of Fifth and Columbia streets. Amelia C. Seeley.

Ordinance No. 26299. Fuel oil tank at southeast corner of East Thirteenth and East Ash streets. Owner Lots 1 and 2, Block 279, Aiken's Addition.

Ordinance No. 26300. Fuel oil tank at northwest corner of Thirteenth and Davis streets. Wadhams & Kerr Bros.

Ordinance No. 26301. Fuel oil tank at northwest corner of Seventh and Morrison streets. Multnomah Security Co.

Ordinance No. 26302. Gasoline filling station at southeast corner of East Eighth and Hawthorne avenue. Paquet Garage Co.

Ordinance No. 26303. Fuel oil tank at northeast corner of Sixth and Jefferson streets. University Club.

Ordinance No. 26430. Gasoline filling station at 717 Hawthorne avenue. Auto Truck Service Co.

Ordinance No. 26431. Gasoline filling station at northeast corner of Alder and Lownsdale streets. Oregon Auto Exchange.

Ordinance No. 26432. Gasoline filling station at southeast corner of East Seventh and East Ankeny streets. Tyrell & King Transportation Co.

Ordinance No. 26628. Fuel oil tank at southeast corner of East Thirty-seventh and Belmont streets. J. M. Wallace and P. Schuele.

Ordinance No. 26725. Fuel oil tank at 2-4 North Front street. Spaulding Estate.

Ordinance No. 26726. Fuel oil tank at southwest corner of Seventh and Washington streets. Morgan Bushong Investment Co.

Ordinance No. 26727. Fuel oil tank at northeast corner of Seventh and Burnside streets. Matichner Bros.

Ordinance No. 26794. Fuel oil tank at southwest corner of Third and Flanders streets. Otto W. Nelson.

Ordinance No. 26795. Gasoline filling station at northwest corner of Broadway and Burnside streets. E. H. Wemme.

Ordinance No. 26796. Gasoline filling station at 374 Wasco street. Ralph B. Lloyd.

Ordinance No. 26887. Gasoline filling station at northeast corner of Thirteenth and Hawthorne avenue. Kadderly and Francis.

Ordinance No. 26888. Fuel oil tank at northeast corner of East Pine and East Tenth streets. Troy Laundry Co.

Ordinance No. 26889. Gasoline filling station at northeast corner of East Fifteenth and Broadway. Povey Brothers.

Ordinance No. 26890. Fuel oil tank at 632 Tillamook street. F. E. Bowman Co.

Ordinance No. 26949. Gasoline filling station at northwest corner of Sixth and Oak streets. Portland Railway, Light & Power Co.

Ordinance No. 26950. Gasoline filling station at 192½ Fourth street. Central Investment Co.

Ordinance No. 27066. Fuel oil tank at 57 Lucretia Place. S. Silverfield.

Ordinance No. 27067. Gasoline filling station at 364 Ross street. Bell Maham.

Ordinance No. 27068. Gasoline filling station at northeast corner of Front and Ankeny streets. Spaulding Estate.

Ordinance No. 27131. Fuel oil tank at northwest corner of Thirteenth and Salmon streets. I. M. Buell.

Ordinance No. 27209. Fuel oil tank at southwest corner of East Eleventh and East Flanders streets. J. W. Vogan.

Ordinance No. 27213. Four oil intakes and pipes in Stark street, between West Park and Tenth streets. Northwestern Electric Co.

Ordinance No. 27238. Gasoline filling station on west side of Williams avenue, between Failing and Shaver streets. J. N. Muzzy.

Ordinance No. 27430. Fuel oil tank on north side of Marshall street, 160 feet east of Twenty-third street. Good Samaritan Hospital Co.

Ordinance No. 27446. Gasoline filling station at 229 Salmon street. T. H. Richardson.

Ordinance No. 27447. Fuel oil tank at northeast corner of Third and Couch streets. A. C. Pike.

Ordinance No. 27448. Gasoline filling station at 1152 Belmont street. John Eder.

Ordinance No. 27505. Gasoline filling station at 760 Halsey street. J. Wood Smith.

Ordinance No. 27547. Gasoline filling station at northeast corner of Couch and Broadway. C. Henri Labbe.

Ordinance No. 27548. Fuel oil tank at southwest corner of East Thirteenth and East Morrison streets. R. F. Wassell & Co.

Ordinance No. 27589. Fuel oil tank at northeast corner of Morrison and Broadway. Northwestern National Bank.

Ordinance No. 27590. Gasoline filling station at 190 Chapman street. John McKinney.

Ordinance No. 27650. Fuel oil tank at northeast corner of Third and Alder streets. Fred Fritz.

Ordinance No. 27651. Fuel oil tank at southwest corner of Eighteenth and Flanders streets. W. R. Griffith.

Ordinance No. 27688. Gasoline filling station at 708 Division street. Augusta Jahnke.

Ordinance No. 27774. Fuel oil tank at East Eighth and Burnside streets. Page Investment Co.

Ordinance No. 27775. Gasoline filling station corner East Forty-fifth and Sandy Boulevard. Hartman & Thompson.

Ordinance No. 27776. Fuel oil tank at Park and Oak streets. Pacific Telephone & Telegraph Co.

Ordinance No. 27777. Gasoline filling station at 368 Union avenue. Fred K. Viereck.

Ordinance No. 27835. Fuel oil tank at Fourth and Alder streets. Henry Weinhard Estate.

Ordinance No. 27836. Fuel oil tank at East Sixteenth and Weidler streets. Charles Frazier.

Ordinance No. 27837. Fuel oil tank at West Park and Washington streets. T. B. Wilcox.

Ordinance No. 27838. Gasoline filling station at Broadway and Couch streets. C. Henri Labbe.

Ordinance No. 27880. Gasoline filling station at 207 East Sixth street North. Geo. W. Bracey.

Ordinance No. 27921. Fuel oil tank at Tenth and Hall streets. W. L. Woods.

Ordinance No. 27963. Fuel oil tank at 3 First street. Biddle, Thompson & Kelly.

Ordinance No. 27992. Fuel oil tank at Grand avenue and East Burnside streets. C. W. Williamson.

Ordinance No. 28029. Gasoline filling station at 840 Mississippi avenue. A. L. Sauvie.

Ordinance No. 28052. Eight fuel oil tanks at Tenth, between Stark and Washington streets. Northwestern Electric Co.

Ordinance No. 28070. Fuel oil tank at Sixth and Irving streets. J. M. James Estate.

Ordinance No. 28113. Fuel oil tank at Williams avenue and Stanton street. A. Christie.

Ordinance No. 28114. Gasoline filling station at East Twenty-fourth street and Broadway. J. C. Baird.

Ordinance No. 28264. Gasoline filling station at 127 Broadway. Ralph Hoyt.

Ordinance No. 28265. Gasoline filling station at 181 Sixth street Corbett Estate.

Ordinance No. 28266. Gasoline filling station at 314 East Morrison street. J. S. Beall.

Ordinance No. 28267. Gasoline filling station at 995 Hawthorne avenue. J. D. Harms.

Ordinance No. 28298. Gasoline filling station at northeast corner of East Thirty-eighth street and Sandy Boulevard. A. Spier.

Ordinance No. 28299. Gasoline filling station at 15 North Ninth street. E. Meyers.

Ordinance No. 28345. Gasoline filling station at southwest corner of East Water and East Madison streets. O'Reiley and Burpee.

Ordinance No. 28346. Fuel oil tank at southwest corner of East Eleventh and Division streets. Ford Motor Co.

Ordinance No. 28392. Gasoline filling station at 1610 East Thirteenth street. D. M. Donaugh.

Ordinance No. 28393. Fuel oil tank at northwest corner of Tenth and Hall streets. W. L. Woods.

Ordinance No. 28497. Gasoline filling station at 12 Second street. Biddle, Thompson & Kelly.

Ordinance No. 28498. Gasoline filling station at southeast corner of Sixteenth and Alder streets. Leslie Scott.

Ordinance No. 28499. Gasoline filling station at 128½ Broadway. McGinn Estate.

Ordinance No. 28550. Gasoline tank at 430 Hawthorne avenue. Peter and Andrew Vetsch.

Ordinance No. 28589. Gasoline filling station at southeast corner of East Second and Broadway. R. J. O'Neil.

Ordinance No. 28590. Fuel oil tank at southeast corner East Twenty-third and East Irving streets. E. M. Rasmussen & Son.

Ordinance No. 28591. Gasoline filling station at 478 East Eleventh street. Milton Hager.

Ordinance No. 28605. Gasoline filling station at 886 Union avenue North. C. A. Colfelt.

Ordinance No. 28606. Gasoline filling station at 191 Fourth street. L. B. Menefee.

Ordinance No. 28650. Gasoline filling station at 726 Division street. Martin Fromme.

Ordinance No. 28700. Gasoline filling station at 526 Alder street. H. E. Coleman.

Ordinance No. 28701. Gasoline filling station at 704 Kearney street. Wm. Reidt.

Ordinance No. 28747. Gasoline filling station at 335 Ankeny street. C. A. Malarkey.

Ordinance No. 28830. Gasoline filling station at southeast corner of Tenino avenue and East Seventeenth street. W. W. Wing and W. F. Neild.

Ordinance No. 28831. Fuel oil tank at southwest corner of Second and Everett streets. A. J. Peaper.

Ordinance No. 28860. Gasoline filling station at 431 East Eleventh street. H. P. Whitman.

Ordinance No. 28861. Gasoline filling station at 188 Chapman street. John McKinney.

Ordinance No. 28862. Fuel oil tank in front of lot 1, block 154. East Portland. Herman Enke.

Ordinance No. 28863. Gasoline filling station at 357 Burnside street. M. Rothfos.

Ordinance No. 28884. Gasoline filling station at 495 Alder street. Jos. Bergman.

Ordinance No. 28885. Gasoline filling station at 244 Second street. College Endowment Association.

Ordinance No. 28934. Gasoline filling station at 1614 East Seventeenth street. Alex. and Minnie Campbell.

Ordinance No. 28935. Gasoline filling station at 93 North Park street. D. S. Williams and Jas. Beggs.

Ordinance No. 28936. Gasoline filling station at 67 Sixth street. Corbett estate.

Ordinance No. 28937. Gasoline filling station at 755 Belmont street. Bella P. Dailey.

Ordinance No. 28938. Gasoline filling station at southeast corner of Fourteenth and Burnside streets. Paul Van Fridagh.

Ordinance No. 28939. Gasoline filling station at 335 Burnside street. John and Jos. Matschiner.

Ordinance No. 28968. Gasoline filling station at 10 Broadway. C. A. Malarkey.

Ordinance No. 28969. Gasoline filling station at 1043 Williams avenue. Lumsden Estate.

Ordinance No. 28976. Fuel oil tank at northwest corner East Water and East Madison streets. S. P. & S. Ry Co.

Ordinance No. 29009. Gasoline filling station at 103 East Water street. Ladd Estate Co.

Ordinance No. 29073. Gasoline filling station at southeast corner Knott street and Williams avenue. T. W. B. London.

Ordinance No. 29074. Gasoline filling station at 993 Belmont street. W. M. Bradford.

Ordinance No. 29075. Gasoline filling station at northwest corner of East Stark and East Twenty-ninth streets. W. B. Smith.

Ordinance No. 29110. Gasoline filling station at 335 North Seventeenth street. Ned Munger.

Ordinance No. 29101. Fuel oil tank at 145 Monroe street. Mrs. W. A. Thompson.

Ordinance No. 29127. Gasoline filling station at 42 Third street. R. R. Thompson Estate.

Ordinance No. 29128. Gasoline filling station at 209 Front street. Fletcher Linn.

Ordinance No. 29129. Fuel oil tank at northeast corner of East Thirty-seventh and East Market streets. Mrs. Burdette.

Ordinance No. 29156. Fuel oil tank at northeast corner of East Fifty-fourth street and Sandy Boulevard. Sisters of the Holy Child.

Ordinance No. 29157. Fuel oil tank at 1092½ Hawthorne avenue. Rudolph Christman.

Ordinance No. 29212. Gasoline filling station at 361 East Eleventh street. I. F. Beales.

Ordinance No. 29213. Gasoline filling station at southeast corner of East Tenth street and East Burnside street. D. C. Powell.

Ordinance No. 29214. Gasoline filling station at 340 Oregon street. Thomas Farrell.

Ordinance No. 29215. Gasoline filling station at 429 Belmont street. Jessie B. Dawley.

Ordinance No. 29216. Gasoline filling station at southeast corner of Willamette Boulevard and Gay street. Peter Schnell.

Ordinance No. 29217. Fuel oil tank at northeast corner of Nineteenth and Lovejoy streets. Royal Arms Co.

Ordinance No. 29236. Fuel oil tank at southeast corner of First and Main streets. Jos. Clossett.

Ordinance No. 29237. Gasoline filling station at 1733 Derby street. Huesner and Heisler.

Ordinance No. 29241. Fuel oil tank at southeast corner of Nineteenth and Marshall streets. Jos. Simon.

Ordinance No. 29242. Fuel oil tank at southeast corner of Ninth and Flanders streets. City Laundry Co.

Ordinance No. 29243. Gasoline filling station at 1254 Belmont street. Mike Arndt.

Ordinance No. 29244. Gasoline filling station at 506 Williams avenue. J. Johnston.

Ordinance No. 29248. Gasoline filling station at 209 Fourth street. H. J. Morrison.

Ordinance No. 29249. Gasoline filling station at 269 Sixteenth street. John H. Montgomery.

Ordinance No. 29266. Gasoline filling station at 266 Eleventh street. W. S. Biddle.

Ordinance No. 29301. Gasoline filling station at 434 Alder street D. P. Thompson Estate Co.

Ordinance No. 29327. Fuel oil tank at northwest corner of East Twenty-fourth street and Sandy Boulevard. E. M. Rasmussen & Son, Inc.

Ordinance No. 29328. Gasoline filling station at 409 Williams avenue. E. V. Berwick.

Ordinance No. 29413. Fuel oil tank at 262 Park street. M. and A. Shogren.

Ordinance No. 29414. Fuel oil tank at northwest corner of Twentieth and Marshall streets. Mary E. Couch.

Ordinance No. 29415. Fuel oil tank at 429 Harrison street. H. D. Triplett.

Ordinance No. 29480. Gasoline filling station at 1372 Division street. C. W. Eiler.

Ordinance No. 29562. Gasoline filling station in front of lot 5, block 7, Etna Addition. Thomas Edwards.

Ordinance No. 29592. Fuel oil tank at 250 Twelfth street. I. L. Harper.

Ordinance No. 29593. Fuel oil tank at 273 Salmon street. A. & C. Feldenheimer.

Ordinance No. 29630. Fuel oil tank at 656 Flanders street. O. J. Sherman.

Ordinance No. 29631. Fuel oil tank at Imperial Heights. H. L. Pittock.

Ordinance No. 29658. Fuel oil tank at 91 East Fourteenth street. School District No. 1.

Ordinance No. 29659. Fuel oil tank at 561 East Alder street. School District No. 1.

Ordinance No. 29660. Fuel oil tank at 1040 East Ankeny street. H. R. Albee.

Ordinance No. 29661. Fuel oil tank at 26½ Twentieth street North. Clara N. Hall.

Ordinance No. 29662. Fuel oil tank at 925 The Crescent. H. J. & L. D. Murphy.

Ordinance No. 29663. Fuel oil tank at 281 East Salmon street. Security Savings & Trust Co.

Ordinance No. 29664. Fuel oil tank at 291 East Salmon street. Security Savings & Trust Co.

Ordinance No. 29665. Fuel oil tank at 278 East Salmon street. Columbia Contract Co.

Ordinance No. 29666. Gasoline filling station at 754 East Morrison street. Bella P. Dailey.

Ordinance No. 29696. Gasoline filling station at 552 Union avenue North. B. Ehlinger.

Ordinance No. 29697. Gasoline filling station at 369 Hawthorne avenue. Ambrose Scott.

Ordinance No. 29699. Gasoline filling station at southeast corner of East Twelfth and East Burnside streets. Adolph A. Dekum.

Distillate Storage tank and filling pump at 327 Ankeny street, between Sixth street and Broadway; Wilder Bros.

Gasoline storage tank and filling pump at 668 Milwaukie street, between Frederick and Karl streets; F. G. Urfer.

Gasoline filling pump at 1220 Willamette Boulevard, between Wall street and Macrum street; Peninsular Lumber Co.

Gasoline filling pump at 369 Hawthorne avenue, between Third street and Union avenue; The Scott Co.

Gasoline and distillate storage tanks and filling pumps at 410 Stark street; Title & Trust Company, receiver.

Gasoline storage tank and filling station at 817 Williams avenue; James L. Kelly.

Gasoline storage tank and filling station at 351 First street, between Market and Mill streets; Reed Institute.

Gasoline filling pump and storage tank at 712 Williams avenue, between Cook avenue and Ivy street; John M. Pittenger.

Gasoline storage tank and pump at 84 and 86 Broadway, between Everett street and Flanders street; Stanley S. Thompson.

Gasoline storage tank and pump at 1258 Belmont street, between East Forty-second street and East Forty-third street; Ottilie Arndt.

Gasoline filling station at 863 Union avenue, between Mason street and Shaver street; Miller Wood Company.

Gasoline filling pump and tank at 1403 Columbia boulevard, between Fessenden and Gilbert streets; M. L. Holbrook.

Gasoline filling pump and storage tank, No. 2209 East Glisan street, between East Eighty-ninth and East Ninety-first streets; H. S. Amos.

Gasoline filling pump at 188 and 190 Chapman street, between Yamhill and Taylor streets; John McKinney.

Gasoline storage tank and filling pump on Thurman street, between Twenty-seventh and twenty-eighth streets; Beno & Ballis.

Gasoline storage tank and filling pump at 328 Pine street, between Sixth and Broadway; Corbett Estate.

Gasoline storage tank and pump at 329 Front street, between Clay and Market streets; Mrs. Yetta Cohn.

Gasoline filling station at 34 Third street, between Ash and Ankeny streets; Fred Bickel.

Gasoline storage tank and filling pump at 52 and 54 Sixth street, between Pine and Ankeny streets; Russel & Blythe.

Gasoline storage tank and filling pump at 14 North Broadway, between Ankeny and Burnside streets; C. A. Malarkey & Son.

Gasoline storage Tank at 188-190 Chapman street, between Yamhill and Taylor street; John McKinney.

Gasoline storage tank and filling pump at 840 Sandy boulevard; J. Legler.

Gasoline filling tank and filling pump at 1372 Division street; C. A. Rusco.

Gasoline filling station and storage tank at 109 Eleventh street, between Washington and Stark streets; S. M. Cohn Real Estate Investment Company.

Gasoline storage tank and gasoline pump on Oak street, between Park and West Park streets; Jas. T. Barron.

Gasoline storage tank and pump at 1415 Sandy boulevard, between East Fifty-first and East Fifty-second streets; V. A. Crum.

Gasoline storage tank and pump at 108 Second street, between Washington and Stark streets; Labbe Bros.

Gasoline filling station at 1883 East Glisan street, between East Seventy-fourth and East Seventy-fifth streets; Jessie E. Baughman.

Gasoline filling station at 72 Sixth street, between Pine and Oak streets; Blythe & Russell.

Gasoline filling station at 1854 Fremont street, between East Seventy-first and East Seventy-second streets; Edwards & Taff.

Gasoline storage tank and pump at 639 Union avenue, between Ivy street and Cook avenue; W. W. Graybeal.

Gasoline filling pump at 707 Belmont street, between East Twentieth and East Twenty-first streets; B. T. Miller.

Gasoline tank and filling station at 1440 East Stark street, between East Fifty-second and East Fifty-third streets; O. C. Bell.

Gasoline storage tank and pump at 414 Stark street; The Title & Trust Company, receiver.

Gasoline filling pump at 993 Belmont street, between East Thirty-third and East Thirty-fourth streets; Wm. Bradford.

Distillate storage tank and gasoline filling pump at 482 Williams avenue, between Page and Eugene streets; Gus H. Hinnenkamp.

Gasoline filling pump at 482 Williams avenue, between Page and Eugene streets; Gus H. Hinnenkamp.

Distillate filling pump on East Seventeenth street, between East Ash and East Pine streets; W. Nicholson.

Gasoline filling pump on Broadway, between Couch and Davis streets; Labbe Bros.

Gasoline filling pump at 444 Belmont street, between East Seventh and East Eighth streets; J. H. Johnson.

Gasoline filling pump and distillate filling pump at 839 Union avenue, between Failing and Shaver streets; Lizzie Swetland.

Gasoline filling station at 209 Union avenue, between Holladay avenue and Oregon street; O. W. West.

Gasoline filling pump at 102 N. Jersey street, between Burlington and Chicago streets; Henry Bickner.

Gasoline filling pump at 363 East Eleventh street, between East Stephens and East Harrison streets; I. F. Beals.

Distillate storage tank at 1637 Macadam road, between Virginia and Miles streets; B. M. Lombard.

Gasoline storage tank on S. W. corner of Wasco street and Union avenue; R. B. Loyd.

Gasoline storage tank at 25 North Broadway, between Burnside and Couch streets; H. L. Keats Auto Company.

Gasoline storage tank at Stockdale on Linnton road; Oregon Cooperage Company.

Gasoline storage tank at 276 Taylor street; Sol Bloom.

Gasoline storage tank at 369 Hawthorne avenue; T. L. Scott Co.

Gasoline storage tank at 388 Couch street; S. Lowengart Estate.

Gasoline storage tank at 2026 East Stark street, corner of East Eighty-first street; N. L. Ackles.

Gasoline storage tank at 375 Weidler street; Chas. M. Nelson.

Gasoline storage tank at 215 Sixteenth street; J. Kamm Estate.

Gasoline tanks, Albina Shop Yards; Oregon-Washington Railroad & Navigation Company.

Gasoline storage tank at 2049 East Eighty-second street; Francis E. Stantrope.

Gasoline storage tank at 812 Corbett street, between Whitaker and Gibbs streets; Susie Widness.

Gasoline storage tank at 121 Third street, between Glisan and Hoyt streets; Pelton Estate.

Gasoline storage tank at 103 West Richmond street, between Jersey and Ivanhoe streets; Peterson & Lindsay.

Gasoline storage tank at 14 East Third street, between East Ash and East Ankeny streets

Gasoline storage tank at 749 First street; Sidney Wallace.

Gasoline storage tank at 774 Sandy boulevard, between East Twenty-second and East Twenty-fourth streets; Chas. H. Fox.

Gasoline storage tank at northeast corner of Davis street and Broadway, between Sixth street and Broadway; Mary T. O'Brien Estate.

Storage tank for distillate at East Second street and East Yamhill street, between East First and East Second streets; M. B. Wakman.

Gasoline storage tank at 553 Jefferson street, between Seventeenth and Chapman streets; Bridget Frainey.

Benzol storage tank at 315 East Main street, between East Water and East First streets; Standard Oil Company.

Distillate storage tank at 634 East Ash street, between East Seventeenth and East Eighteenth streets; Mr. Nicholson.

Distillate storage tank on Broadway, between Couch and Davis street; Labbe Bros.

Gasoline storage tank at 150 Page street, between Borthwick and Ross streets; E. H. Ingham.

Gasoline storage tank at 61 Union avenue, between East Everett and East Davis streets; J. F. Kerrigan.

Gasoline storage tank at 102 North Jersey street; Henry Buckner.

Ordinance No. 31884. O.-W. R. & N. Co., two storage tanks.

Ordinance No. 32902. Northwestern Electric Co., oil storage tank Twelfth street and Flanders street.

Ordinance No. 33273. Union Oil Co., two fuel oil tanks in Linnton.

Ordinance No. 33831. Union Oil Co., Deisel oil tanks in Linnton.

Ordinance No. 33863. Northwestern Electric Co., fuel oil tanks, Lincoln and Hood streets.

Ordinance No. 34843. W. P. Fuller & Co., turpentine storage tanks, Nicolai street and Sherlock avenue.

Ordinance No. 34866. Southern Pacific Railway Co., storage tank, East Seventeenth street and Holgate street.

Ordinance No. 35179. Pacific Coast Still Co., oil storage tank, East Willbridge.

Ordinance No. 36033. Union Oil Co., lubricationg oils storage tanks.

Ordinance No. 36395. Union Oil Co., storage tank, St. Helens road.

Ordinance No. 35872. Ida B. Peters, gasoline filling pump on Belmont street.

Ordinance No. 36395. Union Oil Co., to erect storage tank, St. Helen's Road.

Fuel storage oil tank on Glisan street, between Twenty-third and Twenty-fourth streets; H. O. Triplett.

Fuel oil tank at northwest corner of Twelfth and Flanders streets; Northwestern Electric Company.

Fuel oil tank at 466 East Thirteenth street; T. A. Sutherland.

Fuel oil tank at 405 East Alder street; Citizens Bank.

Fuel oil tank at 104-106 North Fourth street; Mrs. H. Trenkman.

Storage tank for fuel oil at 255 Thirteenth street; Portland Social Turn Verein.

Fuel oil tank on Marshall street, between Nineteenth and Twentieth streets; Dr. R. C. Coffey.

Fuel oil tank at 27 East Third street, between East Burnside and East Couch streets; Mrs. Minnie G. Tohey.

Ordinance No. 45819. Fletcher & James, gasoline curb pump, 54 Sixth street.

Ordinance No. 45982. Fred Wagner, gasoline curb pump, Larrabee street.

Ordinance No. 46068. A. E. Woods, gasoline curb pump, 289 Front street.

Ordinance No. 46069. Halls Garage, gasoline curb pump, 433 East Davis street.

Ordinance No. 46235. Davidson Baking Co., gasoline curb pump, 168 East Twenty-second street, North.

Ordinance No. 46260. Benedict & Bloom, gasoline curb pump, East Seventeenth street, North.

Ordinance No. 46730. Edwards & Co., gasoline curb pump, Fremont street, between Montana and Minnesota.

Ordinance No. 46798. J. W. McFadden, gasoline curb pump, adjoinlot, 4, block 4, Swan.

Ordinance No. 46799. M. R. Ruter, gasoline curb pump, lot 8, block 48, Albina.

Ordinance No. 46987. J. Lind, gasoline curb pump, 202 Tillamook street.

Ordinance No. 47057. Ross & Brown, gasoline curb pump, 730 Glisan street.

Ordinance No. 47111. James A. Convette, gasoline curb pump, Twenty-third street.

Ordinance No. 47338. Robert E. Anderson, gasoline curb pump, 353 Ross street.

Ordinance No. 47338. Mildred B. Ball, gasoline curb pump, 1302 East Glisan street.

Ordinance No. 47394. C. W. Prigge, gasoline curb pump, 412 Mill street.

Ordinance No. 47490. Charles J. Carroll, gasoline curb pump, 568 Third street.

Ordinance No. 47503. Oregon Laundry Co., gasoline curb pump, 54 East Sixth street.

Ordinance No. 47606. Frank L. Straus, gasoline curb pump, East Glisan, between Seventy-second and Seventy-third streets.

Ordinance No. 47666. James G. Pike, gasoline curb pump, East Fourteenth street, between Alberta and Weidler streets.

Ordinance No. 47667. E. W. Fisher, gasoline curb pump, East Eighteenth street, between East Washington and East Couch streets.

Ordinance No. 47782. William Cramer, gasoline curb pump, East Glisan, between Union and Grand avenues.

Ordinance No. 47890. Jas. A. C. Tait Co., gasoline curb pump 366 East Madison street.

Ordinance No. 47895. McCracken-Ripley Co., gasoline curb pump, 65 Albina avenue.

Ordinance No. 47933. Chas. W. Ertz, gasoline curb pump, 456 Fifth street.

Ordinance No. 47947. A. W. Davis, gasoline curb pump, 315 North Jersey street.

Ordinance No. 48045. American Bakery, gasoline curb pump, 483 Williams avenue.

Ordinance No. 48105. O. C. Blatter, gasoline curb pump, 675 Marshall street

Ordinance No. 48151. Fred Phillips, gasoline curb pump, Third street, between Hall and College streets.

Ordinance No. 48257. Swedish Importing Co., gasoline curb pump, 50 East Seventh street.

Ordinance No. 48260. L. M. Matcovich, gasoline curb pump, 1269 Hood street.

Ordinance No. 48261. Clossett & Devers, gasoline curb pump, Fifteenth street, between Pettygrove and Quimby streets.

Ordinance No. 48309. D. E. Mitchell, gasoline curb pump, 105 North Leavitt street.

Ordinance No. 48311. Tarola Motor Co., gasoline curb pump, 275 East Seventh street.

Ordinance No. 46259. Pacific Fruit & Produce Co., gasoline curb pump.

Ordinance No. 46205. Fernwood Dairy, gasoline curb pump, 28 Union avenue.

Ordinance No. 47977. Chas. V. Jennings, gasoline curb pump, 471 Alder street.

Ordinance No. 47991. Burnside Fuel Co., gasoline curb pump, 20 East Eightieth street.

Ordinance No. 47996. W. N. Anderson, gasoline curb pump, Schuyler street.

Ordinance No. 47482. F. L. O'Donnell, gasoline curb pump, Davis street, between Park and Ninth streets.

Ordinance No. 41279. Northern Pacific Terminal Co., erect oil tank.

Ordinance No. 42292. Shell Oil Co., erect gasoline filling station.

Ordinance No. 42335. Rushlight & Hastorf, fuel oil tank, Grand avenue and Hawthorne.

Ordinance No. 43599. Shell Oil Co., erect gasoline storage tanks, Bridgeport.

Ordinance No. 45943. Associated Oil Co., erect storage tank, St. Helens road.

Ordinance No. 45287. Northwestern Ice & Storage Co., erect gasoline pump, foot of East Washington street.

Fuel oil storage tank at 24 North Third street; Fred Fritz.

Fuel oil tank at 321 East Yamhill street, between East First and East Second streets; Spokane, Portland & Seattle Ry. Co.

Fuel oil storage tank at 467 Thompson street; W. P. Dickey.

Crude oil tank at 122 North Fifth street; Pioneer Trust Company.

Crude oil storage tank on Twelfth street, between Taylor and Yamhill streets; First M. E. Church.

Crude oil storage tank on Belmont street, between Union avenue and Grand avenue; J. G. Edwards.

Crude oil storage tank at 34 Fifteenth street North, between Burnside and Couch streets; M. Lawler.

Crude oil storage tank at Ninth street, between Couch and Davis streets; L. and H. S. Freedman.

Fuel storage oil tank on 481 York street between Twentieth and Verstery streets; Press Steel Company.

Fuel storage oil tank on Tenth and Johnson street between Ninth and Tenth streets; Spokane, Portland & Seattle Railway Company.

Fuel storage oil tank on Foot of Fessenden street; Grant-Smith Porter Ship Company.

Fuel storage oil tank on East Sixth and Davis streets between East Couch and East Davis streets; James Muckle.

Fuel storage oil tank on N. W. corner Thirteenth and Raleigh between Raleigh and Savier streets; Pacific Forging and Machine Works.

Gasoline storage tank at 200 Fifth street, between Taylor and Salmon streets; Jack Ruegg.

Gasoline storage tank at 200 Fifth street, between Taylor and Salmon streets; Jack Ruegg.

Gasoline storage tank at 365 Shaver street, between Union and Garfield streets; J. Clark.

Gasoline storage tank at 30 Ninth street, between Burnside and Couch streets; Paul Staiger.

Gasoline storage tank at Front and Nicolai streets; The Foundation Company.

Gasoline storage tank at 23 Randolph; Albina Fuel Co.

Distillate storage tank at Eleventh street between Marshall and Northrup streets; Portland & Seattle Railroad Co.

Distillate storage tank at foot of Meade street between Meade and Wood streets; Columbia River Ship Building Corporation.

