

CITY OF PORTLAND
OREGON

MAYOR'S MESSAGE

AND

MUNICIPAL REPORTS

FOR THE

FISCAL YEAR ENDING
DECEMBER 31

18.96

PORTLAND, OREGON
MULTNOMAH PRINTING COMPANY
1897

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CITY OFFICERS—Continued

Deputy Superintendent of Streets.....George Bodman
Draughtsman.....A. Reuter
Deputy Surveyor.....George Scroggin
Deputy Surveyor.....B. Fallows
Inspector of Plumbing and Drainage.....J. H. Morrow
Harbor Policeman.....H. J. McInnis
Poundmaster.....John Foster
Park Keeper.....W. G. Wallace

COMMON COUNCIL

President of the Council.....W. H. Mead
First Ward.....M. L. Nicholas
Second Ward.....John A. Martin
Third Ward.....W. H. Mead
Fourth Ward.....Dr. G. H. Strowbridge
Fifth Ward.....L. D. Cole
Sixth Ward.....J. M. Nickum
Seventh Ward.....T. C. Malone
Eighth Ward.....J. McBrien
Ninth Ward.....S. L. Woodward
Tenth Ward.....L. T. Peery
Eleventh Ward.....W. E. Spurrier

STANDING COMMITTEES OF THE COMMON COUNCIL

WAYS AND MEANS.

Meets Monday, Council Week.

L. T. Peery Geo. H. Strowbridge S. L. Woodward

ACCOUNTS AND CURRENT EXPENSES.

Meets Tuesday, Council Week.

W. H. Mead W. E. Spurrier S. L. Woodward

STREET CLEANING AND SPRINKLING.

Meets Thursday preceding Council Week.

Geo. H. Strowbridge J. A. Martin T. C. Malone
W. H. Mead J. M. Nickum

STREETS.

Meets Saturday preceding Council Week.

S. L. Woodward T. C. Malone J. A. Martin
L. T. Peery M. L. Nicholas

SEWERS AND DRAINAGE.

Meets Friday preceding Council Week.

T. C. Malone J. McBrien J. M. Nickum
L. D. Cole W. E. Spurrier

PARKS AND PUBLIC PROPERTY.

Meets Wednesday preceding Council Week.

J. A. Martin S. L. Woodward L. D. Cole

HEALTH AND POLICE.

Meets Saturday preceding Council Week.

J. A. Martin Geo. H. Strowbridge L. T. Peery

STANDING COMMITTEES—Continued

JUDICIARY AND ELECTIONS.

Meets Monday, Council Week.

L. D. Cole Geo. H. Strowbridge J. McBrien

COMMERCE, LANDING AND WHARVES.

Meets Tuesday preceding Council Week.

J. M. Nickum M. L. Nicholas J. McBrien

WATER.

Meets Tuesday, Council Week.

J. McBrien L. T. Peery J. M. Nickum

LICENSES.

Meets Tuesday, Council Week.

M. L. Nicholas W. H. Mead W. E. Spurrier

STREET LIGHTING.

No Regular day of Meeting.

W. E. Spurrier T. C. Malone L. D. Cole
W. H. Mead M. L. Nicholas

Regular meetings of Common Council on first and third Wednesdays in each month. The Common Council and all Committees meet at 2 o'clock, P. M.

REGULAR MEETINGS OF THE COMMON COUNCIL

First and Third Wednesdays of Each Month

at 2 o'clock P. M.

COMMITTEE MEETINGS

COUNCIL WEEK.

Monday.....Ways and Means
Monday.....Judiciary and Elections
Tuesday.....License
Tuesday.....Street Lighting
Tuesday.....Accounts and Current Expenses

WEEK BEFORE COUNCIL MEETING.

Tuesday.....Commerce, Landings and Wharves
Wednesday.....Parks and Public Property
Thursday.....Street Cleaning and Sprinkling
Friday.....Sewers and Drainage
Saturday.....Streets
Saturday.....Health and Police

Committees meet at 2 P. M.

HEALTH DEPARTMENT

Board of Health.....
.....S. Pennoyer, Mayor
.....John Myers, Chief of Police
.....J. A. Martin, Councilman
.....Dr. R. L. Gillespie, City Physician
.....D. J. Beakey, Health Officer

POLICE DEPARTMENT

Board of Police Commissioners }
.....Napoleon Davis
.....B. S. Reilly
.....F. A. Watts
President.....N. Davis
Secretary.....C. Kroener
Municipal Judge.....Alex. Sweek
Chief of Police.....John Myers
Captains of Police.....
.....J. L. Sperry
.....P. J. Barry
.....J. W. Stepelton
Clerk of Police Department.....M. J. Clohessy
License Officer.....S. M. Riggen
Humane Officer.....J. C. Miller

BOARD OF FIRE COMMISSIONERS

JOHN MONTAG, President.

ROBERT GLEN

JOHN WELCH

OFFICERS:

T. DeBoest.....Chief Engineer
Harry Gurr.....Assistant Engineer
(District East Side.)
James Kiernan.....District Engineer
(District North of Morrison Street.)
Ed. Thayer.....District Engineer
(District South of Morrison Street.)
R. G. Paddock.....Superintendent Fire Alarm

Office of the Board of Fire Commissioners:
CITY HALL.

GEORGE L. CURRY, Secretary.

Regular meeting of the Fire Commissioners, fifth day of every month. Office, City Hall.

FIREMAN'S MUTUAL RELIEF ASSOCIATION

Organized May 9, 1883

OFFICERS

JOHN MONTAG, President. JOHN WELCH, Treasurer.
GEORGE L. CURRY, Secretary.

BOARD OF DIRECTORS

JOHN MONTAG, ROBT. GLEN, JOHN WELCH,
T. DeBOEST, GEORGE L. CURRY.

EXECUTIVE COMMITTEE

Chief Engineer and Assistant Engineers.

Meetings are held the fifth of each month
at office of Board of Fire Commissioners, City Hall.

WATER COMMITTEE

H. W. Corbett, C. H. Raffety, L. Therkelsen,
W. M. Ladd, H. W. Scott, Henry Failing,
R. B. Knapp, H. S. Rowe, L. A. Lewis,
R. D. Inman, S. E. Josephi, C. H. Carey,
J. N. Teal, J. Loewenberg, C. A. Dolph,
C. H. Hill.

HENRY FAILING, Chairman.

L. A. LEWIS, Treasurer.

FRANK T. DODGE, Clerk.

SUB-COMMITTEE ON CONSTRUCTION.

C. A. Dolph, Henry Failing,
J. Loewenberg, L. Therkelsen,
J. N. Teal.

SUB-COMMITTEE ON WATER WORKS.

Henry Failing, Chairman.
C. H. Raffety, W. M. Ladd.
Frank T. Dodge, Assistant Superintendent and Accountant.
D. D. Clarke, Assistant Engineer.

Regular monthly meeting of the Water Committee on the third
Tuesday of each month.

Mayor's Annual Message

Mayor's Office,
Portland, Oregon, January 6, 1897.

Gentlemen of the Portland Common Council:

The adverse conditions which have prevailed in our city and country for the past five years still exist. The efforts put forth to restore the broad basis of the financial policy contemplated by the constitution, which alone can restore our former-time prosperity, were unavailing, and, as there is to be no change of policy it is not reasonable to expect a change of conditions. It devolves upon us therefore, to adapt ourselves as best we may to the existing untoward circumstances, and to conduct the municipal administration, as individuals are forced to conduct their private affairs, by a most rigid economy, if not niggardliness, which the people of this country were never forced to observe until they experienced the result of a recently adopted financial policy which threatens bankruptcy to both the government and the people.

By reference to figures which follow it will be seen that there has been for the last three years a marked retrenchment of expenditures, except in the two items of interest on our bonded indebtedness and charges for electric lighting. In this connection it is perhaps most fitting to pay a tribute of respect to our late mayor—George P. Frank—who labored earnestly to reduce expenditures to conform to existing conditions, as the statistics of the two years of his administration fully demonstrate.

Comparative statement of receipts and expenditures, 1895 and 1896:

RECEIPTS.		
Account:	1896.	1895.
Taxes	\$264,327.44	\$385,838.33
Taxes, delinquent	17,846.20	9,881.72
General licenses	131,975.70	146,591.60
Municipal court	5,240.90	8,769.40
Miscellaneous sources	15,108.09	12,332.59
	<hr/>	<hr/>
	\$429,498.33	\$563,413.64

General expenditures	\$531,398.50	\$568,946.79
Excess of expenditures.....	\$101,900.17	\$ 5,533.15
Warrants outstanding:		
January 1, 1895.....		\$110,972.62
January 1, 1896.....		150,871.57
January 1, 1897.....		240,330.07
Cash on hand:		
January 1, 1895.....	\$ 35,243.62	
January 1, 1896.....	78,660.60	
January 1, 1897.....	66,438.20	
Delinquent taxes:		
January 1, 1894—Levy 1893.....	\$ 36,396.45	
January 1, 1895—Levy 1894.....	38,712.17	
January 1, 1896—Levy 1895.....	91,051.87	
January 1, 1897—Levy 1896.....	80,220.93	

Of the \$166,160.49 delinquent taxes previous to 1896, the sum of \$29,819.49 has been collected, leaving a net delinquency for 1893-4-5 of \$136,241, to which add delinquent taxes for 1896, making a total of \$216,461.93. The large delinquency January 1, 1896, is mainly due to an injunction suit now pending in the courts. It is a stigma on our institutions when any selfish person can use the courts of the state in preventing a municipality from collecting revenue to pay its lawful debts.

City expenditures decreased:

In 1895.....	\$ 2,497.49
In 1896.....	37,548.20

In 1896 there was paid in interest \$53,296.14 more than in 1895, showing an actual reduction in other expenses over the previous year of \$90,844.43.

TABLE SHOWING EXPENDITURES FROM FUNDS NAMED FOR THE PAST SEVEN YEARS.

Year	General Fund	Fire Department Fund	Police Fund	Street Cleaning and Sprink'g Fund	Street Lighting Fund	Interest (Not including Water Bonds)
1890*..	\$108,182.00	\$115,672.08	\$ 62,173.68	\$ 49,473.33	\$ 27,848.55	\$ 14,515.00
1891...	142,923.37	124,644.65	85,490.53	68,816.00	40,018.81	28,465.00
1892...	176,434.94	141,915.35	107,703.11	49,065.48	67,663.57	36,487.25
1893...	172,683.09	150,558.09	119,196.43	61,921.40	75,007.89	47,822.99
1894...	186,504.24	132,777.66	103,993.62	53,462.75	83,490.83	62,374.03
1895...	188,054.07	99,584.07	86,318.33	47,370.80	81,098.71	66,464.56
1896...	133,199.44	100,001.69	71,318.94	30,158.40	75,706.23	119,760.70

* The year before consolidation.

The aggregate of these funds for each year is as follows:

In 1890.....	\$377,864.64
In 1891.....	490,358.36
In 1892.....	579,269.70
In 1893.....	627,189.89
In 1894.....	622,604.13
In 1895.....	568,790.81
In 1896.....	530,145.40

From these figures it will be seen that the expenses of 1896 are reduced to very nearly those of 1890, the year before consolidation, other than the expenses for electric lighting and interest on the bonded debt. Notwithstanding this retrenching and reduction of general expenditures, the city government, like the federal government, and like the great mass of our people, is running behind hand. The floating indebtedness, less cash in the treasury, was on January 1, 1895, \$73,895.16; on January 1, 1896, \$72,204.97, and on January 1, 1897, \$173,894.87. During the year 1896, the city has reduced expenses, in spite of the increased burden of interest on the bonded debt, \$37,548.29, while at the same time the floating indebtedness has been increased \$89,461.50. The sum of \$12,887.70 was paid during the past year as interest on warrants. Thus the municipality is forced to the necessity of either still further reducing expenditures, which, in the main, can only be done by crippling the efficiency of municipal administration, or of increasing the

burden of taxation. It might, however, avoid either of these alternatives by following the example of the present federal administration in borrowing more money, but that scheme is as faulty as is the financial policy that forced it, since it only temporarily postpones the augmented burdens of a final settlement. The proper way out of the difficulty, since but very little more reduction of municipal expenditures can be made and keep the government in operation, is to increase the rate of taxation so as to liquidate all floating indebtedness, and pay up as we go along. But here another difficulty is reached. The people are really unable to stand the burden already imposed. On January 1, 1897, as before shown, taxes due the city in the sum of \$216,461.93 were unpaid.

I must frankly confess that I can see no way out of the dilemma in which both the people and the government are placed but through a return to our constitutional financial system, which alone can secure a return to prosperity, but which for the past five years has been ignored, and which five years have been years of disaster. At this time, when the people are deprived of their business and their incomes, and when their homes are being sold for taxes, to increase taxation appears to be somewhat in the nature of a crime.

DISPOSAL OF GARBAGE.

The proper disposal of the city garbage was a most serious question transmitted to us from the previous city administration. The city had erected an imperfect crematory on a most inconvenient site, and a monthly expenditure of over \$1,000 was necessary in order to operate the plant. A change had to be made in order to effect a retrenchment of expenditures. The site purchased by the council for a new crematory, taking everything into consideration, was the best and cheapest offered, and the action of the health and police committee in recommending the erection of the Dixon crematory is fully justified for the reason that a first-class Dixon plant is cheaper than a first-class Engle plant, and for the further and better reason that its arrangement is well calculated to secure the burning of the city garbage free from foul and offensive odors to quite as great if not a full greater extent than the Engle. When completed and in operation, a saving of over \$600 monthly to the city will have been effected.

POLICE AND FIRE DEPARTMENTS.

These two departments are reducing expenses and are performing efficient service.

STREETS.

The condition of some of our principal streets has been very greatly improved during the past year. The citizens of Portland who have thus pushed these improvements during the present dull times are really entitled to great credit. I would suggest that steps be taken under the provisions of section 124 of the City Charter, to secure the repair of Front and Second streets by relaying the Belgian blocks to the established grade. The expense would be small and the benefit great and when the work is completed, the main business streets of Portland will all be in fair condition.

CITY HALL.

The people are now paying annually the sum of \$33,750 interest on the City Hall bonds, which is, in fact, the same as paying \$2,813 rent per month for the use of the building. Its cost, including the ground, was \$675,000, and the building and ground would be very dear at half the money. It was constructed by a commission responsible to nobody and it is satisfactory to nobody. Of most ungainly architectural appearance on the outside and inconvenient arrangement on the inside, built of discolored stone imported from abroad and inferior in quality and appearance to stone within a few miles of the city, thereby preventing fair competition and about doubling the cost of the structure, and then set down below grade and shoved into a hillside, preventing good basement ventilation, it is not only most expensive, unseemly and unhealthful but it affords also a standing warning of the folly of creating irresponsible commissions to do what responsible bodies would do much better. The heating and lighting of the city hall is now done by contract at an expense of about \$5,000 per year. By purchasing a dynamo the city could do this work itself, thereby saving fully one-half of such expense. This I recommend should be done.

THE WATER COMMITTEE.

Our bond debt, exclusive of water bonds, is.....	\$2,022,070.95
Water bonds.....	2,900,000.00
Total	\$4,922,070.95
The annual interest on other than water bonds is.....	\$104,600
The annual interest on water bonds is.....	145,000
Total	\$249,600

This is indeed a heavy burden to be borne by our people. In the main this burden was imposed through the instrumentality of irresponsible commissions. The city government is now paying the interest on \$250,000 bonds issued for building up the water system of East Portland, while the water committee receives the revenue from such system. This is most manifestly unjust, and yet that committee, whose existence is prolonged in plain and open defiance of law, while shirking the payment of interest on these bonds, is now sending in monthly bills to the city auditor for water used by the city, which bills, however, are not and ought not to be paid. The evidences of its profligate expenditures are many and repeated, and the legislative assembly of Oregon should repeal the law creating such committee and turn the control of the water works over to officers who are responsible to the people for its proper and frugal management.

CITY LIGHTING.

The lighting of the city now costs over \$80,000 a year, which is about double of what it ought to cost. We are now paying \$103.44 per year each for arc lights and \$20.64 per year for incandescent. The city authorities of Youngstown, Ohio, Evansville, Indiana, and Springfield, Illinois, gathered statistics from over seventy-five cities doing their own electric lighting, and from these statistics it is shown that the average price of lighting cities where they own their own plants is \$62.50 per year for arc lights and \$6.50 per year for incandescent lights on an all-night schedule, and \$52 per year for arc lights and \$5.70 per year for incandescent lights on a moonlight schedule. Portland has now 652 arc lights and 681 incandescent lights. The following tables will show the difference in the cost of lighting between Portland and cities doing their own lighting:

Portland lighting:

652 arc lights, \$103.44 per annum.....	\$67,442
681 incandescent lights, \$20.70 per annum.....	14,096—\$81,538

Average price of lights in seventy-five cities doing their own lighting:

All night schedule:

652 arc lights, \$62.50 per annum.....	\$40,750
681 incandescent lights, \$6.50 per annum.....	4,426—\$45,176

Moonlight schedule:

652 arc lights, \$52 per annum.....	\$33,904
681 incandescent lights, \$5.70 per annum.....	3,841—\$37,745

It will thus be seen that if a moonlight schedule be adopted, and that is really the only schedule that should be adopted, as it is the very height of folly in these dull times for Portland to pay for electric lighting in rivalry of moonlight. Portland is paying more than twice what it ought to pay for city lighting. The electric light company, in consideration of the fact that we allow it to use poles to the great disfigurement of our streets, instead of compelling it to bury its wires, and in the further consideration of the fact that it has street privileges for the purpose of using its lights for commercial purposes, ought, in return, to do the city lighting at a figure somewhat near what the experience of other cities demonstrates to be just and fair. It is the only bidder, and may insist on its own price, but it takes two to make a bargain, and, at this time, which demands the strictest economy, no contract should be made that is detrimental to the city's interest. It would be better, if necessary, to go backward to coal oil than to go forward to bankruptcy.

CONCLUSION.

From the statistics now furnished, it will be seen that a most rigid economy is necessary in the administration of municipal affairs, in order, if possible, to lessen the burdens imposed upon our already over-burdened taxpayers. All the efforts which you may make in that direction will meet with my co-operation.

SYLVESTER PENNOYER,
Mayor.

Auditor's Annual Report

For the Year Ending December 31, 1896

GENERAL FUND.