Gasoline storage tank at foot of Meade street between Meade and Wood streets; Columbia River Ship Building Corporation.

Benzine storage tank at foot of Meade street between Meade and Wood streets; Columbia River Ship Building Corporation.

Gasoline storage tank at 323 Burnside between Sixth and Broadway streets; J. E. Wolf.

Distillate storage tank at 486 East Mill street between Ninth and Tenth streets; Cuther Fruit Grader Co.

Gasoline storage tank at 353 North Twenty-third street between Raleigh and Savier streets; J. E. Moore.

Gasoline storage tank at 209 Union avenue North between Holliday and Pacific streets; Earl E. Ranson.

Distillate storage tank at 1385 Division street, between Forty-ninth and Fiftieth streets; Wayne Oil Tank & Pump Co.

Distillate storage tank at 6345 Foster Road between Sixty-third and Sixty-fourth streets; C. W. Johnson.

Gasoline storage tank at 573-575 Jefferson street, between Chapman and Nartella streets; Muirhead & Muirhead.

Gasoline storage tank at 266 Eleventh street between Madison and Jefferson streets; Frank S. Barrett.

Gasoline storage tank at 1554 East Glisan street between East Fifty-ninth and East Sixtieth streets; J. A. Lathier.

Gasoline storage tanks at 1322 Macadam street, between Flower and Pendleton streets; Jones Lumber Co.

Gasoline storage tank at 275 Sixteenth street, between Taylor and Jefferson streets; Howard Auto Co.

Gasoline storage tank at 11 East Sixtieth street North, between East Fifty-ninth and Sixtieth streets; W. C. Chase.

Gasoline storage tank at Southern Pacific shop yards between Center and Holgate streets; Southern Pacific Co.

Gasoline storage tank at Linnton, Ore.; Clark & Wilson Lumber Co.

Gasoline storage tank at 188 Tenth street, between Yamhill and Taylor streets; Couchman & Sullivan.

Gasoline storage tank at 368-374 Front street, between Montgomery and Mill streets; Bailey Sigler Co.

Gasoline storage tank at East Forty-first and Sandy Road; Standard Oil Co.

Gasoline storage tank at 1207 Sandy Road, between Forty-first and Sandy Road; V. Cooper.

Distillate storage tank at 17 Kearney, N. E. corner, between Sixteenth and Seventeenth streets; Bailey Sigler Co.

Distillate storage tank at S. W. corner Water and Main, between Main and Madison streets; Bailey Sigler Co.

Gasoline storage tank at 511 Twenty-first street North; E. L. Holland.

Gasoline storage tank at Thirteenth and Stark; Frank Wirfs.

Gasoline storage tank at 540 East Burnside street, between East Twelfth and East Thirteenth streets; Rob. Uhlman.

Gasoline storage tank at Eleventh and Alder streets; Standard Oil Company.

Gasoline storage tank at 1322 East Glisan street North, between East Forty-seventh North and East Forty-ninth North streets; C. B. Betts.

Gasoline storage tank at 514 Hoyt street, between Fourteenth and Fifteenth streets; Bailey & Sigler Co.

Gasoline storage tank at 453 Goldsmith, between Goldsmith and Railroad streets; Albina Fuel Co.

Gasoline storage tank at Forty-seventh street and Woodstock avenue; E. Grolhert.

Gasoline storage tank at Forty-seventh street and Woodstock avenue; E. Grolbert.

Gasoline storage tank at Division street, between Union avenue and Grand avenue; Inman Poulson Lumber Co.

Gasoline storage tank at 103 Richmond street, between Jersey and Ivanhoe streets; T. H. Wooly.

Distillate storage tank at Twenty-ninth street; Rasmussen & Grace Company.

Gasoline storage tank at East Seventh and Flanders, between Everett and Flanders streets; Olds, Wortman & King.

Gasoline storage tank at East Main, between East Water and East First streets; Cascade Investment Co.

Gasoline storage tank at 228 East Sixth street, between Salmon and Main streets; Bailey Sigler Co.

Gasoline storage tanks at 334 South Market, between First and Second streets; Standard Wood Co.

Gasoline storage tank at 340-342 North Twenty-third street, between Raleigh and Savier streets; Mr. J. C. Moore.

Gasoline storage tank at 8130 Eighty-second street, between Eighty-second and Powell streets; E. H. Sims.

Gasoline storage tank at 1385 Division street, between Forty-ninth and Fiftieth streets; Wayne Oil Tank & Pump Co.

Gasoline storage tank at 540 East Burnside street, between Twelfth and Thirteenth street; Rob. Uhlman.

Gasoline storage tank at 1050 Corbett street, between Hamilton and Bancroft streets; P. W. Kinney.

Gasoline storage tank at 186 First street, between Yamhill and Taylor streets; Power Paint Co.

Gasoline storage tank at 360 Williams avenue, between Broadway and Schuyler streets; C. G. North.

Gasoline storage tank at 1256 Halsey, between Forty-fourth and Forty-fifth streets; Consolidated Wet Wash Laundry.

Gasoline storage tank at 84 Killingsworth, between Michigan and Missouri streets; P. M. McBride.

Gasoline storage tank at 388 Front street, between Harrison and Montgomery streets; The Smith & Watson Iron Works.

Ordinance No. 33110. W. P. Fuller & Co., turpentine storage tanks, East Eighteenth and Holgate.

Gasoline filling pump at 531 Alder street, between Sixteenth and Seventeenth streets; Cora E. Puffer.

Gasoline filling pump at 209 Tenth street, between Taylor and Salmon streets; Thos. Prince.

Distillate filling pump at 107 Broadway North, between Flanders and Glisan streets; Etta L. Stone.

Gasoline filling pump at 107 Broadway North, between Flanders and Glisan streets; Etta L. Stone.

Gasoline filling pump at 509½ East Harrison street, between East Tenth and East Eleventh streets; J. G. Starvaggi.

Gasoline filling pump at 605-607 First street, between Sherman and Caruthers streets; H. Goldstein.

Gasoline filling pump on Davis street, between Eighth and Broadway; B. L. Harding.

Gasoline filling pump at 200 Fifth street, between Taylor and Salmon streets; Frazier & McLean.

Gasoline filling pump at 365 Shaver street, between Union avenue and Garfield avenue; E. Lindell.

Gasoline filling pump at 361 to 365 Broadway, between East Third street and Union avenue; L. and H. S. Freedman.

Distillate filling pump at 248 to 254 Sixth street, between Main and Madison streets; C. E. Runyon.

Gasoline filling pump at 248 to 254 Sixth street, between Main and Madison streets; C. E. Runyon.

Gasoline filling pump at 1322 East Glisan street, between East Forty-seventh and East Forty-ninth streets; R. A. Betts.

Gasoline filling pump at 323 Burnside street, between Sixth and Broadway; Wilder Bros. Agts.

Gasoline filling pump at No. 23 Randolph street, between Loring and River streets; Montgomery Estate Co.

Gasoline filling pump at No. 30 Ninth street, between Burnside and Couch streets; L. and H. S. Freedman.

Gasoline filling pump at 228 East Sixth street, between East Salmon and East Main streets; Crystal Ice & Storage Co.

Gasoline filling pump at 103 Richmond street, between Jersey and Ivanhoe streets; First Trust Savings Bank.

Gasoline filling pump at southeast corner of East Seventh and Flanders streets, between East Everett and East Flanders streets; Olds, Wortman & King.

Gasoline filling pump at No. 50 North Twentieth street, between Washington and Everett streets; Baggage & Omnibus Co.

Gasoline filling pump at 168 King street, between Washington and Wayne streets; Hirsch Investment Co.

Gasoline filling pump at 514 Hoyt street, between Fourteenth and Fifteenth streets; Olson Roe Co.

Gasoline filling pump at 353 North Twenty-third street, between Raleigh and Savier streets; Estate Rosenfeld, by Rosenblatt & Solomon, Agents.

Gasoline filling pump at 172 First street, between Morrison and Yamhill street; Miller Wallpaper Co.

Distillate filling pump at 888 Union avenue, between Mason and Skidmore streets; Anna Colfelt.

Gasoline filling pump at 863 Sandy boulevard, between Twenty-eighth and Twenty-ninth streets; Wm. Walker.

Gasoline filling pump at 531 Umatilla avenue, between East Eleventh and East Thirteenth streets; F. E. Frueht.

Gasoline filling pump at 1884 East Glisan street, between East Seventy-fourth and East Seventy-fifth streets; D. B. Troutman.

Gasoline filling pump at 333 East Eleventh street, between Market and Mill streets; E. B. McNaughton.

Gasoline filling pump at 1, 3, 5 and 7 Grand avenue, between Ash and Ankeny streets; J. C. Ainsworth.

Gasoline filling pump at 366 Second street, between Mill and Montgomery streets; A. J. Bingham and Jos. McClelland.

Gasoline filling pump at 72 Broadway, between Oak and Pine streets; S. Benson.

Gasoline filling pump at 338 Oregon street, between East First and East Second streets, North; Estate of Geo. T. Myers, Fred Silcocks, agent.

Gasoline filling pump at 61 Union avenue North, between East Davis and East Everett streets; J. F. Kerrigan.

Gasoline filling pump at 390 Oak street, between Park and West Park; Jas. T. Barron.

Distillate filling pump at 1224 Sandy boulevard, between Forty-second and Forty-third streets; S. D. Vincent.

Gasoline filling pump at 374 Union avenue, between Schuyler and Broadway; B. F. Soden.

Gasoline filling pump at 1700 Union avenue, between Columbia boulevard and Terry street; Mrs. M. C. Stafford.

Gasoline filling pump at northeast corner of Ankeny and Broadway, between Broadway and Sixth streets; C. A. Malarkey & Sons.

Gasoline filling pump at 1160½ Union avenue North, between Killingsworth avenue and Church street; Wm. Reidt.

Distillate filling pump at 556 Union avenue, between Knott and Russell streets; Wm. Brundell.

Gasoline filling pump at 556 Union avenue, between Knott and Russell streets; Wm. Brundell.

Gasoline filling pump at 389 Everett street, between Park and Ninth street; G. A. Olson.

Gasoline filling pump at northwest corner of Crawford and Burlington streets; St. Johns Lumber Co., lessee.

Distillate filling pump at northwest corner of Crawford and Burlington streets; St. Johns Lumber Co., lessee.

Distillate filling pump at 137 East Twenty-fourth street North, between Sandy road and East Glisan street; Chas. A. Fox.

Gasoline filling pump at 137 East Twenty-fourth street North, between Sandy road and East Glisan street; Chas. A. Fox.

Gasoline filling pump at 12 Second street, between Ankeny street and Ash street; Biddle, Thompson & Kelly.

Gasoline filling pump at No. 2 Broadway, between Ankeny and Burnside streets; C. A. Malarkey & Sons.

Distillate filling pump at No. 20 East Tenth street North, between East Burnside and East Ankeny streets; D. C. Powell.

Gasoline filling pump at 292 Hoyt street, between Fourth and Fifth streets; Ritter, Lowe & Co.

Gasoline filling pump at 544 Alder street, between Seventeenth and Eighteenth streets; Helen Spaulding Estate, H. G. Terry, agent.

Gasoline filling pump at 121 Grand avenue North, between East Glisan and East Hoyt streets; P. Anderson.

Gasoline filling pump at 483 Union avenue North, between Eugene and Sacramento streets; Henry Weinhardt Estate, H. W. Wagner, secretary.

Gasoline filling pump at 360 Williams avenue, between Broadway and Hancock streets; Annie E. Buckley.

Gasoline filling pump at 540 East Burnside street, between East Twelfth and East Thirteenth streets; Adolph A. Dekum.

Gasoline filling pump at 1385 Division street; John McCraken Estate.

Gasoline filling pump at 573 Jefferson street, between Chapman and Nartilla streets; J. R. Rogers.

Gasoline filling pump at 445 Hawthorne avenue, between East Seventh and East Eighth streets; Henry Fassbender.

Gasoline filling pump at 209 Union avenue North, between Holladay and Pacific streets; O. W. West.

Gasoline filling pump at 368 Front street, between Montgomery and Mill streets; B. E. Cogswell.

Gasoline filling pump at 188 Tenth street, between Taylor and Yamhill streets; Morris Taylor.

Gasoline filling pump at south side of East Glisan street, about 175 feet east of East Fifty-eighth street, between East Fifty-eighth and East Sixtieth streets; E. W. Baughman.

Gasoline filling pump at 266 Eleventh street, between Madison and Jefferson streets; Margaret Burrell Biddle.

Gasoline filling pump at 511 North Twenty-first street, corner of Reed street; E. F. Noland.

Gasoline filling pump at 204 East Thirty-fourth street, between East Taylor and East Salmon streets; Kelley Bros.

Gasoline filling pump at 1207 Sandy boulevard, between East Forty-first and East Forty-second streets; Kirk White.

Ordinance No. 48408. Gasoline curb pump in front of 72 East Seventh street, N., between East Davis and East Everett street. Mutual Creamery Co.

Ordinance No. 48409. Gasoline curb pump 153 East Eleventh street, between Morrison and Belmont streets. Bradley Pies, Inc.

Ordinance No. 48410. Gasoline curb pump in front of 1415 Willamette boulevard, between Westanna street and Wall street. Forsythe & Reynolds.

Ordinance No. 48412. Gasoline curb pump on Yamhill street, between Seventeenth and Chapman streets, adjacent to Lots 3 and 4, Block 327. Edward Walschmidt.

Ordinance No. 48463. Gasoline curb pump on East Ninth street, between Hawthorne avenue and East Clay street, adjacent to Lot 8, Block 100 Stephens Addition. National Laundry Co.

Ordinance No. 48465. Gasoline curb pump in front of 405 Twenty-sixth street, N., between Upshur street and Vaughn street. Anna B. Codekas.

Ordinance No. 48480. Gasoline curb pump in front of 235 Stark street, between First and Second streets. Peerless Pacific Co.

Ordinance No. 48495. Gasoline curb pump in front of 350 East Ankeny street, between East Second and East Third streets. A. McMillen & Co.

Ordinance No. 48496. Gasoline curb pump in front of 272 Cook avenue, between Williams avenue and Vancouver avenue E. C. Chapin.

Ordinance No. 48500. Gasoline curb pump in front of 299 Weidler street, between Victoria and East First street. N. D. Evans.

Ordinance No. 48598. Gasoline curb pump in front of 1042 East Broadway, between East Thirty-third and East Thirty-seventh streets. Truman DeLano.

Ordinance No. 48599. Gasoline curb pump in front of 460 Everett street, between Twelfth and Thirteenth streets. Walworth Oregon Co.

Ordinance No. 48641. Gasoline curb pump on the west side of East Tenth street, between East Morrison street and Belmont street. Hoover Guernsey Dairy.

Ordinance No. 48697. Gasoline curb pump in front of 841 Union avenue, between Shaver street and Failing street. King Garage & Auto Body Works.

Ordinance No. 48699. Gasoline curb pump on the west side of Fourth street, between Glisan and Hoyt streets. Swift & Co.

Ordinance No. 48706. Gasoline curb pump on Page street, between Albina avenue and Borthwick street. Pioneer Soda Works.

Ordinance No. 48736. Gasoline curb pump on Lincoln street, between Second street and Third street. P. J. O'Connel.

Ordinance No. 48737. Gasoline curb pump in front of 105 North Eleventh street, between Flanders street and Glisan street. Claude Roberts.

Ordinance No. 48836. Gasoline curb pump in front of 346½ North Twenty-third street, between Raleigh street and Savier street. Sparks Transfer Co.

Ordinance No. 48918. Gasoline curb pump in front of 754 Union avenue, N., between Fremont street and Beech street. P. A. Capparell.

Ordinance No. 48921. Gasoline curb pump on the north side of East Madison street, between Grand avenue and East Sixth street. Braley & Graham.

Ordinance No. 48960. Two additional gasoline pumps and a comfort station at the intersection of Marquam road and Terwilliger boulevard. Angelo Constanzo.

Ordinance No. 48963. Gasoline curb pump in front of 648 Second street, between Sheridan street and Baker street. Mt. Hood Soda Water Co.

Ordinance No. 48964. Gasoline curb pump in front of 906 Vaughn street, between Twenty-sixth street and Twenty-seventh street. J. R. Jones.

Ordinance No. 48971. Gasoline curb pump in front of 2064 East Burnside street, between East Eighty-second street and East Eighty-third street. Argonne Fuel Co.

Ordinance No. 48976. Plant for the storage and distribution of gasoline and other liquid fuels and lubricating oils. Richfield Oil Co.

Ordinance No. 48987. Council reconsidered vote on Ordinance No. 48960 (Permit of Angelo Costanzo) said ordinance amended.

Ordinance No. 49005. Gasoline curb pump in front of 796 Tacoma avenue, between East Twenty-third and East Twenty-fourth streets. J. A. Schomus.

Ordinance No. 49036. Gasoline curb pump in front of 1206 Haw-

thorne avenue, between East Fortieth street and East Forty-first street. J. A. Mathison.

Ordinance No. 49037. Gasoline curb pump in front of 526 East Clay street, between East Eleventh and East Twelfth streets. George Amato.

Ordinance No. 49041. Gasoline curb pump on the south side of East Couch street, between Grand avenue and East Sixth street. East Side Nash Co.

Ordinance No. 49042. Gasoline curb pump on the west side of Sixth street near Sherman street, adjacent to Lot 1, Block 34, Caruthers Addition. J. L. Brown.

Ordinance No. 49043. Gasoline curb pump in front of 257 Eleventh street, between Main street and Jefferson street. J. C. Powers.

Ordinance No. 49047. Gasoline curb pump in front of 1830 East Glisan street, between East Seventy-first and East Seventy-second streets. Snow Cap Dairy.

Ordinance No. 49050. Gasoline curb pump in front of 441 Everett street, between Eleventh street and Twelfth street. Royal Bakery Co.

Ordinance No. 49098. Gasoline curb pump in front of 466 Belmont street, between East Eighth and East Ninth street. Dolan Wrecking Co.

Ordinance No. 49153. Gasoline curb pump in front of 475 Johnson street, between Twelfth and Thirteenth streets. Sunset Feed Mills.

Ordinance No. 49158. Gasoline curb pump in front of East Third street, between East Pine and East Ash street. International Sales and Produce Co.

Ordinance No. 49183. Gasoline curb pump in front of 149 Thompson street, east of Larrabee street. Star Garage.

Ordinance No. 49254. Gasoline curb pump in front of 1561 Macadam street, between Texas street and Nevada street. M. A. Darling.

Ordinance No. 49257. Gasoline curb pump on the east side of Union avenue, between Hawthorne avenue and East Madison street. I. Monte.

Ordinance No. 49258. Gasoline curb pump in front of 210 East Third street, between Holladay avenue and Pacific street. William Cramer.

Ordinance No. 49283. Gasoline curb pump in front of 570 Hood street, opposite the foot of Grant street. Mike M. DeCieco.

Ordinance No. 49285. Gasoline curb pump in front of No. 1 Union avenue, between East Ash and East Ankeny street. Associated Creamery Co.

Ordinance No. 49332. Gasoline curb pump on Minnesota avenue, near the corner of Killingsworth avenue. Model Creamery.

Ordinance No. 49333. Gasoline curb pump in front of 152 Willamette boulevard, between Gay street and Denver avenue. P. Schnell.

Ordinance No. 49335. Gasoline curb pump in front of 365 Grand avenue, between Broadway and Schuyler street. State Laundry Co.

Ordinance No. 49375. Fuel oil tank in basement of Hotel Benson, corner Broadway and Oak streets. Keller & Boyd.

Ordinance No. 49384. Gasoline curb pump in front of 44 East Twenty-eighth street, between East Oak and East Pine street. Glen Andre.

Ordinance No. 49385. Gasoline curb pump in front of 45 North Sixteenth street, between Couch street and Davis street. Red Top Cab Co.

Ordinance No. 49387. Gasoline curb pump on East Thirty-second street, between East Flanders street and East Glisan street. W. Schmuckli.

Ordinance No. 49433. Gasoline curb pump in front of 1857 East Glisan street, between East Seventy-second and East Seventy-third streets. H. H. Clark.

Ordinance No. 49440. Gasoline curb pump on the south side of Oak street, between Front street and First street. George Lawrence Co.

Ordinance No. 49443. Gasoline curb pump on the west side of Sixth street, between Mill street and Montgomery street. E. I. Nixon.

Ordinance No. 49502. Gasoline curb pump in front of 100 West Portland boulevard, between Campbell street and Denver avenue. J. G. Thiem.

Ordinance No. 49550. Gasoline curb pump in front of 22-24 North Ninth street, between Burnside street and Couch street. Fletcher Tire Co.

Ordinance No. 49560. Gasoline curb pump on the west side of East Seventh street, between Monroe and Fargo streets. John Rattey.

Ordinance No. 49561. Gasoline curb pump in front of 387 North Eighteenth street, between Upshur street and Thurman street. Portland Artificial Ice Co.

Ordinance No. 49627. Gasoline curb pump in front of 28 East Seventh street, North, between East Burnside street and East Couch street. E. Inghram and G. Lindsay.

Ordinance No. 49628. Gasoline curb pump in front of 468 River street, between Lewis street and Clark street. River Street Fuel Co.

Ordinance No. 49679. Gasoline curb pump in front of 580 Division street, between East Fourteenth and East Fifteenth streets. Frank Amato.

Ordinance No. 49680. Gasoline curb pump in front of 285 Marguerite avenue, between Hawthorne avenue and East Harrison street. Hawthorne Ice & Coal Co.

Ordinance No. 49681. Gasoline curb pump on Taggart street, near East Fifteenth street. A. Chiramonte.

Ordinance No. 49729. Gasoline curb pump in front of 157 East seventh street, between East Morrison street and Belmont street. United Plumbing & Heating Co.

Ordinance No. 49730. Gasoline curb pump in front of 142 Seventeenth street, between Morrison and Alder streets. Godfrey Seberg.

Ordinance No. 49732. Gasoline curb pump in front of 64 Albina avenue, between Larrabee street and Railroad street. Jones Brothers & Co.

Ordinance No. 49733. Gasoline curb pump in front of 309 Thirteenth street, between Columbia street and Clay street. O. H. Wilson and W. S. James.

Ordinance No. 49734. Gasoline curb pump in front of 659 Upshur street, between Twentieth street and Twenty-first street. Willis Sumner.

Ordinance No. 49825. Gasoline curb pump in front of 469 Vancouver avenue, between Tillamook street and Page street. Reliable Insecticide Co.

Ordinance No. 49826. Gasoline curb pump in front of 384 Eleventh street, between Montgomery street and Harrison street. Margaret Lamberson.

Ordinance No. 49921. Gasoline curb pump at the southwest corner of Macadam and Kelly streets. P. Esposito.

Ordinance No. 50065. Gasoline curb pump in front of 1570 Union avenue, North, between Stafford street and Lombard street. James M. Bradford.

Ordinance No. 50117. Gasoline curb pump in front of 236 Everett street, between First street and Second street. Nicolai-Neppach Co.

Ordinance No. 50118. Gasoline curb pump in front of 1431 Macadam street, between Caroline street and Dakota street. Fulton Tire Shop.

Ordinance No. 50120. Gasoline curb pump in front of 305 Fourteenth street, between Columbia street and Clay street. R. L. Anderson.

Ordinance No. 50171. Gasoline curb pump on Benton street, between Broadway and Dixon street, adjacent to Lots 4, 5, and 6, Block 15, Elizabeth Irving's Addition. Portland Van & Storage Co.

Ordinance No. 50239. Gasoline curb pump in front of 1269 Hood street, between Sweeney avenue and Flower street. Lee Matcovich.

Ordinance No. 50334. Gasoline curb pump in front of 1569 East Glisan, between East Fifty-ninth street and East Sixtieth street. Laurelcrest Garage.

Ordinance No. 50335. Gasoline curb pump in front of 691 York street, between Twenty-first street and Blackstone street. Zan Bros

Ordinance No. 50426. Gasoline curb pump on the east side of Guild street, between York street and Reed street. Pettit Feather & Bedding Co.

Ordinance No. 50431. Gasoline curb pump on the south side of Hoyt street, between Eleventh street and Twelfth street. Pelton Estate.

Ordinance No. 50471. Gasoline curb pump in front of 900 Macadam street, between Abernathy street and Thomas street. Portland Fuel Co.

Ordinance No. 50680. Gasoline curb pump on the east side of Vancouver avenue, just south of Russell street. Home Creamery Co.

Ordinance No. 50721. Gasoline curb pump in front of 659 Upshur street, between Twentieth street and Twenty-first street. E. Desherly.

Ordinance No. 50765. Gasoline tank and pump in the basement of the Pacific Building. Corbett Estate.

Ordinance No. 50781. Gasoline curb pump in front of 6515 Foster road, between Sixty-fifth street, Southeast, and Sixty-sixth street, Southeast. Soles & Steen.

Ordinance No. 50782. Gasoline curb pump on the west side of Curtis avenue immediately north of Lombard street. C. H. Vanderveen.

Ordinance No. 50784. Gasoline curb pump in front of 609 Upshur street, between Nineteenth and Twentieth streets. International Steel Co.

Ordinance No. 50785. Gasoline curb pump in front of 465 Lombard street, between Fowler avenue and Washburne street. Saliba Kaiel.

Ordinance No. 50827. Gasoline curb pump in front of 266 East Thirty-seventh street, between Hawthorne avenue and East Madison street. Lester Smith.

Ordinance No. 50898. Gasoline curb pump in front of 1837 East Glisan street, between East Seventy-second street and East Seventy-third street. General Laundry.

Ordinance No. 50957. Gasoline curb pump on the easterly side of Crosby street, immediately north of Clackamas street. Grigsby Paper Box Company.

Ordinance No. 50958. Gasoline curb pump on the north side of Johnson street, immediately west of Twenty-third street. Krunsick Brothers.

Ordinace No. 50959. Gasoline curb pump in front of 1186 Halsey street, between East Thirty-ninth street and East Fortieth street. Northwest Lumber & Fuel Company.

Ordinance No. 50961. Gasoline curb pump in front of 543 East Fourteenth street, between Taggart street and Gideon street. Heacock Sash & Door Company.

Ordinance No. 50962. Gasoline curb pump in front of 187 East Thirty-fourth street, between East Yamhill street and East Taylor street. Fred Christenson.

Ordinance No. 50997. Gasoline curb pump in front of 215 South Ivanhoe street. Whitfield & McCormick Company.

Ordinance No. 51059. Gasoline curb pump in front of 371 East Seventeenth street, North, between Broadway and Schuyler street. J. B. Rice & Company.

Ordinance No. 51148. Gasoline curb pump in front of 108 North Eighteenth street, between Glisan street and Flanders street. Smith Studebaker Service, Inc.

Ordinance 51180. Gasoline curb pump in front of 1249 Union avenue North, between Simpson street and Ainsworth avenue. Nelson Lumber Company.

Ordinance No. 51215. Gasoline curb pump in front of 209 East Forty-seventh street North, between East Glisan street and Halsey street. T. A. Godel.

Ordinance No. 51286. Gasoline curb pump in front of 511 North Jersey street, between Fessenden street and New York street. John Miller.

Ordinance No. 51326. Gasoline curb pump in front of 444 Hall street, between Twelfth street and Thirteenth street. Morris-Welch, Inc.

Ordinance No. 51374. Gasoline curb pump in front of 29 Clark street, between River street and Loring street. Albina Marine Iron Works.

Ordinance No. 51423. Gasoline curb pump in front of 474 Marshall street, between Twelfth street and Thirteenth street. J. C. Churchley.

Ordinance No. 51426. Two gasoline curb pumps in front of 54 Sixth street, between Ankeny street and Pine street. Cassidy-Dayton Tire Company.

Ordinance No. 51428. Gasoline curb pump in front of 188 Tenth street, between Yamhill street and Taylor street. A. Levoff.

Ordinance No. 51461. Gasoline curb pump in front of 409 East Davis street, between Grand avenue and East Sixth street. Charles Stehlik.

Ordinance No. 51473. Gasoline curb pump in front of 192 Tenth street, between Taylor street and Yamhill street. Fashion Garage.

Ordinance No. 51503. Two oil tanks located on Willamette river,

800 feet north of the west approach of the S. P. & S. railroad bridge. Standard Oil Company of California.

Ordinance No. 51514. Gasoline curb pump in front of 364 East Eleventh street North, between Broadway and Schuyler street. H. L. Pearson and A. C. Larson.

Ordinance No. 51516. Gasoline curb pump in front of 220 East Forty-seventh street, North. E. J. Strutz Planing Mill Company.

Ordinance No. 51560. Gasoline curb pump on East Fifteenth street, adjacent to No. 601 East Broadway, between Broadway and Schuyler street. Westervelt & Stuart.

Ordinance No. 51561. Gasoline curb pump in front of 910 East Thirty-ninth street, between Holgate street and Long avenue. Walter J. Holmes.

Ordinance No. 51602. Gasoline curb pump in front of 804 Raleigh street, between Twenty-fourth and Twenty-fifth streets. Sparks Transfer Company.

Ordinance No. 51642. Two above-ground oil tanks on Willamette river, 800 feet north of the west approach of the S. P. & S. railroad bridge. Standard Oil Company of California.

Ordinance No. 51646. Gasoline curb pump in front of 200 Thirteenth street, between Salmon street and Taylor street. Peck Bros. & Bartle.

Ordinance No. 51732. Gasoline curb pump on Flanders street, between Fifth street and Sixth street. Hunt Transfer Company.

Ordinance No. 51778. Gasoline curb pump in front of 208 Chapman street, between Taylor street and Salmon street. D. J. Malarkey.

Ordinance No. 51779. Gasoline curb pump in front of 288 Weidler street, between Victoria street and Williams avenue. Thomas Brothers Candy Company.

Ordinance No. 51780. Gasoline curb pump in front of 91 Lombard street, between Mississippi avenue and Minnesota avenue. Dennis Mercantile Company.

Ordinance No. 51782. Gasoline curb pump in front of 300 East Yamhill street, between East Water street and East First street. Enterprise Planing Mill.

Ordinance No. 51783. Gasoline curb pump in front of 1804 Sandy boulevard, between East Seventy-first street and East Seventy-second street. Mates & Kron.

Ordinance No. 51846. Gasoline curb pump on East Third street, between Broadway and Weidler street. McKay & Hiem.

Ordinance No. 51847. Gasoline curb pump on Belmont street, between East Second street and East Third street. Wadhams & Company.

Ordinance No. 51884. Gasoline curb pump in front of 527 Alder street, between Sixteenth street and Seventeenth street. Cook & Lyon Company.

Ordinance No. 51929. Gasoline curb pump in front of 615 Hood street, between Sherman street and Caruthers street. Mike De Cicco.

Ordinance No. 51930. Gasoline curb pump in front of 355 Russell street, between Garfield avenue and Union avenue. Imperial Laundry.

Ordinance No. 51995. Gasoline curb pump in front of 4628 Woodstock avenue, between Forty-sixth street Southeast and Forty-seventh street Southeast. Woodstock Garage.

Ordinance No. 52039. Gasoline curb pump in front of 54 Lewis street, between Railroad street and Loring street. Edlefsen Weygandt.

Ordinance No. 52043. Gasoline curb pump in front of 588 East Stark street, between East Fourteenth street and East Fifteenth street. Thompson & Brown.

Ordinance No. 52048. Gasoline curb pump in front of 146 East Fourteenth street, between Belmont street and East Morrison street. L. F. Billups.

Ordinance No. 52088. Gasoline curb pump on the north side of East Clay street, west of East Water street. Moon Brothers.

Ordinance No. 52089. Gasoline curb pump on East Yamhill street, between East Sixth and East Seventh streets. Alaska Plumbing and Heating Company.

Ordinance No. 52132. Gasoline curb pump in front of 24-26 North Eighth street, between Burnside street and Couch street. R. G. Jubitz.

Ordinance No. 52136. Gasoline curb pump in front of 248 Pine street, between Second and Third streets. Strong & MacNaughton Trust Company.

Ordinance No. 52137. Gasoline curb pump on the north side of Flanders street, between 13th street and Fourteenth street. Armour & Company.

Ordinance No. 52180. Gasoline curb pump on Division street, between East Fiftieth street and East Fifty-first street. Boring Wood & Coal Company.

Ordinance No. 52181. Gasoline curb pump in front of 1251 Belmont street, between East Forty-second and East Forty-third streets. Larry Furman.

Ordinance No. 52182. Gasoline curb pump in front of 1420 Winona avenue, between Bellevue street and Durham street. J. M. McMahon.

Ordinance No. 52304. Gasoline curb pump, 335 East Madison street. Bowman, Carson & Gilmer.

Ordinance No. 52307. Two oil tanks above ground at Willbridge. Standard Oil Company.

Ordinance No. 52399. Gasoline curb pump in front of 66 East Seventy-ninth street, near East Stark street. Montavilla Ice & Fuel Company.

Ordinance No. 52402. Gasoline curb pump in front of 75 Fourth street, between Pine street and Oak street. Pacific Coast Garages, Inc.

Ordinance No. 52430. Gasoline curb pump in front of 139 East Third street North, between East Irving street and East Glisan street. Ewen Transfer Company.

Ordinance No. 52431. Gasoline curb pump in front of 301 Water street, between Columbia street and Clay street. Layton Cooperage Company.

Ordinance No. 52528. Steam heating device in a fuel oil storage tank at Lafayette street, between Twenty-second and Twenty-sixth streets. Libby, McNeill & Libby Food Products Company.

Ordinance No. 52539. Gasoline curb pump in front of 1341 Division street, between East Forty-seventh and East 48th streets. Jersey Milk Company.

Ordinance No. 52540. Fuel oil tank on west side of East Sixth

street, about 100 feet south of East Taylor street. Neustadter Factory No. 2.

Ordinance No. 52543. Gasoline curb pump in front of 926 Killingsworth avenue, between East Thirtieth street and East Thirty-first street. H. A. Weiman.

Ordinance No. 52671. Gasoline curb pump on Thirty-fourth avenue Southeast, between Fiftieth and Fifty-first streets Southeast. C. E. Steele.

Ordinance No. 52672. Gasoline curb pump on the northwest corner of Jersey street and Oswego street, between Oswego street and Richmond street. W. S. Jeans.

Ordinance No. 52678. Gasoline curb pump in Meade street, between Second street and Third street. S. Bernstein.

Ordinance No. 52720. Gasoline curb pump in front of 575 Vancouver avenue, between Graham street and Russell street. Willamette Hauling Company.

Ordinance No. 52725. Gasoline curb pump in front of 139 East Sixty-ninth street, between Morrison street and Belmont street. John Rupp.

Ordinance No. 52778. Gasoline curb pump on the west side of East Ninth street between Hawthorne avenue and East Madison street adjacent to 475 Hawthorne avenue. McCormac Snow.

Ordinance No. 52781. Gasoline curb pump on Grant street between Front street and First street adjacent to 581 Front street. Alaska Machinery and Pipe Company.

Ordinance No. 52844. Gasoline curb pump in front of 344 Main street, between Broadway and Park street. Sam Brown.

Ordinance No. 52984. Gasoline curb pump on the north side of Clay street, between Sixth street and Broadway. R. H. Billingsley.

Ordinance No. 53032. Gasoline curb pump on north side of Clay street, between Water street and Front street. L. Shank.

Ordinance No. 53044. Gasoline curb pump on east side of Randall street, between Sandy boulevard and Nelson street. Jacob Legler.

Ordinance No. 53138. Gasoline pump within sidewalk area of Powell Valley road at the northeast corner of Forty-ninth street Southeast and Powell Valley road. A. D. Reid.

Ordinance No. 53208. Gasoline curb pump in front of 727 Raleigh street, between Twenty-second street and Twenty-third street. Wardrobe Cleaners.

Ordinance No. 53315. Gasoline curb pump on Eleventh street, between Everett street and Flanders street, adjacent to lots 2 and 3, block 71, Couch's Addition. Jones Auto Livery, Inc.

Ordinance No. 53399. Gasoline curb pump on East Eighth street, between East Morrison street and East Alder street, adjacent to 455 East Morrison street. Hastorf-Lord, Incorporated.

Ordinance No. 53609. Gasoline curb pump on Marshall street, between Fourteenth street and Fifteenth street, adjacent to 234 North Fifteenth street. Rapid Transfer Company.

GARAGES GRANTED BY ORDINANCE

Ordinance No. 32291. Caroline A. Kamm, for a public garage, First and Washington streets.

Ordinance No. 32592. Mrs. J. H. Coughlin, to erect a garage on Lots 3 and 4, Block 56, Albina.

Ordinance No. 33177. J. M. Blackford, to construct garage on sidewalk area on Hodge street.

Ordinance No. 33178. H. H. Herdman, to construct garage on sidewalk area on Summit avenue.

Ordinance No. 33263. H. Aakervik, to construct garage in Gantenbein avenue.

Ordinance No. 33607. A. Madison, to maintain a frame garage on Page street.

Ordinance No. 33888. Miss Mabel Woodworth, to construct portable garage.

Ordinance No. 34698. Mallon Auto Repair Co., to occupy garage.

Ordinance No. 34801. Helen F. Spalding Estate, garage at Seventeenth and Alder streets.

Ordinance No. 34931. Oscar Carlson, a garage on Mariam avenue.

Ordinance No. 35836. William L. Wood, a garage on Morrision street.

Ordinance No. 35998. Joseph Simon, a garage on Eleventh street and Flanders street.

Ordinance No. 36409. J. S. Seed, automobile shed, East Twenty-first street near Multnomah street.

Ordinance No. 36742. Aetna Garage Co., to use frame building for garage.

Ordinance No. 36790. Metzger & Parker Ferguson Co., garage, Fourteenth and Morrison.

Ordinance No. 36839. A. A. Smith, garage on Fessenden street.

Ordinance No. 37012. Pacific Auto Co., to occupy frame building as garage.

Ordinance No. 37915. H. B. Black, to occupy frame building as garage.

Ordinance No. 37916. Auto Reconstruction Co., to occupy frame building as garage.

Ordinance No. 38018. J. R. Ellison, to occupy frame building as garage.

Ordinance No. 38196. Mrs. G. G. Seeley, small garage on East Sixteenth street.

Ordinance No. 38354. A1 Auto Works and Painting Co., to occupy frame building, 525 Alder street.

Ordinance No. 38647. W. R. Evans and C. S. McGill, a garage.

Ordinance No. 38831. L. M. Bosworth, a garage.

Ordinance No. 39001. W. U. Sanderson, to use cellar for garage purposes.

Ordinance No. 39034. Lewis E. Obye, to use building for large garage.

Ordinance No. 39106. A. W. Kunz Auto Repair Shop, 506 Burnside street.

Ordinance No. 39625. B. P. Johns, a garage in Multnomah street.

Ordinance No. 39467. A. J. Witchel, erect private garage on Summit drive.

Ordinance No. 40513. Julia Hobday, erect small garage on Third street.

Ordinance No. 40678. J. R. Nelson, maintain garage on College street.

Ordinance No. 41022. Liberty Laundry Co., erect one story frame garage.

Ordinance No. 42004. Herbert Gordon, alter public garage.

Ordinance No. 42545. Josie Brinkerhoff, maintain garage.

Ordinance No. 42848. Portland Gas & Coke Co., erect garage.

Ordinance No. 42896. E. H. Bolich, erect garage.

Ordinance No. 43093. Josephine Hirsch, erect one story Class VI garage.

Ordinance No. 43336. Barnett Goodwin, construct garage.

Ordinance No. 43610. Charles Frazer maintain frame garage.

Ordinance No. 43957. A. Y. Brugger, erect garage.

Ordinance No. 44319. L. H. Briggs, erect small garage, Elm street.

Ordinance No. 44964. John B. Ehle, maintain garage in street area.

Ordinance No. 44966. State Board of Horticulture, construct insectaries.

Ordinance No. 45156. Chas. T. Boardman, garage in street area, Shaver street.

Ordinance No. 45995. A. Graziano, garage, Division, between East Twenty-eighth and Kenilworth streets.

Ordinance No. 46003. S. Castanzo, private garage, Pennoyer street at Corbett street.

Ordinance No. 46007. J. R. McClure, private garage, street area of Thomas street.

Ordinance No. 46233. C. M. Davis, et al, garages, Quimby street, between Twelfth and Thirteenth street.

Ordinance No. 46410. F. E. Bowman, garage for two cars, 571 Elm. street.

Ordinance No. 47475. F. J. Cobbs, garage in street area, Montgomery drive.

Ordinance No. 47630. State Laundry Co., garage, Grand avenue between Broadway and Schuyler.

Ordinance No. 47663. H. H. Henshaw, frame garage, St. Johns road.

Ordinance No. 47720. F. C. Austin, garage in street area of Jackson street.

Ordinance No. 48316. Wm. Domries, erect garage over sewer right of way lot 11, block 5, Euclid Heights.

Ordinance No. 48352. City of Portland, erect garage, East Sixth street.

Ordinance No. 48374. Portable garage in street area of East Yamhill street immediately west of East Eleventh street. John McMullen.

Ordinance No. 48396. Two-story garage and laundry building on Grand avenue, between East Broadway and Schuyler street. State Laundry Co.

Ordinance No. 48867. Garage to accommodate one automobile in Pennoyer street immediately west of Corbett street. Santo Costanzo.

Ordinance No. 49553. One-story store and garage building on Division street, between East Twenty-eighth and Kenilworth avenue. A. Graziano.

Ordinance No. 49557. Garage in street area of Pennoyer street east of Macadam street. Great Northern Casket Co.

Ordinance No. 49558. Garage in Elm street west of Montgomery drive. Paul C. Giesy.

Ordinance No. 49731. Temporary garage in street area near the intersection of Wapato avenue and Beaverton avenue. S. C. Draper.

Ordinance No. 50119. Garage in street area of Carlton avenue immediately west of East Thirteenth street. John M. Pipes, Susie F. Pipes, Charles J. Michelet and Marie Michelet.

Ordinance No. 50783. Temporary garage in street area of Fairbanks avenue, between York street and Roosevelt street. J. E. Benson.

Ordinance No. 50951. R. L. Simmons to cross City property for access to garage proposed to be built adjacent to Hill Villa, along Terwilliger boulevard.

Ordinance No. 51731. Garages on lot 9, block 5, Dunn's Addition. J. H. Myers.

Ordinance No. 52544. Garage in street area of Thomas street, immediately east of Hood street. C. P. Foland.

Ordinance No. 53031. Gargae projecting into street area of Ralph road, immediately east of Sherwood drive, adjacent to lot 1, block D, Greenway. Dr. C. J. Smith.

Ordinance No. 53266. Garage in westerly side of East Sixteenth street, immediately south of Brooklyn street. Mary M. Schneider.

Ordinance No. 53312. Garage in street area of Abernathy street, immediately east of Hood street. David Carlson.

Ordinance No. 53313. Garage in street area of Abernathy street, immediately east of Hood street. D. A. Norton.

WAGON SCALE

Ordinance No. 9504. Wagon scale on Main street, in front of lot 1, block 7, Portland. Thos. Schneider.

Ordinance No. 16782. Wagon scale on East Washington street in front of lot 4, block 42, East Portland. Pearson-Page Co.

Ordinance No. 17111. Wagon scale on east side of East Sixth street, 30 feet south of Hawtborne avenue. Long and Kitching.

Ordinance No. 19893. Wagon scale—move from 312 Hoyt street to 310 Hoyt street. Oregon Transfer Co.

Ordinance No. 20145. Street scale in front of 128-130 Union avenue. Andrews & Son.

Ordinance No. 21722. Wagon scale in front of 55 Nesmith street. Albina. Edlefsen Fuel Co.

Ordinance No. 22364. Street scale in east side of Borthwick street, between Page and Russell streets. George and Shannon.

Ordinance No. 23544. Street scale on north side East Washington street, between East Second street and East Third street. G. W. Simpson.

Ordinance No. 23795. Street scale on west side of Front street, under Broadway bridge. Albers Bros. Milling Co.

Ordinance No. 24100. Street scale on west side of Union avenue, 80 feet south of East Mill street. Phoenix Iron Works.

Ordinance No. 25155. Wagon scale on south side of East Ash street, in front of lot 3, block 5, Frusb's Square. Owner.

Ordinance No. 27591. Wagon scale in front of lot 5, block 192, East Portland. Star Sand Co.

Ordinance No. 27689. Wagon scale at 374 Front street. Ingham & Cogswell.

Ordinance No. 28016. Wagon scale in front of lot 5, block 15, East Portland. Edlefsen Fuel Co.

Ordinance No. 28654. Wagon scale at south side of East Alder street, between East First street and East Second street. Pearson Page Co.

Ordinance No. 28672. Track scale on west side of Macadam street between Lane street and Gaines street. Fisher, Thorsen & Co.

Ordinance No. 30631. Wagon scale on north side of Goldsmith street, between Delay street and Mississippi avenue. Star Sand Co.

Ordinance No. 31849. Wagon scale at Thirteenth and Pettygrove streets; Willamette Fuel & Supply Company.

Ordinance No. 33396. Pacific Storage & Delivery Co., wagon scales at East Madison street, near East Water street.

Ordinance No. 33453. Portland Artificial Ice Co., wagon scales, Eighteenth street near Thurman.

Ordinance No. 34139. J. M. Hart Mercantile Co., to install wagon scales in Stockton street.

Ordinance No. 34203. Electric Steel Foundry Co., to install wagon scales on Lot 1, Block 13, Dorcher's Addition.

Ordinance No. 34676. Blumauer Frank Drug Co., to construct wagon scales on Eighth street.

Ordinance No. 35456. I. T. Howett, wagon scale, East Eighteenth street near Burnside street.

Ordinance No. 36402. Portland Flouring Mills, track scales, East First street.

Ordinance No. 36403. Portland Flouring Mills, track scales, East Second street.

Ordinance No. 38251. Public Service Commission, scale in East Oak street.

Ordinance No. 39070. Portland Flouring Mills, track scale, East Second street and East Stark street.

Ordinance No. 43018. Columbia Digger Co., install street platform scales.

Ordinance No. 43142. Nickum & Kelly, construct platform scale, East Alder street.

Ordinance No. 43143. Columbia Contract Co., install platform scale at 294 East Salmon street.

Ordinance No. 43943. Phoenix Iron Works, in re platform scale on Union avenue.

Ordinance No. 45605. Oregon Freight Terminal Co., construct platform scale, East Water street.

Ordinance No. 47341. O. W. R. R. & N. Co., truck scales, Front street.

Ordinance No. 52177. Platform scale in street area of Quimby street, between Thirteenth street and Fourteenth street. Pacific Waste Paper Company.

STRETCHING WIRES, ETC.

Ordinance No. 41517. W. P. Hawley, Jr., to maintain guy wires.

Ordinance No. 41059. Bergie Electric Company, to stretch radio wire.

Ordinance No. 41060. C. O. Thorington, to stretch radio wire.

Ordinance No. 41692. Journal Publishing Company, to stretch telephone wire across Broadway.

Ordinance No. 41799. Richard Hughes, to stretch telephone wire across East Twenty-ninth street.

Ordinance No. 41855. Oregonian Publishing Company, to stretch wires across Alder street.

Ordinance No. 40905. Postal Telegraph Company, to string wires across Fifth street.

Ordinance No. 41004. Leonard Irving, to stretch telegraph wire across East Morrison street.

Ordinance No. 41034. Charles L. Reynolds, Jr., to stretch wires across East Twenty-sixth and East Twenty-seventh streets.

Ordindance No. 41829. Alex E. Miller, to alter building.

Ordinance No. 39361. Rose Festival Association, stretch wires across certain streets.

Ordinance No. 41725. Cotillion Hall, string electric lights.

Ordinance No. 42117. Jensen & Von Herberg, stretch illuminating wires.

Ordinance No. 42211. Harry S. Chaney, stretch aerial wire.

Ordinance No. 44884. Blue Mouse Theatre, string electric lights, Washington street.

Ordinance No. 42549. Hunter-Walsh Company, stretch wires across Burnside street.

Ordinance No. 42935. Harry S. Chaney, stretch radio aerial wire.

Ordinance No. 43003. Portland Rose Festival Association, string banners and erect decorations, etc.

Ordinance No. 43502. Peoples Amusement Co., stretch wires across West Park street.

Ordinance No. 43748. L. A. Waggener, stretch aerial wires across East Third street.

Ordinance No. 43770. Blue Mouse Theatre, stretch electric lights.

Ordinance No. 44205. Portland Gas & Coke Co. and Pacific Telephone & Telegraph Co., construct hanging conduits.

Ordinance No. 44288. Postal Telegraph & Cable Co., stretch aerial wire caross Broadway.

Ordinance No. 44351. John C. Goss, stretch radio aerial wire across Halsey street.

Ordinance No. 45076. Hyatt Talking Machine Co., stretch wires across West Park street.

Ordinance No. 45098. Mrs. Lola F. Murphy, erect apartment building on East Broadway.

Ordinance No. 45099. W. H. Harper, multiple dwelling, 1607 Virginia street.

Ordinance No. 45101. Edward Mendenhall, alter apartments, 249 Fifth street.

Ordinance No. 45102. W. A. Carpenter, maintain apartment building, 101 East Twenty-second street, North.

Ordinance No. 45103. F. D. Weber, maintain apartment building at 52 North Twenty-first street.

Ordinance No. 45270. M. G. Steel, erect fence, Forty-fifth avenue, South East.

Ordinance No. 45772. H. C. Knight, stretch radio wire across Kelly street.

Ordinance No. 46264. J. R. Bowles, lay electric conduit, Carter street.

Ordinance No. 48239. Postal Telegraph Co., erect pole line along certain route.

Ordinance No. 51559. Electrical conduit under and across East Ankeny street, immediately east of the intersection of East Thirty-third and East Ankeny streets. H. A. Green.

Ordinance No. 53479. Attach wires to City Hall. Southern Pacific Company.

SIGNS

Ordinance No. 15324. Illuminated sign at 109 Sixth street. Fred Fritz.

Ordinance No. 22050. Permission to move electric signs from Third and Yamhill streets to Eleventh and Morrison streets. George L. Baker.

Ordinance No. 22617. Electric sign at First and Washington streets. Apollo Roller Skating Rink Co.

Ordinance No. 23230. Electric sign across Burnside street, between Second and Third streets. Fritz & Russell.

Ordinance No. 24245. Electric sign across Alder street at West Park street. Peoples Amusement Co.

Ordinance No. 24499. Two electric signs across Third street and Fourth street. Philip Gevurtz.

Ordinance No. 25411. Electric sign across Alder street at First street. Portland Railway, Light & Power Co.

Ordinance No. 25653. Electric sign across Washington street, between Tenth and Eleventh streets. Globe Theatre Co.

Ordinance No. 26216. Electric sign on east side of Fifth street, south of Oak street. Kilham Stationery and Printing Co.

Ordinance No. 26494. Electric sign across Seventh street. Orpheum Theatre.

Ordinance No. 26675. Electric sign across Seventh street at Oak street. Wright-Dickinson Hotel Co.

Ordinance No. 26728. Electric sign across Sixth street, between Stark and Washington streets. Columbia Theatre Co.

Ordinance No. 26729. Electric sign across Seventh street and Park street. Empress Theatre.

Ordinance No. 26797. Remove electric sign from 111 Third street to southwest corner of Sixth and Washington streets. Brasfield & Porges.

Ordinance No. 29443. Electric sign across Washington street at Fourth street. Lyric Theatre Co.

Ordinance No. 22046. Metallic sign in front of 30-32 North Fifth street. The Rosenfeld-Smith Co.

Ordinance No. 24007. Signs marking Pacific Highway on certain streets. Pacific Highway Association.

Ordinance No. 26251. Signs on telephone poles. Library Association of Portland.

Ordinance No. 26827. Two post signs. Portland Fruit and Flower Mission.

Ordinance No. 30758. Electric sign at northwest corner of Broadway and Yamhill streets. Orpheum Theatre.

Ordinance No. 31778. Light sign at Broadway and Stark street; Turner & Dahnken.

Ordinance No. 32142. Electric sign across Broadway, near Taylor; Orpheum Theatre & Realty Company.

Ordinance No. 31703. Electric light sign at corner of Broadway and Yamhill streets; Hippodrome.

Ordinance No. 32252. Signs and danger signals in East Eighty-second, Halsey, East Fifty-second, East Fifty-third, East Forty-seventh, East Fifty-fifth and East Sixtieth streets; O-W. R. & N. Company.

Ordinance No. 37337. Multnomah Fire Co., a sign.

Ordinance No. 38548. Portland Wire & Iron Works, metal sign, 294 Second street.

Ordinance No. 39728. Portland Railway, Light and Power Co., sign on Sixth street north of Irving street.

Ordinance No. 38494. Shaw Supply Co., electric sign, Medical Bldg.

Ordinance No. 38931. G. T. Woodlaw, electric sign, Washington street and Fourth street.

Ordinance No. 40111. John Herrimuck, electric sign, Washington street near Tenth street.

Ordinance No. 40283. Multnomah Hotel, electric sign, Fourth and Pine streets.

Ordinance No. 37337. Multnomah Tire Co., to maintain sign.

Ordinance No. 37360. C. G. Applegate, electric sign at 352 Alder street.

Ordinance No. 37483. C. Korber, to move clock to 287 Alder street.

Ordinance No. 37953. Jensen & Von Herberg, to erect electric signs in front of Liberty Theater.

Ordinance No. 38214. First Congregational Church, to erect electric sign at Park and Madison streets.

Ordinance No. 38258. American Legion, to display electric sign at 311 Pine street.

Ordinance No. 39040. Grocers and Merchants Association, erect arrow signs.

Ordinance No. 40402. Stout, Lyons Drug Co., electric sign, Stark and Broadway.

Ordinance No. 41962. Swiss Floral Co., maintain sign, East Seventh street.

Ordinance No. 42095. Joseph Matschiner, maintain electric sign, Broadway Hotel.

Ordinance No. 42598. Grocers and Merchants Association, erect arrow signs.

Ordinance No. 42668. Portland Telegram, operate score board.

Ordinance No. 43182. Moose Club, stretch banner over Fourth street.

Ordinance No. 43914. Tin Yee Society, hang welcome sign 66 Second street.

Ordinance No. 45154. First Congregational Church, maintain electric signboard, Park and Madison streets.

Ordinance No. 44897. Frank Winter, alter electric sign, 125 Fourth street.

Ordinance No. 44898. W. A. Graeper, maintain electric sign, 515 Union avenue, North.

Ordinance No. 47818. Northwestern National Bank, erect electric sign on Northwestern Bank Building.

Ordinance No. 48213. Beaver Electric Company, electric sign, Grand avenue.

Ordinance No. 48371. Electric sign on Madison street, between First and Front streets. Fred Knudsen.

Ordinance No. 49048. Electric sign over and across Alberta street at East Thirtieth street. Alameda Theatre Co.

Ordinance No. 49097. Move an electrical sign over and across the street at the intersection of Eleventh and Morrison streets. Oregon Hippodrome Co.

Ordinance No. 49109. Cloth banner across street at East Thirteenth street and Tacoma avenue. Sellwood Baptist Church.

Ordinance No. 49160. Stretch banner across Sixty-ninth street, Southeast. Kern Park Christian Church.

Ordinance No. 49436. Erect billboard on front fire wall of building located at southeast corner of Front and Burnside street. Liberty Coal & Ice Co.

Ordinance No. 49442. Erect electrical sign at Third and Glisan streets. Security Storage & Transfer Co.

Ordinance No. 49785. Erect sign within the street area at the southerly side of Pittsburgh street immediately east of Crawford street. Peninsula Foundry & Machine Co.

Ordinance No. 50726. Erect an electric sign over and across Hawthorne avenue immediately east of East Thirty-Seventh street. Multnomah Theatres Corporation.

Ordinance No. 51603. Electrical sign at Third and Glisan street and northeast corner of Fifth and Pine streets. Security Storage & Transfer Co.

Ordinance No. 52016. Beaver Board sign 8'x4' representing Yankee Clipper, etc. Columbia Theatre.

Ordinance No. 52410. Cloth banner across intersection of Third and Burnside streets, from June 18th to June 30th, inclusive. Burnside Street Widening Association.

Ordinance No. 52411. Cloth banner across the intersection of Hawthorne avenue and East Water street and East Burnside street and Union avenue, from June 18th to June 30th, inclusive. East Side Business Men's Club.

Ordinance No. 52488. Sign in parking strip of Fifty-ninth avenue Southeast, at the northeast corner of the intersection of Seventy-second street Southeast and Fifty-ninth avenue Southeast. Tremont Church of the United Brethren.

Ordinance No. 52962. Street signs at certain localities in the City of Portland. Oregon State Motor Association.

Ordinance No. 53097. Electric clock in sidewalk area in front of 356 Alder street. Staples, Inc.

Ordinance No. 53247. Two temporary signs, one at northwest corner of Fifth and Salmon, and ont on north side of Salmon street, 75 feet west of Fifth street. National Portland Garages, Inc.

Ordinance No. 53298. Hang festoons on Broadway between Salmon street and Main street, and placing cutouts on the lamp posts along Broadway from Washington street to Main street, announcing the arrival of Eddie Peabody. Broadway Theatre.

Ordinance No. 53323. Banners and signs on streets of the City of Portland. University of Oregon Associated Students.

Ordinance No. 53340. Repealing Ordinance No. 53298.

Ordinance No. 53414. Stretch banner across Jersey street for a period of seven days. St. Johns Community Club.

SIGN PERMITS
GRANTED UNDER PROVISIONS OF ORDINANCES 27662 AND 27933

Location	Date	Granted to
269 Crosby St.	12-18-13	Wurtenberger & Heinrich
200 Morrison St.	12-19-13	J. A. Clemenson Drug Co.
340 Morrison St.	12-19-13	The Wiley B Allen Co.
124 Russell St.	12-19-13	H. H. Heide
332 Washington St.	12-20-13	J. H. Leighton
61 N. 14th St	12-20-13	Howard Automobile Co.
740 Union Ave. N.	12-20-13	Henry Maier
132 Fourth St.	12-22-13	The Louvre
205 First St.	12-22-13	Lankin & Wildi.
56 N. Fourth St.	12-22-13	Tom K. Tanaka
4638 67th St. S. E.	12-22-13	A. Bonellis
268 Russell St.	12-22-13	Earl F. Hall
346½ Morrison St.	12-22-13	W. E. Songer
729 Williams Ave.	12-22-13	Sam and Bert West
164 Second St.	12-22-13	L. T. Outhier
263 First St.	12-22-13	Kamusher & Nudelman
523 Union Ave. N.	12-23-13	Donohue & Wagnitz
93½ Sixth St.	12-23-13	Chan Hi
212 Yamhill St.	12-23-13	Athos & Claude Ciattino
348 Morrison St.	12-23-13	W. H. Hamilton
124 Union Ave.	12-23-13	Accommodation Bag. & Tr. Co.
686½ Lombard St.	12-23-13	Peninsula Lodge, 128, I. O. O. F.
28½ N. Third St.	12-23-13	B. C. Larson
410 Stark St.	12-23-13	Schubert Bros.
210 Morrison St.	12-23-13	Gerspach & Stroup
652½ Alberta St.	12-23-13	Alberta Lodge 233, I. O. O. F.
167 Third St.	12-23-13	F. W. Winter
107½ Sixth St.	12-23-13	Hong Kong Cafe
107½ Sixth St.	12-23-13	Hong Kong Cafe
347½ Morrison St.	12-23-13	New Republic Grill
347½ Morrison St.	12-23-13	New Republic Grill
347½ Morrison St.	12-23-13	New Republic Grill
167 Broadway	12-23-13	Chambers & Son
567 Washington St.	12-24-13	Bert E. Allen
314 Second St.	12-24-13	Al Seguin
107½ Fourth St.	12-24-13	Ola J. Sharp
109 Broadway	12-24-13	Wyckoff & Butler
82½ Sixth St.	12-24-13	E. C. Ball
275 Third St.	12-24-13	Martin Denny
227 First St.	12-26-13	Joe Sigrist
106 Grand Ave.	12-26-13	Strowbridge Hdwe. & Pt. Co.
128 6th and 311 Alder St.	12-26-13	Hof Brau—Quelle
441 Washington St.	12-26-13	Julius P. Levy
1693 E. 13th St.	12-26-13	L. Charack
49 N. Third St.	12-26-13	Splidsboel & Nelson
311 Alder St.	12-26-13	Hof Brau—Quelle
108 Nelson St.	12-26-13	A. Brugger
233 Burnside St.	12-26-13	A. Clark
639 Washington St.	12-27-13	Geo. Moulton
126 Broadway	12-27-13	Western Union Tel. Co.
266½ Front St.	12-29-13	T. Sumida
326 Alder St.	12-29-13	Gemose & Ellis
247 Alder St.	12-29-13	Holden & Schlickeiser
68½ N. Sixth St.	12-30-13	H. B. Roberts (Jack. 10c Store)
287 Alder St.	12-30-13	Alder Hotel Co.
187 Fourth St.	12-30-13	Ham Bros.
292 Burnside St.	12-30-13	Wm. Schmidt
29 W. Fourth St.	12-30-13	M. Kawata
6½ N. Third St.	12-30-13	Anton Canduyler
246½ Yamhill St.	1- 6-14	Hotel D'Moy
253½ Washington St.	1-12-14	American Sign Co.
400 Hawthorne Ave.	1-29-14	American Sign Co.
385 E. Morrison St.	1-29-14	American Sign Co.
72 and 74 Fifth St.	1-29-14	Globe Liquor Co.
350 Morrison St.	2- 5-14	American Sign Co.
174 Fourth St.	2-10-14	W. D. Fraley
210 First St.	2-13-14	C. E. Obrist

SIGN PERMITS—Continued

Location	Date	Granted to
127 Broadway	2-18-14	Postal Telegraph Co.
49 Third St.	2-20-14	American Lens Sign Co.
293 Morrison St.	2-21-14	American Sign Co.
128½ Broadway	2-24-14	American Sign Co.
283 Washington St.	3-26-14	Portland Sign Co.
810 East Broadway	3-26-14	American Lens Sign Co.
Forty-second and Sandy Road	3-26-14	Portland Sign Co.
127 Eleventh St.	3-26-14	Portland Sign Co.
Eleventh and Alder Sts.	3-26-14	Portland Sign Co.
350 Alder St.	4- 1-14	Hyatt Talking Machine Co.
348 Alder St.	4- 8-14	Lang & Krause
191 Morrison St.	4-14-14	American Lens Sign Co.
265 Morrison St.	4-15-14	Boardman & Burgoal
107 Third St.	4-20-14	Ry. Exchange Bldg.
48 N. Second St.	4-21-14	Portland Sign Co.
Fourth and Morrison Sts.		R. M. Gray
75 N. Third St.	4-29-14	Portland Sign Co.
147 Third St.	4-29-14	Portland Sign Co.
143 Broadway	5- 4-14	American Sign Co.
148 Park St.	5- 4-14	Portland Sign Co.
146 Sixth St.	5- 4-14	Columbia Optical Co.
161 Third St.	4- 9-14	Brownsville Woolen Mills
231½ Morrison St.	5-11-14	Meek Sign Co.
69 N. Tenth St.	5-12-14	Wm. Schmidt
86 Tenth St.	5-13-14	Portland Sign Co.
Tenth and Burnside Sts.	5-14-14	Indian Grille
66¾ Sixth St.	5-14-14	C. H. Green
Broadway and Everett Sts.	5-16-14	Portland Sign Co.
1320 Sandy Blvd.	5-16-14	American Lens Sign Co.
Sixth and Washington Sts.	5-16-14	American Lens Sign Co.
113 N. Sixth St.	5-18-14	Peter Lamkes

SIGN PERMITS—Continued
GRANTED UNDER PROVISIONS OF ORDINANCE 28959

Location	Date	Granted to
428 Washington St.	5-25-14	Gately's Credit Clothing Co
108 Third St.	6- 3-14	Nichol the Tailor
309 Burnside St.	6- 3-14	Gus Petropolus
270 Burnside St.	6- 3-14	Mike Dowgiallo
16 North Fourth St.	6- 3-14	Mike Dowgiallo
124½ Fourth St.	6- 9-14	Montgomery & Lumadue
West Park and Alder Sts.	6-15-14	Woodard, Clarke & Co.
537 Union Ave.	6-23-14	N. W. Hart
148 Broadway	7- 2-14	Weber Sign Co.
Foster Rd., bet. E. Main & Marion	7- 6-14	H. H. Spring
109 Eleventh St.	7-31-14	Butterworth-St. Helen Co.
226 Pine St.	8- 4-14	Weber Sign Co.
537 Union Ave.	8-14-14	American Lens Sign Co.
144 Fourth St.	8-14-14	American Lens Sign Co.
74 Third St.	8-14-14	American Lens Sign Co.
92 N. Third St.	8-14-14	American Lens Sign Co.
Fourth and Burnside Sts.	8-24-14	American Lens Sign Co.
Second and Couch Sts.	9-15-14	American Lens Sign Co.
Couch, bet. Second and Third	9-15-14	American Lens Sign Co.
322½ Williams Ave.	9-15-14	Theodore Rieger
241 Couch St.	9-16-14	Stasewich & Galash
Fourth, bet. Washington & Alder.	9-17-14	M. H. McMahon
280 Morrison St.	10-13-14	Portland Sign Co.
Sixth and Burnside Sts.	10-13-14	Elephant Pharmacy
Broadway, bet. Stark and Wash.	10-14-14	Orpheum Theatre
126 Broadway	10-15-14	Meek Sign Co.
117 Main St.	10-15-14	Theckla Bright
Stark and West Park Sts.	10-17-14	American Lens Sign Co.