Balance in fund December 31, 1895.....	\$ 45,237.19
Received from:	
Tax roll 1896.....	\$188,805.32
Tax roll 1895.....	1,598.50
Tax roll 1894, delinquent.....	302.21
Tax roll 1893, delinquent.....	164.65
Tax roll 1892, delinquent.....	501.10
Tax roll 1891, delinquent.....	59.94
Tax roll 1890, delinquent.....	71.47
Tax roll 1889, delinquent.....	51.73
Tax roll 1888, delinquent.....	11.08
Tax roll 1887, delinquent.....	73.81
Tax roll 1886, delinquent.....	127.93
Tax roll 1885, delinquent.....	27.67
Tax roll 1884, delinquent.....	6.08
General licenses	113,301.74
Dog licenses	2,488.50
Chief of Police, costs on delinquent street and sewer assessments	1,814.41
Pound Master—fees	528.10
Redemption of property.....	129.96
Rent of offices in new City Hall.....	1,140.00
Sale of wood.....	5.00
Sale of safe.....	50.00
Removal of dead animals.....	2.00
Sale of steamer J. B. Stevens.....	150.00
From Morrison-St. improvement fund warrants..	10,000.00
Amount carried forward.....	\$321,406.20

Amount brought forward.....	\$321,406.20
Chief of Police, amount returned on account of warrant drawn for purchase of property at Chief of Police sale.....	7.99
Transfer from sundry street improvement funds.....	487.29
Transfer from sundry sewer funds.....	673.04
Transfer from East Side water expense fund....	79.80
Transfer from Boiler Inspector's fund.....	13.00
	<u>\$322,667.32</u>
	<u>\$367,904.51</u>

CONTRA.

Transferred to:	
Lamp fund	\$ 89,600.00
Bonded indebtedness interest fund.....	85,327.25
Street extension fund.....	46.23
Police department fund.....	30,500.00
Improvement bond interest fund.....	500.00
Interest paid on warrants.....	5,002.62
Warrants paid and returned to Dec. 31, 1896.....	110,668.03
Balance in fund December 31, 1896.....	46,260.38
	<u>\$367,904.51</u>

ADMITTED CLAIMS PAID BY WARRANTS.

SALARIES.

Mayor and members of Common Council.....	\$ 16,000.00
Auditor's department	9,105.00
City Attorney's department.....	5,700.00
Superintendent of Street's department.....	9,839.72
City Surveyor's department.....	9,400.00
City Treasurer's department.....	4,225.00
Municipal Judge's department.....	4,500.00
City Physician	1,200.00
Pound Master's department.....	3,413.02
Inspector of Plumbing and Drainage department	1,740.00
Harbor Police	550.00
Harbor Master	193.85
Accountant Mayor's office.....	75.00
Salary Boiler Inspector and assistant.....	330.67
Clerk hire in Chief of Police's office.....	128.02
Amount carried forward.....	<u>\$ 66,400.28</u>

STREETS AND PUBLIC PROPERTY.

Amount brought forward.....	\$ 66,400.28
Repairs to streets and bridges.....	\$ 6,482.03
Repairs to sewers and abatement of nuisances..	3,265.76
Care of parks and public grounds.....	8,598.76
Expense City Hall.....	8,857.67
Expense crematory	11,417.50
Imp. of streets in front of public property.....	3,513.91
Purchase of property.....	2,731.83
Repairs to Tanner-creek sewer.....	1,196.50
Site for crematory.....	7,500.00

MISCELLANEOUS.

Stationery and blanks.....	\$ 1,581.97
Advertising	2,218.24
Relief of certain persons.....	1,007.41
Expense of litigation.....	5,116.54
Working prisoners	584.75
Pay of viewers.....	132.00
Miscellaneous expenses	911.22
Construction of building in Sellwood, (Fire Dept.)	599.76
Care of indigent sick.....	503.20
Redemption of property.....	140.41
Printing Mayor's Message and Municipal Reports	342.30
Repairing Harbor Master's buggy.....	47.40
Total warrants drawn to Dec. 31, 1896.....	<u>\$133,199.44</u>
Warrants outstanding, Dec. 31, 1895.....	76,149.22
	<u>\$209,348.66</u>
Warrants paid and returned to Dec. 31, 1896.....	\$110,668.03
Warrants canceled .....	.10
Warrants outstanding Dec. 31, 1896.....	98,680.53
	<u>\$209,348.66</u>

FIRE DEPARTMENT FUND.

Balance in fund December 31, 1895.....	\$	.51
Received from:		
Tax roll, 1896.....	\$	75,522.12
Tax roll, 1895.....		1,225.77
Tax roll, 1894, delinquent.....		397.62
Exempt certificates (9).....		17.50
Sale of horse.....	10.00	\$ 77,173.01
		<u>\$ 77,173.52</u>

CONTRA.

Warrants paid and returned to Dec. 31, 1896....	\$	73,922.84
Interest paid on warrants.....		1,825.48
Balance in fund Dec. 31, 1896.....		1,425.20
		<u>\$ 77,173.52</u>

WARRANTS DRAWN.

General expenses of Fire department.....	\$	100,001.69
Warrants outstanding Dec. 31, 1895.....		7,584.19
		<u>\$107,585.88</u>
Warrants paid and returned to Dec. 31, 1896....	\$	73,922.84
Warrants outstanding Dec. 31, 1896.....		33,663.04
		<u>\$107,585.88</u>

POLICE DEPARTMENT FUND.

Balance in fund Dec. 31, 1895.....	\$	.01
Received from:		
Tax roll, 1895.....	\$	1,103.20
Tax roll, 1894, delinquent.....		254.50
General fund by transfer.....	30,500.00	\$ 31,857.70
		<u>\$ 31,857.71</u>

7301
27.50
455.1

CONTRA.

Warrants paid and returned to Dec. 31, 1896....	\$	29,694.23
Interest paid on warrants.....		1,926.12
Balance in fund Dec. 31, 1896.....		237.36
		<u>\$ 31,857.71</u>

WARRANTS DRAWN.

General expenses of Police department.....	\$	71,371.94
Warrants outstanding Dec. 31, 1895.....		5,363.58
		<u>\$ 76,735.52</u>
Warrants paid and returned to Dec. 31, 1896....	\$	29,694.23
Warrants outstanding Dec. 31, 1896.....		47,041.29
		<u>\$ 76,735.52</u>

STREET CLEANING AND SPRINKLING FUND.

Balance in fund Dec. 31, 1895.....	\$	899.72
Received from:		
Municipal court, fines and costs.....	\$	5,240.90
General business licenses.....		16,185.46
		<u>\$ 21,426.36</u>
		<u>\$ 22,326.08</u>

CONTRA.

Warrants paid and returned to Dec. 31, 1896....	\$	21,362.97
Interest paid on warrants.....		891.90
Balance in fund Dec. 31, 1896.....		71.21
		<u>\$ 22,326.08</u>

WARRANTS DRAWN.

General expenses of Street Cleaning and Sprinkling department	\$	31,358.50
Warrants outstanding Dec. 31, 1895.....		15,427.97
		<u>\$ 46,786.47</u>
Warrants paid and returned to Dec. 31, 1896....	\$	21,362.97
Warrants outstanding Dec. 31, 1896.....		25,423.50
		<u>\$ 46,786.47</u>

EAST PORTLAND WATER FUND.

Balance in fund Dec. 31, 1895.....	\$	16.35
Balance in fund Dec. 31, 1896.....		16.35

WARRANTS.

Warrants outstanding Dec. 31, 1895.....	\$	16.35
Warrants outstanding Dec. 31, 1896.....		16.35

EAST SIDE WATER EXPENSE FUND.

Balance in fund Dec. 31, 1895.....	\$	91.70
Warrants paid and returned to Dec. 31, 1896....	\$	10.00
Transferred to general fund.....		79.80
Balance in fund Dec. 31, 1896.....		1.90
	\$	91.70

WARRANTS.

Warrants outstanding Dec. 31, 1895.....	\$	11.90
Warrants paid and returned to Dec. 31, 1896....	\$	10.00
Warrants outstanding Dec. 31, 1896.....		1.90
	\$	11.90

WILLAMETTE RIVER FUND.

Balance in fund Dec. 31, 1895.....	\$	8.71
Balance in fund Dec. 31, 1896.....		8.71

WARRANTS.

Warrants outstanding Dec. 31, 1895.....	\$	4.75
Warrants outstanding Dec. 31, 1896.....		4.75

LAMP FUND.

Balance in fund Dec. 31, 1895.....	\$	14.08
Received by transfer from general fund.....		89,600.00
	\$	89,614.08

CONTRA.

Warrants paid and returned to Dec. 31, 1896....	\$	86,281.73
Interest paid on warrants.....		3,241.58
Balance in fund Dec. 31, 1896.....		90.77
	\$	89,614.08

WARRANTS DRAWN.

Lighting City of Portland.....	\$	75,706.23
Warrants outstanding Dec. 31, 1895.....		46,077.21
	\$	121,783.44
Warrants paid and returned to Dec. 31, 1896....	\$	86,281.73
Warrants outstanding Dec. 31, 1896.....		35,501.71
	\$	121,783.44

INTEREST FUND—BONDED INDEBTEDNESS.

Balance in fund Dec. 31, 1895.....	\$	18,608.84
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Received from:

Tax roll, 1895.....	\$	6,635.36
Tax roll, 1894, delinquent.....		238.58
General fund by transfer.....		85,327.25
	\$	92,201.19
	\$	110,810.03

CONTRA.

Coupons paid and returned as follows:

Bonded indebtedness, Portland.....	\$	37,140.00
Bonded indebtedness, East Portland.....		17,640.00
Bonded indebtedness, Albina.....		13,890.00
Bonded indebtedness, bridge and ferry bonds...		23,675.00
Warrants paid and returned to Dec. 31, 1896....		111.75
Balance in fund Dec. 31, 1896.....		18,353.28
	\$	110,810.03

WARRANTS DRAWN.

New York exchange.....	\$	111.75
Warrants paid and returned to Dec. 31, 1896....		111.75

FIRE BADGE REDEMPTION FUND.

Balance in fund Dec. 31, 1895.....	\$	76.00
Balance in fund Dec. 31, 1896.....		76.00

BOULEVARD FUND.

Balance in fund Dec. 31, 1895.....	\$	217.77
Balance in fund Dec. 31, 1896.....		217.77

WATER BONDS—INTEREST FUND.

Balance in fund Dec. 31, 1895.....	\$	72,550.00
Received from water committee.....		145,000.00
		<u>\$217,550.00</u>

CONTRA.

Coupons paid and returned to Dec. 31, 1896.....	\$	143,725.00
Balance in fund Dec. 31, 1896.....		73,825.00
		<u>\$217,550.00</u>

LITIGATION FUND.

Balance in fund Dec. 31, 1895.....	\$	40.65
Received by warrants from general fund.....	\$	700.00
Received from City Attorney.....		13.80
Received from water committee.....	10.00	\$ 720.80
		<u>\$ 761.45</u>

CONTRA.

Expense of litigation as per returned vouchers..	\$	748.41
Balance in fund Dec. 31, 1896.....		13.04
		<u>\$ 761.45</u>

BRIDGE AND FERRY BONDS—INTEREST FUND.

Balance in fund Dec. 31, 1895.....	\$	13,906.25
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CONTRA.

Coupons paid and returned to Dec. 31, 1896....	\$	13,875.00
Warrants paid and returned to Dec. 31, 1896....		31.25
		<u>\$ 13,906.25</u>

WARRANTS DRAWN.

New York exchange.....	\$	31.25
Warrants paid and returned to Dec. 31, 1896....		31.25

IMPROVEMENT FUND.

Balance in fund December 31, 1895, as follows:

Deposits with Security Savings & Trust Co....	\$	7,017.39
Cash in treasury.....		.06
		<u>\$ 7,017.45</u>
Received from payment of bonded liens.....	\$	3,747.73
		<u>\$ 10,765.18</u>

CONTRA.

Deposited with Security Savings & Trust Co..	\$	9,236.82
Balance cash in treasury.....		1,528.36
		<u>\$ 10,765.18</u>

IMPROVEMENT BOND—INTEREST FUND.

Balance in fund Dec. 31, 1895.....	\$	607.11
Received as interest on bonded liens and accrued interest on bonds.....	\$	1,437.51
Received by transfer from Street and Sewer Interest fund		236.44
Received from general fund by transfer.....	500.00	\$ 2,173.95
		<u>\$ 2,781.06</u>

CONTRA.

Improvement bond coupons paid and returned to Dec. 31, 1896.....	\$ 2,127.44	
Balance in fund Dec. 31, 1896.....	653.62	
	<u> </u>	\$ 2,781.06

EAST ALDER STREET SEWER—INTEREST FUND.

Balance in fund Dec. 31, 1895.....	\$ 155.06
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CONTRA.

Interest paid on warrants to Dec. 31, 1896.....	\$ 25.35	
Balance in fund Dec. 31, 1896.....	129.71	
	<u> </u>	\$ 155.06

FUND SEALING, WEIGHTS AND MEASURES.

Balance in fund Dec. 31, 1895.....	\$ 18.40
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CONTRA.

Warrants paid and returned to Dec. 31, 1896....	18.40
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WARRANTS.

Warrants outstanding Dec. 31, 1895.....	18.40
Warrants paid and returned to Dec. 31, 1896....	18.40

BOILER INSPECTOR'S FUND.

Balance in fund Dec. 31, 1895.....	\$ 263.95	
Received from Boiler Inspector.....	531.50	
	<u> </u>	\$ 795.45

CONTRA.

Warrants paid and returned to Dec. 31, 1896....	\$ 782.45	
Transferred to general fund.....	13.00	
	<u> </u>	\$ 795.45

WARRANTS DRAWN.

Salary Boiler Inspector.....	\$ 376.45	
Salary Assistant Boiler Inspector.....	188.00	
Warrants outstanding Dec. 31, 1895.....	218.00	
	<u> </u>	\$ 782.45
Warrants paid and returned to Dec. 31, 1896....	\$ 782.45	

STREET IMPROVEMENT FUNDS.

Total balances in funds Dec. 31, 1895.....	\$ 4,888.94	
Received from collections.....	\$144,736.06	
	<u> </u>	\$149,625.00

CONTRA.

Total expenditures for street improvements....	\$141,315.29	
Transferred to general fund.....	487.29	
Total balances in funds Dec. 31, 1896.....	7,822.42	
	<u> </u>	\$149,625.00

SEWER FUNDS.

Total balances in funds Dec. 31, 1895.....	\$ 1,767.65	
Received from collections.....	27,340.14	
	<u> </u>	\$ 29,107.79

CONTRA.

Total expenditures for sewers.....	\$ 26,783.71	
Transferred to general fund.....	673.04	
Total balances in funds Dec. 31, 1896.....	1,651.04	
	<u> </u>	\$ 29,107.79

STREET EXTENSION FUNDS.

Total balances in funds Dec. 31, 1895.....	\$	2,743.51
Received from collections.....	\$	4,355.69
Transfer from general fund.....	46.23	\$ 4,401.92
		<u>\$ 7,145.43</u>

CONTRA.

Total expenditures for street extensions.....	\$	4,566.02
Total balances in funds Dec. 31, 1896.....		2,579.41
		<u>\$ 7,145.43</u>

STREET AND SEWER INTEREST FUND.

Balance in fund Dec. 31, 1895.....	\$	1,903.14
Received from collections.....		3,382.95
		<u>\$ 5,286.09</u>

CONTRA.

Warrants paid and returned to Dec. 31, 1896....	\$	2,095.46
Interest on warrants paid by treasurer.....		1,205.58
Transferred to Improvement Bond Int. fund..		236.44
Balance in fund Dec. 31, 1896.....		1,748.61
		<u>\$ 5,286.09</u>

WARRANTS DRAWN.

Interest on street and sewer warrants.....	\$	2,095.46
Warrants paid and returned to Dec. 31, 1896....		2,095.46

SUMMARY OF BALANCES IN TREASURY.

General fund	\$	46,260.38
Fire department fund.....		1,425.20
Police department fund.....		237.36
Street cleaning and sprinkling fund.....		71.21
East Portland water fund.....		16.35
East Side water expense fund.....		1.90
		<u>\$ 48,012.40</u>

Amount brought forward.....	\$	48,012.40
Willamette river fund.....		8.71
Lamp fund		90.77
Interest fund, bonded indebtedness.....		18,353.28
Fire badge redemption fund.....		76.00
Boulevard fund		217.77
Water bonds, interest fund.....		73,825.00
Litigation fund		13.04
Street improvement funds.....		7,822.42
Sewer fund		1,651.04
Street extension fund		2,579.41
Improvement bond interest fund.....		653.62
East Alder-street sewer, interest fund.....		129.71
Street and sewer interest fund.....		1,748.61

Improvement fund:

Deposited with Security, Savings & Trust Co....	\$	9,236.82
Cash in treasury.....		1,528.36
		<u>\$165,946.96</u>

SUMMARY OF RECEIPTS AND DISBURSEMENTS.
RECEIPTS.

Total balances in treasury Dec. 31, 1895.....		\$171,032.99
From water committee account interest on water bonds	\$145,000.00	
From street improvement assessments.....	144,736.06	
From sewer assessments.....	27,340.14	
From street extension assessments.....	4,355.69	
From all other sources.....	438,065.69	\$759,497.58
		<u>\$930,530.57</u>

DISBURSEMENTS.

Interest on water bonds.....	\$143,725.00
For street improvements.....	141,315.29
For sewers	26,783.71
For street extensions.....	4,566.02
For all other purposes.....	448,193.59
	<u>\$764,583.61</u>
Total expenditures	\$764,583.61
Total balances	165,946.96
	<u>\$930,530.57</u>

SUMMARY WARRANT ACCOUNT.
EXCEPT STREET IMPROVEMENT, STREET EXTENSION
AND SEWER WARRANTS.

Warrants outstanding Dec. 31, 1895.....	\$150,871.57	
Warrants drawn on general fund.....	133,199.44	
Warrants drawn on fire department fund.....	100,001.69	
Warrants drawn on Police department fund....	71,371.94	
Warrants drawn on street cleaning and sprinkling fund	31,358.50	
Warrants drawn on lamp fund.....	75,706.23	
Warrants drawn on interest fund, bonded indebtedness	111.75	
Warrants drawn on bridge and ferry bonds, interest fund	31.25	
Warrants drawn on Boiler Inspector's fund....	564.45	
Warrants drawn on St. and sewer int. fund....	2,095.46	
		\$565,312.28
Warrants paid and returned to December 31, 1896:		
General fund	\$110,668.03	
Fire department fund.....	73,922.84	
Police department fund.....	29,694.23	
Street cleaning and sprinkling fund.....	21,362.97	
East Side water expense fund.....	10.00	
Lamp fund	86,281.73	
Interest fund, bonded indebtedness.....	111.75	
Fund sealing, weights and measures.....	18.40	
Boiler Inspector's fund.....	782.45	
Street and sewer interest fund.....	2,095.46	
Bridge and ferry bonds, interest fund.....	31.25	
Total warrants outstanding Dec. 31, 1896....	240,333.07	
Warrants canceled .....	.10	
		\$565,312.28

BONDED INDEBTEDNESS, CITY OF PORTLAND, JANUARY 1, 1897.

CITY OF PORTLAND.

Kind.	Amount.	Date.	Time.	Interest.	Object.
General	\$ 56,500.00	May 1, 1891	10 years	6 per cent.	To redeem outstanding bonds.....

FORMER CITY OF ALBINA.