SIGN PERMITS—Continued

Location	Date	Granted to
291½ Tenth St	10-26-14	Puritan Delicatessen
552 Union Ave	10-27-14	J. H. Fenton
Twelfth and Washington Sts	10-27-14	Nortonia Hotel Co.
West Park and Washington Sts	10-27-14	Bushnell's Studio.
151 Fourth St	11- 4-14	Portland Sign Co.
530 Mississippi Ave	11-12-14	Wray & Wray
246 Burnside St	11-14-14	American Lens Sign Co.
Sixth, bet Alder and Morrison Sts.	11-19-14	Portland Sign Co.
Second, bet. Burnside and Couch.	11-19-14	Portland Sign Co.
80 Third St	11-19-14	Portland Sign Co.
Park, bet. Stark and Washington	11-27-14	Portland Sign Co.
West Park, bet. Stark and Wash.	11-27-14	Portland Sign Co.
60th Ave., bet. 82nd & 10th Aves.	11-28-14	W. S. Bennett
349 Washington St	11-28-14	American Lens Sign Co.
126 Fourth St	11-28-14	American Lens Sign Co.

SIGN PERMITS—Continued

GRANTED UNDER PROVISIONS OF ORDINANCES NO. 28959 AND NO. 30332

Location	Date	Granted to
336 Broadway	12-3-14	Waldorf Barber Shop
101 Fourth St	12-10-14	Portland Sign Co.
165 Fourth St	12-28-14	Geo. L. Boynton
141 Broadway	1- 7-15	Weber Sign Co.
389 Washington St	1- 8-15	NePage & McKenney
381 Washington St	1- 8-15	NePage & McKenney.
331 Oak St	1- 9-15	Zancher Co.
62 Third St	1-18-15	Portland Sign Co.
245 Davis St	1- 18-15	Portland Sign Co.
62 Third St	1- 18-15	Portland Sign Co.
293 Grand Ave	1- 20-15	Main Electric Co.
147½ N. Sixth St	1- 21-15	Bang's Restaurant
245 Stark St	1- 28-15	Weber Sign Co.
185 Third St	2- 3-15	Main Electric Co.
409 Washington St	2- 3-15	Portland Sign Co.
1090 Belmont St	2- 8-15	Main Electric Co.
311 Washington St	2- 8-15	Portland Sign Co.
103 Sixth St	2-13-15	Gus Petroplus
204½ Washington St	2-13-15	Portland Sign Co.
243 Davis St	2-13-15	Portland Sign Co.
243 Davis St	2-13-15	Portland Sign Co.
367 Washington St	2-13-15	Portland Sign Co.
106 N. Main St. (Lents)	2-15-15	Benge & Bell
4515 Sixty-fifty St. S. E.	2-19-15	Arleta Bldg. Association
209 Morrison St	2-20-15	McDonald & Powell
64 Sixth St	2-24-15	Betty Olofson
SE corner Morrison and W. Park.	2-24-15	Central Drug Co.
Fourth, bet. Morrison and Alder.	2-25-15	Goodyear Shoe Co.
NW cor. Fifth and Washington	2-25-15	Henry Jenning & Sons.
5 N. Sixth St	2-25-15	I. B. Sturges
342 Alder St	3- 6-15	Main Electric Co.
130 Broadway	3- 8-15	Portland Sign Co.
140 Third St	4-12-15	Wonder Clothes Shop
West Park, bet. Washington and Alder Sts	3-15-15	Portland Sign Co.
NE cor. Fourth and Alder Sts	3-24-15	Portland Sign Co.
SE cor. Fourth and Stark Sts	3-24-15	Portland Sign Co.
324 Alder St	3-24-15	Multnomah Display
230 Washington St	3-27-15	Multnomah Display
134 Fourth St	3-27-15	Weber Sign Co.
269 Washington St	4- 2-15	Weber Sign Co.

SIGN PERMITS—Continued

Location	Date	Granted to
322 Washington St	4-12-15	Portland Sign Co.
110 N. Sixth St	4-13-15	Portland Sign Co.
362½ Alder St	4-15-15	Metropole Hotel
235 Morison St	4-19-15	Multnomah Display
275 Morrison St	4-19-15	Multnomah Display
249 Stark St	5-13-15	Weber Sign Co.
678 E. Broadway	5-13-15	The Sugar Bowl
327 Stark St	5-13-15	A. L. McDonald
413 Burnside St	5-26-15	Hotel Canadian
Washington St., bet. West Park and Tenth Sts	5-27-15	NePage & McKenney Co.
SE cor. Washington and Broadway	6- 4-15	M. A. Gunst & Co.
NE cor. Fifth and Morrison Sts	6- 4-15	M. A. Gunst & Co.
273 Grand Ave	6- 8-15	Main Electric Co.
SE cor. Sixth and Washington	7- 1-15	M. A. Gunst & Co.
SW cor. Third and Alder Sts	7- 1-15	M. A. Gunst & Co.
NW cor. Fourth and Washingon	7- 1-15	M. A. Gunst & Co.
360 Alder St	7- 8-15	Multnomah Display
103 Broadway	7-12-15	Portland Sign Co.
220 Morrison St	7-16-15	United Drug Store
185 First St	7-16-15	Gevurtz Furniture Co.
321 Washington St	7-23-15	Allen & Lewis
396 E. Clay St	7-24-15	N. F. Noren
206 Couch St	7-24-15	Henry Martyoff
216 Morrison St	7-31-15	C. E. Obrist
321 Washington St	7-31-15	Advance Sign Co.
Roof of Meier & Frank Bldg	8- 2-15	Portland Sign Co.
343 Washington St	8- 2-15	Portland Sign Co.
103 Broadway	8- 2-15	Portland Sign Co.
325 Alder St	8- 2-15	E. H. Holt.
266 Morrison St	8-13-15	Western Electric Works
322½ Stark St	8-18-15	Weber Sign Co.
165 First St	8-18-15	Weber Sign Co.
272 Washington St	9- 2-15	United Clothes Shop
328 E. Morrison St	9-13-15	Rose City Athletic Club
130 Third St	9-15-15	Portland Sign Co.
160 Fourth St	9-15-15	Portland Sign Co.
91 Sixth St	9-20-15	Advance Sign Co.
NE cor. Fourth and Washington.	9-20-15	A. C. Hallam
SW cor. Third and Alder Sts	9-24-15	A. C. Hallam
SW cor. Sixth and Washington	9-29-15	Advance Sign Co.
N. side Alder, bet. Third and Fourth Sts	10- 1-15	Aug. Goetielman
369 and 371 E. Morrison Sts	10- 8-15	Casey House Furn. Co.
108 Broadway	10- 9-15	Portland Sign Co.
206 Broadway	10-14-15	Advance Sign Co.
1058 E. Twenty-fourth St. N	10-14-15	Beardsley & Thompson
82 Fifth St	11- 1-15	Advance Sign Co.
172½ Fourth St	11- 1-15	C. E. Obrist
65 N. Sixth St	11- 4-15	Standard Sign Co.
193 Broadway	11-10-15	W. C. Parrish
348 Morrison St	11-18-15	Andrew Kan Asiatic Imp. Co.
135 Fourth St	11-29-15	Advance Sign Co.

SIGN PERMITS—Continued
GRANTED UNDER THE PROVISIONS OF ORDINANCE NO. 30332

Location	Date	Granted to
102 Broadway	12- 3-17	A. C. Montgomery
1712 E. Glisan	12- 5-17	J. W. Higgins
104 Broadway	12- 5-17	Ramsay Sign Co.
113 Fourth St	12- 7-17	H. T. Drennen El Co
125 Fourth St	12-10-17	A. C. Montgomery
22 N. Broadway	12-10-17	A. C. Montgomery
347 Morrison	12-10-17	A. C. Montgomery
60 Third St	12-13-17	A. C. Montgomery
153 Broadway	12-14-17	R. Cheney
111 W Park	12-15-17	H. E. Marsh
86½ Broadway	12-21-17	A. C. Montgomery
315 Morrison	12-21-17	A. C. Montgomery
48 Killingsworth Ave	12-24-17	H. E. Marsh
28 N. Broadway	12-24-17	H. E. Marsh
114 Grand Ave	1- 2-18	H. E. Marsh
173 Broadway	1- 8-18	R. S. Chaney
721 Powell	1-10-18	A. C. Montgomery
39 North Third	1-21-18	Marsh Sign Co.
126 Third St	1-23-18	A. C. Montgomery
120½ Fifth St	1-23-18	A. C. Montgomery
86 Tenth St	1-23-18	E. A. Fearing, Jr.
133 Fourth St	2- 6-18	Marsh Sign Co.
282 Washington	2- 6-18	Marsh Sign Co.
248 Madison	2-13-18	A. C. Montgomery
9 N. Sixth St	2-14-18	Portland Sign Co.
87½ Russell	2-15-18	H. Kare
121 Fourth	2-23-18	Marsh El Sign Co.
285 Washington St	2-26-18	A. C. Montgomery
270 Third St	2-27-18	A. C. Montgomery
131 Park St	3- 6-18	Marsh El Co.
514 Alder St	3- 9-18	Twin States Motor Car Co.
251 First St	3-15-18	F. Robinson.
309 Stark St	3-22-18	A. C. Montgomery
1404 Hawthorne	3-25-18	Marsh El Sign Co.
109 S. Jersey	3-29-18	C. E. Beebe
326 Stark St	4- 3-18	Marsh El Sign Co.
184 Second St	4- 3-18	A. C. Montgomery
52 Third St	4- 5-18	Marsh El Sign Co.
345½ Washington St	5-15-18	R. S. Chaney
146 Broadway	4-17-18	Portland Knit Wear Co.
342½ Alder St	4-20-18	J. M. Elskamp
250 Stark St	4-22-18	Marsh El Sign Co.
148 Fifth St	5- 3-18	Marsh El Sign Co.
104 Fourth St	5- 7-18	A. C. Montgomery
214 Columbia	5- 7-18	Marsh El Sign Co.
88 Sixth St	5-20-18	Marsh El Co.
702 Washington St	5-23-18	Marsh El Sign Co.
141 Killingsworth	5-23-18	A. C. Montgomery
331 Oak St	5-23-18	A. C. Montgomery
275 Fifth St	5-24-18	A. C. Montgomery
12 Grand Avenue N	6- 5-18	A. C. Montgomery
68 Fifth St	6- 6-18	A. C. Montgomery
321 Burnside	6- 8-18	Marsh El Sign Co.
445 Hawthorne	6- 8-18	Henry Fassbender
86 Sixth St	6-17-18	Marsh El Sign Co.
28¼ N. Second	7- 2-18	A. C. Montgomery

SIGN PERMITS—Continued
GRANTED UNDER THE PROVISIONS OF ORDINANCE NO. 34278

Location	Date	Granted to
48 N. Broadway	7- 5-18	Marsh El Sign Co.
353 Alder St	7- 5-18	Marsh El Sign Co.
300 Oak St	7- 5-18	A. C. Montgomery
112 Sixth St	7-11-18	A. C. Montgomery
152 Broadway	7-13-18	A. C. Montgomery
141 Broadway	7-19-18	Marsh El Sign Co.
215 First St	7-23-18	Marsh El Sign Co.
383 Washington St	7-26-18	Marsh El Sign Co.
335 Ankeny St	8-20-18	A. C. Montgomery
Eleventh and Morrison Sts	9-11-18	Alcazar Players
Eleventh and Morrison Sts	9-13-18	Alcazar Theatre
1092 Hawthorne	9-20-18	A. E. Meserve
97 Broadway	9-25-18	Liberty Theatre Corp.
385 Alder St	10- 9-18	Ramsay Sign Co.
120 Fifth St	10-10-18	Marsh El Sign Co.
347 Washington St	10-17-18	Regal Shoe Co.
235 Clay St	10-17-19	H. Inabayashi
N. E. Cor. Third and Morrison	10-23-18	Marsh El Sign Co.
112 N. Sixth St	11- 4-18	Marsh El Sign Co.

STREET CLOCKS

Ordinance No. 9810. Clock, northwest corner of Third and Washington streets. Albert Feldenheimer.

Ordinance No. 13452. Clock on Third street in front of Mohawk building. Butterfield Bros.

Ordinance No. 19744. Clock in front of 268 Washington street. F. Friedlander.

Ordinance No. 19979. Clock at 149 Third street. I. Holsman.

Ordinance No. 20306. Clock at 548 Williams avenue. Hamilton Jewelry Co.

Ordinance No. 20463. Clock at 40 Third street. Holzman Bros.

Ordinance No. 21819. Clock at 283 Morrison street. Marx & Bloch.

Ordinance No. 22295. Clock at 324 Washington street. A. & M. Delovage.

Ordinance No. 23139. Clock at 1144 Albina avenue. Dillen Rogers.

Ordinance No. 23549. Remove clock from 286 Morrison street to 130 Fifth street. G. Heitkemper Co.

Ordinance No. 23787. Clock on north side of Washington street, near Sixth street. Holzman Bros.

Ordinance No. 24006. Clock in front of 225 First street. A. E. Hurwitz.

Ordinance No. 25011. Remove clock from 284 Washington street to 386 Washington street. L. C. Henrichsen Co.

rdinance No. 26575. Street clock at 162 First street. Isaac E. Staples.

Ordinance No. 27226. Street clock on south side of Washington street, 20 feet south of Broadway. I. Aronson.

Ordinance No. 27882. Move street clock from 403 East Morrison to 105 Grand avenue. A. E. Burke.

Ordinance No. 27923. Public clock at 121 Third street O. Korber.

Ordinance No. 28030. Street clock at 254 Alder. Lindquist & Nelson.

Ordinance No. 28115. Move street clock from 285 Washington street to corner of Washington and Park streets. A. & C. Feldenheimer.

Ordinance No. 28158. Street clock at 268 Washington street. Leffert Jewelry Co.

Ordinance No. 28656. Street clock at 373 East Burnside street. Rogers Bros.

Ordinance No. 30216. Clock at 141 A Broadway. Herman J. Altstock.

Ordinance No. 30255. Clock at 387 Alder street. H. I. Mendelsohn.

Ordinance No. 30386. Clock at 240 Alder street. Roy & Molin.

Ordinance No. 30812. Clock at 1651 E. Thirteenth street. Fallis & Matthews.

Ordinance No. 32118. Clock at 315 Washington street. Davids Jewelers, Inc.

Ordinance No. 32246. Clock at 522 Williams avenue; Rodney Estate.

Ordinance No. 32227. Clock at 343 Washington street; Davids Jewelers.

Ordinance No. 32118. Clock at 294 Washington street; I. Holsman.

Ordinance No. 26575. Clock at 266 Morrison street; I. E. Staples.

Ordinance No. 31575. Clock at 334 Washington street; Felix Bloch.

Ordinance No. 31702. Clock at 325 Washington street; H. I. Mendelson.

Ordinance No. 32246. Rodney Estate Co., street clock, 522 Williams avenue.

Ordinance No. 32269. Mrs. Tillie Grossman, street clock, 149 Third street.

Ordinance No. 32316. Estate Thomas Scott Brooke, street clock at 343 Washington street.

Ordinance No. 32357. Henry Albert, street clock at 134 Killingsworth avenue.

Ordinance No. 33797. Herman J. Alstock, street clock at 351 Morrison street.

Ordinance No. 35197. Citizens Bank, street clock at Grand avenue and East Alder.

Ordinance No. 37483. C. Korber, street clock at 287 Alder street.

Ordinance No. 39466. Felix Bloch, street clock at 348 Washington street.

Ordinance No. 42326. H. J. Altstock, maintain clock, 145 Park street.

Ordinance No. 43050. A. & C. Feldenheimer, remove street clock.

Ordinance No. 43051. Ben Reingold, erect street clock.

Ordinance No. 43452. Crescent Jewelry Co., erect street clock, 294 Washington street.

Ordinance No. 45689. M. Jacoby, erect street clock, 326 Washington street.

Ordinance No. 47893. Clauss & Pennell, street clock, 183 Sixth street.

Ordinance No. 47994. Bengale Jewelers, street clock, 343 Washington street.

MISCELLANEOUS

Ordinance No. 14514. Wooden cornice on building constructed on lots 5, 6, 7 and 8, block 3, Frush's Square. Owner of building.

Ordinance No. 14960. Coal shed on lot 8, block "S," Couch's Addition. W. A. Storey.

Ordinance No. 15006. Brick sidewalk in front of lots 5 and 6, block 43, Stephens Addition. A. Van Hoomisen.

Ordinance No. 15673. Steam pipe underneath street at intersection of Third and Montgomery streets. Edw. and Julia Holman.

Ordinance No. 16873. Subway across Twelfth street, between blocks 81 and 82, Couch's Addition. Henry Weinhard Estate.

Ordinance No. 17667. Exterior decoration extended 8 inches on sidewalk at northeast corner of Fifth and Washington streets. Perkins Hotel Co.

Ordinance No. 17671. Wooden passageway to connect wooden buildings on lots 1, 2, 3 and 4, block 61, East Portland (in fire limits). Nottingham & Co.

Ordinance No. 17910. Cement steps and cement walk on Marshall street, from west line of Twenty-sixth street to easterly line of Cornell street. L. Goldsmith and E. L. Lowell.

Ordinance No. 19148. Underground conduit for electric light, steam heat and power for Lewis Building, Fourth and Oak streets, to Couch Building, 90 feet north of Washington street on Fourth street. Lewis Investment Co.

Ordinance No. 19268. Underground steam pipe from southeast corner of Fourth and Oak streets to southwest corner of Fourth and Oak streets. C. K. Henry.

Ordinance No. 19347. Bay window on wooden building at 363 Yamhill street. Mrs. P. W. Gillett.

Ordinance No. 19620. Two additional stories on Chamber of Commerce Building. Owners.

Ordinance No. 20858. Permission to change stable at northwest corner of Eleventh and Morrison streets to theater. Baker Theater Stock Co.

Ordinance No. 20991. Permission to construct wooden building on lot 2, block 8, East Portland. Atlas Mixed Mortar Co.

Ordinance No. 21613. Underground refrigerator pipe line from point 40 feet south of northeast corner block 89, Couch's Addition, to point 40 feet north of southeast corner of block 89. Swift & Co.

Ordinance No. 21621. Tunnel under Stark street, between Third and Fourth streets, for water and steam pipes. Railway Exchange Building Co.

Ordinance No. 22045. Stairway on Hall street at intersection of Heights Terrace. Jos. Jacobberger.

Ordinance No. 22254. Install heater under the sidewalk on Park street, 95 feet north of Washington street, to be used as heating plant for Star Theatre. Owner of lot 2, Park, block 1.

Ordinance No. 22436. Retaining wall and steps along First street and Lowell avenue in front of lots 1 and 2, block "B," First Street Terraces. J. B. Laber.

Ordinance No. 22543. Underground pipes and conduits for steam and hot water from lot 5, block 176, to lot 8, block 177, Portland. Imperial Hotel Co.

Ordinance No. 22856. Allowing Oregon Electric Railway Co. to

use wooden poles instead of iron poles until February 13, 1912. Oregon Electric Co.

Ordinance No. 22860. Allowing Spokane, Portland & Seattle Railway Co. to erect certain buildings in its terminal yards without conforming to City Ordinances. Not good after February 13, 1912. Spokane, Portland & Seattle Railway Co.

Ordinance No. 24012. Temporary wooden auditorium building on Kamm tract. G. F. Johnson.

Ordinance No. 24093. Underground pipes across Seventh street, between Washington and Stark streets. Brooke Estate.

Ordinance No. 24183. Wooden fence 8 feet high on north side of Pettygrove street and west side of Thirteenth street. Vulcan Coal Co.

Ordinance No. 24339. Exempting block 4, Railroad Shops Addition, from provisions of Ordinance No. 23716 relating to stables.

Ordinance No. 24422. Underground steam pipe across Oak street from Wells-Fargo Building to Benson Building. Owners, Benson Building.

Ordinance No. 24650. Permitting owners of lot 3, Park block 2, to connect with sewer in Washington street. L. G. Clarke and W. F. Woodward.

Ordinance No. 24887. Public watering trough in front of lot 8, block 5, Watson's Addition. Owner.

Ordinance No. 24904. Steam pipes across Yamhill street, near Seventh street. Journal Building Co.

Ordinance No. 26304. Uncovered driveway under Broadway bridge. Albers Bros. Milling Co.

Ordinance No. 26557. Steps twenty-eight inches over property line. Vernon Presbyterian Church.

Ordinance No. 26629. Garage in Elm street, west of Montgomery Street Drive. Mrs. John Brooke.

Ordinance No. 26630. Sidewalk elevator on east side of Twelfth street, 55 feet north of Washington street. H. W. Fries.

Ordinance No. 27096. Crane on west side of Thirteenth street, between Northrup and Overton streets. Portland Iron Works.

Ordinance No. 27210. Stretch wires across Broadway, between Yamhill and Taylor streets for wireless telegraphy purposes. Y. M. C. A.

Ordinance No. 27243. Steps six inches over property line at 845 Milwaukie street. Owner.

Ordinance No. 27299. Barber pole at 1267 Macadam street. A. Margulis.

Ordinance No. 27434. Underground conduit in Marshall street, between Twenty-Second street and Twenty-third street. Board of Hospital Trustees.

Ordinance No. 27617. Gas main on Grand avenne bridge. Portland Gas & Coke Co.

Ordinance No. 27655. Steam condnit across Park street, between Washington and Alder streets. Northwestern Electric Co.

Ordinance No. 27734. Attach span wires for support of trolley wires to Fire Department building on Fourth street, between Morrison and Yamhill streets. Portland, Eugene & Eastern Railway Co.

Ordinance No. 27998. Four lamp posts on Salmon street, between Park and West Park streets for Arlington Club. Portland Railway, Light & Power Co.

Ordinance No. 28501. String electric wires across Holgate street, near East Eighteenth street. Oregon & California Railroad Co.

Ordinance No. 28502. Flume across certain timber land owned by City of Portland in Sections 30 and 31, T. 1 S., R. 5 E. W. M. Walker Creek Lumber Co.

Ordinance No. 28635. Underground steam pipe from Perkins Hotel to Swetland Building. Perkins Hotel Co.

Ordinance No. 28642. Blasting, Westover Terraces. Lewis-Wiley Hydraulic Co.

Ordinance No. 28702. Enclose with board fence certain blocks and intervening streets in University Park. Marion Erceg.

Ordinance No. 28813. Temporary freight depot on block 86, East Portland. Spokane, Portland & Seattle Railway Co.

Ordinance No. 28840. Suspended pneumatic tubes across Fifth street, between Alder and Morrison streets. Meier & Frank Co.

Ordinance No. 28898. Ornamental arches and lights on Third street, between Yambill and Glisan streets. Owuers and Tenants.

Ordinance No. 29076. Exempting First M. E. Church at Twelfth and Taylor streets from provisions of Ordinance No. 21455 till July 1, 1916, under certain conditions.

Ordinance No. 29363. Overhead sawdust conveyer across foot of Spokane avenue. East Side Mill & Lumber Co.

Ordinance No. 29438. Exempting buildings at 311 and 311½ Burnside street from provisions of Ordinance No. 21455 until January 1, 1915. Andrew C. Smith.

Ordinance No. 29597. Bracket lights on Fourth street, from Jefferson street to Burnside street for five years. Owners and Tenants.

Ordinance No. 29757. Seven ornamental iron lamp posts in Georgian Court. F. W. Hild.

Ordinance No. 29758. Underground conduit across Oak street, between Broadway and Park street, for steam pipes and electric wires. Benson Hotel Co.

Ordinance No. 29850. Drill well on south side of Marshall street, 130 feet west of Twentieth street. Portland Electric Ice Co.

Ordinance No. 25570. Ellis bumping post on Fourth street, 20 feet north of Glisan street. Union Meat Co.

May 3, 1905. Dry kiln in East Twenty-eighth street, in Sullivan's Gulch. Doernbecher Mfg. Co.

Ordinance No. 30054. Street light standard in front of 127 Grand avenue. O. W. West.

Ordinance No. 30208. Erect bracket light on Pittock block. Northwestern Electric Co.

Ordinance No. 30655. Sawdust bin and loading platform in Occident street, between Oregon street and East Irving street, for a period of five years. F. C. Stettler.

Ordinance No. 30695. Two rubber covered wires for private telephone from Lewis Building to Board of Trade Building in underground circnit. Kerr-Gifford & Co.

Ordinance No. 30803. Wig-wag crossing bells at First and Front streets and Front and Lane streets. Oregon & California Railroad.

Ordinance No. 30819. Overhead blowpipe across north Front street. Emerson Hardwood Co.

Ordinance No. 31004. Electrolier on Davis street in front of lot 7, block 45, Couch's Addition. H. W. Wallace.

Amusement park at Council Crest; Chas. A. Finley.

Ordinance No. 31667. Operation of train for Giebisch & Joplin on Union avenue viaduct, between Union avenue and fill and East Main and East Water streets; Portland Railway, Light & Power Company.

Ordinance No. 31080. Water column on East First street, between East Ash and East Pine streets; Oregon & California Ry. Co.

Ordinance No. 32230. Temporary occupancy of Eighth street, on Eighth street between Glisan and Hoyt streets; Grant Fee.

Ordinance No. 31115. To alter building at Fourth and Flanders streets; Ben Trenkman.

Ordinance No. 31252. Henry L. Corbett, to make change in Cambridge Building.

Ordinance No. 31287. Federal Telegraph Co., to maintain wires across Stark street.

Ordinance No. 31385. Emerson Hardware Co., to occupy portion of Sherlock avenue.

Ordinance No. 31441. Exempting City from provisions of Building Code on Public Auditorium.

Ordinance No. 31479. Karl Keller, to alter building corner Vancouver avenue and Ivy street.

Ordinance No. 31528. Fisher Thorsen Co., to lay steam pipe across Macadam street.

Ordinance No. 31536. Tacoma Dredging Co., to transport sand and gravel over P. R. L. & P. Co's lines.

Ordinance No. 31610. Inland Investment Co., to construct frame building.

Ordinance No. 31701. The Spaulding Co., to construct conveyor in Hazelwood Building.

Ordinance No. 31918. May Ling et al, to occupy portions of Mill street.

Ordinance No. 32043. Martjen A. Elfers and N. Director, to occupy a portion of Gibbs street.

Ordinance No. 32098. Railway Exchange Bldg. Co., to construct and maintain tunnel across Stark street.

Ordinance No. 32158. S. P. & S. Railway, to maintain shed on Blocks 217 and 225, Couch's Addition.

Ordinance No. 32208. Exempting building at 410 Fifth street from provisions of Section 728 of Ordinance No. 21455.

Ordinance No. 32252. O.-W. R. & N. Co., to place certain danger signs on certain streets.

Ordinance No. 32298. Wm. Cornfoot, to use a portion of River street et al.

Ordinance No. 32332. American Fire Alarm Co., fire alarm system.

Ordinance No. 32381. Exempting Huth Estate from certain provisions of Building Code, Lot 3, Block 212, Lownsdale Addition.

Ordinance No. 32429. Wm. Cornfoot, to use portions of certain streets for shipbnilding plant.

Ordinance No. 32475. U. S. Government, to construct sidewalk door on Glisan street.

Ordinance No. 32527. Willamette Box & Lumber Co., to construct tramway in First street, Linnton.

Ordinance No. 32533. Albina Engine & Machine Works, to use certain street area.

Ordinance No. 32568. M. H. Schmeer, to erect a wire fence on west half of Fourteenth street.

Ordinance No. 32654. Rasmussen & Co., to use east half of East Eleventh street.

Ordinance No. 32663. Jno. Kiernan and Daniel Kern, to use certain streets for shipbuilding plant.

Ordinance No. 32664. Jos. Supple et al, use of certain streets for shipbuilding plant.

Ordinance No. 32697. Loyal Order of Moose, exempting them from provisions of Building Code.

Ordinance No. 32709. American Fire Alarm Co., to use wires of Pacific Telephone and Telegraph Co.

Ordinance No. 32713. Sandy Lumber Co. and Brightwood Lumber Co., to build and maintain conduits and flumes across Bull Run.

Ordinance No. 32762. Donald Mackay, to enlarge mezzanine floor, Third and Yamhill streets.

Ordinance No. 32795. J. and S. Simon, to construct frame addition to building, Block "O," Couch Addition.

Ordinance No. 32855. Louise R. Rumelin, to install blow pipe across Gaines street.

Ordinance No. 32865. St. Johns Lumber Co., to use certain streets.

Ordinance No. 32892. Columbia Steel Co., to erect frame structure on Block 133, Couch Addition.

Ordinance No. 32950. Trustees David Campbell Memorial & Medal Fund, to construct monument at intersection of Nineteenth street, Chapman street and Alder street.

Ordinance No. 32969. Grant Smith, Porter Gutherie Co., to use certain streets for shipbuilding plant.

Ordinance No. 32972. Frank Bonty, to construct and maintain trestle on First street.

Ordinance No. 32973. Western Lumber Co., to construct and maintain trestle on Central avenue.

Ordinance No. 33043. Supple & Ballin, to maintain two frame structures on East Water street.

Ordinance No. 33049. O.-W. R. & N. Co., to maintain patent roof on shed at 475 Overton street.

Ordinance No. 33117. L. Wilhelm Estate, to erect one-story building on Third between Washington and Alder streets.

Ordinance No. 33181. Albina Engine & Machine Works, use of street area, Lot 4, Block 82, Albina.