Kind.	Amount.	Date.	Time.	Interest.	Object.
General	\$ 10,000.00	Aug. 1, 1890	20 years	6 per cent.	For municipal expenses.....
General	40,000.00	June 1, 1891	30 years	6 per cent.	For municipal expenses.....
Boulevard	50,000.00	June 1, 1891	30 years	6 per cent.	For boulevards and roadways.....
Park	50,000.00	June 1, 1891	30 years	6 per cent.	For purchase and improvement of parks.....

FORMER CITY OF EAST PORTLAND.

Kind.	Amount.	Date.	Time.	Interest.	Object.
Water	\$ 250,000.00	May 1, 1891	30 years	6 per cent.	For water system.....
Electric Light	50,000.00	May 1, 1891	30 years	6 per cent.	For electric light plant.....

CITY HALL BONDS.

Kind.	Amount.	Date.	Time.	Interest.	Object.
First Series...	\$ 175,000.00	Jan. 1, 1890	30 years	5 per cent.	Purchase of site for City Hall.....
Second Series	500,000.00	July 1, 1892	30 years	5 per cent.	Construction of City Hall.....

WATER BONDS.

Amount Authorized, \$3,200,000.00.

Kind.	Amount.	Date.	Time.	Interest.	Object.
First Series...	\$ 700,000.00	Jan. 1, 1887	30 years	5 per cent.	Purchase of water works.....
Second Series	2,200,000.00	July 1, 1893	30 years	5 per cent.	Bull Run pipe line.....

BRIDGE BONDS.

Kind.	Amount.	Date.	Time.	Interest.	Object.
First Series...	\$ 500,000.00	Jan. 1, 1892	30 years	5 per cent.	Purchase and construction of free bridges.....
Second Series	200,000.00	April 1, 1895	30 years	5 per cent.	Purchase of bridge.....

FERRY BONDS.

Kind.	Amount.	Date.	Time.	Interest.	Object.
.....	\$ 50,000.00	April 1, 1893	30 years	5 per cent.	Free ferry

IMPROVEMENT BONDS.

Kind.	Amount.	Date.	Time.	Interest.	Object.
.....	\$ 28,118.49	July 1, 1895	10 years	6 per cent.	Construction of sewer.....
.....	721.23	Sept. 2, 1895	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	3,130.19	Dec. 1, 1895	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	3,063.22	Feb. 1, 1896	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	3,294.26	April 1, 1896	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	1,116.75	May 1, 1896	10 years	6 per cent.	Improvement of streets.....
.....	1,080.52	July 1, 1896	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	24,297.76	Sept. 1, 1896	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	25,748.53	Nov. 1, 1896	10 years	6 per cent.	Improvement of streets and construction of sewers

90,596.95

DEMANDS AUDITED AND INTEREST PAID DURING THE YEAR
ENDING DECEMBER 31, 1896, FROM FUNDS
DERIVED FROM GENERAL TAXATION.

GENERAL FUND.

Mayor and Common Council:

Salary of Mayor	\$ 5,000.00	
Stationery for Mayor's office.....	11.50	
Accountant Mayor's office.....	75.00	
Salary of Councilmen.....	11,000.00	
		\$ 16,086.50

Auditor's Department:

Salary of Auditor.....	\$ 2,400.00	
Salary of deputies and clerks.....	6,705.00	
Stationery and blanks.....	737.11	
Miscellaneous	25.25	
		\$ 9,867.36

Treasurer's Department:

Salary of Treasurer.....	\$ 3,000.00	
Salary of deputy.....	1,225.00	
Stationery and blanks.....	92.55	
Miscellaneous	5.00	
		\$ 4,322.55

City Attorney's Department:

Salary of City Attorney.....	\$ 3,000.00	
Salary of deputies.....	2,700.00	
Costs of litigation and judgments.....	5,116.54	
Stationery, blanks and briefs.....	235.75	
		\$ 11,052.29

Surveyor's Department:

Salary of Surveyor.....	\$ 2,180.00	
Salary of assistant surveyors.....	4,115.00	
Salary of rodmen, chainmen, etc.....	3,105.00	
Stationery and blanks.....	144.72	
Miscellaneous	100.80	
		\$ 9,645.52

Superintendent of Streets Department:

Salary of Superintendent.....	\$ 2,400.00	
Salary of deputies.....	6,677.50	
Labor repairing streets and bridges.....	4,300.61	
Material for same.....	1,515.93	
Labor for repairing sewers.....	2,624.62	
Material for same.....	616.01	
Sewer inspectors	155.25	
Street inspectors	626.72	
Repairs to wagon, feed and horseshoeing.....	413.07	
Stationery and blanks.....	161.99	
Repair of Tanner-creek sewer.....	1,196.50	
Roadscraper	300.00	
		\$ 20,988.20

Municipal Court:

Salary of Judge.....	\$ 3,000.00	
Salary of clerk.....	1,500.00	
Pay of interpreter.....	60.00	
Stationery and blanks.....	77.50	
		\$ 4,637.50

Inspector of Plumbing and Drainage:

Salary of Inspector.....	\$ 1,200.00	
Salary of deputy.....	540.00	
Pay of examiners.....	45.00	
Repairs, feed and horseshoeing.....	71.00	
Stationery and blanks.....	17.45	
		\$ 1,873.45

Pound Department:

Salary of Pound Master.....	\$ 1,080.00	
Salary of deputy and assistants.....	1,584.00	
Dog tags	100.00	
Feed for horses and impounded stock.....	355.16	
Stationery and blanks.....	10.60	
Miscellaneous	393.86	
		\$ 3,523.62

Health Department:

Salary of City Physician.....	\$ 1,250.00	
Account indigent sick.....	503.20	
		\$ 1,753.20

Cremation of Garbage and Dead Animals:

Transporting garbage and operating crematory..	\$ 8,687.53	
Pay of officer at dump.....	899.92	
Removing dead animals.....	646.00	
Rent of garbage dock.....	875.00	
Rent of dry dump.....	157.50	
Repairs to crematory.....	21.50	
Miscellaneous expenses	145.05	
		\$ 11,432.50

Harbor Policeman and Harbor Master:

Salary Harbor Master.....	\$ 193.85	
Salary harbor policeman.....	550.00	
Miscellaneous	52.90	
		\$ 796.75

City Park and Park Blocks:

Salary Park-keeper	\$ 850.00	
Salary of Park engineer.....	150.00	
Pay of laborers.....	5,363.45	
Feed for animals.....	1,299.54	
Lumber, hardware, etc.....	274.76	
Water for park blocks and fountain.....	70.86	
Miscellaneous expenses	590.15	
		\$ 8,598.76

Boiler Inspector:

Salary of Boiler Inspector and Deputy.....	\$ 330.67	
Stationery and blanks.....	92.80	
Miscellaneous	58.15	
		\$ 481.62

Sealer of Weights and Measures:

Miscellaneous	\$ 3.75	
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Expense City Hall:

Salary Superintendent, Watchman and Janitors..	\$ 3,383.39	
Heating and lighting.....	5,100.00	
Repairs and plumbing.....	74.35	
Miscellaneous	299.93	
		\$ 8,857.67

Printing Mayor's Message and Municipal Reports:

Printing Mayor's message and reports.....	\$ 342.30	
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Miscellaneous Expenses:

Advertising	\$ 2,218.24	
Relief of certain persons.....	1,007.41	
Pay of viewers.....	132.00	
Purchase of property, chief of police sale.....	2,731.83	
Purchase of crematory site.....	7,500.00	
Clerk hire account delinquent taxes.....	128.02	
Redemption of property.....	140.41	
Engine house, Sellwood.....	599.76	
Miscellaneous	379.57	
Improvement of streets in front of public property	3,513.91	
Expense of working prisoners.....	584.75	
		\$ 18,935.90

Interest:

Interest paid on warrants.....	\$ 5,002.62	
		\$ 138,202.06

FIRE DEPARTMENT FUND.

Salary of Firemen.....	\$ 70,251.74	
Fire alarm telegraph, material and repair.....	1,498.42	
Hose, and repairs of.....	6,319.85	
Water	5,711.05	
Hydrants and repairs.....	197.23	
Stationery and blanks.....	235.58	
Telephone service	1,037.15	
Apparatus repairs	1,053.66	
Building, fixtures and furniture.....	906.84	
Shoeing horses	1,425.65	
Horses	732.50	
Veterinary surgeon	276.00	
Harness, and repairs of.....	147.40	
Feed	3,744.80	
Fuel	1,820.60	
Lighting engine houses.....	1,015.67	
Miscellaneous supplies	1,144.85	
Repair of cisterns	261.38	
Insurance	52.00	
Rent	1,680.00	
Incidental expenses	489.32	
Interest paid on warrants.....	1,825.48	
		\$ 101,827.17

POLICE DEPARTMENT FUND.

Salary of Police.....	\$ 66,065.75
Feeding prisoners	1,004.10
Expense police building.....	1,671.55
Care of indigent sick.....	82.30
Patrol wagon	673.80
Call boxes	230.79
Mounted police	672.21
Contingent expenses	521.53
Stationery and blanks.....	449.91
Interest paid on warrants.....	1,926.12
	<u> </u> \$ 73,298.06

STREET CLEANING AND SPRINKLING FUND.

Pay of Superintendent, foreman, laborers.....	\$ 23,789.32
Lighting barn	267.10
Shoeing horses	615.00
Repairs to plant.....	1,172.88
Harness and repairs.....	407.57
Hay	799.28
Oats and other feed.....	1,207.26
Hardware	67.90
Street sprinkling	1,898.78
Insurance	346.90
Stationery and blanks.....	40.10
Miscellaneous	746.41
Interest paid on warrants.....	891.90
	<u> </u> \$ 32,250.40

LAMP FUND.

Lighting Streets City of Portland.....	\$ 75,706.23
Interest paid on warrants.....	3,241.58
	<u> </u> \$ 78,947.81

INTEREST FUND—BONDED INDEBTEDNESS.

Interest, bonded indebtedness, Portland.....	\$ 37,140.00
Interest, bonded indebtedness, East Portland....	17,640.00
Interest, bonded indebtedness, Albina.....	13,890.00
Interest, bonded indebtedness, bridge and ferry bonds	23,675.00
New York exchange.....	111.75
	<u> </u> \$ 92,456.75

SUMMARY.

General fund	\$138,202.06
Fire department fund.....	101,827.17
Police department fund.....	73,298.06
Street cleaning and sprinkling fund.....	32,250.40
Lamp fund	78,947.81
Interest fund, bonded indebtedness.....	92,456.75
	<u> </u> \$516,982.25

DEMANDS AUDITED AND INTEREST PAID FROM FUNDS NOT DERIVED FROM GENERAL TAXATION.

BRIDGE AND FERRY BONDS—INTEREST FUND.

Interest coupons paid and returned.....	\$ 13,875.00
New York exchange.....	31.25
	<u> </u> \$ 13,906.25

BOILER INSPECTOR'S FUND.

Salary of Boiler Inspector.....	\$ 376.45
Salary of deputy.....	188.00
	<u> </u> \$ 564.45

STREET AND SEWER INTEREST FUND.

Interest on street and sewer warrants.....	\$ 3,301.04
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EAST ALDER STREET SEWER—INTEREST FUND.

Interest paid on warrants.....	\$ 25.35
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WATER BONDS—INTEREST FUND.

Interest coupons paid and returned.....	\$143,725.00
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IMPROVEMENT BOND—INTEREST FUND.

Interest paid on street and sewer improvement bonds	\$ 2,127.44
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SUMMARY.

Bridge and ferry bonds, interest fund.....	\$ 13,906.25
Boiler inspector's fund.....	564.45
Street and sewer, interest fund.....	3,301.04
East Alder-street sewer, interest fund.....	25.35
Water bonds, interest fund.....	143,725.00
Improvement bonds, interest fund.....	2,127.44
	<u>\$163,649.53</u>

Respectfully submitted,

A. N. GAMBELL,

Auditor.

Portland, Oregon, December 31, 1896.

APPENDIX TO AUDITOR'S REPORT.

The following tabulated statement shows the condition of each Street Improvement, Sewer and Street Extension Fund at the close of the fiscal year, ending December 31, 1896:

STREET IMPROVEMENT FUNDS.

	Bal. in Fund Dec. 31, 1895	Receipts	Expenditures	Bal. in Fund Dec. 31, 1896	Warrants Outstanding
Hood street	\$ 14.64	\$.....	\$.....	\$ 14.64	\$ 14.64
Taylor street, 10th to 14th.....	1.41	.....	.....	1.41	160.26
North 18th st., M. st. to Sherlock's add.	27.67	.....	.....	27.67	199.40
Chapman st., Jefferson to Taylor.....	35.05	.....	.....	35.05	1,052.91
South Front st., Gaines to First ave..	18.55	.....	.....	18.55	88.14
North 14th st., B to U.....	55.40	.....	55.40	.....	.....
R st., N. 18th to N. Front.....	186.75	.....	.....	186.75	.....
South Second st., Sheridan to Gibbs..	1.85	408.75	408.75	1.85	251.52
South Front st., Porter to 1st ave.....	.....	.....	.....	.....	3.75
Clifton st., 13th to 15th.....	79.00	.....	.....	79.00	100.00
Hood st., Marquam Gulch to Grover..	.....	184.05	184.05	.....	345.50
Thirteenth st., College to Hawthorne.	25.00	.....	25.00	.....	1,130.58
Fifth st., Stephens to Adams.....	34.60	.....	.....	34.60	6.51
Williams ave., Grant to Going.....	.....	.....	.....	.....	2,500.00
H st., east to west end.....	112.45	.....	102.00	10.45	10.45
M st., 4th to 12th.....	43.16	.....	.....	43.16	68.37
Clinton st., 12th to 21st.....	62.73	.....	.....	62.73	785.28
Fifth st., C to I.....	.....	.....	.....	.....	65.34
G st., east to west end.....	21.20	.....	.....	21.20	25.82

STREET IMPROVEMENT FUNDS—Continued.

	Bal. in Fund Dec. 31, 1895	Receipts	Expenditures	Bal. in Fund Dec. 31, 1896	Warrants Outstanding
Clay st., 4th to east line of city.....	4.80	.....	.....	4.80	3.91
Water street .....	.....	.....	.....	.....	86.32
Fifth st., K to Ellsworth.....	207.47½	.....	.....	207.47½	609.74
Myrtle st., 13th to 19th.....	50.90	.....	.....	50.90	55.00
Elliot st., Helm to Williams.....	91.62	.....	8.62	83.00	83.00
N. 16th st., G to bridge bet. M and N..	13.19	.....	13.19	.....	.....
North 22d st., J to P.....	113.41	.....	72.00	41.41	27.66
H st., N. 22d to N. 23d.....	43.64	.....	.....	43.64	.....
North 23d st., F to J.....	45.54	.....	.....	45.54	.....
Missouri ave., Multnomah to Grant...	30.00	.....	30.00	.....	.....
G st., 3d to north West Park.....	13.74	.....	.....	13.74	80.14
Multnomah st., Grover to Curry.....	9.10	.....	.....	9.10	961.44
South First, 3d to 4th ave.....	.....	.....	.....	.....	11.45
E. Glisan st., E. 9th to E. 12th.....	6.00	.....	.....	6.00	43.89
E. 8th st., E. Flanders to Riverside Homestead	302.53	.....	62.72	239.81	2,435.38
E. 16th st., Holladay ave. to Belmont.	45.73	.....	19.09	26.64	14.76
E. 12th st., Hancock to Thompson....	9.16	.....	9.16	.....	.....
Weidler st., Carter's ad. to Wheeler st.	54.01	.....	53.07	.94	.94
Shaver st., Maryland to Williams.....	34.04	.....	29.84	4.20	4.20
Montana ave., Fremont to N. line of Multnomah	385.43	.....	.....	385.43	514.12
E. 20th st., Hawthorne ave to E. Stark	18.86	.....	.....	18.86	1,613.35
Hawthorne ave., E. Water to Stephens D. L. C.....	97.00	.....	.....	97.00	.....

STREET IMPROVEMENT FUNDS—Continued.

	Bal. in Fund Dec. 31, 1895	Receipts	Expenditures	Bal. in Fund Dec. 31, 1896	Warrants Outstanding
Union ave., Broadway to Schuyler....	54.40	.....	2.75	51.65	51.65
A st., blk 1, J. Irving's add to Tillam'k	30.96	.....	.....	30.96	29.96
E. Oak st., 50 ft e. of E. 2d to E. Water	1.85	.....	.....	1.85	38.16
E. 8th st., Ainsworth to Dekum.....	15.25	.....	.....	15.25	27.64
Union ave., Morris to Prescott.....	647.84	2,075.06	2,694.22	28.68	28.68
Spokane avenue	64.15	.....	.....	64.15	.....
Fifth st., n. to s. line of Sellwood....	47.08	.....	.....	47.08	33.67
Umatilla avenue	361.23	.....	.....	361.23	537.48
Sixth st., n. to s. line of Sellwood....	.....	.....	.....	.....	85.24
Ninth st., Clackamas to north line of Sellwood .....	.....	.....	.....	.....	66.88
Tacoma avenue .....	.....	132.20	.....	132.20	1,109.29
Fourth st., n. to s. line of Sellwood...	51.02	55.47	.....	106.49	117.75
Morrison st., Front to Chapman.....	.....	24,238.56	24,231.99	6.57	27.57
Shaver st., Williams ave to Union ave.	14.50	3.08	2.83	14.75	135.83
East 17th st., E. Morrison to E. Stark.	12.00	.....	.....	12.00	.....
Cleveland avenue	3.75	15.32	19.07	.....	.....
E. Harrison st., E. 11th to E. 3d.....	44.25	.....	10.75	33.50	2.82
Twenty-fourth st., Glisan to Savier...	68.13	.....	21.88	46.25	143.56
Willamette st., 12th to Sandy road....	8.25½	1,369.46	1,084.64	293.07½	280.82
Vancouver ave., Russell to Morris....	16.25	.....	1.39	14.86	14.86
Nebraska st., Bond to Wisconsin.....	11.22	26.68	37.90	.....	.....
Sixth st., Morrison to Hoyt.....	36.42	669.04	700.00	5.46	10,405.38
Cable st., Mill to Terrace road.....	4.00	4.00	1,196.38

STREET IMPROVEMENT FUNDS—Continued.

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AUDITOR'S REPORT.