Ordinance No. 33261. School District No. 1, to construct coal bin on sidewalk on Hoyt street.

Ordinance No. 33317. Stephen Meade Estate et al, to install steam conduit in Front street.

Ordinance No. 33334. Coast Ship Building Plant, to use a portion of Grover street.

Ordinance No. 33563. John Kiernan, to construct a temporary frame building on Lot 7, Block 239, Couch Addition.

Ordinance No. 33575. S. P. & S. Ry. Co., to construct certain structures in terminal yard.

Ordinance No. 33636. G. E. Marshall, to pile wood in parking in Lucretia street.

Ordinance No. 33681. Mrs. Eliz McLeon, to use a portion of East Thirty-second street for gardeu purpose.

Ordinance No. 33760. Ben Trenkman, to erect a frame building at Fourth and Flanders streets.

Ordinance No. 33780. Albina Engine & Machine Works, to occupy a portion of certain streets.

Ordinances Nos. 33508 and 33842. O.-W. R. & N. Co. and C. R. Shipbuilding Co., to occupy a portion of Woods street.

Ordinance No. 33843. N. W. Electric Co., to erect a frame storage building at Lincoln and Hood streets.

Ordinance No. 33849. P. R. L. & P. Co., to store wooden fuel near steam plant.

Ordinance No. 33850. Willamette Iron & Steel Co., to close Front street.

Ordinance No. 33883. Portland Liberty Loan Com., to construct frame building in Sixth street.

Ordinance No. 33910. The Smith & Watson Iron Works, to install pipe line in Harrison street.

Ordinance No. 33929. Portland Shipbuilding Co., to use portion of Beaver street.

Ordinance No. 33969. Columbia Steel Co., to use street area to erect a building.

Ordinance No. 33976. Union Meat Co., to install underground conduit in Hoyt street.

Ordinance No. 33993. P. Ry. L. & P. Co., to erect flag pole on Electric Building.

Ordinance No. 34006. Western Structural Steel & Tank Co., to construct frame building.

Ordinance No. 34068. Conway & Coffey, to install boiler at 68 Broadway South.

Ordinance No. 34085. Independent Foundry Co., to erect a one-story frame building on Twenty-third street.

Ordinance No. 34097. Willamette Iron & Steel Co., to construct frame building in Watsons Addition.

Ordinance No. 34105. Albina Engine & Machine Works, to occupy a portion of River street and Loring street.

Ordinance No. 34122. Apostolic Faith Mission, to erect a frame building.

Ordinance No. 34135. Oregon Brass Works, to erect a frame building on Second street near Davis street.

Ordinance No. 34136. Pacific Marine Iron Works, to erect a frame building on East Water street.

Ordinance No. 34137. Stewart Bros. Co., to erect a frame building on Fourteenth street near Quimby street.

Ordinance No. 34138. Union Laundry Co., to pile slabwood in Columbia street.

Ordinance No. 34145. A. C. Alexander & S. G. Dalin, to stretch wire across East Nineteenth street.

Ordinance No. 34187. Willamette Fuel & Supply Co., to occupy a portion of Quimby street.

Ordinance No. 34188. Pacific Marine Iron Works, to use a portion of Belmont street et al.

Ordinance No. 34189. U. S. Shipping Board, to occupy Quimby street.

Ordinance No. 34238. City Iron Works, to construct a frame building on west side of Second street.

Ordinance No. 34239. Columbia Paper Box Co., to construct frame building on Holladay avenue.

Ordinance No. 34240. Supple Ballin Shipbuilding Co., to construct building on East First street and East Oak street.

Ordinance No. 34250. T. Hartt, to pile wood in parking strip on East Thirteenth street.

Ordinance No. 34272. Pacific Life Boat Co., to construct two boat davits at foot of Alder street.

Ordinance No. 34304. James Muckle, to construct a building on East Sixth street.

Ordinance No. 34368. U. S. Shipping Board, to close Front street.

Ordinance No. 34373. Walter Philippi, to maintain concrete walk in alley, Caples Addition.

Ordinance No. 34431. A. C. Ruby, to store wood along curb on Montgomery street.

Ordinance No. 34434. Seventh Day Adventists, to maintain tent on Thirteenth and Morrison streets.

Ordinance No. 34473. The N. W. Galvanizing & Eng. Co., to occupy a portion of Lovejoy street.

Ordinance No. 34474. Pacific Marine Iron Works, to erect a frame building on East Water near East Taylor street.

Ordinance No. 34475. Pacific Marine Iron Works, to erect a frame addition on East Water and East Main streets.

Ordinance No. 34476. Columbia River Shipbuilding Co., to erect frame building at Willamette River and Moody street.

Ordinance No. 34511. School District No. 1, to use certain streets for drill purposes.

Ordinance No. 34517. Universal Nut Lock Co., to construct frame building on Hawthorne avenue near East Water street.

Ordinance No. 34518. Western Structural Steel & Tank Co., to construct frame building on Block 228, Couch's Addition.

Ordinance No. 34519. Pacific Marine Iron Works, to construct frame building on East Madison street.

Ordinance No. 34520. S. P. & S. Ry. Co., to construct open shed across Overton street.

Ordinance No. 34521. Knickerbocker Investment Co., to store wood on curb on Harrison street.

Ordinance No. 34534. Kuntz Mfg. Co., to erect frame building on Twenty-sixth street and Nicolai street.

Ordinance No. 34575. Marshall Wells Co., to erect frame building on Johnson street.

Ordinance No. 34576. Marshall Wells Co., to erect frame shed on Fifteenth street.

Ordinance No. 34577. Portland Cordage Co., to erect frame shed on Marshall street.

Ordinance No. 34599. Western Steel & Tank Co., to construct frame building on Pettygrove street.

Ordinance No. 34604. Pacific Forging & Machine Works, to construct frame building on Thirteenth street.

Ordinance No. 34624. Albina Engine & Machine Works, to construct frame building on Lewis street.

Ordinances Nos. 34625 and 34684. Coast Shipbuilding Co., to occupy a portion of Gibbs street.

Ordinance No. 34626. Columbia River Shipbuilding Co., to occupy portions of Curry and Pennoyer streets.

Ordinance No. 34627. Smith Watson Iron Works, to install pipes in Front street.

Ordinance No. 34629. N. W. Steel Co., to erect frame addition, etc., at foot of Sheridan street.

Ordinance No. 34669. J. F. Williams, to construct frame building on Morrison street.

Ordinance No. 34671. Supple Ballin Shipbuilding Co., to occupy portion of East First street.

Ordinance No. 34672. City Iron Works, to erect frame shed on Second street.

Ordinance No. 34704. Portland Gas & Coke Co., to erect ornamental lamp posts.

Ordinance No. 34763. Willamette Iron & Steel Works, to construct frame building on Front street.

Ordinances Nos. 34773 and 34984. Pacific Marine Iron Works, building on East Water street.

Ordinances Nos. 34774 and 34985. Pacific Marine Iron Works, to construct frame building on East Yamhill street.

Ordinance No. 34822. F. H. Blake, to lay plank roadway in East Grant street.

Ordinance No. 34832. Portland Artificial Ice Co., to occupy portion of Upshur street.

Ordinance No. 34844. W. P. Fuller & Co., to repair one-story frame building.

Ordinances Nos. 34877 and 35153. Columbia River Shipbuilding Co., to use certain street area.

Ordinance No. 36944. Amending Ordinance No. 29481, franchise P. & O. C. Ry. Company.

Ordinance No. 36362. Union Depot Garage Co., to remove two sections of rail fence from Broadway Bridge.

Ordinance No. 36366. St. Johns Lumber Co., to construct overhead gravity conveyor across Bradford street.

Ordinance No. 36460. Central Door & Lumber Co., to occupy a portion of Schiller street.

Ordinance No. 36465. Percy H. Blyth, to construct frame building in Alder street.

Ordinance No. 36508. Jacob Lesser, to use south one-half of Taylor street.

Ordinance No. 36509. E. W. Johnson & F. Johnson, to use north half of Taylor street.

Ordinance No. 36510. W. J. Hoffman, street carnival, Shriners.—Amended by 36967 and 37150.

Ordinance No. 36601. Revoking permit of U. S. Shipping Board to close Front street.

Ordinance No. 36699. Albina Engine and Machine Works, to use Loring street.

Ordinance No. 36703. N. W. Electric Co., to store fuel foot of Lincoln street. Amended by 37582.

Ordinance No. 36743. School District No. 1, to close certain streets.

Ordinance No. 36761. Albina Engine and Machine Works, to maintain building on Lewis street.

Ordinance No. 36764. E. M. Gowanlock, to maintain plank driveway in East Morrison street.

Ordinance No. 36767. E. B. Hamilton, to erect horizontal conveyor at 145 Front street.

Ordinance No. 36840. Imperial Council of the Mystic Shrine, to erect arch of welcome.

Ordinance No. 36866. John Kiernan, to maintain certain frame buildings. See No. 38291.

Ordinance No. 36876. Portland Ry., L. & P. Co., to store fuel.

Ordinance No. 36967. Amending Ord. No. 36510, Shriners' permit.

Ordinance No. 36986. Enke's Dye Works, to construct wooden water tank.

Ordinance No. 36998. Wichita Falls Shrine and H. Harrison, to erect oil derrick.

Ordinance No. 37113. Pacific Tel. & Tel. Co., to erect telephone exchange.

Ordinance No. 37114. Oregon Table Co., to erect elevated stairway and etc. on Loring street.

Ordinance No. 37150. Amending Ord. No. 36510, Shriners' Street Carnival.

Ordinance No. 37156. United Artisans, to operate Foley and Burk Shows.

Ordinance No. 37227. Authorizing issuance of permit for comfort station at Fourth and Yamhill streets.

Ordinance No. 37261. A. H. Kerr, to construct elevated platform on Thirteenth street.

Ordinance No. 37311. W. J. Hofman—Shriners' given control of signs for certain period.

Ordinance No. 37338. N. P. Terminal Co., to maintain building on Lovejoy street.

Ordinance No. 37358. Shriners, to erect grand stand on Lownsdale street.

Ordinance No. 37359. Mystic Shrine, to use Seventeenth street and East Forty-third street to park automobiles.

Ordinance No. 37362. J. R. Harvey, to unload ties on East Water street. See Ord. No. 37632, 37879, 38019.

Ordinance No. 37385. P. R. L. & P. Co., to store wood and fuel.

Ordinance No. 37415. Clarence Oihas, to erect telephone wires in Leavitt et al streets.

Ordinance No. 37416. John A. Roebling Sons & Co. of California, to erect wooden platform on Thirteenth street.

Ordinance No. 37420. Geo. W. Simons, to maintain elevated platform on East Second street.

Ordinance No. 37421. Extending time of Columbia Steel Company to use portion of Ninth street.

Ordinance No. 37428. Pacific Tel. & Tel. Co., to erect temporary telephone pay stations.

Ordinance No. 37480. American Ry. Exp. Co., to construct metal building on Lovejoy street.

Ordinance No. 37481. Multnomah County, to construct hospital and boiler room on Marquam Hill.

Ordinance No. 37554. Miss Mina Burch, to use portion of East Eighteenth street.

Ordinance No. 37556. U. S. Shipping Board, to use portions of Albany et al streets.

Ordinance No. 37582. N. W. Electric Co., to store wood, foot of Lincoln street.

Ordinance No. 37632. Extending permit J. R. Harvey to unload ties.

Ordinance No. 37665. Portland Iron Works, to construct overhead carrier on Thirteenth street near Northrup street.

Ordinance No. 37742. Oregon Transfer Co., to construct wooden platform on Flanders street.

Ordinance No. 37785. H. J. Wilkins, to occupy portion of Sandy Boulevard.

Ordinance No. 37879. J. R. Harvey to unload ties.

Ordinance No. 37926. M. Barde & Sons, to erect awning over sidewalk.

Ordinance No. 37954. National Cold Storage and Ice Co., to unload machinery on East Water street.

Ordinance No. 37991. Western Union Telegraph Co., to construct underground conduit.

Ordinance No. 38005. Independent Paper Stock Co., to move frame building.

Ordinance No. 38019. J. R. Harvey to unload ties on East Water street.

Ordinance No. 38119. Sacred Heart school, to close East Eleventh street.

Ordinance No. 38139. Robert F. Riseling, to construct cement sidewalk on Front street. Amended Ord. 38194.

Ordinance No. 38168. Parker and Banfield, to construct wood platform on Third street.

Ordinance No. 38186. Portland Gas & Coke Co., to lay gas pipe across Sellwood Park.

Ordinance No. 38229. John Vrikorich, to maintain small barn in alley.

Ordinance No. 38268. Crown-Willamette Paper Co., to place telephone line across Benson Park.

Ordinance No. 38291. Extending permit granted to John Kiernan by Ord. 36866.

Ordinance No. 38321. W. R. O'Brien, to occupy portion of Webber avenue as private driveway.

Ordinance No. 38355. J. W. Reynolds, to close Ford Street Drive.

Ordinance No. 38393. Portland Surgical Hospital, to build additional story.

Ordinance No. 38396. School District No. 1, close Kerby street at Thompson school.

Ordinance No. 38701. Johanna C. Rnmmelin, to maintain certain glass windows.

Ordinance No. 38763. E. M. Rasmussen and L. H. Hoffman, for apartment building.

Ordinance No. 38838. U. S. Laundry Co., for shed, etc.

Ordinance No. 38897. C. A. Michaelson and Henry M. Meyer, to lay water main.

Ordinance No. [illegible]. Mrs. E. D. Hobensack, to alter frame apartment house.

Ordinance No. 38922. S. E. Schaffner, for gas-heated steam boiler.

Ordinance No. 39043. Universal Tire Filler Co., to use certain buildings for manufacturing.

Ordinance No. 39049. Sovereign Investment Co., apartment house at Sixth and Madison streets.

Ordinance No. 39054. Y. W. C. A., to keep certain fire doors open.

Ordinance No. 39075. School District No. 1, to close certain streets near Failing school.

Ordinance No. 39083. School District No. 1, to close Spring street in front of Ainsworth school.

Ordinance No. 39178. H. N. Engel, frame building, Sixteenth and Marshall streets.

Ordinance No. 39179. Chas. Hyle, frome dwelling, East Seventy-eighth street.

Ordinance No. 39232. First Christian Church, to construct brick church.

Ordinance No. 39315. Mt. Tabor Methodist Church, construct ramp.

Ordinance No. 39320. Bureau of Parks, to close Main street.

Ordinance No. 39445. First Church of the Nazarene. to maintain frame church.

Ordinance No. 39460. W. E. Peters, to construct frame building, 1531 East Thirty-second street.

Ordinance No. 39469. Heilig Theatre, to maintain electric lights on Broadway.

Ordinance No. 39511. Columbia Digger Co., to drive piles at foot of Ankeny street.

Ordinance No. 39527. Northwestern Metalware Co., one-story frame building.

Ordinance No. 39592. School District No. 1, to erect frame building.

Ordinance No. 39669. R. J. Bush, for one-story service station.

Ordinance No. 39739. School District No. 1, to erect school building on Central avenue.

Ordinance No. 39918. School District No. 1, to close East Fifty-seventh street et al.

Ordinance No. 39995. F. E. Bowman & Co., to erect four-family flat.

Ordinance No. 40050. Mutual Lumber Co., to unload wood on East Third street.

Ordinance No. 40120. E. Ranbo, to maintain frame building in Albany street.

Ordinance No. 40144. O. W. R. & N. Co., to construct addition to building at Ninth and Hoyt streets.

Ordinance No. 40156. C. L. Crosby, to erect a one-story frame building at Forty-third street and Fifty-sixth avenue S. E.

Ordinance No. 40166. Mrs. C. W. G. Hyde, to maintain a one-story frame dwelling at 655 Fremont street.

Ordinance No. 40180. Sunnyside Lodge of A. F. & A. M., to erect brick building.

Ordinance No. 40264. U. S. Public Health Service, to alter frame building at 335 Multnomah street.

Ordinance No. 40285. School District No. 1, to erect a two-story addition, East Fifty-seventh street, near Sacramento street.

Ordinance No. 40297. Peters Construction Co., to erect frame building at 611 Hawthorne avenue.

Ordinance No. 40320. Shope Brick Co., to erect frame addition to building on East Eighth street.

Ordinance No. 40367. W. H. Heacock, to maintain planing mill at Sixty-first and Division streets.

Ordinance No. 40368. Closing portions of Morrison street and Stout street temporarily.

Ordinance No. 40518. Linnton Transit Company, to repair building in Linnton.

Ordinance No. 40520. Standard Oil Company, to construct ramps at Sixth and Taylor streets.

Ordinance No. 40560. Auto Stage Terminal Association, to construct ramps on Yamhill street near Park street.

Ordinance No. 40569. John Kiernan, to maintain frame building.

Ordinance No. 40577. LeDoux & LeDoux, to occupy warehouse at Thirteenth and Raleigh streets.

Ordinance No. 40587. W. A. Carpenter, to erect frame building at 450 Weidler street.

Ordinance No. 40588. Gardners' and Ranchers' Association, to occupy East Main and East Third street.

Ordinance No. 40633. Multnomah Lumber Company, to erect storage shed at East Main street.

Ordinance No. 40634. Grace M. Page, move building on lot 6, block 162, Portland.

Ordinance No. 40649. J. C. Nelson, to install sewer branch.

Ordinance No. 40675. L. H. Hoffman, to maintain frame apartment.

Ordinance No. 40695. Chester A. Shepperd, to erect apartment house and garage at Third and Montgomery streets.

Ordinance No. 40702. Columbia Tire Company, to construct sewer in Arlington Place.

Ordinance No. 40704. McCarthy Estate, to construct cesspool in alley.

Ordinance No. 40713. E. Louis MacFarlane, to occupy street area.

Ordinance No. 40728. Mrs. C. A. Wells, to occupy street area.

Ordinance No. 40736. Benevolent & Protective Order of Elks, to construct private sewer.

Ordinance No. 40769. Bissinger & Company, to erect warehouse in Grand avenue.

Ordiance No. 40791. Charles Catta, to erect an apartment house, 160 East Twentieth street.

Ordinance No. 40792. Hallock & Watson, radio service, erect radio-plane station.

Ordinance No. 40854. Sovereign Hotel Company, to erect hotel.

Ordinance No. 40865. Elks Lodge, to erect building Eleventh street near Alder.

Ordinance No. 40888. H. B. Davis, to erect frame building on Water street.

Ordinance No. 40893. Sisters of the Precious Blood, to erect dormitory.

Ordinance No. 40912. Bureau of Parks, to use portion of Milwaukie street.

Ordinance No. 40921. Standard Box & Lumber company, to use portions of East Pine street, et al.

Ordinance No. 40932. J. I. Robinson, to maintain greenhouse in Pardee street.

Ordinance No. 40964. W. Gelinsky, to erect overhead conveyor.

Ordinance No. 40984. Manor Investment Company, to erect apartment building.

Ordinance No. 40988. Benevolent Order of Elks, to use portions of Clay street, et al.

Ordinance No. 41005. H. A. Hyde Company, to spot freight cars on East Water street.

Ordinance No. 41007. Pulbic Service Commission of Oregon, to erect building.

Ordinance No. 41021. O. W. Tarr, to erect frame apartment building.

Ordinance No. 41129. United Meat Company, to construct 12-inch sewer.

Ordinance No. 41131. J. N. Barde, to erect building at Eleventh and Washington streets.

Ordinance No. 41155. Therkelsen Investment Company, to erect building at Park and Alder streets.

Ordinance No. 41188. Living apartment in garage, East Thirty-seventh and East Caruthers streets.

Ordinance No. 41211. R. L. Zeller, to erect frame apartment at 461 East Burnside street.

Ordinance No. 41297. Linnton Transit Company, to use building.

Ordinance No. 41397. Apartment Investment Company, to erect apartment building.

Ordinance No. 41427. John Noon, to alter frame building.

Ordinance No. 41428. Peters Contracting Company, to maintain apartment building.

Ordinance No. 41429. Honeyman Hardware Company, to maintain a frame addition.

Ordinance No. 41430. The Acme Cement Plaster Company, to construct loading platform.

Ordinance No. 41443. W. B. Holden, to erect frame dwelling.

Ordinance No. 41448. J. C. Bayer, to erect frame shed

Ordinance No. 41468. J. N. Barde, to erect steel frame tower.

Ordinance No. 41503. Edward Klust, to erect Marquise at East Twenty-sixth street and Clinton street.

Ordinance No. 41518. Gardners' and Ranchers' Association, to erect loading platform.

Ordinance No. 41536. W. A. Bushong, to erect steel marquise at 287 Alder street.

Ordinance No. 41569. Meier & Frank Company, to construct concrete platform in Fifteenth street.

Ordinance No. 41570. Meier & Frank Company, to construct Marquise in Irving street.

Ordinance No. 41588. J. K. Gill Company, to construct concrete building.

Ordinance No. 41594. F. M. Stokes, to alter building.

Ordinance No. 41622. Odd Fellows Building Association, to erect building.

Ordinance No. 41624. Howard-Cooper Corporation, to erect warehouse.

Ordinance No. 41629. Lombard Lumber Company, to erect frame building.

Ordinance No. 41639. F. E. Farrill, to erect frame residence.

Ordinance No. 41651. Northern Pacific Terminal Company, to erect buildings.

Ordinance No. 41658. Mrs. M. B. McFaul, to maintain frame building at East Twelfth and East Alder streets.

Ordinance No. 41659. William H. Lee, to alter frame building.

Ordinance No. 41660. William Isensee, to erect addition to apartment building.

Ordinance No. 41661. Thomas Greenley, to alter residence at 426 Oregon street.

Ordinance No. 41662. E. H. Ingham to alter building on Albina avenue.

Ordinance No. 41663. Emma Boyd, to erect apartment building on Dupont street.

Ordinance No. 41671. Homer Harrold, to erect fences across Berkley Way.

Ordinance No. 41690. H. B. Moore, to rebuild hotel at Eleventh and Yamhill streets.

Ordinance No. 41706. J. R. Creighton, to maintain apartment building 549 Ladd avenue.

Ordinance No. 41707. Elizabeth French, to maintain apartment building, 195 Grand avenue.

Ordinance No. 41708. Peters Construction Company, to erect apartment building on Tenth street.

Ordinance No. 41741. W. P. Hoffman, to erect apartment building on East Fourteenth and Hancock.

Ordinance No. 41755. Portland Gas & Coke Company, to erect building on Linnton Road.

Ordinance No. 41774. Northern Pacific Terminal Company, to erect frame platform on Front street.

Ordinance No. 41797. Oregonian Publishing Company, to erect balcony, Sixth and Alder streets.

Ordinance No. 41851. Harkins Transportation Company, to repair driveways on Alder street.

Ordinance No. 41858. Economy Fuel & Builders Supply Company, to occupy portions of East Pine street, et al.

Ordinance No. 41859. Portland Hotel Company, to alter building at Sixth and Yamhill streets.

Ordinance No. 41909. Delia Kane, to maintain buildings in Lombard street.

Ordinance No. 41910. Jason C. Moore, to construct apartment house.

Ordinance No. 41912. H. A. Gordon, to remodel hotel at Eleventh and Yamhill streets.

Ordinance No. 41925. John J. Roberts, to occupy a portion of E street.

Ordinance No. 41959. Portland Iron Works, to construct a shed.

Ordinance No. 41960. W. K. Royal, to erect a residence.

Ordinance No. 41961. School District No. 1, to maintain range toilets.

Ordinance No. 41987. Western Cooperage Company, to erect a planer shed.

Ordinance No. 45606. Fred Buchtel, construct rock covered slope, lot 7, block 58, Alameda Park.

Ordinance No. 45615. C. Helske, used city's driveway.

Ordinance No. 45624. Steel Tank & Pipe Co., erect shop, Twenty-eighth and Nicolai.

Ordinance No. 45703. Crystal Ice & Storage Co., lay steel pipe line, East Main street.

Ordinance No. 45723. George Waite, complete frame building.

Ordinance No. 45732. G. A. Olson, construct multiple dwelling, East Eleventh and Alder streets.

Ordinance No. 45733. F. Manson White, erect frame building as apartments, Fourteenth and Mill streets.

Ordinance No. 45734. C. J. Schniedescampt, erect apartment and store on Sandy boulevard.

Ordinance No. 45744. F. A. Legge, multiple dwelling, Williams avenue.

Ordinance No. 45745. Thomas Buckles, alter dwelling, Fessenden street.

Ordinance No. 45746. William Isansee, multiple dwelling, Irving street.

Ordinance No. 45756. J. Schniedescamp, apartment building, Sandy boulevard.

Ordinance No. 45760. L. O. O. M., erect lodge halls, Taylor street.

Ordinance No. 37112. Jack Littell, to erect dwelling.

Ordinance No. 47482. E. C. Dunning, construct three-story building, No. 3 North Broadway.

Ordinance No. 39908. Jewish Shelter Home, construct temporary frame building.

Ordinance No. 41118. Daddies Club, conduct motorcycle races.

Ordinance No. 41547. Joseph Paquet, move frame building.

Ordinance No. 41997. M. Weiner, erect residence.

Ordinance No. 41998. I. O. O. F., erect dormitory.

Ordinance No. 41999. Oscar Hendrickson, erect apartment building.

Ordinance No. 42000. Robert Mankert, install apartment in basement.

Ordinance No. 42002. M. Helgestad, install sinks, Ohio Hotel.

Ordinance No. 42003. Charles H. Fox, erect apartment building.

Ordinance No. 42039. Oregonian Publishing Co., erect additional story, Oregonian Building.

Ordinance No. 42052. Laurelhurst Co., use circular block in Laurelhurst.

Ordinance No. 42060. Champion Manufacturing Co., erect frame building.

Ordinance No. 42061. Jones Lumber Co., install overhead steam pipe.

Ordinance No. 42096. F. M. Hanebut, alter apartment house, Chapman and Main.

Ordinance No. 42156. Service Transfer & Storage Co., operate stage depot.

Ordinance No. 42158. W. H. Ross, maintain frame apartment building.

Ordinance No. 42180. M. Pallay, erect addition, Cordova Hotel.
Ordinance No. 42208. Nicolai Door Co., erect frame factory.
Ordinance No. 42209. Elks Lodge, erect six-story building.
Ordinance No. 42210. Fred M. Foster, construct cesspool.
Ordinance No. 42220. F. D. and Leona Labbee, maintain building in street.
Ordinance No. 42221. Nicolai-Neppach Co., replace frame dry kiln.
Ordinance No. 42251. J. P. Rasmussen & Co., maintain paint factory.
Ordinance No. 42330. A. S. Ellis, maintain apartments, Lounsdale street.
Ordinance No. 42350. H. L. Colvin, alter warehouse, Fourth and Glisan streets.
Ordinance No. 42352. F. M. Stokes, erect apartment building, Broadway and Mill streets.
Ordinance No. 42353. William Miller, maintain store and residence, East Glisan street.
Ordinance No. 42354. L. H. Hoffman, erect frame apartments, Lovejoy street.
Ordinance No. 42374. Sheppard Investment Co., maintain apartment house.
Ordinance No. 42375. Doernbecher Manufacturing Co., construct addition to factory.
Ordinance No. 42395. R. B. Brandon, maintain frame residence.
Ordinance No. 42419. Chas. W. Ertz and Cord Sengstake, erect building.
Ordinance No. 42429. T. C. Ahern, maintain frame building.
Ordinance No. 42431. Hislop Estate, construct wooden platform, Union avenue.
Ordinance No. 42438. Carlos S. Una, construct apartment building, Northrup street.
Ordinance No. 42439. Nache-Tevas, erect frame store building, East Twenty-sixth and Alberta streets.
Ordinance No. 42472. Oregon State Board of Control, erect school for blind.
Ordinance No. 42492. Universal Film Exchange, Inc., rearrange exits, Columbia Theatre.
Ordinance No. 42527. Oscar Hendrickson, maintain apartment building.
Ordinance No. 42550. Frank Cunningham, erect apartment building.
Ordinance No. 42564. Columbia Plaster Wall Board Co., erect frame building.
Ordinance No. 42578. L. F. Lundberg, alter frame building.
Ordinance No. 42579. Mrs. J. S. Greenlay, maintain apartment house.
Ordinance No. 42580. Joseph Byrne, maintain apartment building.
Ordinance No. 42581. Portland Artificial Ice Co., construct loading platform.
Ordinance No. 42653. Mrs. Emma C. Strout, maintain one-story frame apartment house.
Ordinance No. 42654. Mason Ehrman & Co., erect addition to warehouse.
Ordinance No. 42655. Mrs. S. F. Bliss, erect frame apartment.

Ordinance No. 42669. Bacon Estate, construct loading platform.
Ordinance No. 42687. H. R. Hadfield, erect concrete residence.
Ordinance No. 42720. G. T. Woodlaw, repairs to Woodlaw Theatre.
Ordinance No. 42721. David H. Hodgson, rebuild frame residence on Foster road.
Ordinance No. 42759. Isabelle M. Newton, erect apartment building.
Ordinance No. 42760. Sarah M. Jennings, maintain frame residence.
Ordinance No. 42764. H. N. Burpee, maintain frame building.
Ordinance No. 42800. H. V. Carpenter and C. A. Hart, construct tennis court.
Ordinance No. 42802. Herbert Gordon, erect apartment building.
Ordinance No. 42803. D. Leibrich, erect apartment building.
Ordinance No. 42804. Condor Investment Co., alter motion picture theatre building.
Ordinance No. 42833. E. M. Sanders, erect apartment building.
Ordinance No. 42834. J. E. Moore, erect apartment building.
Ordinance No. 42835. F. B. Turner, maintain apartment building.
Ordinance No. 42846. The Stark Street Investment Co., maintain apartment building.
Ordinance No. 42847. Oscar Hendrickson, maintain apartment building.
Ordinance No. 42850. Amelia Dubinsky, maintain two-family residence.
Ordinance No. 42897. Mrs. Carl Magnuson, maintain frame residence.
Ordinance No. 42898. Portland Railway, Light & Power Co., construct tunnel.
Ordinance No. 42936. Arlington Club, erect lamp post.
Ordinance No. 42956. A. Diller, erect residence.
Ordinance No. 42957. Peter Livingston, erect building.
Ordinance No. 43001. Herbert Gordon, erect apartment building.
Ordinance No. 43030. Portland Rose Festival Association, display fireworks.
Ordinance No. 43049. Portland Rose Festival Association, erect grandstand.
Ordinance No. 43055. Lee Thomas, erect theatre building.
Ordinance No. 43144. D. Liebrisch, two-story, class VI, apartment building at Sixth and Harrison streets.
Ordinance No. 43148. Mary Alsleben, erect building, 167 East Forty-fourth street.
Ordinance No. 43152. Doric Masonic Building Association, erect building.
Ordinance No. 43185. Granting permission to display fireworks.
Ordinance No. 43203. Free Methodist Church, erect temporary building.
Ordinance No. 43233. Berry Growers, permission to sell on public market.
Ordinance No. 43260. Dr. A. Grone, alter building, 442 East Harrison street.
Ordinance No. 43286. David N. Pallay, erect building, Twentieth and Flanders streets.

Ordinance No. 43301. Star Drilling Machine Co., erect two-story building.

Ordinance No. 43304. Interstate Terminal Building Co., exempt from building code.

Ordinance No. 43331. Viola Lawless, construct cesspool in street.

Ordinance No. 43337. J. P. Parker, erect apartment building on Eighteenth street.

Ordinance No. 43338. Commodore Investment Co., erect apartment on Twentieth street.

Ordinance No. 43375. Peters Construction Co., three-story, Class VI, apartment building.

Ordinance No. 43376. M. H. Newman, maintain metal merry-go-round.

Ordinance No. 43377. J. C. Marks, maintain Class VI paint shop.