	Bal. in Fund Dec. 31, 1895	Receipts	Expenditures	Bal. in Fund Dec. 31, 1896	Warrants Outstanding
Portsmouth ave., Dawson to Will- amette Boulevard	25.49	.....	24.85	.64	.64
Beacon st., Milwaukie to E. 8th.....	11.25	.....	.....	11.25	299.83
Hawthorne Terrace .....	.....	4.40	4.40	.....	.....
Powell st., Milwaukie st. to E. 21st....	27.34	107.08	134.42	.....	.....
Milwaukie and E. 11th sts.....	97.13	4.46	94.53	7.06	7.06
E. Burnside st., Grand ave to Sullivan D. L. C.....	30.50	59.69	90.19	.....	.....
Mallory ave., Beech to Mason.....	11.50	18.34	12.00	17.84	17.84
E. Stark st., E. Water to E. 16th.....	33.76	328.78	328.28	34.26	194.06
Elm st., Chapman to 16th.....	2.25	318.95	318.20	3.00	3.75
Hoyt st., 4th to 5th.....	2.50	.....	.....	2.50	162.10
E. 9th st., Multnomah to Tillamook..	12.69	97.13	109.38	.44	.44
Water and Hood sts.....	60.00	247.75	307.75	.....	.....
Madrona st., Durham to Farrell.....	17.63	.....	.....	17.63	111.55
Tenino avenue	3.80	.....	.....	3.80	.....
Fremont st., Willamette Boulevard to Mitchell street	211.96	.....	122.44	89.52	89.52
Corbett st., Bancroft to Hamilton.....	1.90	.....	.....	1.90	868.10
Grand ave., E. Clay to E. Stark.....	59.26	.....	.....	59.26	191.35
Nineteenth st., Thurman to Sherlock..	2.00	607.57	593.82	15.75	652.74
E. Second st., E. Oak to E. Wash'ton.	29.84	.....	23.96	5.88	334.25
Front st., Madison to Lincoln.....	23.40	.....	6.91	16.49	16.49
Third st., Main to Columbia.....	6.50	6.50	56.40

STREET IMPROVEMENT FUNDS—Continued.

AUDITOR'S REPORT.

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	Bal. in Fund Dec. 31, 1895	Receipts	Expenditures	Bal. in Fund Dec. 31, 1896	Warrants Outstanding
Columbia st., 1st to 200 ft. e. of Front.	1.50	.....	.....	1.50	145.00
Grand ave., E. Burnside to E. Stark..	12.24	.....	.....	12.24	386.48
Union ave., Russell to Weidler.....	283.89	6.67	260.88	29.68	3.45
Marshall st., 16th to 22d.....	5.98	270.50	257.48	19.00	594.13
South half of Hamilton ave.....	2.25	.....	.....	2.25	13.60
Clinton st., E. 21st to E. 36th.....	23.29	140.40	137.74	25.95	93.04
Gantenbein ave., Morris to Ivy.....	30.18	345.08	359.67	15.59	24.57
Kelly st., Hamilton to Seymour.....	2.00	275.36	274.61	2.75	333.79
South half of Johnson st., 6th to 7th..	.....	1,110.60	1,110.60	.....	.....
W. half 6th st., Irving to Johnson....	.....	1,582.67	1,582.67	.....	.....
Commercial st., Suaver to Russell....	47.80	2,386.85	2,380.52	54.13	74.76
Madison st., Chapman to Stout.....	20.92	254.89	275.81	.....	.....
Nartilla st., Jefferson to Main.....	.....	200.53	200.53	.....	.....
East Water st., Oak to Hawthorne....	.....	2,945.55	2,925.59	19.96	9,421.27
Couch st., 1st to 6th.....	.....	880.79	877.79	3.00	3.00
Taylor st., 2d to 4th.....	.....	392.41	392.41	.....	.....
E. 1st st., Hancock to Holladay.....	.....	3,062.16	3,043.38	18.78	453.63
Kerby st., Morris to Fargo.....	.....	321.26	319.62	1.64	1.64
Monroe st., Borthwick to Gantenbein.	.....	90.15	90.15	.....	.....
Twenty-fourth st., Thurman to Vaughn	.....	251.26	251.26	.....	.....
Sixteenth st., Mill to Montgomery....	.....	169.07	167.57	1.50	22.13
Abernethy avenue .....	.....	1.44	1.44	.....	.....
Ankeny st., 4th to 5th.....	147.50	147.50
Lane ave., Russell to Page.....	18.52	18.52

STREET IMPROVEMENT FUNDS—Continued.

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AUDITOR'S REPORT.

	Bal. in Fund Dec. 31, 1895	Receipts	Expenditures	Bal. in Fund Dec. 31, 1896	Warrants Outstanding
Belmont st., E. Water to E. 34th.....		23,254.08	22,809.61	444.47	2,487.62
Fourth st., Burnside to Jefferson.....		24,994.09	24,965.28	28.81	204.47
Chapman st., Morrison to Taylor.....		1,087.59	1,087.59	.....	.....
Chapman st., Jefferson to Salmon.....		1,315.12	1,310.12	5.00	.....
East 34th st., Stark to Hawthorne.....		3,550.67	3,267.93	282.74	397.53
Burnside st., 6th to Washington.....		1,431.14	820.59	610.55	.....
Third st., Yamhill to Glisan.....		22,752.33	21,784.44	967.89	2,900.00
Constance st., Union ave to east line of Albina		154.40	148.50	5.90	47.50
Washington st., 3d to Burnside.....		17,240.53	17,068.80	171.73	2,200.00
Going st., Un.on ave. to east line of Highland		2,761.05	1,266.33	1,494.72	30.92
East Taylor st., E. 34th to E. 38th....		369.58	164.73	204.85	1,299.06
Fourth st., Burnside to Glisan.....		.....	.....	.....	138.95
	\$4,888.94	\$144,736.06	\$141,802.58	\$7,822.42	\$51,970.05

SEWER FUNDS.

	Bal. in Fund Dec. 31, 1895	Receipts	Expenditures	Bal. in Fund Dec. 31, 1896	Warrants Outstanding
P st., 360 ft. w. of N. 19th to N. 8th....	\$ 241.73	\$.....	\$ 25.09	\$ 216.64	\$ 156.96
Q st., N. 20th to Willamette river.....	130.08	.....	85.97	44.11	44.11
Marquam Gulch	6.70	.52	.....	7.22	182.65

SEWER FUNDS—Continued.

	Bal. in Fund Dec. 31, 1895	Receipts	Expenditures	Bal. in Fund Dec. 31, 1896	Warrants Outstanding
Portland Heights		5,189.21	5,189.21	.....	2,236.94
East Oak, et al. streets.....		665.94	565.29	100.65	42.00
Pennoyer st., 1st st. to Thomas creek sewer	18.11	.....	9.04	9.07	9.07
Williams ave., et al. streets.....	94.60	.....	4.60	90.00	90.00
Whitaker st., 100 ft. e. of Kelly to Thomas creek	1.05	.....	.....	1.05	92.00
East Alder et al. streets.....	472.70	1,782.31	1,891.60	363.41	2,591.37
Albina ave., Page to Russell.....		32.23	29.79	2.44	2.44
E. Ninth st., Broadway to Holladay..		57.50	57.50	.....	.....
East First et al. streets.....		60.13	60.13	.....	.....
Woods-street Gulch .....		.....	.....	.....	62.74
E. 7th st., Broadway to Hancock.....		36.85	36.83	.....	.....
E. 12th st., Division to Hawthorne....		.....	.....	.....	272.69
Tanner creek, Taylor st. to City Park.		28.13	.....	28.13	.....
Corbett st., Whitaker to Wood.....	17.89	45.84	50.00	13.73	50.00
Pacific et al. streets.....	1.60	7.50	.....	9.10	50.00
E. 16th st., E. Washington to E. Taylor		32.50	32.50	.....	.....
E. 2d st., Weidler to Holladay.....	88.40	.....	88.40	.....	.....
E. Yamhill, E. 34th to E. 35th.....	21.50	142.41	150.00	13.91	84.70
Tanner creek, w. terminus s. 325 ft....		.....	.....	.....	5.58
E. 35th st., E. Morrison to E. Yamhill.	2.95	20.00	15.00	7.95	28.17
E. 15th st., E. Morrison to E. Taylor..	14.45	14.45	44.99
E. Alder st., E. 7th to E. 9th.....	54.12	54.12

AUDITOR'S REPORT.

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SEWER FUNDS—Continued.

	Bal. in Fund Dec. 31, 1895	Receipts	Expenditures	Bal. in Fund Dec. 31, 1896	Warrants Outstanding
E. Taylor st., E. 19th to E. 26th.....	13.92	.....	.....	13.92	175.00
Hood st., 80 ft. s. of Gibbs to Wood st.	194.60	.....	170.00	24.60	.....
Williams ave., s. line Page to sewer in Williams avenue .....	.....	1.25	.....	1.25	.....
E. 3d st., Hancock to Schuyler.....	15.17	.....	.....	15.17	.....
E. Clay st., Union ave. to Willamette river	4.80	269.20	240.70	33.30	.....
Lovejoy st., 340 ft. w. of 20th to sewer in Lovejoy	9.40	237.60	225.79	21.21	.....
E. 7th, Hawthorne ave. and E. 9th sts.	92.20	353.95	434.99	11.16	.....
Rodney ave., Hancock and 2d sts.....	7.74	254.99	260.00	2.73	71.49
E. 20th st., E. Washington to Belmont	3.03	285.10	265.00	23.13	.....
Vancouver ave., 100 ft. n. of Hancock to Wheeler	114.49	275.31	369.99	19.81	.....
Belmont st., 30 ft. w. E. 32d to E. 31st.	12.00	85.70	97.70	.....	.....
First st., 80 ft. s. Whitaker to Grover.	15.60	131.60	140.00	7.20	50.56
Macadam st., 80 ft. s. of Gibbs to Wood-street gulch	4.00	.....	.....	4.00	89.60
Vancouver ave., 200 ft. s. of Tillamook to sewer in Vancouver avenue.....	8.77	20.23	20.00	9.00	.....
East 12th et al. streets.....	106.05	4,977.45	5,083.50	.....	.....
Russell street .....	.....	4.00	4.00	.....	.....
Curry st., 2d to Thomas creek.....	.....	48.64	48.64	.....	.....

SEWER FUNDS—Continued.

	Bal. in Fund Dec. 31, 1895	Receipts	Expenditures	Bal. in Fund Dec. 31, 1896	Warrants Outstanding
Pacific st., 75 ft. e. of E. 8th to Grand avenue	788.40	788.40	.....	.....
E. 12th st., E. Washington to E. Alder.	176.10	176.10	.....	.....
E. 8th, Broadway to Hancock.....	252.00	252.00	.....	.....
Rodney ave. and Stanton st.....	546.90	546.90	.....	.....
E. Salmon st., E. 14th to E. 23d.....	1,483.43	1,367.40	116.03	150.00
E. 11th st., Division to Hawthorne....	2,795.00	2,785.64	9.36	180.00
Rodney ave., 50 ft. s. of Morris to Stanton	55.00	55.00	.....	.....
Vancouver ave., 50 ft. s. of Page to sewer in Vancouver ave., 200 ft. s. of Tillamook	314.50	314.50	.....	.....
E. 9th st., E. Sherman to Hawthorne.	1,854.00	1,854.00	.....	.....
E. 34th st., E. Washington to sewer in East Thirty-fourth	440.00	440.00	.....	.....
E. 34th st., 50 ft. s. of E. Main to E. Yamhill	518.50	518.50	.....	.....
Sacramento st. and Williams ave.....	317.30	317.30	.....	.....
Rodney ave., 175 ft. n. of to Sacramento	91.60	91.60	.....	.....
E. 10th st., E. Caruthers to Hawthorne	1,840.27	1,625.00	215.27	286.33
E. 33d st., Belmont to E. Yamhill.....	103.20	103.00	.20	.....
Belmont st., 115 ft. w. of E. 33d to 30 ft. w. of E. 32d.....	60.49	19.99	40.50	100.00
Twelfth and Market sts.....	63.00	.....	63.00	.....

SEWER FUNDS—Continued.

	Bal. in Fund Dec. 31, 1895	Receipts	Expenditures	Bal. in Fund Dec. 31, 1896	Warrants Outstanding
Gibbs st., 1st to 25 ft. e. of 2d.....		30.14	30.14		30.13
Eugene st., 100 ft. w. of Rodney ave. to Williams ave.....		78.87	70.00	8.87	76.75
E. Grant st., E. 9th to 50 ft. e. of E. 6th		75.00	75.00		170.30
E. Yamhill st., E. 19th to 30 ft. e. of East Twenty-third		410.35	375.00	35.35	325.20
	\$ 1,767.65	\$27,340.14	\$27,456.75	\$1,651.04	\$ 7,751.77

STREET EXTENSION FUNDS.

	Bal. in Fund Dec. 31, 1895	Receipts	Expenditures	Bal. in Fund Dec. 31, 1896	Warrants Outstanding
Heights Terrace street.....	\$ 10.00	\$.....	\$.....	\$ 10.00	\$ 415.00
V street	472.50	.....	.....	472.50	13,689.50
W street .....	.....	.....	.....	.....	250.00
North Twenty-second street .....	.....	.....	.....	.....	1.00
Q street	5.00	.....	.....	5.00	5.00
W street, N. 21st to N. Front.....	671.00	.....	.....	671.00	671.00
South Fourth street.....	.....	.....	.....	.....	300.00
East 11th, Division to Beacon.....	14.70	.....	.....	14.70	14.70
Fourth st., Goldsmith to Hassalo.....	153.75	.....	.....	153.75	153.75
D street, N. 20th to N. 21st.....	.....	3,250.00	3,250.00	.....	.....
Ninth street	30.00	.....	.....	30.00	30.00

STREET EXTENSION FUNDS—Continued.

	Bal. in Fund Dec. 31, 1895	Receipts	Expenditures	Bal. in Fund Dec. 31, 1896	Warrants Outstanding
Vancouver avenue	97.00	.....	.....	97.00	97.00
Lawthorne avenue	19.40	.....	.....	19.40	19.40
Ellsworth street .....	.....	.....	.....	.....	70.00
Cable street	96.70	.....	.....	96.70	96.70
Powell street	36.30	.....	.....	36.30	36.30
E. 5th st., E. Stark to E. Clay.....	6.00	.....	.....	6.00	6.00
Clinton st., 12th to Milwaukie road... ..	.....	399.00	399.00	.....	.....
Twenty-sixth street	536.10	.....	102.60	433.50	433.50
Dawson street	26.40	.....	.....	26.40	26.40
East Fourteenth street.....	190.00	.....	.....	190.00	190.00
Commercial st., Sellwood to Russell... ..	40.13	.....	38.13	2.00	2.00
Willis Boulevard	31.00	.....	26.00	5.00	5.00
Clinton st., E. 12th to Milwaukie.....	131.40	.....	94.25	37.15	37.15
Peninsular avenue	119.08	46.23	79.79	85.52	85.52
East Twenty-eighth street.....	57.05	552.90	523.75	86.20	86.20
Corbett street .....	.....	101.29	.....	101.29	.....
East Ankeny street.....	.....	52.50	52.50	.....	.....
	\$ 2,743.51	\$ 4,401.92	\$ 4,566.02	\$ 2,579.41	\$ 16,721.12

**INVENTORY OF PROPERTY BELONGING TO THE CITY—
PUBLIC GROUNDS, ETC.**

A tract of land containing five (5) acres in the Terwilliger D. L. C., fronting on the west line of Multnomah, now Macadam street, and adjoining the south line of Elizabeth Caruthers' D. L. C.

A tract of land containing five (5) acres in the Elizabeth Caruthers' D. L. C., fronting on the west line of Multnomah, now Macadam street, and adjoining the south line of said Elizabeth Caruthers' D. L. C.

Park Blocks. Numbered and designated respectively: 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, city proper; and A, B, C, D, E, F, in Couch addition to the city of Portland, aggregating 7.45 acres.

The Public Squares. Situate in city proper, and bounded as follows: No. 53—On the north by the south line of Salmon street, on the east by the west line of Third street, on the south by the north line of Main street, and on the west by the east line of Fourth street. No. 54—On the north by the south line of Main street, on the east by the west line of Third street, on the south by the north of Madison street, and on the west by the east line of Fourth street.

Market Square No. 132. Situate in city proper and bounded as follows: On the north by the south line of Clay street, on the east by the west line of Second street, on the south by the north line of Market street, on the west by the east line of Third street, containing 1 acre.

City Hall Block. Block 56, city.

City Barn. Block 1, Davenport tract, lots 9, 10, 11 and 12.

City Park Proper. Bounded and described as follows: On the north by the Barnes' county road, on the east by the H. D. Green tract of land (now platted as "Cedar Hill,") and Donald Macleay tract of land (now platted as "Ardmore,") on the south by a continuation of the south boundary line of Donald Macleay tract of land ("Ardmore,") on the west by the King donation land claim, containing 40.78 acres.

Block.	Lot.	Addition.
Central Park		Ladd's
North Park		Ladd's
South Park		Ladd's
West Park		Ladd's
East Park		Ladd's
30	4	City

Block.	Lot.	Addition.
* 30	N. ½ of 3	City
* 50	6	City
* 9	N. ½ of 4	City
*143	6	City
*315	E. ½ of 8	City
*128	3	Caruthers
* 99	E. ½ of 2, 3	Couch
*291	2	Couch

Three acres in section 36, T. 3 N. R. 2 W. of W. M., on which land the city crematory has been built.

City Park, blocks Nos. 132, 133, 140, 141, Holladay's addition to East Portland.

East Side water works, a tract of land bounded on the north by the land of Mary Tibbetts, on the east by the land of Mary Tibbetts and Pyle's tract, on the south by the northerly side line of Powell street, on the west by the easterly side line of Bodley's addition, all in section 11, T. 1 S. R. 1 E. and containing 3.108-1000 acres.

Block.	Lot.	Addition.
* 76	S. ½ of 7	Stephens' addition
* 47	N. ½ of E. ½ of 6	Holladay's addition
257	5 and 6	Holladay's addition
* 3	N. ½ of 13, 14, 15, 16	Frush square

City Park, a tract of land bounded on the north by the lands of Portland University, on the east by the lands of John Mock, on the south by the center line of County road, and on the west by the west line of John Windle donation land claim, all in section 8, T. 1 N. R. 1 E., W. M., and containing 29.46 acres.

Block.	Lot.	Addition.
* 29	14	Albina Homestead
* 10	11	Probstel's addition
14	12, 13, 14, 15	Probstel's addition
* 14	13	Multnomah
9	All	Albina Homestead

* Under control of the Portland Paid Fire Department.

All of the following bounded and described real property situated in the County of Multnomah and State of Oregon, to wit: Beginning at a point in the division line between the lands of Cornelia J. Poole and Samuel W. Poole (hereinafter more particularly described) situated north 45 deg. 45 min. west, 632.4 feet distant from a certain stone 6x6x20 inches in size, situated in the center of the St. Helens county road at

the south end of said division line above mentioned, the same being between those certain tracts or parcels of land set off and allotted to Cornelia J. Poole and Samuel W. Poole in a certain suit wherein said Cornelia J. Poole was plaintiff and said Samuel W. Poole and G. G. Ames, his guardian, were defendants, in the Circuit Court of the State of Oregon for the County of Multnomah, and being the southwest corner of the tract therein set off to Samuel W. Poole and the southeast corner of said tract so set off to Cornelia J. Poole; running thence north 45 deg. 45 min. west, following said division line between the lands allotted to said parties above named, a distance of 283.35 feet to a point; thence north 79 deg. 37 min. west a distance of five hundred and thirty-five and nine-tenths (535.9) feet to a point; thence south 10 deg. 23 min. west 332 feet to a point; thence south 79 deg. 37 min. east 277.66 feet to a point in the division line between said tract of land allotted to Cornelia J. Poole and that certain tract of land known as the "White" tract adjoining the same on the east; thence north 40 deg. east following said last mentioned line a distance of 136.47 feet to the northeast corner of said White tract, thence south 45 deg. 45 min. east following the east line of said White tract, a distance of 324.1 feet to a point; thence north 44 deg. 15 min. east a distance of 286.9 feet to the place of beginning.

Also a right of way over the following described tract of land, to wit: Beginning at the southwest corner of said land allotted to Cornelia J. Poole as aforesaid, at a point in the center of the St. Helens county road, and running thence northwesterly on the division line between said land of Cornelia J. Poole and said White tract to the corner of the land above described and conveyed; thence on the line between the said land above described and the other land owned by the said Cornelia J. Poole on the south thereof, easterly a distance of twenty (20) feet; thence southeasterly twenty feet from and parallel with said division line between said land of Cornelia J. Poole and said White tract, to the center of the St. Helens county road; thence westerly to the place of beginning, the same to be used in common by the grantor and grantee herein as a roadway.

All of said land above mentioned being situated in section 29, township 1, N. R. 1 east of the Willamette Meridian, being a part of the Peter Guild donation land claim.

PROPERTY IN POSSESSION OF THE CITY BY VIRTUE OF
CHIEF OF POLICE SALE.

Lot 5, block 52, Caruthers' addition; purchased September 12, 1871, for improvement of South First street.

Lot 6, block 52, Caruthers' addition; purchased September 12, 1871, for improvement of South First street.

Lot 7, block 52, Caruthers' addition; purchased September 12, 1871, for improvement of South First street.

Lot 8, block 52, Caruthers' addition; purchased September 12, 1871, for improvement of South First street.

West half of tract of land, 40 feet wide, lying between and bounded by blocks 51 and 52, Caruthers' addition; purchased September 12, 1871, for improvement of South First street.

East half of a strip of land, 40 feet wide, bounded by blocks 60 and 61, Caruthers' addition; purchased September 12, 1871, for improvement of South First street.

The south half and the northwest quarter of the fractional block lying between Pine, A, Fifth and Seventh streets; purchased February 10, 1872, for the improvement of Pine and North Seventh streets.

Lot 2 in north half of block K, city; purchased February 6, 1884, for the improvement of Eleventh street.

A tract of land bounded on the south by the north line of block 103, in Caruthers' addition, on the east by the west line of the proposed extension of Hood street, on the north by line parallel with and 100 feet north of the north line of block 103 and on the west by a line parallel with and 100 feet west of the west line of the proposed extension of Hood street; purchased May 14, 1884, for the extension of Hood street to its junction with Water street.

A tract of land bounded on the south by the north line of block 102 in Caruthers' addition, on the west by the east line of the proposed extension of Hood street, on the north by a line parallel with and 100 feet north of the north line of said block 102, and on the east by a line parallel with and 100 feet east of the east line of the proposed extension of Hood street; purchased May 14, 1884, for the extension of Hood street, to its junction with Water street.

The east half of lot 5, block E, Caruthers' addition; purchased June 18, 1884, for the improvement of Front and South Front streets.

A tract of land in Caruthers' addition and bounded and described as beginning at a point, where an easterly extension of the north line of Lincoln street intersects the east line of the proposed extension of Hood street, thence northerly along said line 150 feet, thence easterly on a parallel line with and 50 feet southerly from the north line of the Caruthers' donation land claim, 100 feet east of the east line of the proposed extension of Hood street 150 feet, thence easterly on a line conforming to an easterly extension of the north line of Lincoln street, 100 feet to the place of beginning; purchased April 2, 1885, for the extension of Hood street.

Lots 5 and 6, block 50, Caruthers' addition; purchased June 11, 1885, for the improvement of Front and South Front streets.

Lots 1, 2, 3, in block 88, city; purchased December 4, 1884, for the sewer in Stark street.

A tract of land lying between the division line between the north and south halves of the Blackistone donation land claim, and the south boundary line of Sherlock's addition, and between the east side line of the proposed extension of North Twenty-first street, and a line parallel therewith and 100 feet easterly therefrom in the city of Portland; purchased April 2, 1885, for the extension of North Twenty-first street.

Lots 5 and 6, block 2, Carter's addition; purchased July 9, 1885, for the improvement of Fifteenth street.

Lot 4, block 3, Carter's addition; purchased February 5, 1885, for the improvement of Fifteenth street.

A triangular piece of land lying between Washington street, B street and Lownsdale street; purchased November 7, 1883, for the improvement of B street.

Lots 1, 2, 3 and 4, block 10, Carter's addition; purchased February 5, 1885, for the improvement of Fifteenth street.

Lot 5, in block opposite A, in Caruthers' addition; purchased April 23, 1885, for the improvement of Hood street.

Lots 5, 6, 7 and 8, block 45, in Caruthers' addition; purchased February 5, 1885, for the extension of South Front street.

Lot 9, block B, Caruthers' addition; purchased June 11, 1885, for the improvement of Hood street.

A tract of land between block P and city tracts in the city of Portland; purchased December 4, 1884, for the improvement of Hood street.

Lots 1, 2 and 8, block 35, Carter's addition; purchased February 5, 1885, for the improvement of Montgomery street.

Lots 2 and 3, block 3, Carter's addition; purchased February 5, 1885, for the improvement of Fifteenth street.

North 21 feet of S. $\frac{1}{2}$ of lot 1, in block A, Caruthers' addition; for the improvement of Hood street.

Lot 7, block 113, Caruthers' addition; purchased April 16, 1888, for the improvement of South First street.

A tract of land which lies between the east line of North Twenty-first street and the west line of Blackistone street in Sherlock's addition and the division line between the north and south halves of Wm. Blackistone's donation land claim, and a line 100 feet southerly from and parallel with the south line of X street, saving and excepting that part of lots 1 and 4, which lie in the southeast quarter of block 6, in Sherlock's addition; purchased January 16, 1890, for the extension of Wilson street.

A tract of land which lies between the west line of North Eighteenth street, and 20 feet west of the west line of North Nineteenth street, if extended, and between the north line of the proposed extension of Wilson street, and the division line between the north and south halves of Blackistone's donation land claim, and between a line 100 feet northerly from and parallel with the north line of the proposed extension of Wilson street, and the southeasterly side line of Sherlock's addition; purchased January 16, 1890, for the extension of Wilson street.

All that part of Doscher's tract which lies between the east line of Blackistone street in Sherlock's addition, and the west line of North Twentieth street and the division line of the north and south halves of Blackistone's donation land claim, and a line 100 feet southerly from and parallel with the south line of X street; purchased January 16, 1890, for the extension of Wilson street.

A tract of land which lies between the west line of North Sixteenth street and North Front street, and the east line of North Eighteenth street, and between the north line of the proposed extension of Wilson street, and a line 100 feet northerly from and parallel with the north line of the proposed extension of Wilson street, excepting the right of way of the Northern Pacific Railroad Company and the Northern Pacific Terminal Company; purchased January 16, 1890, for the extension of Wilson street.

A tract of land being the east 100 feet of the north 30 feet of block south $\frac{1}{2}$ A, city; purchased March 26, 1884, for the improvement of Tenth street.

Lot 5, block C, Caruthers'; purchased June 18, 1884, for improvement of Front and South Front streets.

The east half of lot 4, of south $\frac{1}{2}$ of block I, city; purchased June 25, 1885, for improvement of Tenth street.

The fractional block between Ankeny, Pine, Sixth and Seventh streets; purchased June 19, 1877, for the improvement of Ankeny street, North Front to West Park streets.

Lot 2, block 2, Frush square; purchased November 2, 1872, for the improvement of J street.

Lot 6, block 1, Frush square; purchased November 2, 1872, for the improvement of J street.

Lot 5, block 1, Frush square; purchased November 2, 1872, for the improvement of J street.

Lot 7, block 1, Frush square; purchased November 2, 1872, for the improvement of J street.

Undivided $\frac{1}{2}$ of lot 7, block 216, Holladay's addition; purchased August 7, 1887, for the improvement of Fourth street.

3x100 feet on the east side of lots 5, 6, block 62, East Portland; purchased December 10, 1883, for the improvement of Third street.

Undivided $\frac{1}{2}$ of lot 8, block 211, Holladay's addition; purchased August 7, 1887, for the improvement of Fourth street.

Undivided $\frac{1}{2}$ of lot 7, block 221, Holladay's addition; purchased August 7, 1887, for the improvement of Fourth street.

Lots 15, 16, containing $12\frac{1}{2}$ acres of land, Riverside Homestead; purchased July 17, 1880, for taxes.

Lots 3, 4, block 106, Stephens' addition; purchased July 17, 1880, for taxes.

Lot 6, block E, Kern's addition; purchased July 17, 1880, for taxes.

Lot 2, block 79, Holladay's addition; purchased July 17, 1880, for taxes.

Undivided $\frac{1}{2}$ of lots 1, 2, block 16, McMillen's addition; purchased July 17, 1880, for taxes.

7 acres section 11, T. 1 S., R. 1 E.; purchased July 17, 1880, for taxes.

10 acres section 11, T. 1 S., R. 1 E.; purchased July 17, 1880, for taxes.

5 acres section 11, T. 1 S., R. 1 E.; purchased July 17, 1880, for taxes.

2 acres section 11, T. 1 S., R. 1 E.; purchased July 17, 1880, for taxes.

5 acres section 11, T. 1 S., R. 1 E.; purchased July 17, 1880, for taxes.

2 acres section 11, T. 1 S., R. 1 E.; purchased July 17, 1880, for taxes.

1 acre section 11, T. 1 S., R. 1 E.; purchased July 17, 1880, for taxes.

East $\frac{1}{2}$ of lots 3, 4, block 21, East Portland; purchased July 17, 1880, for taxes.

Lots 5, 6, block 17, Tibbetts' addition; purchased July 17, 1880, for taxes.

Lot 19, Riverside Homestead; purchased July 17, 1880, for taxes.

Lots 1, 2, block 1, McMillen's addition; purchased July 17, 1880, for taxes.

Lots 5, 6, and the S. 30 feet lot 7, block 243, Holladay's addition; purchased September 12, 1895, for the improvement of Union avenue.

The undivided $\frac{1}{2}$ of lot 3, block 242, Holladay's addition; purchased September 12, 1895, for the improvement of Union avenue.

Lots 10 and 11, block 1, East Irvington; purchased September 12, 1895, for the improvement of East Twenty-fourth street, formerly A street.

The right of way of the Portland Cable Railway Company; purchased September 12, 1895, for the improvement of Third street.

Lot 9, block 14, Multnomah, and the right of way of the City & Suburban Railway Company; purchased September 12, 1895, for the improvement of Mississippi avenue.

Lot 1, block 25, Caruthers' addition; purchased September 12, 1895, for the improvement of Caruthers street.

Lot 8, block 133, Caruthers' addition to Caruthers' addition; purchased September 12, 1895, for the improvement of Whittaker street.

A tract of land described as follows: Beginning at a point on the west line of South Second street 200 feet south of the south line of Sheridan street, run thence westerly 100 feet, thence southerly 20 feet, thence easterly 100 feet, thence northerly 20 feet to the place of beginning; purchased April 30, 1896, for the improvement of South Second street from Sheridan to Gibbs streets.

A tract of land described as follows: Beginning at a point on the west line of South Second street 220 feet south of the south line of Sheridan street, run thence westerly 100 feet, thence southerly 20 feet,

thence easterly 100 feet, thence northerly 20 feet to the place of beginning; purchased April 30, 1896, for the improvement of South Second street from Sheridan to Gibbs streets.

A tract of land described as follows: Beginning at a point on the east line of South Second street 220 feet south of the south line of Sheridan street, run thence easterly 100 feet, thence southerly 20 feet, thence westerly 100 feet, thence northerly 20 feet to the place of beginning; purchased April 30, 1896, for the improvement of South Second street from Sheridan to Gibbs streets.

Lot 8, block 14, Lincoln Park Annex; purchased October 10, 1896, for the improvement of Union avenue from Morris street to Prescott street.

Lot 7, block 14, Lincoln Park Annex; purchased October 10, 1896, for the improvement of Union avenue from Morris street to Prescott street.

An undivided three-fourths interest in a tract of land lying between the west line of Union avenue and a line 100 feet westerly from and parallel therewith and between the north line of Morris street and the south line of Fremont street; purchased October 10, 1896, for the improvement of Union avenue from Morris street to Prescott street.

DREGGING APPARATUS, ETC.

One steam dredger with machinery, tackle and apparel complete; 1 steam tug, Louisa Vaughn, with tackle and apparel complete.

Treasurer's Annual Report

FOR QUARTER ENDED MARCH 31, 1896.

Balance in treasury December 31, 1895.....		\$145,840.60
Balance in Sec. Sav. & Trust Co., Dec. 31, 1895..		7,017.39
Balance in New York, December 31, 1895.....		18,175.00
Received from all sources.....		72,317.73
Disbursed	\$171,734.15	
Balance in New York to redeem Int. coupons..	50.00	
Balance in Security Savings & Trust Company, deposited by order of Council.....	9,236.82	
Balance in the treasury	62,329.75	
		<hr/>
	\$243,350.72	\$243,350.72

GENERAL FUND.

Balance December 31, 1895		\$ 45,237.19
Received 87½ per cent. of \$33,429.40, licenses for quarter		29,250.72
Received dog licenses		253.50
Received A. W. Lambert, tax, 1894.....		96.35
Received A. W. Lambert, tax, 1895.....		303.92
Received John Foster, pound fees.....		56.00
Received J. W. Minto, costs.....		450.34
Received miscellaneous		149.22
Received delinquent taxes		375.62
Received H. Fleckenstein, safe sold.....		50.00
Received J. Paquet, rent		80.00
Received H. S. Allen, rent.....		40.00
Received Multnomah county, rent.....		440.00
Transferred to street-lamp fund.....	\$ 34,000.00	
Transferred to street-extension fund.....	46.23	
Warrants paid	55.05	
Interest paid	1.09	
Balance	42,680.49	
		<hr/>
	\$ 76,782.86	\$ 76,782.86

TREASURER'S REPORT.

FIRE DEPARTMENT FUND.

Balance December 31, 1895.....	\$	.51	
Received of H. H. Holmes, secretary.....		25.50	
Received of A. W. Lambert, tax, 1894-1895.....		360.56	
Balance	\$	386.57	
	\$	386.57	\$ 386.57

POLICE DEPARTMENT FUND.

Balance December 31, 1895.....	\$	.01	
Received of A. W. Lambert, tax, 1894-1895.....		291.55	
Balance	\$	291.56	
	\$	291.56	\$ 291.56

STREET CLEANING AND SPRINKLING FUND.

Balance December 31, 1895.....	\$	899.72	
Received 12½ per cent. of \$33,429.40, licenses for quarter		4,178.68	
Received from B. M. Smith, judge, fines and costs in municipal court.....		2,055.50	
Warrants paid	\$	6,728.09	
Interest paid		190.57	
Balance		215.24	
	\$	7,133.90	\$ 7,133.90

BOILER INSPECTOR'S FUND.

Balance December 31, 1895.....	\$	263.95	
Received from W. T. Everson, inspector.....		229.50	
Warrants paid	\$	449.95	
Balance		43.50	
	\$	493.45	\$ 493.45

SEALER WEIGHTS AND MEASURES FUND.

Balance December 31, 1895.....	\$	18.40	
Warrants paid	\$	18.40	
	\$	18.40	\$ 18.40

TREASURER'S REPORT.

STREET IMPROVEMENT FUND.

Balance December 31, 1895.....	\$	4,888.94	
Received sundry collections.....		10,500.07	
Warrants paid	\$	9,646.08	
Balance		5,742.93	
	\$	15,389.01	\$ 15,389.01

BRIDGE AND FERRY BOND INTEREST FUND.

Balance in New York December 31, 1895.....	\$	12,625.00	
Balance in treasury December 31, 1895.....		1,281.25	
Coupons and warrants paid and returned.....	\$	12,606.25	
Balance in New York.....		50.00	
Balance in treasury		1,250.00	
	\$	13,906.25	\$ 13,906.25

SEWER FUND.

Balance December 31, 1895.....	\$	1,767.65	
Received sundry collections.....		12,047.98	
Warrants paid	\$	12,180.39	
Balance		1,635.24	
	\$	13,815.63	\$ 13,815.63

IMPROVEMENT FUND.

Balance in treasury December 31, 1895.....	\$	.06	
Balance in Sec. Sav. & Trust Company.....		7,017.39	
Received sundry collections.....		2,219.37	
Deposited with Security Savings & Trust Com- pany, by order of Council.....	\$	9,236.82	
	\$	9,236.82	\$ 9,236.82

STREET EXTENSION FUND.

Balance December 31, 1895.....	\$	2,743.51	
Received sundry collections.....		148.01	
Transferred from general fund.....		46.23	
Warrants paid	\$	179.59	
Balance		2,758.16	
	\$	2,937.75	\$ 2,937.75

LITIGATION FUND.

Balance December 31, 1895.....	\$	40.65	
Received from general fund.....		400.00	
Disbursed on order of City Attorney.....	\$	306.01	
Balance		134.64	
	\$	440.65	\$ 440.65

BONDED INDEBTEDNESS INTEREST FUND.

Balance in treasury December 31, 1895.....	\$	13,058.84	
Balance in New York.....		5,550.00	
Received from A. W. Lambert.....		76.07	
Placed in fund by order Hon. L. B. Stearns.....		6,312.31	
Coupons and warrants paid.....	\$	21,853.00	
Balance		3,144.22	
	\$	24,997.22	\$ 24,997.22

IMPROVEMENT BOND INTEREST FUND.

Balance December 31, 1895.....	\$	607.11	
Transferred street and sewer interest fund.....		236.44	
Received sundry collections.....		1,122.58	
Coupons redeemed	\$	865.21	
Balance		1,100.92	
	\$	1,966.13	\$ 1,966.13

STREET LAMP FUND.

Balance December 31, 1895.....	\$	14.08	
Transferred from general fund.....		34,000.00	
Warrants paid	\$	32,834.32	
Interest paid		1,172.59	
Balance		7.17	
	\$	34,014.08	\$ 34,014.08

WILLAMETTE RIVER FUND.

Balance December 31, 1895.....	\$	8.71	
Balance	\$	8.71	
	\$	8.71	\$ 8.71

WATER BOND INTEREST FUND.

Balance December 31, 1895.....		\$ 72,550.00	
Coupons redeemed	\$	72,475.00	
Balance		75.00	
	\$	72,550.00	\$ 72,550.00

STREET AND SEWER INTEREST FUND.

Balance December 31, 1895.....	\$	2,058.20	
Received sundry collections.....		804.38	
Transferred to improvement bond Int. fund....	\$	236.44	
Disbursed		162.56	
Balance		2,463.58	
	\$	2,862.58	\$ 2,862.58

EAST SIDE WATER EXPENSE FUND.

Balance December 31, 1895.....	\$	91.70	
Warrants paid	\$	10.00	
Balance		81.70	
	\$	91.70	\$ 91.70

EAST PORTLAND WATER FUND.