Ordinance No. 43378. Nellie Washburn, maintain two-story apartment building.

Ordinance No. 43456. James D. Hart, use portion of Alder street, underground.

Ordinance No. 43489. Fannie O. Rood, maintain apartments, 368 Broadway.

Ordinance No. 43490. C. S. Miller, maintain frame building, 224 East Twenty-fifth street.

Ordinance No. 43491. A. Hackerson, maintain one-story frame dwelling.

Ordinance No. 43519. M. Nace, erect store building, 301 South Jersey street.

Ordinance No. 43542. Doric Masonic Building Association, erect lamp posts, Leavitt street.

Ordinance No. 43584. H. F. and W. E. Clausson, erect apartment building.

Ordinance No. 43585. Emmet T. Rogers, erect frame residence.

Ordinance No. 43634. Lucy A. Eaton, alter apartment building, 45 East Sixteenth street.

Ordinance No. 43635. Mrs. L. W. Therkelsen, alter building, 329 Eleventh street.

Ordinance No. 43636. Merges Investment Co., alter apartment building, 310 Benton street.

Ordinance No. 43643. Helen M. McChesney, install pillar and globe light on Arlington Heights.

Ordinance No. 43667. Port of Portland, do blasting in Willamette river.

Ordinance No. 43668. Kastancia Dawgiallo, use portion of Dover street.

Ordinance No. 43750. Shaver Transportation Co., use portion of Flanders street.

Ordinance No. 43785. F. F. Reiner, erect frame dwelling.

Ordinance No. 43786. School District No. 1, close East Forty-eighth street.

Ordinance No. 43787. Foster & Kleiser, maintain fence across East Sixth street.

Ordinance No. 43788. Rasmussen & Co., erect frame building, Irving street.

Ordinance No. 43849. L. H. Hoffman, erect frame apartment building.

Ordinance No. 43885. O. Hendrickson and F. B. Turner, erect apartment building.

Ordinance No. 43913. J. Anna Kraenick, alter frame dwelling.

Ordinance No. 43941. Crystal Ice & Storage Co., construct steam line, East Salmon street.

Ordinance No. 43990. Justus Wistrand, alter frame dwelling, 941 East Irving street.

Ordinance No. 44024. H. F. Claussen, et al, maintain apartment building at 600 East Madison street.

Ordinance No. 44059. L. H. Hoffman, erect apartment building at Twentieth and Hoyt streets.

Ordinance No. 44060. Amanda West, erect apartments, 786 Montana avenue.

Ordinance No. 44061. H. F. Ong, complete apartments at East Thirty-fifth and Morrison streets.

Ordinance No. 44141. Clifford H. Moore, erect frame apartment building.

Ordinance No. 44154. W. M. Heacock, erect planing mill on Broadway.

Ordinance No. 44169. Truson Steel Co., erect warehouse.

Ordinance No. 44197. Page & Son, use portion of Washington street.

Ordinance No. 44226. Eugenia and Marie Pierrard, alter apartment building.

Ordinance No. 44227. Robert Beat, maintain frame building.

Ordinance No. 44264. School District No. 1, close portions of Hall street, et al.

Ordinance No. 44290. E. M. Rasmussen, erect ten frame apartment buildings.

Ordinance No. 44318. Johnson & Jonson, erect frame dwelling, 130 West Webster street.

Ordinance No. 44348. H. Gordon, erect two-story frame apartment building.

Ordinance No. 44374. First Church of the Nazarene, occupy frame church.

Ordinance No. 44376. Frank E. Hilton, maintain building in street area.

Ordinance No. 44402. Rodney Avenue Christian Church, erect frame church.

Ordinance No. 44428. William Friberg, maintain apartment building.

Ordinance No. 44429. F. E. Bowman, maintain duplex building.

Ordinance No. 44430. R. B. Hammond, erect frame dwelling.

Ordinance No. 44456. Auto Freight Terminal Co., construct freight terminal.

Ordinance No. 44466. J. G. Mann, erect duplex dwellings.

Ordinance No. 44467. School District No. 1, close portion of Twenty-sixth street.

Ordinance No. 44508. William McRae, erect apartment building at 549 East Fifty-sixth street, North.

Ordinance No. 44509. Mary Conley, erect frame dwelling, 472 East Twenty-fourth street.

Ordinance No. 44533. O. B. Stubbs, erect frame shed on Sixth street.

Ordinance No. 44581. J. T. Dahlgren, alter two-family dwelling.

Ordinance No. 44605. John Matschiner, erect apartment building at 434 East Broadway.

Ordinance No. 44606. Mrs. Alice Stevens, alter dwelling, 703 Glisan street.

Ordinance No. 44627. J. O. Bartey, use strip of land for landscape purposes.

Ordinance No. 44629. W. W. Smith, construct frame shed.

Ordinance No. 44682. Sidney Raxworthy, alter frame dwelling.

Ordinance No. 44721. Willys-Overland Pacific Co., maintain office building on Grand avenue.

Ordinance No. 44735. Eastern & Western Lumber Co., maintain frame shed.

Ordinance No. 44744. A. L. Schaefer, alter frame dwelling, 13 West Prescott.

Ordinance No. 44745. Mrs. J. A. Hix, alter frame dwelling, 222 East Fifteenth street.

Ordinance No. 44746. Thomas Verdenius, alter apartment building.

Ordinance No. 44747. Beck Investment Co., install sprinkler system.

Ordinance No. 44821. J. O. Bailey, use triangular strip of land.

Ordinance No. 44839½. Lewis Investment Co., erect building, 68 Fourth street.

Ordinance No. 44855. John C. Osborn, erect apartment building on Hawthorne avenue.

Ordinance No. 44856. Mary K. Hill, erect apartments on Schuyler street.

Ordinance No. 44944. Guy L. Wallace, erect frame dwelling on Montgomery drive.

Ordinance No. 44944½. Mrs. H. E. Poppleton, erect apartment building, 247 Fifth street.

Ordinance No. 44945. Geo. H. Elkerton, erect two frame dwellings.

Ordinance No. 44977. William Harris, erect one-story dwelling.

Ordinance No. 45000. Rose Festival Association, to sell paraphernalia.

Ordinance No. 45001. Western Fuel Co., to move building.

Ordinance No. 45038. School District No. 1, portable school building on East Sixth street.

Ordinance No. 45071. H. A. Heppner, erect store and apartment building.

Ordinance No. 45072. Royal & Schmeideskamp, construct apartment, 1841 Sandy boulevard.

Ordinance No. 45073. Carl Seigle, erect apartments, 789 East Irving street.

Ordinance No. 45074. P. G. Strauss, alter certain buildings.

Ordinance No. 45075. A. J. Williamson, construct cesspool.

Ordinance No. 45182. J. F. Mauer, maintain dwelling, 195 West Emerson.

Ordinance No. 45183. F. D. Weber, erect apartments, 52-4 North Fifty-first street.

Ordinance No. 45215. H. Gordon, maintain apartment building, 465 Clay street.

Ordinance No. 45216. Herbert Gordon, erect apartments, 385 Flint street.

Ordinance No. 45269. C. E. Beeman, maintain apartments, 230 Grand avenue, North.

Ordinance No. 45333. Mrs. P. Lorati, maintain apartments and garage, 361-7 Third street.

Ordinance No. 45324. O. Hendrickson, erect apartments, Twenty-second street between Hoyt and Glisan.

Ordinance No. 45327. Y. W. C. A., construct partitions across corridor, Sixth and Yamhill.

Ordinance No. 45328. Isaac Staples, maintain sleeping room in garage.

Ordinance No. 45353. Nicholai-Neppach Co., maintain frame shed on Davis street, between First and Second.

Ordinance No. 45369. Stanley Bishopric, maintain multiple dwelling, 677 East Ankeny.

Ordinance No. 45393. W. D. McWaters, maintain two-story dwelling, 304 Albemarle Terrace.

Ordinance No. 45398. J. C. Mohr, alter two-story dwelling and garage, Ninety-first street, South East.

Ordinance No. 45401. LeRoy Steward, alter two-story, two-family dwelling.

Ordinance No. 45403. Mrs. C. L. Harrison, maintain additional room in apartments at 740 Hancock street.

Ordinance No. 45981. Shell Oil Company of California, maintain septic tank, Culebra street.

Ordinance No. 46008. George Sylvester, maintain cesspool in Burrage street.

Ordinance No. 46009. School District No. 1, erect three-story building, Division and Fifty-fifth streets, South East.

Ordinance No. 46010. Pacific Fruit & Produce Co., drill well, East Second and Washington streets.

Ordinance No. 46011. Cook & Gill, erect 10x14 building, Park and Burnside streets.

Ordinance No. 46012. Peter Van Hoomissen, erect one and one-half story building, 857 Division street.

Ordinance No. 46041. Portland Gas & Coke Co., maintain lamp posts on Twenty-third street.

Ordinance No. 46046. Jessie G. Sill, erect residence, 998 Upshur street.

Ordinance No. 46070. J. H. Chaney, erect and maintain dwelling, 1529 Vincent avenue.

Ordinance No. 46071. Martha L. Moore, erect and maintain dwelling, East Thirty-first and Hassalo streets.

Ordinance No. 46072. M. D. Hawes, erect multiple dwelling, East Twentieth between Hoyt and Irving streets.

Ordinance No. 46073. Anne Lucas, erect multiple dwelling, 714 Glisan street.

Ordinance No. 46117. Herschel P. Nunn, erect dwelling, 233 Kingston avenue.

Ordinance No. 46120. Congress Hotel, erect hotel, 228 Sixth street.

Ordinance No. 46151. Louis Sedgast, multiple dwelling, Fourteenth and Weidler streets.

Ordinance No. 46155. William Isensee, erect three-story dwelling, Irving street between Twenty-third and Twenty-fourth.

Ordinance No. 46161. Economy Fuel & Supply Co., use east one-half of East Water street.

Ordinance No. 46190. Egyptian Theatre, to be temporarily used for vaudeville.

Ordinance No. 46206. Ray Yott, construct cesspool, 869 Sandy boulevard.

Ordinance No. 46207. Y. M. C. A., erect five-story building, Sixth and Yamhill streets.

Ordinance No. 46231. H. L. Anderson, alter dwelling, 86 Court, S. E.

Ordinance No. 46236. Parkholen Investment Co., maintain cesspool, block 3, Portmouth avenue.

Ordinance No. 46261. John H. Grant, erect apartments, 575 Hancock street.

Ordinance No. 46262. L. M. Anderson, office and apartment building, 1013 Belmont street.

Ordinance No. 46274. C. W. Trudgeon, erect dwelling, 784 Old Orchard road.

Ordinance No. 46239. L. K. Schwartz, construct cesspool, East Sixty-seventh street.

Ordinance No. 46296. F. M. White, construct apartments, 49 Mill street.

Ordinance No. 46297. Clara Schuman, erect dwelling, 641 Rhone street.

Ordinance No. 46298. O. W. Iarr, erect frame apartments, East Main street.

Ordinance No. 46311. Masonic Temple, erect lodge building, West Park and Madison streets.

Ordinance No. 46340. L. M. Anderson, maintain office and apartment, 1013 Belmont street.

Ordinance No. 46344. J. R. Blows, maintain dwelling, 1067 Division street.

Ordinance No. 46353. Mishkind & Co., maintain apartments, 232 North Twentieth street.

Ordinance No. 46356. J. A. Peters, maintain apartments, 425 Eleventh street.

Ordinance No. 46357. Hurley Mason & Co., hotel, 447 Morrison street.

Ordinance No. 46358. Loraine Hotel Co., erect hotel, Alder, tebween Thirteenth and Fourteenth streets.

Ordinance No. 46381. Commercial Building Co., office building, Washington, between Second and Third streets.

Ordinance No. 46393. L. N. Hoffman, erect apartments, 622 Irving street.

Ordinance No. 46419. Women's Union, addition to hotel, 380 Tenth street.

Ordinance No. 46437. W. A. Carpenter, maintain apartment building, 331 East Eighth street, North.

Ordinance No. 46439. E. M. Rasmussen, maintain apartment building, 816 East Glisan street.

Ordinance No. 46450. E. H. Lathrop, maintain apartment building, 414 North Twenty-ninth street.

Ordinance No. 46451. O. Hendrickson, maintain apartment building, 747 Johnson street.

Ordinance No. 46482. Frank Patello, erect store and apartments, Linnton, Oregon.

Ordinance No. 46483. Portland Gospel Tabernacle, frame church, 1383 East Thirteenth street, North.

Ordinance No. 46529. Mrs. E. L. Luedtke, store and apartment building, 1855 Sandy boulevard.

Ordinance No. 46552. H. A. Stewart, office building, 684 Taylor street.

Ordinance No. 46564. Portland Motor Car Co., office building, Couch street, near Eighth street.

Ordinance No. 46565. Dr. L. L. Dubois, maintain apartments, 535 Yamhill street.

Ordinance No. 46566. Sutton & Whitney, erect hospital, 212 Stanton street.

Ordinance No. 46568. Lloyd F. Carter, frame residence, East Burnside at Twenty-fourth street.

Ordinance No. 46570. A. G. Hawkins, frame dwelling, 800 Belmont street.

Ordinance No. 46571. I. A. Peters, apartment building, 644 Weidler street.

Ordinance No. 46572. J. R. Blows, frame dwelling, 1067 Division street.

Ordinance No. 46597. W. O. W. No. 77, move frame building, block 140 to block 163, East Portland.

Ordinance No. 46621. H. G. Lewis, construct cesspool, East Pine street.

Ordinance No. 46622. W. W. Lucius, maintain apartments, 228 North Twenty-second street.

Ordinance No. 46658. Yamhill Holding Co., erect hotel building, Twelfth and Yamhill streets.

Ordinance No. 46673. A. J. Brugger, two-story dwelling, 619 Elliott avenue.

Ordinance No. 46677. School District No. 1, school building, Ladds Addition.

Ordinance No. 46678. School District No. 1, school building, Vans Addition.

Ordinance No. 46682. G. E. Heathman, hotel building, Park and Salmon.

Ordinance No. 46705. J. Solomon, erect apartments, 520 First street.

Ordinance No. 46706. Grand Rapids Show Case Co., class VI building, East Twenty-second street.

Ordinance No. 46728. M. F. Woods, erect totem pole, Twelfth street, between Washington and Stark streets.

Ordinance No. 46731. Carrie Anderson, frame residence, 808 Mississippi avenue.

Ordinance No. 46732. Fred King, apartment building, 692 Flanders street.

Ordinance No. 46733. A. M. Harodyn, maintain apartments, 695 Johnson street.

Ordinance No. 46734. School District No. 1, school building, Interstate and Montana avenue.

Ordinance No. 46767. Economy Fuel Co., erect office, East Water street.

Ordinance No. 46771. B. P. O. E. No. 142, sell emblems, etc., July 12 to 18, inclusive.

Ordinance No. 46796. I. A. Peters, maintain apartments, 177 Vista avenue.

Ordinance No. 46801. St. Vincents Hospital, erect addition to hospital.

Ordinance No. 46842. American Legion Auxiliary, sell poppies, May 28 and 29, 1925.

Ordinance No. 46868. Lincoln Realty Co., erect hotel building, Eleventh street, near Main street.

Ordinance No. 46886. Copeland Investment Co., erect and maintain apartments, 460 Taylor street.

Ordinance No. 46887. J. A. Zeller, maintain frame apartments, 641 East Burnside street.

Ordinance No. 46888. E. A. Marshall, erect frame dwelling, 828 Johnson street.

Ordinance No. 46892. School District No. 1, erect school building, Laurelhurst school.

Ordinance No. 46894. School District No. 1, erect school building, Umatilla avenue.

Ordinance No. 46925. Columbia Awning & Supply Co., erect three demonstration buildings.

Ordinance No. 46926. Eighth Church of Christ Scientist, church building, Laurelhurst.

Ordinance No. 46967. Lincoln Realty Co., erect hotel, 240 Eleventh street.

Ordinance No. 46977. Rev. W. E. Anderson, erect building, Eighty-second street South East.

Ordinance No. 46986. Ames Harris Neville Co., erect metal covered shed, North Fifteenth street.

Ordinance No. 47035. Jeffrey Investment Co., erect apartments, 631 Taylor street.

Ordinance No. 47036. Dr. I. M. Joyce, two-story dwelling, 1097 Cumberland road.

Ordinance No. 47093. Rose Festival Association, sell balloons, etc., on city streets.

Ordinance No. 47110. R. S. Stearns, erect frame dwelling, 1324 East Twenty-ninth street.

Ordinance No. 47112. W. C. Newell, landscape portion of Westwood avenue.

Ordinance No. 47141. Louis Segest, erect frame building, 615 Schuyler street.

Ordinance No. 47166. Francesca Bliss, erect apartments, 164 East Sixth street.

Ordinance No. 47167. Associated Hotel Co., erect hotel, 355 Salmon street.

Ordinance No. 47168. John P. Nelson, maintain apartments, 161 Randall street.

Ordinance No. 47169. Charles S. Cohn, alter dwelling, 1094 Westover road.

Ordinance No. 47170. Carl Kuhn, maintain dwelling, 7011 Harold avenue.

Ordinance No. 47195. O. O. Johnson, frame residence, Congress street.

Ordinance No. 47203. Portland Gas & Coke Co., lay gas main, between East Twenty-sixth and East Twenty-eighth streets.

Ordinance No. 47206. Ira F. Powers Furniture Co., occupy portion of Second street.

Ordinance No. 47207. A. Sweeney, erect frame dwelling.

Ordinance No. 47208. John Finer, erect frame dwelling.

Ordinance No. 47213. Church on lot 2 and 3, block 6, Chestnut Hill Addition.

Ordinance No. 47209. R. J. Honeyman, erect frame dwelling.

Ordinance No. 47258. A. E. Peters, alter frame apartment building, 327 East Eleventh street, North.

Ordinance No. 47286. Portland Gospel Tabernacle, temporary frame church.

Ordinance No. 47302. E. H. Hasner, maintain apartments, 101 East Eighteenth street.

Ordinance No. 47303. James Cunningham, store and residence, Yukon street.

Ordinance No. 47304. Kenneth McKenzie, two-story dwelling, 262 Melinda avenue.

Ordinance No. 47305. O. Hendrickson, class VI apartment building, Flanders street.

Ordinance No. 47340. Dean Vincent, erect apartment building 1384 The Alameda.

Ordinance No. 47336. World War Veterans, hold parade.

Ordinance No. 47370. Albert E. Berni, maintain apartments, Twelfth street.

Ordinance No. 47458. I. M. Bohnsen, five frame dwellings, 522 Vista avenue.

Ordinance No. 47459. A. A. Hunt, frame residence, East Thirty-fifth street, between East Stark and East Oak street.

Ordinance No. 47460. J. R. Bymhold, store and apartment building, 581 Martins avenue.

Ordinance No. 47461. J. H. McGath, maintain janitor's apartment, 1191 Milwaukie street.

Ordinance No. 47462. J. P. Parker and L. D. Pain, erect apartment building.

Ordinance No. 47463. A. J. Raymond, apartment building, Weidler street, between East Twenty-second and East Twenty-fourth streets.

Ordinance No. 47483. Rev. B. Re, maintain church, block 6, Ladd Addition.

Ordinance No. 47486. T. J. Harrison, frame dwelling, 1673 Weidler street.

Ordinance No. 47479. H. E. Corbett Estate, eleven-story building, Yamhill street, between Fifth and Sixth streets.

Ordinance No. 47504. Columbia Securities Co., apartment building, Wayne street.

Ordinance No. 47547. Rose City Park Library Association, erect building, Hancock street.

Ordinance No. 47549. Leavens & Howard, Inc., tire service station, 329 Couch street.

Ordinance No. 47550. Ivan Humason, erect apartments, Twentieth street, near Everett.

Ordinance No. 47566. Hugh I. Smith, erect residence, 1113 Savier street.

Ordinance No. 47573. J. L. Carter, sink, toilet, etc., 580 Ramona street.

Ordinance No. 47574. A. J. Raymond, erect dwelling, 760-762 Weidler street.

Ordinance No. 47575. Eggiman Bros, erect mortuary, Ninety-first street, South East.

Ordinance No. 47576. A. J. Raymond, erect dwelling, 764-768 Weidler street.

Ordinance No. 47597. W. J. Jacob, alter apartment building, 1037 East Seventh street.

Ordinance No. 47627. Herman Nelson, apartment building, Twenty-second street, between Hoyt and Irving streets.

Ordinance No. 47632. F. G. Parkhurst, erect church, lot 5, block 6, Dolans Addition.

Ordinance No. 47660. Portland Electric Power Co., erect transformer, River street, near Larrabee.

Ordinance No. 47661. F. B. Turner, apartments, 774 Halsey street.

Ordinance No. 47662. John Paukner, frame dwelling, 3814 Sixty-third street, South East.

Ordinance No. 47664. Herman Nelson, apartment building, Twenty-second street, between Hoyt and Irving streets.

Ordinance No. 47665. J. H. Emery, janitor's apartment, 1275 Belmont street.

Ordinance No. 47686. Lincoln Realty Co., apartment building, Washington street, between East Eighth and East Ninth streets.

Ordinance No. 47690. D. B. McBride, move and mainain building, Burnside street, between First and Second streets.

Ordinance No. 47725. P. E. P. Co., construct ventilating shaft, Electric building.

Ordinance No. 47760. Clay S. Morse, store building, Sixth street, between Irving and Hoyt streets.

Ordinance No. 47783. School District No. 1, close Twentieth street, between Glisan and Hoyt streets.

Ordinance No. 47787. I. O. O. F. General Committee, to string decorations on streets.

Ordinance No. 47812. Portland Coliseum, Myler Building, warehouse, 657 Marshall street.

Ordinance No. 47828. R. W. Sundleaf, maintain dwelling, 1516 East Seventh street.

Ordinance No. 47829. W. R. Johnson, frame dwelling, 854 East Taylor street.

Ordinance No. 47832. J. Wolf, erect building projecting into street, Foster road.

Ordinance No. 47863. Lincoln Realty Co., apartment building, East Washington street, between East Eighth and East Ninth streets.

Ordinance No. 47891. D. Meyers, frame dwelling, 255 East Thirty-fourth street.

Ordinance No. 47892. D. Meyers, frame dwelling, 251 East Thirty-fourth street.

Ordinance No. 47897. School District No. 1, two-story school building. East Seventh and Wygant streets.

Ordinance No. 47934. P. H. Dunn Motor Co., office building, Grand avenue, between East Oak and East Pine streets.

Ordinance No. 47945. Oscar Hendrickson, apartments, Flanders street, between Twenty-second and Twenty-third streets.

Ordinance No. 47950. Louise Turner, maintain residence, Market street, between Fourteenth and Seventeenth.

Ordinance No. 47951. B. Royce, alter and maintain rooming house, Twenty-first, between Hoyt and Irving streets.

Ordinance No. 47992. E. C. Kroll, maintain frame dwelling, 691 Pacific street.

Ordinance No. 47993. H. M. Flavel, two two-story dwellings, Odgen avenue, between East Fourteenth and East Fifteenth streets.

Ordinance No. 47998. Ivan Humason, alter apartment building, Twentieth street.

Ordinance No. 47999. Alfred Smith, frame dwelling, East Thirty-sixth street, between Kelly and Franklin streets.

Ordinance No. 48000. H. M. Flavel, two frame dwellings, Clayborne avenue, between East Fourteenth and East Sixteenth streets.

Ordinance No. 48001. R. F. Wassell, apartment building.

Ordinance No. 48035. West Oregon Lumber Co., frame shed, Linnton, Oregon.

Ordinance No. 48036. Ada Simpson, frame apartments, 325 Tenth street.

Ordinance No. 48043. Owen Davis, frame apartment building, 855 East Yamhill street.

Ordinance No. 48044. J. C. Meyers, frame apartment building, Pettygrove street, between Twenty-third and Twenty-fourth streets.

Ordinance No. 48095. Masonic Temple Association, lodge building, Park street, between Main and Salmon streets.

Ordinance No. 48106. O. Ellison, alter frame apartments, Yamhill and Seventeenth streets.

Ordinance No. 48107. Moy Back Hin Co., hotel building, Yamhill, between Second and Third streets.

Ordinance No. 48108. Sam Bernstein, alter frame dwelling, Corbett street.

Ordinance No. 48109. L. C. Hendrichsen Estate, frame apartments, 775 Northrup street.

Ordinance No. 48138. L. Shank, erect wooden fence, Front street, between Sheridan and Arthur streets.

Ordinance No. 48145. Portland Gas & Coke Co., lay gas pipe, U. S. Grant Park,.

Ordinance No. 48149. Mt. Hood Soap Co., lay pipe line, Fourth and Flanders streets.

Ordinance No. 48154. Portland Finance Corporation, frame apartments, 1055 Hawthorne avenue.

Ordinance No. 48185. Keller & Boyd, theatre and stores, Broadway and Salmon streets.

Ordinance No. 48208. W. V. Hawes, two frame dwellings, East Eighteenth street, between Ash and Pine streets.

Ordinance No. 48209. A. C. Meyer, two frame dwellings, Sumner street, between Albina and Kerby streets.

Ordinance No. 48210. Richard Breyer, alter apartment building, Stanton street.

Ordinance No. 48241. Journal Publishing Co., Santa Clause building, Park blocks.

Ordinance No. 48258. D. P. Thompson Co., store and rooming house, 64 Second street.

Ordinance No. 48259. James Cook Estate, store and rooming house, 82 Second street.

Ordinance No. 48263. S. Syd. Mishkind, frame apartments, Marshall street, between Twentieth and Twenty-first streets.

Ordinance No. 48315. D. J. Curran, alter apartment building, Williams avenue, between Monroe and Morris streets.

Ordinance No. 48320. Retail Merchants Committee of Chamber of Commerce, string garlands, various streets.

Ordinance No. 48370. Erect two-story, Class VI masonry apartment building on Market street between Thirteenth and Fourteenth streets. Frank Montgomery.

Ordinance No. 48372. Erect one-story frame dwelling on East Twenty-eighth street North, between Wasco and Clackamas streets. J. E. Moore.

Ordinance No. 48373. Alter two-story apartment building on Williams avenue, between Morris and Monroe streets. D. J. Curran.

Ordinance No. 48413. Construct concrete retaining wall in street area of Corbett street, adjacent to Lot 2 and the northerly portion of Lot 3, Block 3, Corbett Terrace. Elmer E. Feig.

Ordinance No. 48414. Two-story frame dwelling on Sherman street, between Sixth street and Broadway drive. John Bartey.

Ordinance No. 48415. Erect a three-story apartment building on the northeast corner of Sixteenth and Belmont streets. I. A. Peters.

Ordinance No. 48450. To temporarily place and maintain certain Christmas decorations in front of store at 127 Grand avenue. Grand Electric Co.

Ordinance No. 48464. Maintain a shed in the street area along the northerly side of Arthur street, east of Hood street. Portland Cigar Box Manufacturing Co.

Ordinance No. 48478. Operate motor busses in both directions on and along certain named streets. Linnton Transit Co.

Ordinance No. 48494. Erect stone retaining wall adjacent to Lot 1, Block 2, D. Shaver's Second Addition, extending into Hancock street. L. A. Crane.

Ordinance No. 48504. Erect three-story apartment building on Twenty-second street, North, between Everett and Davis streets. Julius Sax.

Ordinance No. 48505. Erect two-story Class VI apartment building on Johnson street, between Twenty-first and Twenty-second streets. S. E. Henderson.

Ordinance No. 48506. Erect two-story concrete apartment building on Alberta street. H. E. Mulholland.

Ordinance No. 48535. Construct one-story frame or stucco office building on extreme end of the west twenty-five feet of Lot 24, Block 4, Westmoreland S. S. Underdahl.

Ordinance No. 48537. Repealing Ordinance No. 48319.

Ordinance No. 48554. Maintain a two-story frame flat building on East Washington street, between East Tenth and East Eleventh streets. George Zollner.

Ordinance No. 48555. Move one-story frame dwelling on East Fourteenth street, between Henry and Duke avenues. J. K. Elmer.

Ordinance No. 48597. Reconstruct a driveway on west side of East Nineteenth street, between Sandy boulevard and East Flanders street. M. H. Carter.

Ordinance No. 48601. Erect two-story frame apartment building on Mississippi avenue, between Knott and Russell streets. Leigh Investment Co.

Ordinance No. 48602. Maintain living quarters in two-story class VI building on East Thirty-eighth street, North, between Sandy boulevard and Broadway. Young Men's Christian Association.

Ordinance No. 48618. Erect church on Lots 6 and 7, Block 6, Lincoln Park (northeast corner of East Ninth and Beach streets).

Ordinance No. 48645. Two-story frame apartment building on Johnson street, between Twenty-first and Twenty-second streets. J. C. Meyers.

Ordinance No. 48646. Erect two one-story frame flat buildings on East Twentietb street, between Irving and Oregon streets. G. R. Bennett.

Ordinance No. 48647. Erect three-story Class VI masonry apartment building on Tenth street, between Market and Mill streets. Paul R. Spath.

Ordinance No. 48648. Erect two one-story frame dwellings on Tillamook street, between East Tenth and East Eleventh streets. Alan E. Brown.

Ordinance No. 48676. One and two-story frame residence on Melinda avenue at foot of Albermarle Terrace, with a reduced side yard. Kenneth MacKenzie.

Ordinance No. 48698. Closing of Twenty-sixth street from Pettygrove street to Raleigh street in front of the Chapman school to vehicular traffic during recess and dismissal periods of said school.

Ordinance No. 48703. Erect two-story frame apartment building

on East Harrison street, between Marguerite avenue and East Thirty-seventh street. C. E. Beeman.

Ordinance No. 48705. Erect street lighting post and suitable lights on the north side of Yamhill street 30 feet east of the east line of Park street. Woods Lunch.

Ordinance No. 48734. Erect two-story Class VI apartment building on Twenty-first street North, between Washington and Davis streets. Mrs. J. H. DeHoney.

Ordinance No. 48735. Alter one-story frame dwelling on Grand avenue, between Going and Prescott streets. Nellie E. Brown.

Ordinance No. 48738. Erect frame open dock at foot of Spokane avenue. East Side Box Co.

Ordinance No. 48739. Authorizing Commission of Public Docks of the City of Portland to use Front street whenever necessary in the transfer of a steam crane from one part of its property to another.

Ordinance No. 48794. Erect one-story Class VI masonry store building as an addition in front of a one-story and a two-story frame dwelling on Washington street, between Eighteenth and Nineteenth streets. Nathan Wise.

Ordinance No. 48795. Erect three-story Class VI apartment building on Irving street, between Twentieth and Twenty-first streets. F. E. Bowman.

Ordinance No. 48796. Alter two-story frame apartment building on Corbett street, between Abernethy and Thomas streets, with a four-foot side yard. Geo. E. Doyle.

Ordinance No. 48797. Erect two-story dwelling on East Fifty-second street North, between Multnomah and Pacific streets. R. Van Wie.

Ordinance No. 48798. Erect two-story Class VI apartment building on Marshall shtreet, between Twentieth and Twenty-first streets with a janitor's apartment in cellar. S. Syd Mishkind.

Ordinance No. 48800. Erect air and water stand in front of 1322 East Glisan street, between East Forty-seventh street and East Forty-eighth street. Mrs. Rebecca A. Betts.

Ordinance Eo. 48801. Maintain some apartment house porches projecting into street area on the south side of Oregon street, between East Twentieth street and East Twenty-first street, a distance not to exceed one foot. G. R. Bennett.

Ordinance No. 48807. Conduct printing shop in basement of premises situated on Lot 24, Block 4, Terminus Addition. W. E. Ellis.

Ordinance No. 48811. Authorizing American Legion to hold a parade on streets of City of Portland, Wednesday evening, February 3, 1926.

Ordinance No. 48868. Erect and maintain a two-story Class VI apartment building on Montgomery street, between Second and Third streets. Montgomery Investment Co.

Ordinance No. 48869. Erect two-story Class VI apartment building on East Forty-first street, between Broadway and Halsey streets. T. B. Winship.

Ordinance No. 48870. Erect a two-story frame apartment building on Lovejoy street, between Twenty-second and Twenty-third streets. J. E. Henderson.

Ordinance No. 48888. Permit to County Commissioners, Multnomah County to close Grand avenue from the south line of Woodward avenue to the north line of Brooklyn street during the construction of the east approach to the Ross Island Bridge.

Ordinance No. 48889. Oregon Manufacturers' Association to hold a parade on streets of City of Portland Monday, February 22, 1926. Max G. Politz.

Ordinance No. 48920. Erect a two-story frame dwelling on Albina avenue with a 10-foot rear yard. A. G. Olson.

Ordinance No. 48922. Construct a dry masonry wall not to exceed three feet in height along Winchester Terrace and Cumberland road immediately back of the curb adjacent to Lots 4 to 8, inclusive, Block 16, Westover Terraces. Mrs. R. D. Inman.

Ordinance No. 48924. Erect a two-story frame apartment building on Quimby street, between Twenty-fourth and Twenty-fifth streets. J. F. McDonald.

Ordinance No. 48943. Erect an eight-foot fence on Quimby, Pettygrove, Twelfth and Thirteenth streets. J. E. Birkheimer Manufacturing Co.

Ordinance No. 48945. Granting permit to Volunteers of America.

Ordinance No. 48965. Maintain dwelling within street area of Water street immediately north of Grover street. Mrs. Anna Schneider.

Ordinance No. 48966. Erect a two-story frame apartment building on Irving street, between Twenty-first and Twenty-second streets. J. C. Meyers.

Ordinance No. 48975. Construct school building on Blocks 1 and 2, Whiterose Addition, facing East Forty-second street. School District, No. 1.

Ordinance No. 49004. Maintain festoon of lights on east side of Fourteenth street, between Washington and Burnside streets. Cotillion Hall and Dancing Academy.

Ordinance No. 49006. Construct drinking fountain at 225 Twelfth street projecting into street area of Twelfth street a distance of not to exceed 18 inches. Board of Trustees, First Unitarian Society of Portland.

Ordinance No. 49007. Erect a two-story frame residence with ten-foot rear yard at 660 Kenilworth avenue, between Waverly and Franklin avenues. J. I. Kincade.

Ordinance No. 49008. Erect a two-story Class VI masonry apartment building on Sandy boulevard, between East Fifty-second and East Fifty-fourth streets, North. Guy F. Atkinson.

Ordinance No. 49009. Erect two one-story frame dwellings on East Twenty-first street, North, between Oregon and Irving streets, with 10-foot rear yards. G. R. Bennett.

Ordinance No. 49011. Construct single family dwellings upon Lots 8, 9 and 10, Sheffield Court, within the area lying between the street line of Edgewood road and a line designated on the dedicated plat of Sheffield Court as "building set back and slope easement line," providing said family dwellings are not constructed nearer than 10 feet from the curb line of said Edgewood road. Frank L. Beach and Elizabeth Beach.

Ordinance No. 49013. Erect a one-story building on the east 67½

feet of the north 50 feet of Lot 2, Block N, Tabor Heights. W. Eugene Early and T. R. Phillips.

Ordinance No. 49038. To fill in the gallery floor floor in the tenth story of the 12-story fireproof building on Fifth street, between Morrison and Alder streets. Meier & Frank Co.

Ordinance No. 49039. Permit to Volunteers of America to erect and maintain fences across East Twenty-seventh street near Long avenue.

Ordinance No. 49044. Erect a one-story frame residence with a ten-foot rear yard at No. 763 Ridgewood avenue, between East Twenty-first street, North, and Stuart drive. H. Phillips.

Ordinance No. 49045. Erect a one and one-half story frame residence with a ten-foot rear yard at No. 836 Siskiyou street, between East Twenty-sixth and East Twenty-seventh streets, North. Herbert McCoy.

Ordinance No. 49049. Erect a two-story class VI apartment building on Marshall street, between Twentieth and Twenty-first streets. H. Mittleman.

Ordinance No. 49072. Erect building to be used as church on west 100 feet of Tract 22, Northern Hill Acres. Peninsula Baptist Church.

Ordinance No. 49073. Construction on Lot 16, Block 19, North Irvington (southwest corner of East Thirteenth and Skidmore streeets) building to be used as church. T. C. Duncan.

Ordinance No. 49078. Alter three-story frame mothers' and children's home on East Twenty-eighth street, between Holgate street and Long avenue. Volunteers of America.

Ordinance No. 49099. Alter a three-story Class VI masonry store and rooming house at 62 Second street, between Pine and Oak streets, with inside sleeping rooms enclosed with dwarf wood partitions without direct window light and ventilation. W. T. O'Brien.

Ordinance No. 49101. Erect at 2959 St. Helens road, a two-story store and apartment building. Broden Company, Inc.

Ordinance No. 49102. Erect at 179 Ainsworth avenue one-story frame paartment building. J. J. Jackson.

Ordinance No. 49103. Erect at 768 Arden road, between Broadway drive and Sherwood drive a two-story frame dwelling R. S. MacKenzie.

Ordinance No. 49179. Permit to Department of Oregon, Veterans of Foreign Wars of the United States to sell poppies on streets May 28 and 29, 1926.

Ordinance No. 49180. Permit to American War Mothers to sell paper carnations on streets Saturday, May 8, 1926.

Ordinance No. 49185. Erect on Northrup street, between Twenty-fourth and Twenty-fifth streets a two-story frame apartment building. O. Hendrickson.

Ordinance No. 49186. Permit to occupy a portion of Borthwick street adjacent to new Shaver school. School District No. 1.

Ordinance No. 49188. Permit to rope off Henry avenue, between East Thirteenth street and East Fourteenth street. School District No. 1.

Ordinance No. 49191. Alter two-story frame apartment building at 256 Forty-third street. J. M. Snyder.

Ordinance No. 49192 Erect two two-story duplex frame residences at 1163 Vancouver avenue. J. B. Mann.

Ordinance No. 49193. Erect a two-story frame apartment building at 725 Irving street. L. H. Hoffman.

Ordinance No. 49194 Erect a two-story frame apartment building at No 368 East Forty-first street, North. T. B. Winship.

Ordinance No. 49238. Erect light constructed wood frame balcony in Portland Auditorium. Manager of Public Auditorium.

Ordinance No. 49259. Erect a one-story frame duplex residence at 845-47 Gladstone avenue. Mrs. Mattie Zumwalt.

Ordinance No. 49260. Erect a two-story frame apartment building at 381 Twelfth street. Frank Montgomery.

Ordinance No. 49261. Erect a two-story frame residence at 348 East Fourteenth street, North. Martha Myers.

Ordinance No. 49286. Erect two one-story frame residences on Upshur street, between Twenty-sixth and Twenty-seventh streets. J. C. Meyers.

Ordinance No. 49287. Erect a three-story Class VI masonry apartment building on North Twenty-fourth street, between Quimby and Raleigh streets. William Isensee.

Ordinance No. 49288. Erect a two-story frame apartment building at 1263 Belmont street, between East Forty-second and East Forty-third streets. Frank Lanuing.

Ordinance No. 48289. Erect a two-story class VI masonry apartment building at 825 Raleigh street. Mrs. Augusta McClean.

Ordinance No. 49290. Alter a two and one-half story frame apartment building at 485 East Twenty-third street. R. Stanton.

Ordinance No. 49296. Construct a nine-story building with tower. Mead Estate.

Ordinance No. 49313. Construct building to be used as a church on Lots 1, 2, 7 and 8, Block 14, Kenworthys Addition, Third Church of Christ, Scientist.

Ordinance No. 49314. Erect a building to be used as a church on Lots 9 and 10, Block 1, Clare Addition. W. H. Norman.

Ordinance No. 49339 Erect a three-story class VI apartment building at 431 East Taylor street. John Sande.

Ordinance No. 49340. Erect a two-story frame apartment building at 668 Johnston street. S. E. Henderson.

Ordinance No. 49341 Erect a two-story frame apartment building at 231 East Thirty-first, North. Chas. Simost.

Ordinance No. 49355. Permit to construct a house on land facing Columbia Slough channel. J. H. MacKenzie.

Ordinance No. 49356 Permit to operate a gravel pit on certain described property. Clyde G. Nelson.

Ordinance No. 49386. Construct a driveway of special type in front of place of business at 340 Burnside street. Columbia Tire Corporation.

Ordinance No. 49394. Permit to maintain three ticket selling booths in sidewalk area at Twenty-fourth and Vaughn streets. Portland Baseball Club.

Ordinance No. 49415. Amending Section 1 of Ordinance No. 49179.

Ordinance No. 49435. Erect a two-story frame residence on Douglas Place, between Park avenue and Madison street. Alfred J. Bingham.

Ordinance No. 49437. Erect a two-story frame apartment building

at 700 Irving street, between Twenty-first and Twenty-second streets. S. E. Henderson.

Ordinance No. 49438. To move one and one-half story frame residence at 5611 Fortieth avenue, Southeast. George Abraham.

Ordinance No. 49439. Erect a two-story Class VI masonry apartment building at East Davis street, between East Twentieth and East Twenty-first streets. N. B. Lesher.

Ordinance No. 49446. Operate a Christian Science Convalescent Home on Lot 3, Block W, Tabor Heights. Flora Crooks.

Ordinance No. 49499. Erect a stadium on Morrison, Salmon, Chapman and Stout streets. Multnomah Civic Stadium Association.

Ordinance No. 49508. Maintain lunch room and small store in residence on fractions of Lots 6 and 7, Block 7, Howe's Addition. Edith Tobey.

Ordinance No. 49532. Erect for three weeks a tent on Lot 2, Block 5, Green's Addition. W. W. Cunningham.

Ordinance No. 49548 Erect a one-story frame residence at 185 Peerless Place, between East Irving street and Floral avenue O. V. Painter.

Ordinance No. 49549. To erect a four-story Class VI apartment building at 28 North Sixteenth, between Washington and Couch streets. Washington Street Corporation.

Ordinance No. 49551. Erect a two-story frame apartment building at 775 Marshall street, between Twenty-third and Twenty-fourth streets. J. C. Meyers.

Ordinance No. 49552. Remove a third story from the three-story frame apartment building at 1678 Portsmouth avenue, and erect a two-story addition containing two apartments in lieu of the two apartments removed from the third floor. G. Dindia.

Ordinance No. 49555. Erect telephone exchange in Irvington. Pacific Telephone and Telegraph Co.

Ordinance No. 49556. Erect two metal flagpoles projecting from the Congress Hotel on Sixth street. Smith Hotel Co.

Ordinance No. 49559. Maintain small candy factory at home at 972 East Taylor street. Mrs. Elizabeth Wood.

Ordinance No. 49594. Permit to discharge Jap Day bombshells and Day-Go bombs on the new Burnside bridge Friday, May 28, 1926. East Side Business Men's Club.

Ordinance No. 49623. Erect a two-story frame residence at 1097 Patton road, between Montgomery street and Vista avenue. Mrs. C. H. Wheeler.

Ordinance No 49624. Erect a two-story Class VI masonry apartment building on East Nineteenth street, between East Burnside and East Couch street. Chas. W. Michael.

Ordinance No. 49625. Erect a two-story frame apartment building at 594 East Stark street. Perry Tull.

Ordinance No. 49633. Erect a two-story fireproof school building on certain property in Scoffin's Addition. School District No. 1.

Ordinance No. 49682. Erect a two-story flat building at 109-115 West Watts street. J. B. Diekover.

Ordinance No. 49683 Erect a two-story frame apartment building at 284 East Sixteenth street J. C. Meyers.

Ordinance No. 49684. Erect a two-story store and apartment building on Hawthorne avenue, between East Twentieth and Elliott avenue. Allard J. Conger.

Ordinance No. 49685. Erect a frame polo court covered with chicken wire netting on the roof of the four-story Class IV club building located at 275 Sixth street. University Club of Portland.

Ordinance No. 49687. Alter a three-story Class VI masonry store and assembly hall as a tire shop. E. Cordano.

Ordinance No. 49718. Construct concrete retaining wall along northerly side of Fairview boulevard adjacent to Lot 17, Block 12, Arlington Heights Mrs. Mabel Conway.

Ordinance No. 49728. Enclose certain property, including street, in Fulton Park District. H. E. Coleman.

Ordinance No. 49765 Maintain a two-story frame apartment building at 721 East Flanders street W. A. Carpenter.

Ordinance No. 49830. Erect a five-story Class IV hotel at 300 Broadway. Stebbinger Brothers.

Ordinance No. 49831. Erect a two-story masonry apartment building on Holladay avenue, between East Thirtieth and East Thirty-first street. Fred Cunningham.

Ordinance No. 49832. Ereet a four-story Class VI masonry apartment building on Park street, between Harrison and Hall streets. Hary Mittleman.

Ordinance No. 49833. Erect a three-story Class VI masonry apartment building at 580 Belmont street. A. J. Rundell.

Ordinance No. 49881 Erect a building to be used as a church on Lots 3 and 4, Block 2, P. T. Smith's Addition. United Evangelical Church of St. Johns.

Ordinance No. 49882. Construct a reinforced concrete retaining wall along the westerly side of Cardinell drive adjacent to Lot 10, Block 6, Cardinell Park. O. J. Goffin.

Ordinance No. 49924. Erect for a period of four weeks a tent on vacant property on the northeast corner of Fessenden and Jersey streets. Rev. W. R. French.

Ordinance No. 49951. Construct a roadway for use of vehicles connecting the roadway of Terwilliger boulevard with Third street at and near a westerly projection of the northerly line of Lot "F" of the subdivision of Block 12, in Portland Homestead. James J. Sayer, L. E. Carter and James R. Brown.

Ordinance No. 49959. Erect a two-story, frame store and apartment building at 1441 Sandy boulevard. W. J. Dunlap.

Ordinance No. 49960. Erect a three-story Class VI masonry apartment building at 580 Belmont street. J. D. Wassell.

Ordinance No. 49961 Erect a two-story frame apartment building at 488 Montgomery street. S. E. Henderson.

Ordinance No. 49963. Construct a cesspool in the sidewalk area on west side of Curtis avenue north of Lombard street. C. H. Vanderveen.

Ordinance No. 49964. Alter a one-story frame dwelling at 2049 Hassalo street. Carl A. Swarts.

Ordinance No. 49965. Erect a two-story frame apartment building at 741 Johnson street S. E. Henderson.

Ordinance No. 49966. Erect a two-story frame Class VI masonry rooming house at 229 First street. M. Director.

Ordinance No. 49967. Alter a two-story frame apartment building at 324 Jackson street Albert S. Carlson.

Ordinance No. 49985. Erect building to be used as a church on acreage tract fronting on west side of East Thirty-ninth street beginning at a point 100 feet north of the north line of Stephens street and running to a point 213.4 feet south of the south line of East Market street. First United Presbyterian Church.

Ordinance No. 50005. Erect a two-story storage and apartment building on East Twenty-eighth street, between East Everett and East Flanders streets. L. J. Scott.

Ordinance No. 50039. Erect a church building on East Thirty-ninth street, between Stephens and Market streets. First United Presbyterian Church.

Ordinance No. 50040. Erect a school building fronting on Couch street near East Fiftieth street. Doremus Union School et al.

Ordinance No. 50049. To hold parade on Saturday, July 31, 1926. Maytag Pacific Co.

Ordinance No. 50056. Alter a two-story store and hotel building at 242 Couch street. Miss Ella Stephens.

Ordinance No. 50057. Erect a two-story frame dwelling at 107 Dickens avenue. C. A. Huff.

Ordinance No. 50058 Complete one and one-half story frame dwelling at 949 East Lincoln street. D. N. Sermon.

Ordinance No. 50067. Erect a four-story hotel building on the northwest corner of Sixteenth and Morrison streets. Mrs. Fannie Frank.

Ordinance No. 50110. Hold a baseball parade, August 5, 1926. Progressive Business Men's Club.

Ordinance No. 50111. Hold a parade August 5, 1926. United Artisans.

Ordinance No. 50121. Use for garden purposes south half of Nevada street, adjacent to Lot 16, Block 5, Corbett Terrace F. B. Skinner.

Ordinance No. 50123. Erect a canvas-covered wood frame rest room on the roof of the fireproof hospital for children located on Marquam Hill road. University of Oregon.

Ordinance No. 50170. Construct two ornamental columns on Westwood avenue immediately south of Terwilliger boulevard. Edgemont Investment Co.

Ordinance No. 50172. Erect a two-story frame apartment building at 632 Hawthorne avenue. J. C. Meyers.

Ordinance No 50173 Erect a two-story frame apartment building at 783 Johnson street J. C. Meyers.

Ordinance No. 50175. Erect a two-story frame apartment building at 700 Northrup street. S. E. Henderson.

Ordinance No. 50176. Erect a one-story frame bungalow court at 748 Multnomah street. Julia Douglas.

Ordinance No. 50241. Alter a two-story frame store and apartment building at 640 East Main street. Martha Horn.

Ordinance No. 50242. Erect an addition to a one-story dwelling at 943 Belmont street. George Ford.

Ordinance No. 50243. Alter a two-story frame office building at 414 East Alder street. East Side Funeral Directors, Inc.

Ordinance No. 50244. Alter a two-story frame building at 646 East Twentieth street, South. Mrs. Julia Harris.

Ordinance No. 50245. Alter a two-story frame two-family dwelling at 575 Third street. Abe Jackson.

Ordinance No. 50249. Authorizing a transfer by Angelo Costanzo to Terwilliger Service Station, Inc., of the benefits and liabilities provided for in Ordinance No. 48987.

Ordinance No. 50293. Erect a building to be used exclusively for religious purposes on Lots 3 and 4 of Block 4, St. Ives Addition. Protestant Episcopal Church.

Ordinance No. 50323. Construct a six-inch sewer in the parking strip along the easterly side of Thirty-ninth street, between Savier and Thurman streets. G. C. Goldenberg.

Ordinance No. 50330. Erect a building to be used for religious purposes on Lots 5 and 6, Block 3, in Linn's Addition. First United Presbyterian Church.

Ordinance No. 50333. Erect six ornamental lighting standards on the south side of Hawthorne avenue between East Twenty-fifth street and East Twenty-seventh street. Edward Holman & Son, Inc.

Ordinance No. 50336. Erect a two-story frame residence at 193 Marconi street. Geo. A. Donald.

Ordinance No. 50337 Alter a two-story frame residence at 615 Knott street. A. E. Jackson.

Ordinance No. 50338. Erect a two-story frame store and apartment building at 285 East Twentieth street Allard J. Conger.

Ordinance No. 50375. Erect a one-story frame residence at 580 Division street. Frank Amato.

Ordinance No. 50404. Alter a three-story store and rooming house at 89½ Second street. Bacon Estate.

Ordinance No. 50428. Alter a two-story store and apartment building at 1732½ Denver avenue. Alfred J. Bingham.

Ordinance No. 50429. Erect a one-story frame residence at 1390 East Thirty-sixth street. John W. Stout.

Ordinance No. 50430. Alter a two-story frame dwelling at 4223 Forty-seventh avenue, Southeast. Mrs. Anna Houseberger.

Ordinance No. 50432. Use of building now situated on Lot 18, Block 2, Tobasco Addition for school lunch purposes. Leah Chambers Scott.

Ordinance No. 50460. Use of certain park block on October 6 and 7 making parking of vehicles about said block unlawful. M. L. Linthicum.

Ordinance No. 50473. Erect a two-story frame apartment building at 1927 East Glisan street. Henry C. Ball.

Ordinance No. 50474. Erect a seven-story reinforced concrete fireproof hotel building at 515 Yamhill street R. H. Griffith.

Ordinance No. 50475. Alter a four-story apartment building on Park street. Harry Mittleman.

Ordinance No. 50479. Erect a building to be used exclusively for religious purposes on Lots 7, 8 and 9 of Block 5, Highland. Highland Park Congregational Church.

Ordinance No. 50502. Lay a two-inch steam main under and across

East Thirty-fourth, between Belmont and East Morrison streets. Riverview Dairy Co.

Ordinance No. 50507. Granting permit to S. S. Rich.

Ordinance No. 50509. Construct a subway for conducting electric transmission and telephone wires across property of the City of Portland. Portland Electric Power Co.

Ordinance No. 50510. Repealing Ordinance No. 50428.

Ordinance No. 50526. Erect an eleven-story fireproof steel frame addition to their present office building at 82 Park street. Pacific Telephone & Telegraph Co.

Ordinance No. 50529. Erect a beam to be used as a meat conveyor projecting over sidewalk area on north side of Yamhill street immediately west of Front street. Portland Produce Co.

Ordinance No. 50530. Lay a six-inch pipe enclosing a four-inch steam main and a two-inch return under and across East Nineteenth at right angles to the center line of East Nineteenth at a point approximately 120 feet south of the south line of East Glisan street. Jantzen Knitting Mills.

Ordinance No. 50532. Move a one-story frame residence at 511 Tibbetts street. U. Boracco.

Ordinance No. 50547. Hold a parade from the Imperial Hotel to the Pythian Building Saturday evening, October 9, 1926. Knights of Pythias.

Ordinance No. 50549. Maintain a five-story hotel building at 300 Broadway, between Columbia and Clay streets. Stebbinger Bros.

Ordinance No. 50568. Erect a beam to be used as a meat conveyor projecting over the sidewalk area on east side of Grand avenue in front of property known as 284 Grand avenue. Hockinson's Wholesale Meats.

Ordinance No. 50569. Alter a two-story frame apartment building at 562-68 East Salmon street. Beaver State Investment Co.

Ordinance No. 50570. Alter a two-story frame apartment building at 669 Multnomah street. J. A. Mier.

Ordinance No. 50611 Alter a two-story frame dwelling at 771 Irving street Mrs. Louise Jones Sears.

Ordinance No. 50612. Alter a two-story frame store and apartment building at 646 Milwaukie street. A. G. Woolworth.

Ordinance No. 50613 Maintain a two-story frame apartment building at 35 East Thirty-second street, North. Leon Boyer.

Ordinance No. 50618. Alter a three-story store and rooming house at 61 North Second street with inside sleeping rooms enclosed with dwarf wood partitions without direct window light and ventilation. Mrs. Mark O'Neill and J. J. Fahie.

Ordinance No. 50622. Erect a building to be used exclusively for religious purposes on Lots 1, 2, 7 and 8, Block 78, Holladay's Addition. First Swedish Baptist Church.

Ordinance No. 50623. Erect a two-story fireproof building to be used exclusively for educational purposes on Blocks 61 and 62, Eastmoreland. School District No. 1.

Ordinance No. 50654. Hold a parade on street Saturday, October 23, 1926. Pacific University of Forest Grove, Oregon.

Ordinance No. 50681. Erect a three-story building at 720 Everett street. Syd Mishkind.

Ordinance No. 50682. Erect a two-story apartment building at 797 Halsey street. Four Investment Co.

Ordinance No. 50683. Erect a two-story frame building at 329 East Twenty-fourth street, North. Earl Investment Co.

Ordinance No. 50692. Permit to use the residence on Lots 8 and 9, Block 8, City View Park. F. A. Lile.

Ordinance No. 50720. Install ornamental lighting system on north side of Hawthorne avenue. Francis Motor Car Co.

Ordinance No. 50722. Erect a sixteen-story fireproof, steel frame store and office building on Sixth street. Guy W. Talbot.

Ordinance No 50727. Erect a building to be used exclusively for religious purposes on Lots 5, 8 and 9, Block 274, Couch's Addition. Congregation Beth Israel.

Ordinance No. 50741. Construct one-story frame residence on 1103 East Eighteenth street, North. C. J. Cunningham.

Ordinance No. 50757. Erect a rustic building for Santa Claus' Headquarters in Park Block. Journal Publishing Co.

Ordinance No. 50759. Salvage waste paper in certain city dumps. Independent Paper Stock Co.

Ordinance No. 50786. Alter one-story frame residence at 1440 East Everett street. R. L. Brennan.

Ordinance No. 50787. Erect a two-story frame residence at 947 Thompson street. Ernie N. Johnson.

Ordinance No. 50826. Erect one-story frame shed 47 feet high. Peninsula Lumber Co.

Ordinance No. 50828. Alter a two-story frame residence at 1134 Belmont street. Mrs. M. James.

Ordinance No. 50829. Alter two-story frame apartment building at 594 Laurel avenue Dr. A. W. Kenne.

Ordinance No. 50830. Alter a three-story store and hotel building at 314 Oak street. Brice Mortgage Co.

Ordinance No. 50831. Maintain a seven-story reinforced concrete, fireproof hotel building 79 feet high at 515 Yamhill street. R. H. Griffith.

Ordinance No. 50837. Erect a building to be used exclusively for religious purposes on Lots 17 and 18, Block 1, Chester Place. A. W. Juhrs, et al.

Ordinance No. 50851. Move a two-story frame residence at 516-518 Woodward avenue. Emma N. Lang.

Ordinance No. 50852. Move a one-story frame residence at 182 Meade street. E. H. Bollinger.

Ordinance No. 50899. Erect a two-story reinforced concrete and steel building on St. Helens road at Gasco Station. Portland Gas & Coke Co.

Ordinance No. 50913. Maintain a two-story frame store and apartment building at 496-510 East Ninth street, North. Elizabeth Curtis.

Ordinance No. 50914. Move a two-story frame residence at 601 East Twelfth street. George T. Croeni, The Dalles, Ore.

Ordinance No. 50954. Maintain two-story frame residence at 835 Hood street, between Curry and Whitaker streets. Alice Beatty.

Ordinance No. 50955. Maintain a one-story frame residence at 185 Curry street, between Water and Front streets. A. E. McGlashan.

Ordinance No. 50956. Maintain four poles with appurtenances along the easterly side of Sherlock avenue, between Ball street and the present northerly terminus of said Sherlock avenue. Postal Telegraph Cable Company.

Ordinance No. 50970. To move and maintain two-story frame dwelling at 704 Powell street, between East Twentieth and East Twenty-first streets. Mrs. Helen Broeder.

Ordinance No. 51001. To move and maintain a two-story frame store and residence building at 650 Milwaukie street, betwen Pershing and Beacon streets. Mrs. M. Broeder.

Ordinance No. 51061. Move and maintain a two-story frame residence at 704 Powell street, between East Twentieth and East Twenty-first streets. E. A. Lamberson.

Ordinance No. 51062. Construct elevated wooden loading platform in the street area on the west side of East Second street, between East Madison street and East Main street. The Reed Institute.

Ordinance No. 51064. Erect a nine-story, reinforced concrete Class III store and office building, 111 feet 8 inches in height on Taylor street, between West Park and Tenth streets. J. R. Ellison and C. H. White.

Ordinance No. 51068. Erect a two-story frame apartment building at 657 Lovejoy street, between Twentieth and Twenty-first streets. S. E. Henderson.

Ordinance No. 51069. Erect and maintain a two-story frame apartment building at 295 Twenty-fifth street, between Overton and Pettygrove streets. A. Larrowe.

Ordinance No. 51075. Maintain commercial dog kennels on lots 1 and 2, block 1, Massillon Addition, Portland, Oregon, for a period ending August 31, 1927. E. W. James, et al.

Ordinance No. 51092. To conduct store on lots 1 and 2, block 25, Columbia Heights. Frank and Nellie Crystal.

Ordinance No. 51107. Erect and maintan nine-story, reinforced store and office building on Taylor street. J. E. Ellison and C. E. White.

Ordinance No. 51181. Erect and maintain a two-story, fireproof building to be used exclusively for educational purposes on block 3, Cannongate Addition. School District No. 1.

Ordinance No. 51194. Install and maintain a furnace in a three-story store and apartment building at 221 Front street, between Salmon and Main streets. Levin Hardware and Furnace Company.

Ordinance No. 51199. Erect and maintain a one-story frame residence at 1070 East Stark street, between East Thirty-sixth and East Thirty-seventh streets. W. K. Johnson.

Ordinance No. 51200. Erect and maintain a one-story frame residence at 1625 East Broadway, between East Sixty-second and East Sixty-third streets North. Minnie M. Gilds.

Ordinance No. 51216. To store building material on Sixth street, between Taylor and Salmon streets. L. H. Hoffman.

Ordinance No. 51,220. Erect and maintain a one-story frame residence at 914 Houghton street, between McKenna avenue and Easy street. W. A. Smith.

Ordinance No. 51221. Erect and maintain a two-story frame apartment building at 747 Glisan street, between Twenty-second and Twenty-third streets. S. E. Henderson.

Ordinance No. 51222. Erect and maintain a five-story, semi-fireproof, Class IV apartment building at 165 Sixteenth street, between Morrison and Yamhill streets. Sax Investment Co.

Ordinance No. 51254. One-story frame store building at 1171 Albina avenue, between Killingsworth avenue and Jessup street. J. A. Everhart.

Ordinance No. 51283. One-story frame building, 10 feet by 16 feet, on Grand avenue, between East Ash and East Ankeny streets. Braley & Graham.

Ordinance No. 51297. Two-story frame residence at 117 East Twenty-fourth street North, between East Flanders and East Glisan streets. Andrea Bergsvik.

Ordinance No. 51329. Two-story frame apartment building at 624 Johnson street, between Nineteenth and Twentieth streets. J. C. Myers.

Ordinance No. 51330. Two-story frame apartment building at 620 Johnson street, between Nineteenth and Twentieth streets. J. C. Myers.

Ordinance No. 51332. Two-story, Class V, masonry building on Morrison street, between Eighteenth and Chapman streets, with suspended ceiling of metal lath and plaster in the space used for office and show room in first story. T. W. Murphy.

Ordinance No. 51353. Building on lot 4, block 76, Rose City Park Addition, for use as auditorium and gymnasium in connection with present school building. Holy Child Academy.

Ordinance No. 51375. One-story frame residence at 1098 Center street, between East Thirty-seventh and Swenson streets. J. F. Petruzelli.

Ordinance No. 51376. One-story residence at 1609 Rodney avenue, between Russett and Baldwin streets. Arthur T. Moselle.

Ordinance No. 51406. Two-story frame residence at 365 East Eleventh street, between Stephens and East Harrison streets. J. A. Miller.

Ordinance No. 51424. One-story frame building, 10 feet by 12 feet, on Washington street, between Ella and Twenty-first streets. Tarola Motor Car Co.

Ordinance No. 51429. Two-story frame apartment building at 689 Glisan street, between Twenty-first and Twenty-second streets. S. E. Henderson.

Ordinance No. 51430. Four-story, Class VI, masonry apartment building at 435 Montgomery street, between Eleventh and Twelfth streets. Harry Mittleman.

Ordinance No. 51453. Two-story concrete store and apartment building at 514 Brooklyn street. G. B. Trotter.

Ordinance No. 51454. Two-story frame apartment building at 185, 187 Sixteenth street. Harry H. Daus.

Ordinance No. 51474. Fireproof, steel frame theatre on Park street, between Main and Salmon streets. Portland Paramount Corporation.

Ordinance No. 51475. Two-story frame apartment building at 222 East Twentieth street, between East Salmon and East Main streets. Arthur Hansen.

Ordinance No. 51513. Drill and maintain a well in street area on easterly side of East Third street, midway between East Flanders street and East Glisan street. Northwestern Ice and Cold Storage Company.

Ordinance No. 51517. Two-story, masonry, Class VIII apartment building at 36 East Thirty-second street, between East Ankney and East Pine streets. N. B. Lesher.

Ordinance No. 51518. Two-story frame apartment building at 185-187 Sixteenth street, between Yamhill and Taylor streets. Harry H. Daus.