Balance December 31, 1895.....	\$	16.35	
Balance	\$	16.35	
	\$	16.35	\$ 16.35

FIRE BADGE REDEMPTION FUND.

Balance December 31, 1895.....	\$	76.00	
Balance	\$	76.00	
	\$	76.00	\$ 76.00

BOULEVARD FUND.

Balance December 31, 1895.....	\$	217.77	
Balance	\$	217.77	
	\$	217.77	\$ 217.77

GENERAL SUMMARY.

Balance in treasury as stated.....	\$ 62,329.75
Balance in New York.....	50.00
Balance in Security Savings & Trust Co.....	9,236.82

Credited as follows:

General fund	\$ 42,680.49
Fire Department fund.....	386.57
Police Department fund.....	291.56
Street Cleaning and Sprinkling fund.....	215.24
Boiler Inspector's fund.....	43.50
Street improvement	5,742.93
Bridge and ferry bond interest.....	1,250.00
Bridge and ferry bond interest, New York.....	50.00
Sewer fund	1,635.24
Improvement fund deposited in Security Savings & Trust Company	9,236.82
Street extension	2,758.16
Litigation	134.64
Bonded indebtedness interest.....	3,144.22
Street lamp	7.17
Willamette river	8.71
Water bond interest.....	75.00
Street and sewer interest.....	2,463.58
East Side water expense.....	81.70
Water (East Portland)	16.35
Fire badge redemption.....	76.00
Boulevard	217.77
Improvement bond interest fund.....	1,100.92
	<u>\$ 71,616.57</u> <u>\$ 71,616.57</u>

STREET IMPROVEMENT FUND.

Balance in this fund, as stated.....	\$ 5,742.93
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Credited as follows:

Fifth	\$ 34.60
Clinton	62.73
Clifton	79.00
Chapman	35.05
North Fourteenth	55.40

South Front	18.55
Hood	14.64
Taylor	1.41
North Eighteenth	27.67
South Second	1.85
R	186.75
Hood, Marquam gulch to Grover.....	184.05
Thirteenth, College to Hawthorne.....	25.00
Clay	4.80
Fifth	207.47½
Myrtle	50.90
G, East to West End.....	21.20
North Sixteenth, G to M.....	13.19
Elliott	91.62
North Twenty-second, J to P.....	41.41
H, East to West End.....	10.45
H, Twenty-second to Twenty-third.....	43.64
North Twenty-third, F to J.....	45.54
Missouri avenue, Multnomah to Grant.....	30.00
G, Third to West Park.....	13.74
Multnomah, Grover to Curry.....	9.10
East Glisan, Ninth to Twelfth.....	6.00
East Sixteenth, Holladay to Belmont.....	45.73
Weidler	54.01
East Twelfth, Hancock to Thompson.....	9.16
East Eighth, Flanders to Riverside Homestead..	302.53
Shaver, Maryland to Williams.....	34.04
Montana, Fremont to Multnomah.....	385.43
East Twentieth, Hawthorne to East Stark.....	18.86
Union, Broadway to Schuyler.....	54.40
East Twenty-fourth, formerly A.....	30.96
East Oak, Second to Washington.....	1.85
East Eighth, Ainsworth to Dekum.....	15.25
Tenino avenue	3.80
Union	647.84
Fourth	51.02
Spokane avenue	64.15
Fifth	47.08
Umatilla avenue	361.23
Shaver	14.50
East Seventeenth	12.00
East Harrison, Eleventh to Third.....	44.25
Cleveland avenue	3.75
Twenty-fourth, Glisan to Savier.....	68.13
Vancouver, Russell to Morris.....	16.25

Willamette	64.72 ¹ / ₂
Nebraska	11.47
Portsmouth avenue	25.49
Sixth, Morrison to Hoyt.....	36.42
Beacon	11.25
Cable	4.00
Milwaukie and East Eleventh.....	97.13
Powell	27.34
Hawthorne Terrace	4.40
East Burnside	90.19
Mallory avenue	11.50
East Stark	33.76
Elm	3.00
Hoyt	2.50
East Ninth	12.69
Water and Hood.....	18.00
Madrona avenue	17.63
Fremont	211.96
Grand avenue	59.26
Nineteenth	2.00
Front	23.40
East Second	5.88
Third, Main to Columbia.....	6.50
Columbia	1.50
Grand avenue	12.24
Union avenue	29.43
Corbett	1.90
Marshall	117.43
Hawthorne avenue	97.00
Hamilton avenue	2.25
Clinton	23.29
Kelly	2.25
Gantenbein avenue	144.08
Commercial	251.28
Madison	2.25
Nartilla	2.00
East Water	612.78
Couch	9.75
Taylor	1.25
Monroe .....	.88
Kerby	5.73
M, Fourth to Twelfth.....	43.16

\$ 5,742.93 \$ 5,742.93

SEWER FUND.

Balance in this fund, as stated..... \$ 1,635.24

Credited as follows:

P	\$ 221.06
Q	127.26
Marquam Gulch	6.70
Pennoyer	9.07
East Seventh, Broadway to Holladay.....	36.85
Curry	48.64
Williams avenue et al.....	94.60
Whitaker	1.05
Albina avenue	32.23
East First et al.....	60.13
Corbett	13.73
Pacific et al	1.60
East Second, Weidler to Holladay.....	88.40
East Sixteenth	32.50
East Alder et al.....	173.19
East Yamhill	7.76
East Thirty-fifth	2.95
Russell	4.00
East Fifteenth, Morrison to Taylor.....	14.45
East Alder, Seventh to Ninth.....	54.12
Taylor, East Nineteenth to Twenty-sixth.....	13.92
Hood, Gibbs to Wood.....	24.60
East Third, Hawthorne to Schuyler.....	15.17
East Clay, Union to River.....	12.10
East Seventh et al.....	11.16
Lovejoy	45.40
Rodney avenue et al.....	38.48
East Twentieth, Washington to Belmont.....	3.18
Vancouver avenue, Tillamook to Hancock.....	9.00
Vancouver avenue, Hancock to Wheeler.....	94.81
Belmont	14.50
First	7.20
Macadam	4.00
East Twelfth et al.....	94.05
Pacific	10.30
Portland Heights	10.02
Rodney avenue and Stanton.....	15.25
East Eighth, Broadway to Schuyler.....	38.23
East Twelfth, Washinton to Alder.....	67.87
East Salmon	75.71

\$ 1,635.25 \$ 1,635.24

STREET EXTENSION FUND.

Balance in this fund, as stated..... \$ 2,758.16

Credited as follows:

V	\$ 472.50
Heights Terrace	10.00
W	671.00
Fourth	153.75
Eleventh, Division to Beacon.....	14.70
Ninth	30.00
Vancouver avenue	97.00
Q	5.00
Hawthorne avenue	19.40
Cable	96.70
Powell	36.30
East Fifth	6.00
Twenty-sixth	536.10
Dawson	26.40
East Fourteenth	190.00
Commercial	26.00
Peninsular avenue	149.10
Clinton	68.65
East Twenty-eighth	99.35
Corbett	19.21
Willis Boulevard	31.00

\$ 2,758.16 \$ 2,758.16

Respectfully submitted,

FRANK HACHENEX,
City Treasurer.

I hereby certify that the above is a correct copy of the Quarterly Report of the City Treasurer for the quarter ending March 31, 1896.

A. N. GAMBELL,
Auditor.

FOR QUARTER ENDED JUNE 30, 1896.

Balance in treasury as per report, March 31, 1896	\$ 62,329.75
Balance in Security Savings & Trust Company, as per report March 31, 1896.....	9,236.82
Balance in New York, as per report March 31, 1896	50.00
Received from all sources.....	195,491.49
Disbursed	\$116,356.69
Balance in New York to redeem interest coupons	13,840.00
Balance in Security Savings & Trust Company..	9,236.82
Balance in the treasury.....	127,674.55
	\$267,108.06 \$267,108.06

GENERAL FUND.

Balance March 31, 1896.....	\$ 42,680.49
Received 87½ per cent \$32,791.10 general licenses for quarter	28,692.21
Received dog licenses for quarter.....	43.50
Received A. W. Lambert, taxes, 1894.....	92.02
Received A. W. Lambert, taxes, 1895.....	764.61
Received A. W. Lambert, taxes, 1896.....	50,898.81
Received John Foster, pound fees.....	80.00
Received J. W. Minto, costs.....	328.45
Received miscellaneous	181.96
Received delinquent taxes	160.50
Received H. S. Allen, school clerk, rent.....	80.00
Received A. W. Lambert, county treasurer, rent.	120.00
Warrants paid and returned.....	\$ 59,695.34
Interest paid on warrants.....	3,138.07
Transferred to bonded indebtedness, Int. fund..	47,270.00
Balance	14,019.14
	\$124,122.55 \$124,122.55

FIRE DEPARTMENT FUND.

Balance March 31, 1896.....	\$ 386.57
Received from H. H. Holmes, secretary.....	2.00
Received from A. W. Lambert, taxes, 1894.....	121.07
Received from A. W. Lambert, taxes, 1895.....	588.16
Received from A. W. Lambert, taxes, 1896.....	20,359.53

Warrants paid	\$ 13,684.92	
Interest paid	434.07	
Balance	7,338.34	
	<hr/>	
	\$ 21,457.33	\$ 21,457.33

POLICE DEPARTMENT FUND.

Balance March 31, 1896.....	\$	291.56	
Received from A. W. Lambert, taxes, 1894.....		77.49	
Received from A. W. Lambert, taxes, 1895.....		529.35	
Warrants paid	\$	22.05	
Balance		876.35	
	<hr/>		
	\$	898.40	\$ 898.40

STREET CLEANING AND SPRINKLING FUND.

Balance March 31, 1896.....	\$	215.24	
Received 12½ per cent. \$32,791.10 licenses for quarter		4,098.89	
Received from B. M. Smith, fines and costs in municipal court		891.40	
Warrants paid	\$	4,739.49	
Interest paid		176.69	
Balance		289.35	
	<hr/>		
	\$	5,205.53	\$ 5,205.53

BOILER INSPECTOR'S FUND.

Balance March 31, 1896.....	\$	43.50	
Received from W. T. Everson, inspector.....		302.00	
Warrants paid	\$	332.50	
Balance		13.00	
	<hr/>		
	\$	345.50	\$ 345.50

STREET IMPROVEMENT FUND.

Received March 31, 1896.....	\$	5,742.93	
Received sundry collections.....		5,109.25	
Warrants paid	\$	4,483.11	
Balance		6,369.07	
	<hr/>		
	\$	10,852.18	\$ 10,852.18

BRIDGE AND FERRY BOND INTEREST FUND.

Balance March 31, 1896, New York.....	\$	50.00	
Balance March 31, 1896, in treasury.....		1,250.00	
Coupons redeemed	\$	750.00	
Balance in New York.....		50.00	
Balance in treasury.....		500.00	
	<hr/>		
	\$	1,300.00	\$ 1,300.00

SEWER FUND.

Balance March 31, 1896.....	\$	1,635.24	
Received sundry collections.....		4,113.26	
Warrants paid	\$	4,009.53	
Balance		1,738.97	
	<hr/>		
	\$	5,748.50	\$ 5,748.50

IMPROVEMENT FUND.

Balance in Security Savings & Trust Company March 31, 1896.....	\$	9,236.82	
Received sundry collections.....		459.90	
Balance in Security Savings & Trust Company..	\$	9,236.82	
Balance in treasury		459.90	
	<hr/>		
	\$	9,696.72	\$ 9,696.72

STREET EXTENSION FUND.

Balance March 31, 1896.....	\$	2,758.16	
Received sundry collections.....		4,207.68	
Warrants paid	\$	4,149.05	
Balance		2,816.79	
	<hr/>		
	\$	6,965.84	\$ 6,965.84

LITIGATION FUND.

Balance March 31, 1896.....	\$	134.64	
Disbursed	\$	50.75	
Balance		83.89	
	<hr/>		
	\$	134.64	\$ 134.64

BONDED INDEBTEDNESS INTEREST FUND.

Balance March 31, 1896.....	\$ 3,144.22	
Transferred from general fund.....	47,270.00	
Received from A. W. Lambert, taxes.....	72.64	
Disbursed	\$ 19,480.00	
Balance in New York.....	13,790.00	
Balance in treasury.....	17,216.86	
	<u>\$ 50,486.86</u>	<u>\$ 50,486.86</u>

IMPROVEMENT BOND INTEREST FUND.

Balance March 31, 1896.....	\$ 1,100.92	
Received sundry collections.....	55.72	
Coupons redeemed	\$ 15.57	
Balance	1,141.07	
	<u>\$ 1,156.64</u>	<u>\$ 1,156.64</u>

STREET LAMP FUND.

Balance March 31, 1896.....	\$ 7.17	
Balance	\$ 7.17	
	<u>\$ 7.17</u>	<u>\$ 7.17</u>

WILLAMETTE RIVER FUND.

Balance March 31, 1896.....	\$ 8.71	
Balance	\$ 8.71	
	<u>\$ 8.71</u>	<u>\$ 8.71</u>

WATER BOND INTEREST FUND.

Balance March 31, 1896.....	\$ 75.00	
Received from City Water committee.....	72,500.00	
Coupons redeemed	\$ 50.00	
Balance	72,525.00	
	<u>\$ 72,575.00</u>	<u>\$ 72,575.00</u>

STREET AND SEWER INTEREST FUND.

Balance March 31, 1896.....	\$ 2,463.58	
Received sundry collections.....	561.09	
Warrants paid	\$ 1,145.55	
Balance	1,879.12	
	<u>\$ 3,024.67</u>	<u>\$ 3,024.67</u>

EAST SIDE WATER EXPENSE FUND.

Balance March 31, 1896.....	\$ 81.70	
Balance	\$ 81.70	
	<u>\$ 81.70</u>	<u>\$ 81.70</u>

EAST PORTLAND WATER FUND.

Balance March 31, 1896.....	\$ 16.35	
Balance	\$ 16.35	
	<u>\$ 16.35</u>	<u>\$ 16.35</u>

FIRE BADGE REDEMPTION FUND.

Balance March 31, 1896.....	\$ 76.00	
Balance	\$ 76.00	
	<u>\$ 76.00</u>	<u>\$ 76.00</u>

BOULEVARD FUND.

Balance March 31, 1896.....	\$ 217.77	
Balance	\$ 217.77	
	<u>\$ 217.77</u>	<u>\$ 217.77</u>

GENERAL SUMMARY.

Balance in treasury, as stated.....	\$127,674.55
Balance in Security Savings & Trust Company, as stated	9,236.82
Balance in New York, as stated.....	13,840.00

Credited as follows:

General fund	\$ 14,019.14
Fire Department fund.....	7,338.34
Police Department fund.....	876.35
Street Cleaning and Sprinkling fund.....	289.35
Boiler Inspector's fund.....	13.00
Street Improvement fund.....	6,369.07
Bridge and ferry bond interest in treasury.....	500.00
Bridge and ferry bond interest in New York.....	50.00
Sewer fund	1,738.97
Improvement deposit in Security Savings & Trust Company	9,236.82
Improvement deposit in treasury.....	459.90
Street extension	2,816.79
Litigation	83.89
Bonded indebtedness interest in New York.....	13,790.00
Bonded indebtedness interest in treasury.....	17,216.86
Improvement bond interest.....	1,141.07
Street lamp	7.17
Willamette river	8.71
Water bond interest.....	72,525.00
Street and sewer interest	1,879.12
East Side water expense.....	81.70
Water (East Portland)	16.35
Fire badge redemption.....	76.00
Boulevard	217.77
	<hr/>
	\$150,751.37 \$150,751.37

STREET IMPROVEMENT FUND.

Balance in this fund, as stated..... \$ 6,369.07

Credited as follows:

Fifth, Stephens to Adams.....	34.60
Clinton, Twelfth to Twenty-first.....	62.73
R.	186.75
Chapman	35.05
North Fourteenth, B to U.....	55.40
South Front, Gaines to First avenue.....	18.55
Hood	14.64
Clifton	79.00
Taylor	1.41
Hood, Marquam gulch to Grover.....	184.05
Thirteenth, College to Hawthorne.....	25.00

North Eighteenth	27.65
Clay, Fourth to east boundary East Portland....	4.80
South Second, Sheridan to Gibbs.....	1.85
Fifth, K. to Ellsworth.....	207.47½
Myrtle, Thirteenth to Nineteenth.....	50.90
G, east to west end.....	21.20
North Sixteenth, G to M.....	6.94
Elliott, Helen to Williams.....	91.62
North Twenty-second, J to P.....	41.41
H, east to west end.....	10.45
H, Twenty-second to Twenty-third.....	43.64
North Twenty-third, F to J.....	45.54
Missouri, Multnomah to Grant.....	30.00
G, Third to West Park.....	13.74
Multnomah, Grover to Curry.....	9.10
East Glisan, Ninth to Twelfth.....	6.00
East Sixteenth, Holladay to Belmont.....	45.73
Weidler	54.01
East Twelfth, Hancock to Thompson.....	9.16
East Eighth, Flanders to Riverside Homestead..	239.81
Shaver, Maryland avenue to Williams.....	34.04
Montana, Fremont to Multnomah.....	385.43
East Twentieth, Hawthorne to East Stark.....	18.86
Union avenue, Broadway to Schuyler.....	54.40
East Twenty-fourth, formerly A.....	30.96
East Oak, Second to Water.....	1.85
East Eighth, Ainsworth to Dekum avenue.....	15.25
Tenino avenue	3.80
Union avenue, Morris to Prescott.....	647.84
Fourth, Sellwood	51.02
Spokane avenue	64.15
Fifth	47.08
Umatilla avenue	361.23
Shaver, Williams to Union.....	14.75
East Seventeenth, Morrison to Stark.....	12.00
East Harrison, Eleventh to Third.....	44.25
Cleveland avenue	3.75
Twenty-fourth, Glisan to Savier.....	68.13
Vancouver avenue, Russell to Morris.....	16.25
Willamette	12.25½
Nebraska	11.47
Portsmouth avenue	25.49
Sixth, Morrison to Hoyt.....	5.46
Beacon	11.25
Cable	4.00

Milwaukie and East Eleventh.....	97.13
Powell	27.34
Hawthorne Terrace	4.40
East Burnside	30.75
Mallory avenue	29.84
East Stark	33.76
Elm	3.00
Hoyt	2.50
East Ninth	12.69
Water and Hood.....	18.00
Madrona	17.63
Fremont	94.27
Grand avenue	59.26
Nineteenth	64.97
Front	23.40
East Second	5.88
Third, Main to Columbia.....	6.50
Columbia	1.50
Grand avenue	12.24
Union avenue	29.68
Corbett	1.90
Marshall	6.73
Hawthorne avenue	97.00
South ½ Hamilton avenue.....	2.25
Clinton	24.64
Kelly	2.25
Gantenbein avenue	147.71
Commercial	199.97
Madison	2.50
Nartilla	19.68
East Water	27.87
Couch	14.00
Taylor	2.25
Monroe	46.20
Kerby	110.81
M, Fourth to Twelfth.....	43.16
Twenty-fourth, Thurman to Vaughn.....	16.50
First, Hancock to Holladay.....	1,405.87
Sixteenth, Mill to Montgomery.....	19.85

\$ 6,369.07 \$ 6,369.07

SEWER FUND.