Ordinance No. 51541. Two-story, fireproof, steel frame theatre building on Park street, between Salmon and Main streets. Portland Paramount Corporation.

Ordinance No. 51562. Two-story, fireproof building to be used for educational purposes on block 2, Dixon place, and block 10, Irvington Heights. School District No. 1, Multnomah County.

Ordinance No. 51563. Grocery store at 1008 East Allegheny street. Olive Bartlett.

Ordinance No. 51567. Two-story frame residence at 1148 Ariel Terrace, between Cumberland road and Eldorado place. Dr. Chas. C. Petheram.

Ordinance No. 51568. Two-story frame apartment building at 269 East Twenty-fourth street, between Hawthorne avenue and East Madison street. O. M. Akers.

Ordinance No. 51598. Sidewalk door on south side of Brooklyn street, approximately 40 feet west of the west line of East Eleventh street, closer than six feet from the south property line of said Brooklyn street. G. B. Trotter.

Ordinance No. 51599. Maintain building project into street area of East Eleventh street, between Brooklyn street and Powell street. G. B. Trotter.

Ordinance No. 51604. One-story frame residence at 967 East Fourteenth street North, between Prescott street and Going street. James Maguire.

Ordinance No. 51605. One-story frame residence at 971 East Fourteenth street North, between Prescott street and Going street. James Maguire.

Ordinance No. 51606. One-story frame residence at 763 Skidmore street, between East Twenty-third street and East Twenty-fourth street North. Mueller Building Company.

Ordinance No. 51607. One-story frame residence at 767 Skidmore street, between East Twenty-third and East Twenty-fourth streets North. Mueller Building Co.

Ordinance No. 51608. Move and maintain a one-story, metal covered, frame building at northeast corner of East First and East Madison streets. Oregon Portland Cement Company.

Ordinance No. 51609. Two-story, Class VI office and apartment building at 1635 East Thirteenth street, between Tacoma and Spokane avenues. Bank of Sellwood.

Ordinance No. 51610. Two-story, fireproof building to be used exclusively for educational purposes on blocks 19, 23 and the south one-half of block 15, Tolman Tract. School District No. 1, Multnomah County.

Ordinance No. 51668. Two-story frame apartment buildinf at 772 Pettygrove street, between Twenty-third and Twenty-fourth streets. Easson & Hart.

Ordinance No. 51669. One-story frame residence at 1055 Woodward avenue, between East Thirty-fifth street and Marguerite avenue. Stacy Roberts.

Ordinance No. 51674. Erect for a period of one year a temporary building on lots 3 and 5, block 2, Terwilliger Heights, to be used as office of said company. Edgemont Investment Co.

Ordinance No. 51707. Two-story frame apartment building at 616 Johnson street, between Nineteenth and Twentieth streets. J. C. Myers.

Ordinance No. 51708. Two two-story frame apartment buildings on Johnson street. J. C. Myers.

Ordinance No. 51709. Two-story frame apartment building on Hancock street, between East Fourteenth and East Fifteenth streets. Paul Crawford.

Ordinance No. 51710. Two-story frame apartment building at East Twenty sixth street, between Holladay avenue and Pacific street. John Domeries.

Ordinance No. 51711. Two-story frame apartment building at 534 Weidler street, between East Eleventh and East Twelfth streets. J. C. Roberts.

Ordinance No. 51712. Two-story, Class VI, masonry apartment building at 324 Jackson street, between Sixth and Broadway. Albert S. Carlson.

Ordinance No. 51713. Two-story, Class VI, masonry apartment building at 36 East Thirty-second street, between East Pine and East Ankeny streets. T. G. Larson.

Ordinance No. 51720. Roadway for use of vehicles connecting Terwilliger boulevard with grantee's property across property belonging to City of Portland and used for park purposes near the intersection of Third street and Hilton avenue. Theodore Burkhart.

Ordinance No. 51727. Two-story frame apartment building at 534 Weidler street, between East Eleventh and East Twelfth streets. J. C. Roberts.

Ordinance No. 51728. One-story frame bungalow court at 801 East Taylor street, between East Twenty-fourth and East Twenty-fifth streets. C. W. K. Johnson.

Ordinance No. 51729. Two-story, Class VI apartment building at 324 Jackson street, between Sixth street and Broadway. Albert S. Carlson.

Ordinance No. 51734. Building to be used exclusively for religious purposes on lot 1, block 1, Laurelcrest, and lots 10 and 11, block 4, Maple Hill place. Mildred B. Hall, et al.

Ordinance No. 51744. Construct bungalow courts on certain property in the City of Portland. Kate Bushong.

Ordinance No. 51785. Three two-story frame apartment buildings on Johnson street, between Nineteenth and Twentieth streets. J. C. Meyers, Western Bond and Mortgage Building.

Ordinance No. 51786. Two-story frame apartment building at 901 East Yamhill street, between East Twenty-ninth and East Thirtieth streets. Dennis O'Connell.

Ordinance No. 51787. Two-story frame apartment building at 1092 East Stark street, between East Thirty-sixth and East Thirty-seventh streets. C. S. Arnold.

Ordinance No. 51788. One-story, Class VII, flat building at 815 Ivon street, between East Twenty-fifth and East Twenty-sixth streets. George Wetle.

Ordinance No. 51789. Two-story frame apartment building at 289 Wasco, between Williams avenue and Wheeler street. Mrs. E. T. McAyeal.

Ordinance No. 51790. Two-story, Class VI apartment building at 324 Jackson street, between Sixth street and Broadway. Albert S. Carlson.

Ordinance No. 51791. Two-story frame apartment building at 208 East Twenty-sixth street North, between Pacific street and Holladay avenue. John Domeris.

Ordinance No. 51792. Two-story frame apartment building at 580 Hancock street, between East Fourteenth and East Fifteenth streets. L. E. Crawford.

Ordinance No. 51793. Two-story frame apartment building at 36 East Thirty-second street, between East Pine and East Ankeny streets. T. G. Larson.

Ordinance No. 51794. Class VI, store and apartment building at 581 Hawthorne avenue, between East Fourteenth and East Fifteenth streets. Miller Bros.

Ordinance No. 51796. Permit to make candy in his home at 501 East Thirty-eighth street North. Robert S. McKibbin, Jr.

Ordinance No. 51797. Two-story, fireproof building to be used for educational purposes on blocks 1 and 4, Etna Addition, and vacated portion of East Davis street, lying between blocks 1 and 4, in the City of Portland. School District No. 1, Multnomah County.

Ordinance No. 51822. Permit to exhibit in City of Portland the production "Women Love Diamonds". Metro-Goldwyn-Mayer Pictures.

Ordinance No. 51836. Permit to sell poppies on the streets of Portland May 27 and 28, 1927. Veterans of Foreign Wars and Auxiliaries of Portland, Oregon.

Ordinance No. 51842. Three-story, Class VI, masonry apartment building at 896 East Alder street, between East Twenty-ninth street and East Thirtieth street. Dennis O'Connell.

Ordinance No. 51843. Two-story frame apartment building at 901 East Yamhill street, between East Twenty-ninth and East Thirtieth streets. Dennis O'Connell.

Ordinance No. 51844. Three one-story frame residences on Fifty-fourth avenue Southeast, between East Forty-first and East Forty-fourth street. C. W. Michael.

Ordinance No. 51845. Two-story frame apartment building at 894-6 East Morrison street, between East Twenty-ninth and East Thirtieth streets. John A. Meissner.

Ordinance No. 51850. Building to be used exclusively for religious purposes on lots 5 and 6, block 3, in Linn's Addition. First United Presbyterian Church.

Ordinance No. 51851. Two one-story frame residences, one at 95 East Thirty-first street North, between East Everett and East Flanders streets, and one at 942 East Flanders street, between East Thirtieth and East Thirty-first streets. R. G. Richardson.

Ordinance No. 51861. To hold parade on streets April 13, 1927. Portland Baseball Boosters.

Ordinance No. 51866. Two-story auditorium unit of Grant High School. School District No. 1.

Ordinance No. 51867. To arcade building on East Burnside street. O. G. and Anna L. Holmes.

Ordinance No. 51879. To hold circus on April 20 to 25, 1927, without payment of license. Ralph J. Staehli, et al.

Ordinance No. 51883. Two-story frame apartment building at 621 Irving street, between Nineteenth and Twentieth streets. J. C. Meyers.

Ordinance No. 51888. One-story frame residence at 808 Michigan avenue, between Beech and Failing streets. G. M. MacRae.

Ordinance No. 51890. One-story frame residence at 121 Cook avenue, between Mississippi and Albina avenues. P. D. Laurence.

Ordinance No. 51891. Two-story, fireproof building to be used for educational purposes on blocks 5 and 6, Portsmouth Villa extended. School District No. 1.

Ordinance No. 51914. Operate line of busses in City of Portland. Dunthorpe Transit Company.

Ordinance No. 51916. An addition to building located at intersection of Terwilliger boulevard and Marquam road. Terwilliger Service Station, Inc.

Ordinance No. 51928. One-story frame shed addition to frame lumber shed, 48 feet high, on St. Helens road, 3200 feet north of the north boundary of Linnton. West Oregon Lumber Company.

Ordinance No. 51936. Two two-story frame apartment buildings on Quimby street, between Twenty-second and Twenty-third streets. Mrs. J. D. Raymond.

Ordinance No. 51937. One-story frame flat building at 1202 Ivon street, between East Thirty-ninth and East Forty-first streets. Elsie F. Anderson.

Ordinance No. 51938. Two-story frame apartment building at 933 Pacific street, between East Thirtieth and East Thirty-first streets. C. O. Johnson.

Ordinance No. 51940. South unit and the auditorium of U. S. Grant High School, to be used exclusively for educational purposes, situated on tract north of U. S. Grant place and west of East Thirty-sixth street. School District No. 1.

Ordinance No. 51968. To decorate Washington street from Broadway to Tenth street, from April 25 to April 30, inclusive. Division 757 Amalgamated Association of Street and Electric Railway Employes of America.

Ordinance No. 51977. Free use of Public Auditorium on May 30, 1927. Department of Oregon G. A. R.

Ordinance No. 51997. Two-story concrete apartment building at 532 Powell street, between Milwaukie and Twelfth streets. W. H. Raabe.

Ordinance No. 51998. Frame cooling tower on the roof of building located at 61 North Park street, between Davis and Everett streets. Modern Dairy Company.

Ordinance No. 52045. Two-story frame store and apartment building at 270-272½ Williams avenue. Ben Stern.

Ordinance No. 52046. Two-story frame store, office and apartment

building at 6230 Foster road, between East Sixty-second and East Sixty-thrid streets. Mary Noble.

Ordinance No. 52047. One-story frame residence on Buchanan street, between South Kellogg and South Jersey streets. C. R. Owen.

Ordinance No. 52050. School and gymnasium to be used exclusively for educational purposes on lots 3, 4, 5, 16, 17 and 18, block 2, Irvington. George F. Thompson.

Ordinance No. 52071. Move two-story frame flat building from Eleventh street, between Main and Jefferson streets, to Thirteenth street, between Salmon and Main streets. Lincoln Realty Company.

Ordinance No. 52090. Move one-story frame residence at 147 East Third street North, between East Glisan and East Irving street. Frank Gloss.

Ordinance No. 52092. Two-story, fireproof building to be used exclusively for educational purposes on blocks 7 and 8, Riverside Addition. School District No. 1.

Ordinance No. 52093. Place ticket booths on certain street corners in City of Portland for a period of one week and for permission to sell tickets therefrom. Over-the-Top Post, No. 81, Department of Oregon, Veterans of Foreign Wars of the United States.

Ordinance No. 52094. Addition to Mills' Open Air School, situated at the southwest corner of East Stark and East Sixtieth streets, to be used exclusively for educational purposes. School District No. 1.

Ordinance No. 52095. Tent at corner of East Thirteenth and Skidmore streets to be used for religious purposes for a period not exceeding three weeks, commencing May 5, 1927. German Church of God.

Ordinance No. 52096. Exemption from provisions of the Housing Code in connection with basement apartments in the apartment house known as 775 Glisan street. Mimo Percy.

Ordinance No. 52107. Permit to exhibit in the City of Portland the Production "Passaic Textile Strike". Catherine Eastham.

Ordinance No. 52133. Two-story frame residence at 330 Harrison street, between Sixth street and Broadway. J. Manashe.

Ordinance No. 52141. To conduct tea room at residence situated on County road No. 405. Alice Mulford Milne.

Ordinance No. 52178. Two-story apartment building at 580 Hancock street, between East Fourteenth and East Fifteenth streets. L. E. Crawford.

Ordinance No. 52183. Two-story frame apartment building at 830 Sandy boulevard, between Randall and Lawrence streets. Sarah A. Yoder.

Ordinance No. 52187. To operate an auto passenger terminal in the National Portland Garage, 209 Fifth street. National Portland Garages, Inc.

Ordinance No. 52188. Establish a stag eterminal on the property situated on the southwest corner of Eleventh and Yamhill streets, being on lots 1 and 2, block 259. A. G. Dunnigan.

Ordinance No. 52189. To erect a fireproof building by remodeling the playshed of the Richmond School into a gymnasium to be used exclusively for educational purposes on lots 1 to 8, inclusive, block 2, Seigner Park Addition, and tax lots 79 and 80, section 6, T1S, R2E, Portland. School District No. 1.

Ordinance No. 52229. Erect a 12-story, reinforced concrete, fireproof office building on East Morrison street. Crystal Ice & Storage Company.

Ordinance No. 52231. To sell and vend festival paraphernalia during Rose Festival, 1927. Rose Festival Association.

Ordinance No. 52237. To hold an outdoor show and employ Levitt, Brown and Huggins Show. Portland Chapter No. 1 of Disabled Veterans of the World War.

Ordinance No. 52241. One-story frame fire station on Vista avenue, between Spring and Elizabeth streets. City of Portland.

Ordinance No. 52254. Two-story frame dwelling at 1237 Moore street, between Jarrett street and Ainsworth avenue. L. W. McDonnell.

Ordinance No. 52255. Two-story frame flat building at 1194 Albina avenue, between Killingsworth avenue and Jessup street. William Tuttle.

Ordinance No. 52256. Two-story frame apartment building at 747 East Madison street, between East Twentieth and East Twenty-third streets. H. F. Kimble.

Ordinance No. 52257. Two-story frame apartment building at 734 Hawthorne avenue, between East Twenty-first and East Twenty-second streets. A. S. Ellis.

Ordinance No. 52261. Two-story frame apartment building on North Twentieth street, between Johnson and Irving streets. S. E. Hendrickson.

Ordinance No. 52289. Erect a four-story, reinforced concrete, fireproof theatre building on Grand avenue, between East Morrison and East Belmont streets. Crystal Ice & Storage Company.

Ordinance No. 52319. Erect a one-story frome dwelling on Fargo street, between East Seventh street and Union avenue. Edgar-Mabyn Company.

Ordinance No. 52320. Two-story frame shop, store and apartment building on East Morrison street, between East Seventh and East Eighth street. Hastorf & Lord, Inc.

Ordinance No. 52323. To discharge firecrackers in designated places in City during two days of the Rose Festival. Rose Festival Association.

Ordinance No. 52324. To hold parades on the streets. Portland Rose Festival, Inc.

Ordinance No. 52325. To conduct convalescent home at 415 West Park street. Catherine C. Mathiot.

Ordinance No. 52326. To reroute certain street cars. Portland Electric Power Company.

Ordinance No. 52356. To install portable booths for free distribution of roses to the public from June 13 to June 18, 1927. Women's Advertising Club.

Ordinance No. 52398. To construct on lot 1, block 8, Piedmont Addition, building located at northwest corner of Killingsworth avenue and Vancouver avenue, a portion of said building to be located between the present sidewalk and the property line of Vancouver avenue. Geo. B. Fox.

Ordinance No. 52400. Maintain a rockery to the curb line adjacent

of lots 6 and 7, block 17, Westover Terraces, on Ariel Terrace. Dr. Ira E. Gaston.

Ordinance No. 52401. To maintain a rockery to the curb line adjacent to lots 8 and 9, block 17, Westover Terraces, on Ariel Terrace. R. C. Clapp.

Ordinances No. 52403. Two-story frame apartment building on 695 Flanders street, between Twenty-first and Twenty-second street. S. E. Henderson.

Ordinance No. 52404. Two-story frame dwelling on 1604 Towner avenue, near Westwood avenue, with a 10-foot rear yard. Mrs. B. E. Davis.

Ordinance No. 52405. Three-pole tent on lots 1 to 5, inclusive, block 2, Perren. N. S. Miller and C. B. Clark.

Ordinance No. 52412. Erect a four-story masonry hotel building at 248 Eleventh street, between Main and Jefferson streets. Lincoln Realty Company.

Ordinance No. 52434. Remove house from lot 1, block 5, Sandy Road Place, acquired by the City for extending East Glisan street. J. W. O'Brien.

Ordinance No. 52457. Three-story, Class VI hotel building at 229-to 230 Jefferson street, between First and Second street. Rose Ardis.

Ordinance No. 52458. Erect two-story, Class VI, masonry apartment building on East Morrison street, between East Seventh and East Eighth streets. Hastorf & Lord, Inc.

Ordinance No. 52472. Two-story store and apartment building on Powell street, between Milwaukie and East Twelfth streets. W. H. Raabe.

Ordinance No. 52473. Two-story frame dwelling on Texas street, between Virginia and Corbett streets, with a ten-foot rear yard. Mrs. T. J. Schmidt.

Ordinance No. 52485. Erect church to be used exclusively for religious purposes on lots 1 and 2, block 7, Albina Homestead. C. J. Wagner.

Ordinance No. 52518. Three-story frame apartment building at 346 College street, between Broadway and Park street. Geo. B. Thomas.

Ordinance No. 52524. Hold parade on streets on July 14, 1927. Progressive Business Men's Club and Portland Baseball Club.

Ordinance No. 52537. Maintain 16-story, Class III, fireproof, steel frame store and office building on Sixth street, between Taylor and Salmon streets, with plate glass windows in the east wall above sixth story. Frank A. Reid.

Ordinance No. 52538. Construct low concrete retaining wall on westerly side of alley between Ridgewood avenue and Stuart drive, adjacent to lot 2, block 10, Alameda Park, between the existing stairway and the westerly line of said alley. Dr. Raymond S. Watkins.

Ordinance No. 52545. Two-story frame rooming house at 84 East Sixteenth street, between East Washington street and East Stark street. Mrs. May Pangborn.

Ordinance No. 52564. Two-story frame dwelling at 225 Arthur street, between First and Second streets. D. LaGrand.

Ordinance No. 52589. Construct drinking fountain at southeast

corner of Foster road and Sixty-third street Southeast. William F. Woodward.

Ordinance No. 52600. Two-story frame dwelling at 225 Arthur street, between First and Second streets, on west half of lots 3 and 4, in block 60, Caruthers Addition to Caruthers Addition, with a wood marquise projecting 4 feet over sidewalk. D. LaGrande.

Ordinance No. 52601. Elevated loading platform on the west side of Third street, between East Madison street and Hawthorne avenue. The Reed Institute.

Ordinance No. 52602. To construct concrete retaining wall along westerly side of Sherwood drive, adjacent to east half of lot 15, block E, Greenway. Arthur M. Churchill.

Ordinance No. 52603. One-story dwelling on East Harrison street. W. P. Fisher.

Ordinance No. 52605. Apartment building on Irving street. S. E. Henderson.

Ordinance No. 52624. Two-story frame building at 1400 Hawthorne avenue, between East Fiftieth street and East Fifty-first street. Joseph T. Peters.

Ordinance No. 52627. Erect five-story, fireproof, steel frame store building on Fifth street, between Morrison and Alder streets. S. H. Kress & Company.

Ordinance No. 52705. Closing of Clay street from Second street, extending 160 feet wast, from Aug. 1, 1927, to Aug. 16, 1927, to be used in connection with annual convention of Pacific Coast Fire Chiefs, Oregon State Fire Chiefs and International Fire Chiefs.

Ordinance No. 52713. Transportation of fuel and supplies on Terwilliger boulevard. United States Veteran Bureau.

Ordinance No. 52716. Construct dwelling within 200 feet of Terwilliger boulevard. L. O. Ralston.

Ordinance No. 52722. Three-story frame store and apartment building at 840 Sandy boulevard, between Randal and East Twenty-eighth street North. Jas. A. Morris.

Ordinance No. 52723. Move two-story frame dwelling at 581 Sandy road, between East Fourteenth and East Fifteenth streets. W. H. Burrage.

Ordinance No. 52727. Install three heating appliances for demonstration purposes on Tenth street, between Yamhill and Taylor streets, without a fireproof enclosure. Domestic Electric Company.

Ordinance No. 52764. To conduct evangelistic meetings in a tent at corner of East Sixteenth street and Miller avenue. John Bruce.

Ordinance No. 52779. Install four light standards around Masonic Temple. Masonic Temple Association.

Ordinance No. 52782. Two-story frame dwelling at 487 East Thirty-seventh street, between Division and Clinton streets. Ludwig E. Hoffman.

Ordinance No. 52789. Use of 100 feet of McMillan street, corner Williams avenue, for a barbecue, carnival and dance, August 15, 1927. Rose City Lodge, No. 111, Elks (colored).

Ordinance No. 52828. West Coast Theatres, Inc. to hold parade on streets, Aug. 19, 1927. West Coast Theatres, Inc.

Ordinance No. 52842. Two-story frame store and apartment build-

ing at 752-754 Sandy boulevard, between East Twenty-second and East Twenty-fourth streets. I. T. Howitt.

Ordinance No. 52843. One-story frame bungalow court at 420 Fargo street, between Union avenue and East Seventh street. A. H. Ackerson & Company.

Ordinance No. 52852. Erect tent for period of five weeks for religious services at corner of Chicago and Leonard streets. Wesleyan Methodist Church.

Ordinance No. 52855. Maintain gift shop and tea room in dwelling at 773 East Twenty-second street North, for six months. Rachel Mary Clark.

Ordinance No. 52856. Erect church on west half of lots 12 and 13, block 74, Sellwood. Ed Bittner.

Ordinance No. 52857. Erect church on lots 23 and 24, block 14, Burrage tract. W. H. Burrage.

Ordinance No. 52858. Two-story, fireproof building on tax lot 19, section 2, T1N, R1W, situated on north side of St. Helens road, just south of Linnton. School District No. 1.

Ordinance No. 52895. Closing of Eighth street from north line of Davis street to south line of Everett street, August 20, 1927.

Ordinance No. 52901. Erect archway across Montgomery place at northerly line of Montgomery drive with sign. Miss Mary S. Failing and Isidor Koshland.

Ordinance No. 52918. Three-story frame store and hotel building at 152 Grand avenue, between East Morrison and Belmont streets. E. R. Steen.

Ordinance No. 52919. Two-story, Class VI store and apartment building at 741 Powell street, between East Twenty-second street and East Twenty-third street. H. W. Truscott.

Ordinance No. 52920. One-story frame dwelling at 733 Georgian Court, between Patton road and Vista avenue. Sidney Bell.

Ordinance No. 52921. Construct overhead steam pipe crossing Hull street, near westerly line of Front street. Rosenberg Bros. & Co.

Ordinance No. 52925. Sustaining order of condemnation of building at northwest corner of Broadway and Washington street, authorizing issuance of permit for construction of new building. Honeyman Investment Co. and Oregon-Washington Railway & Navigation Co.

Ordinance No. 52971½. One-story frame bungalow court at 561 Weidler street, between East Thirteenth and East Fourteenth streets, with a 10-foot rear yard. John Randsep.

Ordinance No. 52982. Tent for religious services from August 28 to September 30, 1927, at northeast corner of Hodge and Lombard streets. Church of God.

Ordinance No. 52983. Loading platform on west side of East Third street, extending from south line of East Madison street to a point 100 feet south thereof. Reed Institute.

Ordinance No. 53015. Reconstruct dwelling situated on lots 1 and 2, block 3, Linn's Addition, on northeast corner of East Thirty-eighth street and East Stephens street, from single family dwelling to duplex house. Charles Gates.

Ordinance No. 53025. Three-story frame apartment building at 454 South Broadway, between College and Jackson streets. Benita A. Thompson.

Ordinance No. 53041. Use Burlington street, between Ivanhoe and Jersey streets, for street dance on Friday evening, September 16, 1927. Peninsual Post No. 1453, Veterans of Foreign Wars and St. Johns Community Band.

Ordinance No. 53045. Two-story frame apartment building on Belmont street, between East Twenty-ninth and East Thirtieth streets. O. J. Gatzmeyer.

Ordinance No. 53046. Nine-story, Class III apartment building on Washington street, between Gambrinus street and Maywood drive. "The Claremont."

Ordinance No. 53047. Two-story frame apartment building at 1004 Hawthorne avenue, between East Thirty-third and East Thirty-fourth streets. Albert Schmidt.

Ordinance No. 53078. School building to be used exclusively for educational purposes on lots 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, block 1, Irvington. Archdiocese of Oregon City.

Ordinance No. 53103. One-story frame bungalow court at Weidler street, between East Thirteenth and Fourteenth streets. John Randsep.

Ordinance No. 53129. Ornamental fence one foot from present sidewalks surrounding southerly portion of block bounded by Montgomery street, Hall street, Thirteenth and Fourteenth streets. Trustees of St. Helen's Hall.

Ordinance No. 53133. To use equipment and personnel for moving pictures. Chief of Police.

Ordinance No. 53139. Dry rock wall projecting 2½ feet in the street area of Elizabeth street, immediately west of Sixteenth street and adjacent to south half of lots 1 and 2, block 101, Grover's Addition. Mina E. Brown.

Ordinance No. 53142. Remodel dwelling situated on lot 14, block 2, Wiberg Heights and convert same into apartments or flats without materially altering exterior appearance thereof. H. B. Volheim.

Ordinance No. 53141. Remodel dwelling situated on lot 16, block 9, Broadway Addition, and convert same into apartments or flats. Laura M. Mock.

Ordinance No. 53143. Move one-story frame dwelling at 809 North Jersey street, between Collin street and St. Johns avenue. G. B. Darowish.

Ordinance No. 53144. Erect one-story, concrete building on rear of lot at 460 East Eleventh street, between Caruthers and Division streets. Joe Facio.

Ordinance No. 53145. Construct arcaded portion of their building projecting into street area at prescribed distance from the face of the proposed new curb on East Burnside street, between East Seventh street and East Eighth street. Washington Masonic Building Association.

Ordinance No. 53184. Permit for 30 days to operate Highway Theatre at Fifty-first and Sandy boulevard as a dramatic stock theatre. Highland Theatre Corporation.

Ordinance No. 53186. Erect frame addition to grain elevator on

Hancock street, between River street and the harbor line. Balfour, Guthrie & Co.

Ordinance No. 53195. To connect roof drains of building located on lot 6, block 130, Hawthorne Park, to gutter. J. Olsen.

Ordinance No. 53206. Four bay windows and cornice on building located at southeast corner of Grand avenue and East Burnside street, projecting prescribed distance beyond face of the proposed new curb on East Burnside street. Daniel Kern.

Ordinance No. 53207. Two-story frame store and flat building at 111 East Twenty-second street North, with ten-foot rear yard. Carl Hummell.

Ordinance No. 53268. Erect one-story frame bungalow court at 1451 Corbett street, between Nebraska and Dakota streets. Anna Guiver.

Ordinance No. 53269. One-story frame apartment building at 567 Powell street, between Mary and East Seventeenth streets. Mrs. M. J. Walker.

Ordinance No. 53270. One-story frame dwelling at 603 Elliott avenue, between Ladd avenue and Maple street. Ray A. Dean.

Ordinance No. 53272. Erect two-story, fireproof building to be used for educational purposes to be known as "Williams School", on blocks 7, 10 and 11, and vacated portions of John street and Kellogg street, lying between blocks 7,10 and 11, all in P. T. Smith's Addition. School District No. 1.

Ordinance No. 53273. Erect two-story, fireproof addition to present Kenton School building to consist of auditorium and gymnasium, to be used exclusively for educational purposes on blocks 13 and 14 and vacated portions of Greenwich street, lying between blocks 13 and 14, Kenton Addition. School District No. 1.

Ordinance No. 53292. Erect cooling tower on roof of building at 123-125 First street. Brandes Creamery.

Ordinance No. 53293. Erect three-story frame cold storage plant at foot of Twenty-fourth street extended. Oregon Terminals Co.

Ordinance No. 53314. Construct metal canopy over southerly 20 feet of alley south of Fremont street, between Vancouver avenue and Williams avenue. Log Cabin Baking Company.

Ordinance No. 53319. Maintain two houses located on lot 4, block 156, East Portland, projecting a slight amount into street area of East Burnside street, between East Seventh and East Eighth streets. F. H. Page.

Ordinance No. 53320. Maintain two bay windows and the fire escape as at present constructed projecting prescribed distance from the face of the proposed new curb on East Burnside street, between East Seventh and East Eighth streets. Page Investment Company.

Ordinance No. 53349. Permit to cover passageway at rear of two-story apartment building located at 386 Third street, with no rear yard. The Montgomery Investment Co.

Ordinance No. 53368. To hold parade in City of Portland. Musician's Mutual Association.

Ordinance No. 53372. To alter frame apartment building at 786 Johnson street. A. B. Johnson.

Ordinance No. 53404. Erect one-story frame tabernacle on Sixty-

seventh street Southeast, between Fiftieth avenue Southeast and Foster road. Bulgin Evangelistic Party.

Ordinance No. 53407. Maintain greenhouse projecting not to exceed four feet into Pardee street between East Fortieth street and a line 270 feet east thereof. J. I. Robinson.

Ordinance No. 53409. Two-story frame apartment building at 454 Hall street, between Twelfth and Thirteenth streets. G. H. Kann.

Ordinance No. 53410. Erect two-story frame mulitple dwelling at 387 Cardinal Drive, between Twelfth street and Cardinal Drive. J. L. Easson.

Ordinance No. 53438. Two-story frame apartment building at 786 Johnson street, between Twenty-third and Twenty-fourth streets. A. B. Johnson.

Ordinance No. 53447. To hold parade. Military, Veteran and Civic Bodies.

Ordinance No. 53476. Construct elevated loading platform on the westerly side of Fifteenth street from north line of Raleigh street to point 100 feet north thereof. Scott Company.

Ordinance No. 53478. Erect one-story frame bungalow court at 116 Humboldt street, between Albina and Mississippi avenues. Grace Young.

Ordinance No. 53490. Close Stark street, between Sixth street and Broadway, between hours of 9 a. m. and 12 noon on Friday, November 11, 1927. Armistice Day. Bureau of Police.

Ordinance No. 53523. Erect metal and concrete marquise at 146 Grand avenue. Crystal Ice & Storage Company.

Ordinance No. 53542. Operate Highway Theatre at East Fifty-first street and Sandy boulevard as dramatic stock theatre with its present equipment. Highway Theatre Corporation.

Ordinance No. 53558. Drill well in sidewalk area at southwest corner of First and Alder streets to be located along the westerly side of First street, thirty feet south of the south line of Alder street. Alder Market.

Ordinance No. 53616. To pile lumber on blocks 8, 10 and 11, McKinley Park; blocks 7, 8 and 9, Mt. Scott Acres, and tax lots 11 and 12, section 21, 1S, 2E, all located within corporate limits of the City of Portland. Southeast Portland Lumber Company.

Ordinance No. 53627. Hold comic parade in City of Portland Friday, December 2, and Saturday, December 3, 1927. Women's Auxiliary of Elks.

Ordinance No. 53629. Alter and use building at 203 Vine street for dormitory purposes. Pacific Protective Society.

GEO. R. FUNK,
AUDITOR OF THE CITY OF PORTLAND.

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