Balance in this fund, as stated..... \$ 1,738.97

Credited as follows:

P	\$ 216.64
Q	127.26
Marquam Gulch	6.70
Pennoyer	9.07
East Seventh, Broad to Holladay.....	36.85
Curry	48.64
Williams avenue et al.....	90.00
Whitaker	1.05
Albina avenue	32.23
East First et al.....	60.13
Corbett	13.73
East Oak et al.....	151.93
Pacific et al	1.60
East Second, Weidler to Holladay.....	88.40
East Sixteenth, Washington to Taylor.....	32.50
East Alder et al.....	298.42
East Yamhill, Thirty-fourth to Thirty-fifth.....	7.76
East Thirty-fifth, Morrison to Yamhill.....	2.95
Russell	4.00
East Fifteenth, Morrison to Taylor.....	14.45
East Alder, Seventh to Ninth.....	54.12
East Taylor, Nineteenth to Twenty-sixth.....	13.92
Hood, Gibbs to Wood.....	24.60
East Third, Hancock to Schuyler.....	15.17
East Clay, Union avenue to river.....	12.10
East Seventh et al.....	11.16
Lovejoy	49.21
Rodney avenue et al.....	2.73
East Twentieth, Washington to Belmont.....	27.48
Vancouver avenue, Tillamook to Hancock.....	9.00
Vancouver avenue, Hancock to Wheeler.....	19.81
Belmont, Thirty-first to Thirty-second.....	17.70
First	7.20
Macadam	4.00
East Twelfth et al.....	94.05
Pacific, Eighth to Grand.....	24.80
Rodney avenue and Stanton.....	9.55
East Eighth, Broadway to Schuyler.....	.23
East Twelfth, Washington to Alder.....	.22
East Salmon	48.26

East Eleventh, Division to Hawthorne.....	5.00
Vancouver avenue, Page to Tillamook.....	6.50
East Ninth, Sherman to Hawthorne.....	16.10
East Thirty-fourth, Washington to 100 feet nor of Belmont	18.25
Rodney avenue, Morris to Stanton.....	3.50
	<u>\$ 1,738.97 \$ 1,738.97</u>

STREET EXTENSION FUND.

Balance in this fund, as stated..... \$ 2,816.79

Credited as follows:

V	\$ 472.50
Heights Terrace	10.00
W	671.00
Fourth	153.75
Eleventh, Division to Beacon.....	14.70
Ninth	30.00
Vancouver avenue	97.00
Q	5.00
Hawthorne avenue	19.40
Cable	96.70
Powell	36.30
East Fifth	6.00
Twenty-sixth	536.10
Dawson	26.40
East Fourteenth, Oak to Yamhill.....	190.00
Commercial	26.00
Peninsular avenue	149.10
Clinton	53.10
East Twenty-eighth	91.45
Corbett	101.29
Willis Boulevard	31.00
	<u>\$ 2,816.79 \$ 2,816.79</u>

Respectfully submitted,

FRANK HACHENY,
City Treasurer.

I hereby certify that the above is a correct copy of the Quarterly Report of the City Treasurer for the quarter ending June 30, 1896.

A. N. GAMBELL,
Auditor.

FOR QUARTER ENDED SEPTEMBER 30, 1896.

Balance in treasury, June 30, 1896.....	\$127,674.55
Balance in Security Savings & Trust Company..	9,236.82
Balance in New York.....	13,840.00
Received from all sources.....	276,880.26
Disbursed	\$333,713.72
Balance in New York to redeem interest coupons	145.00
Balance in Security Savings & Trust Company.	9,236.82
Balance in treasury	84,536.09
	<u>\$427,631.63 \$427,631.63</u>

GENERAL FUND.

Balance June 30, 1896.....	\$ 14,019.14
Received 87½ per cent. \$32,267, general licenses for quarter	28,233.63
Received dog licenses	1,737.00
Received R. W. Hoyt, 5 mills of \$153,924.60, tax 1896	109,946.15
Received R. W. Hoyt, delinquent tax 1894.....	51.52
Received rent of offices in City Hall.....	270.00
Received John Foster, pound fees.....	145.00
Received delinquent taxes	168.98
Received J. W. Minto, costs, etc.....	316.02
Received miscellaneous cost	80.08
Received hauling dead animals	2.00
Received A. N. Gambell, Auditor, account Morri- son street	10,000.00
Received Shaver Transportation Company, pur- chase of steamer J. B. Stephens.....	150.00
Transferred to street-lamp fund.....	\$ 55,600.00
Transferred to bond-indebtedness interest fund.	6,250.00
Interest paid on warrants.....	1,859.97
Warrants paid	50,309.19
Balance held by order of court pending final decision in 2-mill suit.....	51,100.36
	<u>\$165,119.52 \$165,119.52</u>

FIRE DEPARTMENT FUND.

Balance June 30, 1896.....	\$ 7,338.34	
Received delinquent tax.....	67.78	
Received 2 mills of \$153,924.60, tax 1896.....	43,978.45	
Interest paid on warrants.....	\$ 1,149.62	
Warrants paid	49,598.62	
Balance	636.33	
	<hr/>	
	\$ 51,384.57	\$ 51,384.57

POLICE DEPARTMENT FUND.

Balance June 30, 1896.....	\$ 876.35	
Received delinquent taxes.....	43.39	
Interest paid on warrants.....	\$ 32.88	
Warrants paid	823.30	
Balance	63.56	
	<hr/>	
	\$ 919.74	\$ 919.74

STREET CLEANING AND SPRINKLING FUND.

Balance June 30, 1896.....	\$ 289.35	
Received 12½ per cent. \$32,267, general licenses.	4,033.37	
Received B. M. Smith, fines and costs in municipal court	341.00	
Received A. Sweek, fines and costs in municipal court	956.00	
Interest paid on warrants.....	\$ 204.42	
Warrants paid	4,651.76	
	<hr/>	
	\$ 5,619.72	\$ 5,619.72

BOILER INSPECTOR'S FUND.

Balance June 30, 1896.....	\$ 13.00	
Balance	\$ 13.00	
	<hr/>	
	\$ 13.00	\$ 13.00

STREET IMPROVEMENT FUND.

Balance June 30, 1896.....	\$ 6,369.07	
Received sundry collections.....	72,327.58	
Warrants paid	\$ 63,398.93	
Balance	15,297.72	
	<hr/>	
	\$ 78,696.65	\$ 78,696.65

BRIDGE AND FERRY BOND INTEREST FUND.

Balance in treasury, June 30, 1896.....	\$ 500.00	
Balance in New York, June 30, 1896.....	50.00	
Coupons redeemed	\$ 50.00	
Balance	500.00	
	<hr/>	
	\$ 550.00	\$ 550.00

SEWER FUND.

Balance June 30, 1896.....	\$ 1,738.97	
Received sundry collections.....	3,343.15	
Warrants paid	\$ 3,272.45	
Balance	1,809.67	
	<hr/>	
	\$ 5,082.12	\$ 5,082.12

IMPROVEMENT FUND.

Balance in treasury, June 30, 1896.....	\$ 459.90	
Balance in Security Savings & Trust Company, June 30, 1896	9,236.82	
Received sundry collections	112.89	
Balance in Security Savings & Trust Company..	\$ 9,236.82	
Balance in treasury.....	572.79	
	<hr/>	
	\$ 9,809.61	\$ 9,809.61

STREET EXTENSION FUND.

Balance June 30, 1896.....	\$ 2,816.79	
Warrants paid	\$ 221.43	
Balance	2,595.36	
	<hr/>	
	\$ 2,816.79	\$ 2,816.97

LITIGATION FUND.

Balance June 30, 1896.....	\$	83.89	
Received from City Water committee.....		10.00	
Claims paid	\$	64.85	
Balance		29.04	
	\$	93.89	\$ 93.89

BONDED INDEBTEDNESS INTEREST FUND.

Balance June 30, 1896.....	\$	17,216.86	
Balance in New York.....		13,790.00	
Received delinquent taxes		40.67	
Transferred from general fund.....		6,250.00	
Coupons and warrants paid.....	\$	31,391.50	
Balance in New York.....		145.00	
Balance in treasury		5,761.03	
	\$	37,297.53	\$ 37,297.53

IMPROVEMENT BOND INTEREST FUND.

Balance June 30, 1896.....	\$	1,141.07	
Received sundry collections.....		143.73	
Coupons paid	\$	972.09	
Balance		312.71	
	\$	1,284.80	\$ 1,284.80

STREET LAMP FUND.

Balance June 30, 1896.....	\$	7.17	
Transferred from general fund.....		55,600.00	
Interest paid on warrants.....	\$	2,068.99	
Warrants paid		53,447.41	
Balance		90.77	
	\$	55,607.17	\$ 55,607.17

WILLAMETTE RIVER FUND.

Balance June 30, 1896.....	\$	8.71	
Balance	\$	8.71	
	\$	8.71	\$ 8.71

WATER BOND INTEREST FUND.

Balance June 30, 1896.....		\$ 72,525.00	
Coupons paid	\$	69,850.00	
Balance		2,675.00	
	\$	72,525.00	\$ 72,525.00

EAST SIDE WATER EXPENSE FUND.

Balance June 30, 1896.....	\$	81.70	
Balance	\$	81.70	
	\$	81.70	\$ 81.70

EAST PORTLAND WATER FUND.

Balance June 30, 1896.....	\$	16.35	
Balance	\$	16.35	
	\$	16.35	\$ 16.35

FIRE BADGE REDEMPTION FUND.

Balance June 30, 1896.....	\$	76.00	
Balance	\$	76.00	
	\$	76.00	\$ 76.00

BOULEVARD FUND.

Balance June 30, 1896.....	\$	217.77	
Balance	\$	217.77	
	\$	217.77	\$ 217.77

STREET AND SEWER INTEREST FUND.

Balance June 30, 1896.....	\$	1,879.12	
Received sundry collections.....		381.87	
Disbursed	\$	346.31	
Balance		1,914.68	
	\$	2,260.99	\$ 2,260.99

GENERAL SUMMARY.

Balance in treasury	\$ 84,536.09
Balance in New York.....	145.00
Balance in Security Savings & Trust Company..	9,236.82
Credited as follows:	
General fund	\$ 51,100.35
Fire Department fund.....	636.33
Police Department fund.....	63.55
Street Cleaning and Sprinkling fund.....	763.54
Boiler Inspector's fund	13.00
Street Improvement fund.....	15,297.72
Bridge and ferry interest fund.....	500.00
Sewer fund	1,809.67
Improvement fund in treasury.....	572.79
Improvement fund in Sec. Sav. & Trust Co.....	9,236.82
Street extension	2,595.36
Litigation	29.04
Bonded indebtedness interest in treasury.....	5,761.03
Bonded indebtedness interest in New York.....	145.00
Improvement bond interest fund.....	312.71
Street lamp	90.77
Willamette river fund.....	8.71
Water bond interest.....	2,675.00
East Side water expense.....	81.70
East Portland water.....	16.35
Fire badge redemption.....	76.00
Bonlevard	217.77
Street and sewer interest fund.....	1,914.68
	<hr/>
	\$ 93,917.91 \$ 93,917.91

STREET IMPROVEMENT FUND.

Balance as stated.....	\$ 15,297.72
Credited as follows:	
Fifth, Stephens to Adams.....	\$ 34.60
M, Fourth to Twelfth.....	43.16
Clinton, Twelfth to Twenty-first.....	62.73
R	186.75
Chapman	35.05
South Front, Gaines to First avenue.....	18.55
Hood	14.64

Clifton	79.00
Taylor	1.41
Hood, Marquam gulch to Grover.....	184.05
Thirteenth, College to Hawthorne.....	25.00
North Eighteenth	27.67
Clay, Fourth to east boundary city.....	4.80
South Second, Sheridan to Gibbs.....	1.85
Fifth, K to Ellsworth.....	207.47½
Myrtle, Thirteenth to Nineteenth.....	50.90
G, east to west end.....	21.20
Elliott, Helm to Williams.....	91.61
North Twenty-second, J to P.....	41.41
H, east to west end.....	10.45
H, Twenty-second to Twenty-third.....	43.64
North Twenty-third, F to J.....	45.54
Missouri, Multnomah to Grant.....	30.00
G, Third to West Park.....	13.74
Multnomah, Grover to Curry.....	9.10
East Glisan, Ninth to Twelfth.....	6.00
East Sixteenth, Holladay to Belmont.....	45.73
Weidler	54.01
Lane avenue	18.52
East Twelfth, Hancock to Thompson.....	7.50
East Eighth, Flanders to Riverside Homestead.....	239.81
Shaver, Maryland to Williams.....	34.04
Montana, Fremont to Multnomah.....	385.43
East Twentieth, Hawthorne to East Stark.....	18.86
Union avenue, Broadway to Schuyler.....	54.40
East Twenty-fourth, formerly A.....	30.96
East Oak, Second to Water.....	1.85
East Eighth, Ainsworth to Dekum.....	15.25
Tenino avenue	3.80
Union avenue, Morris to Prescott.....	647.84
Fourth, Sellwood	106.49
Spokane avenue	64.15
Fifth	47.08
Umatilla avenue	361.23
Morrison	6.57
Shaver, Williams to Union avenue.....	14.75
East Seventeenth	12.00
East Harrison	44.25
Cleveland avenue	4.00
Twenty-fourth	68.13
Vanconver avenue	16.25
Willamette	12.25½

Nebraska	11.47
Portsmouth avenue	25.49
Sixth	5.45
Beacon	11.25
Cable	4.00
Milwaukie and East Eleventh.....	97.13
Powell	27.59
Hawthorne Terrace	4.40
East Burnside	30.75
Mallory avenue	29.84
East Stark	33.76
Elm	3.00
Hoyt	2.50
East Ninth	13.19
Water and Hood.....	18.00
Madrona	17.63
Fremont	94.27
Grand avenue	59.26
Nineteenth	2.75
Front	23.46
East Second	5.88
Third	6.50
Columbia	1.50
Grand avenue	12.24
Union avenue	29.68
Corbett	1.90
Marshall	6.73
Hawthorne avenue	97.00
South ½ Hamilton avenue.....	2.25
Clinton	49.28
Kelly	2.25
Gantenbein avenue	15.34
Commercial	53.38
Madison	2.50
Nartilla	2.25
East Water	28.37
Conch	14.00
Taylor	2.25
Monroe	5.65
Kerby	7.64
Twenty-fourth	31.65
First, Hancock to Holladay.....	17.78
Sixteenth	1.25
Belmont	9,997.69
Ankeny .....	.50

Chapman, Morrison to Taylor.....	1.75
Fourth, Jefferson to Burnside.....	25.81
Chapman, Jefferson to Salmon.....	3.50
East Thirty-fourth	531.14
Burnside	219.43
	<hr/>
	\$ 15,297.72 \$ 15,297.72

SEWER FUND.

Balance as stated..... \$ 1,809.67

Credited as follows:

P	\$ 216.64
Q	127.26
Marquam Gulch	7.22
Pennoyer	9.07
East Seventh, Broadway to Holladay.....	36.85
Curry	48.64
Williams avenue et al.....	90.00
Whitaker	1.05
Albina avenue	32.23
East Ninth, Broadway to Holladay.....	57.50
East First et al.....	60.13
Corbett	13.73
Pacific et al	9.10
East Second, Weidler to Holladay.....	63.40
East Sixteenth, Washington to Taylor.....	32.50
East Alder et al.....	295.09
East Yamhill, Thirty-fourth to Thirty-fifth.....	7.76
East Thirty-fifth	7.95
Russell	4.00
East Fifteenth, Morrison to Taylor.....	14.45
East Alder, Seventh to Ninth.....	54.12
East Taylor, Nineteenth to Twenty-sixth.....	13.92
Hood	24.60
East Third	15.17
East Clay	12.10
East Seventh et al.....	11.16
Lovejoy	21.21
Rodney avenue et al.....	2.73
East Twentieth	23.13
Vancouver avenue, Tillamook to Hancock.....	9.00
Vancouver avenue, Hancock to Wheeler.....	19.81

First	7.20
Macadam	4.00
East Twelfth et al.....	94.05
Pacific, Eighth to Grand.....	24.80
Rodney avenue and Stanton.....	1.95
East Eighth, Broadway to Schuyler.....	.23
East Twelfth, Washington to Alder.....	.22
East Salmon	167.36
East Eleventh, Division to Hawthorne.....	22.61
Vancouver, Page to Tillamook.....	1.12
East Ninth	5.80
East Thirty-fourth	10.30
Rodney avenue, Morris to Stanton.....	.09
East Thirty-fourth, Main to Yamhill.....	31.77
Sacramento and Williams avenue.....	13.75
Rodney avenue, 175 north of Sacramento.....	16.60
East Tenth, Caruthers to S.....	66.30
	<hr/>
	\$ 1,809.67 \$ 1,809.67

STREET EXTENSION FUND.

Balance as stated..... \$ 2,595.36

Credited as follows:

V	\$ 472.50
Heights Terrace	10.00
W	671.00
Fourth	153.75
Eleventh	14.70
Ninth	30.00
Vancouver avenue	97.00
Q	5.00
Hawthorne avenue	19.40
Cable	96.70
Powell	36.30
East Fifth	6.00
Twenty-sixth	433.50
Dawson	26.40
East Fourteenth	190.00
Commercial	2.00
Peninsular avenue	85.52
Clinton	53.10
East Twenty-eighth	86.20

Corbett	101.29
Willis Boulevard	5.00

\$ 2,595.36 \$ 2,595.36

Respectfully submitted,

FRANK HACHENEY,
City Treasurer.

I hereby certify that the above is a correct copy of the Quarterly Report of the City Treasurer for the quarter ending September 30, 1896.

A. N. GAMBELL,
Auditor.

FOR QUARTER ENDED DECEMBER 31, 1896.

Balance in treasury Semptember 30, 1896.....	\$ 84,536.09	
Balance in Security Savings & Trust Company, September 30, 1896.....	9,236.82	
Balance in New York September 30, 1896.....	145.00	
Received from all sources.....	214,808.10	
Disbursed	\$142,779.05	
Balance in New York to redeem interest coupons.....	1,045.00	
Balance in Security Savings & Trust Company..	9,236.82	
Balance in treasury.....	155,665.14	
	<u>\$308,726.01</u>	<u>\$308,726.01</u>

GENERAL FUND.

Balance September 30, 1896.....	\$ 51,100.36	
Received 87½ per cent. of \$30,996.20 general licenses	27,121.68	
Received Dog licenses	454.50	
Received R. W. Hoyt, tax 1896.....	27,960.36	
Received R. W. Hoyt, tax 1895.....	524.97	
Received R. W. Hoyt, tax 1894.....	62.32	
Received rent of offices City Hall.....	110.00	
Received John Foster, pound fees.....	247.10	
Received miscellaneous costs	65.75	
Received delinquent taxes	230.37	
Received L. W. Robertson, chief police costs....	549.03	
Transferred from street improvement fund.....	487.29	
Transferred from sewer fund.....	673.04	
Transferred from East Side water expense fund.....	79.80	
Transferred from Boiler Inspector's fund.....	13.00	
Transferred to bond interest fund.....	\$ 31,807.25	
Transferred to Police Department fund.....	30,500.00	
Transferred to improvement bond interest fund.....	500.00	
Interest paid on warrants.....	3.49	
Warrants paid	608.45	
Balance held pending final decision in 2-mill suit.....	46,260.38	
	<u>\$109,679.57</u>	<u>\$109,679.57</u>

FIRE DEPARTMENT FUND.

Balance September 30, 1896.....	\$ 636.33	
Received R. W. Hoyt, tax 1896.....	11,184.14	

Received R. W. Hoyt, tax 1895.....		403.82
Received R. W. Hoyt, tax 1894.....		82.00
Interest paid on warrants.....	\$ 241.79	
Warrants paid	10,639.30	
Balance	1,425.20	
	<u>\$ 12,306.29</u>	<u>\$ 12,306.29</u>

POLICE DEPARTMENT FUND.

Balance September 30, 1896.....	\$ 63.56	
Received R. W. Hoyt, tax 1895.....	363.44	
Received R. W. Hoyt, tax 1894.....	52.48	
Transferred from general fund.....	30,500.00	
Interest paid on warrants.....	\$ 1,893.24	
Warrants paid	28,848.88	
Balance	237.36	
	<u>\$ 30,979.48</u>	<u>\$ 30,979.48</u>

STREET CLEANING AND SPRINKLING FUND.

Balance September 30, 1896.....	\$ 763.54	
Received from A. Sweek, fines, etc., in municipal court	997.00	
Received 12½ per cent. of \$30,996.20 general licenses	\$ 3,874.52	
Interest paid	\$ 320.22	
Warrants paid	5,243.63	
Balance	71.21	
	<u>\$ 5,635.06</u>	<u>\$ 5,635.06</u>

BOILER INSPECTOR'S FUND.

Balance September 30, 1896.....	\$ 13.00	
Transferred to general fund.....	\$ 13.00	
	<u>\$ 13.00</u>	<u>\$ 13.00</u>

STREET IMPROVEMENT FUND.

Balance September 30, 1896.....	\$ 15,297.72	
Received from all sources.....	56,799.16	

TREASURER'S REPORT.

Transferred to general fund.....	\$	487.29	
Warrants paid		63,787.17	
Balance		7,822.42	
	\$	72,096.88	\$ 72,096.88

BRIDGE AND FERRY BOND INTEREST FUND.

Balance September 30, 1896.....	\$	500.00	
Coupons redeemed	\$	500.00	
	\$	500.00	\$ 500.00

SEWER FUND.

Balance September 30, 1896.....	\$	1,809.67	
Received sundry collections.....		7,835.75	
Transferred to general fund.....	\$	673.04	
Warrants paid		7,321.34	
Balance		1,651.04	
	\$	9,645.42	\$ 9,645.42

IMPROVEMENT FUND.

Balance September 30, 1896.....	\$	572.79	
Deposited with Security Savings & Trust Company, 1896		9,236.82	
Received collections		955.57	
Balance in treasury	\$	1,528.36	
Balance in Security Savings & Trust Company.		9,236.82	
	\$	10,765.18	\$ 10,765.18

STREET EXTENSION FUND.

Balance September 30, 1896.....	\$	2,595.36	
Warrants paid	\$	15.95	
Balance		2,579.41	
	\$	2,595.36	\$ 2,595.36

LITIGATION FUND.

Balance September 30, 1896.....	\$	29.04	
Received from general fund.....		300.00	
Received from W. M. Cake, City Attorney.....		10.80	

TREASURER'S REPORT.

Claims paid	\$	326.80	
Balance		13.04	
	\$	339.84	\$ 339.84

BONDED INDEBTEDNESS INTEREST FUND.

Balance in New York September 30, 1896.....	\$	145.00	
Balance September 30, 1896.....		5,761.03	
Received R. W. Hoyt, tax 1895.....		323.05	
Received R. W. Hoyt, tax 1894.....		49.20	
Transferred from general fund.....		31,807.25	
Disbursed	\$	19,732.25	
Balance in New York to redeem interest coupons.		1,045.00	
Balance in treasury.....		17,308.28	
	\$	38,085.53	\$ 38,085.53

IMPROVEMENT BOND INTEREST FUND.

Balance September 30, 1896.....	\$	312.71	
Received collections		115.48	
Transferred from general fund.....		500.00	
Coupons paid	\$	274.57	
Balance		653.62	
	\$	928.19	\$ 928.19

STREET LAMP FUND.

Balance September 30, 1896.....	\$	90.77	
Balance	\$	90.77	
	\$	90.77	\$ 90.77

WILLAMETTE RIVER FUND.

Balance September 30, 1896.....	\$	8.71	
Balance	\$	8.71	
	\$	8.71	\$ 8.71

WATER BOND INTEREST FUND.

Balance September 30, 1896.....	\$	2,675.00	
Received from City Water committee.....		72,500.00	

Coupons redeemed	\$ 1,350.00	
Balance	73,825.00	
	<u>\$ 75,175.00</u>	<u>\$ 75,175.00</u>

EAST SIDE WATER EXPENSE FUND.

Balance September 30, 1896.....	\$ 81.70	
Transferred to general fund.....	\$ 79.80	
Balance	1.90	
	<u>\$ 81.70</u>	<u>\$ 81.70</u>

EAST PORTLAND WATER FUND.

Balance September 30, 1896.....	\$ 16.35	
Balance	\$ 16.35	
	<u>\$ 16.35</u>	<u>\$ 16.35</u>

FIRE BADGE REDEMPTION FUND.

Balance September 30, 1896.....	\$ 76.00	
Balance	\$ 76.00	
	<u>\$ 76.00</u>	<u>\$ 76.00</u>

BOULEVARD FUND.

Balance September 30, 1896.....	\$ 217.77	
Balance	\$ 217.77	
	<u>\$ 217.77</u>	<u>\$ 217.77</u>

STREET AND SEWER INTEREST FUND.

Balance September 30, 1896.....	\$ 1,914.68	
Received sundry collections.....	1,635.61	
Disbursed	\$ 1,671.97	
Balance	1,878.32	
	<u>\$ 3,550.29</u>	<u>\$ 3,550.29</u>

GENERAL SUMMARY.

Balance in treasury, as stated.....	\$155,665.14
Balance in New York.....	1,045.00
Balance in Security Savings & Trust Company.	9,236.82

Credited as follows:

General fund	\$ 46,260.38
Fire Department fund.....	1,425.20
Police Department fund.....	237.36
Street Cleaning and Sprinkling fund.....	71.21
Street improvement	7,822.42
Sewer	1,651.04
Improvement (S. S. & T. Co.).....	9,236.82
Improvement (treasury)	1,528.36
Street extension	2,579.41
Litigation	13.04
Bonded indebtedness interest (New York).....	1,045.00
Bonded indebtedness interest (treasury).....	17,308.28
Improvement bond interest.....	653.62
Street lamp	90.77
Willamette river	8.71
Water bond interest.....	73,825.00
East Side water expense.....	1.90
East Portland water.....	16.35
Fire badge redemption.....	76.00
Boulevard	217.77
Street and sewer interest.....	1,878.32
	<u>\$165,946.96</u>
	<u>\$165,946.96</u>

STREET IMPROVEMENT FUND.

Balance in this fund as stated..... \$ 7,822.42

Credited as follows:

Fifth, Stephens to Adams.....	\$ 34.60
M. Fourth to Twelfth.....	43.16
Clinton, Twelfth to Twenty-first.....	62.73
R	186.75
Chapman	35.05
South Front, Gaines to First avenue.....	18.55
Hood (old)	14.64
Taylor	1.41
North Eighteenth	27.67
South Second, Sheridan to Gibbs.....	1.85
Clifton	79.00
Clay	4.80
Fifth, K to Ellsworth.....	207.47½
Myrtle, Thirteenth to Nineteenth.....	50.90
G, east to west end.....	21.20

Elliott	83.00
North Twenty-second, J to P.....	41.41
H, east to west end.....	10.45
H, Twenty-second to Twenty-third.....	43.64
North Twenty-third, F to J.....	45.54
G, Third to West Park.....	13.74
Multnomah, Grover to Curry.....	9.10
East Glisan, Ninth to Twelfth.....	6.00
East Sixteenth, Holladay to Belmont.....	26.64
Weidler .....	.94
Lane avenue	18.52
East Eighth, Flanders to Riverside Homestead.....	239.81
Shaver, Maryland to Williams.....	4.20
Montana avenue	385.43
East Twentieth, Hawthorne to East Stark.....	18.85
Union avenue, Broadway to Schuyler.....	51.65
East Twenty-fourth, formerly A.....	30.96
East Oak, Second to Water.....	1.85
East Eighth, Ainsworth to Dekum.....	15.25
Tenino avenue	3.80
Fourth	106.49
Tacoma avenue	132.20
Spokane avenue	64.15
Fifth	47.08
Umatilla avenue	361.23
Morrison	6.57
Shaver	14.75
East Seventeenth	12.00
East Harrison	33.50
Twenty-fourth	46.25
Vancouver avenue	14.86
Willamette	293.07
Portsmouth avenue .....	.64
Sixth	5.46
Beacon	11.25
Cable	4.00
Milwaukie and East Eleventh.....	7.06
Mallory avenue	17.84
East Stark	34.26
Elm	3.00
Hoyt	2.50
East Ninth .....	.44
Madrona	17.63
Fremont	89.52
Grand avenue, Clay to Stark.....	59.26

Nineteenth, Thurman to Sherlock.....	15.75
Front, Madison to Lincoln.....	16.49
East Second, Oak to Washington.....	5.88
Third, Main to Columbia.....	6.50
Columbia	1.50
Grand avenue, Burnside to Stark.....	12.24
Union avenue, Russell to Weidler.....	29.68
Corbett	1.90
Marshall, Sixteenth to Twenty-second.....	19.00
Hawthorne avenue	97.00
Hamilton avenue	2.25
Clinton, Twenty-first to Thirty-sixth.....	25.95
Kelly, Hamilton to Seymour.....	2.75
Gantenbein	15.59
Commercial	54.13
Water	19.96
Couch	3.00
Union avenue, Morris to Prescott.....	28.68
Kerby	1.64
East First Hancock to Holladay.....	18.78
Sixteenth, Mill to Montgomery.....	1.50
Belmont	444.47
Chapman, Jefferson to Salmon.....	5.00
Fourth, Jefferson to Burnside.....	28.81
East Thirty-fourth	282.74
Burnside	610.55
Third, Yamhill to Glisan.....	967.89
Washington	171.73
Constance	5.90
Going	1,494.72
East Taylor	204.85

\$ 7,822.42 \$ 7,822.42

SEWER FUND.

Balance as stated..... \$ 1,651.04

Credited as follows:

P	\$ 216.64
Q	44.11
Marquam gulch	7.22
Pennoyer	9.07
Williams avenue et al.....	90.00
Whitaker	1.05

Albina avenue	2.44
Corbett, Wood to Grover.....	13.73
East Oak et al.....	100.65
Pacific et al.....	9.10
East Alder et al.....	363.41
East Yamhill, Thirty-fourth to Thirty-fifth.....	13.91
East Thirty-fifth, Morrison to Yamhill.....	7.95
Tanner creek	28.13
East Fifteenth, Morrison to Taylor.....	14.45
East Alder, Seventh to Ninth.....	54.12
East Taylor, Nineteenth to Twenty-sixth.....	13.92
Williams avenue, San Rafael to Hancock.....	1.25
Hood	24.60
East Third	15.17
East Clay	33.30
East Seventh et al.....	11.16
Lovejoy	21.21
Rodney avenue	2.73
East Twentieth	23.13
Vancouver avenue, Tillamook to Hancock.....	9.00
Vancouver avenue, Hancock to Wheeler.....	19.81
First	7.20
Macadam	4.00
East Salmon	116.03
East Eleventh	9.36
East Tenth	215.27
Belmont, Thirty-third to Thirty-second.....	40.50
Eugene	8.87
Thirty-third, Belmont to Yamhill.....	.20
East Yamhill, Twenty-third to Nineteenth.....	35.35
Twelfth and Market.....	63.00
	<hr/>
	\$ 1,651.04 \$ 1,651.04

STREET EXTENSION FUND.

Balance as stated.....	\$ 2,579.41
Credited as follows:	
V	\$ 472.50
Heights Terrace	10.00
W	671.00
Fourth	153.75
Eleventh	14.70
Ninth	30.00

Vancouver avenue	97.00
Q	5.00
Hawthorne avenue	19.40
Cable	96.70
Powell	36.30
East Fifth	6.00
Twenty-sixth	433.50
Dawson	26.40
East Fourteenth	190.00
Commercial	2.00
Peninsular avenue	85.52
Clinton	37.15
East Twenty-eighth	86.20
Corbett	101.29
Willis Boulevard	5.00
	<hr/>
	\$ 2,579.41 \$ 2,579.41

Respectfully submitted,

FRANK HACHENEY,
City Treasurer.

I hereby certify that the above is a correct copy of the Quarterly Report of the City Treasurer for the quarter ending December 31, 1896.

A. N. GAMBELL,
Auditor.

Superintendent of Streets Report

Office of the Superintendent of Streets,
Portland, Oregon, December 31, 1896.

To the Honorable Mayor and Common Council of the City of Portland,
Oregon:

Gentlemen—I have the honor to submit herewith my report of the workings of the Street Department of this city during the year 1896, together with certain tabulated statements and statistics, which may be of interest to your honorable body, and suggestions and recommendations to which I would respectfully call your attention.

The records of this office show that my predecessors in office have addressed many communications to the Common Council regarding the absolute necessity of having the principal streets of our city improved with permanent and modern pavements. While some progress has recently been made in that direction, much remains yet to be done before we can claim that our streets are even in a fair condition. Our citizens and property-owners are fast awakening to the necessity and value of well-paved and well-kept streets and to the realization of the fact that nothing will stimulate business, enhance real estate values and induce investments more than streets that in every respect fulfill the conditions of modern requirements.

The construction of modern street pavements is now claiming the attention of our best civil engineers, and can be thoroughly understood only after long and practical experience and by men who have made the subject a life-long study. It is therefore not reasonable to suppose that the average property-owner is fully informed about street constructions and qualified to designate the kind of pavement required and formulate the specifications for the work when the improvement of his street is contemplated. A few freeholders will often consult only their immediate interests and ignore entirely those of the city and all other property-owners. It ought, therefore, to be left to the Common Council and the Superintendent of Streets to decide when a street shall be improved and the manner of construction and the character of work. In fact the entire matter of public street improvements ought to be subject to the decision of the Common Council, even, as it sometimes may occur, in opposition to the opinions of property-owners financially interested. By the improvement of a street, while the property immediately

abutting thereon is more directly interested, the well-being and prosperity of the entire city is affected. The representatives of the entire city should, therefore, have exclusive and final jurisdiction over the same. As long as the property-owners have the right and privilege to designate and determine the kind and character of the improvement of their street and the Common Council is obliged, under the provisions of the City Charter, to grant the petition for all and every kind of so-called improvements, if it is signed by a sufficient number of property-owners they, the property-owners, assume the responsibility of any failure or disappointment in such improvement. The time has come when the charter of our city must be so amended as to give the city government authority to take the entire matter of street improvements in hand and adopt a progressive and effective policy.

The repairing and maintaining of our streets in good condition is a problem still seeking solution. Many property-owners contend that when a street is once permanently improved and accepted by the Superintendent of Streets and the Common Council, it ought to be the duty of the city to keep that street in repair and not look to the adjoining property for its maintenance and renewal. Much can be said and many arguments adduced on both sides of this question. In many of the Eastern cities the city authorities assume all responsibilities for keeping the streets in proper repair and condition after they have been permanently improved by the property-owners in accordance with the plans and specifications prepared by the city officials. In other places slight repairs are made by the street department, while the costs of extensive repairs and new improvements are borne by the adjoining property. In our city the policy has been adopted of late to make it a condition of the contract that the contractor shall keep the street which he has constructed in proper repair for a certain number of years. While this appears fair in theory, in practice it has not worked altogether satisfactorily, at least it did not in the case of Washington street. A just, equitable plan, it seems to me, would be to declare by ordinance the life of a street after it has been newly improved, and that during this declared life, the street be kept in repair and thorough condition by the city. If the city makes a contract with the contractors to keep the street in repair for a specified length of time, that is a matter between the city and the contractors with which the property-owners have nothing to do, and over which they have no control; the only party they know and to whom they have a right to look to is the city, which, through its officers and government machinery, made the plans and specifications, supervised and inspected the work while in course of construction, and accepted the improvement when completed. The adoption of such a policy appears to me to be necessary in order to maintain existing, and encourage future street improvements. If at

the expiration of the declared life of a street, such street requires extensive repairs or new improvements, the property-owners should be held responsible for such repairs and improvements.

The following streets in the city have been improved with modern and permanent pavements, during the last year:

Fourth street, from south line of Burnside street to north line of Jefferson street, with concrete curbs and wood blocks resting upon a concrete foundation.

Third street, from north line of Yamhill street to south line of Glisan street; repair of concrete and a new wearing surface of Trinidad asphalt.

Fourth street, from south line of Burnside street to south line of Glisan street, concrete curbs and wood blocks upon a broken rock foundation. Constructing this street with wood blocks upon a broken rock foundation is in accordance with the petition of the property-owners. It is an experiment, but, to judge from the present appearances, will not prove a good pavement.

Washington street, from west curb line of Third street to south line of Burnside street; concrete curbs, repair of concrete foundation and new cover of Trinidad asphalt.

Burnside street, from west line of Third street to the east line of Sixth street; concrete curbs and vitrified brick, resting upon a concrete foundation.

First street, from south line of Stark street to west line of Madison street; concrete curbs where required, concrete foundation and wood blocks; (not yet completed).

First street, from south line of Burnside street to south side of Stark street; concrete curbs where required and vitrified brick upon a concrete foundation; (not yet completed).

Washington street, from the west line of First street to the east line of Third street; concrete curbs where required, concrete foundation and vitrified brick; (in course of construction).

Oak street, from west line of Third street to the east line of Sixth; concrete curbs and vitrified brick upon a concrete foundation; (in course of construction).

Belmont street was improved with wooden curbs, plank sidewalks and covering the roadway full width with 6x6-inch planks, but this can hardly be designated a permanent improvement, as no improvement is of a permanent character that has not a solid and reliable foundation.

From the above it will be seen that concrete, of which cement forms the most important component part, has become the essential

material for the construction of modern streets. In order to have the concrete come up in all respects to requirements, the first requisite is that the cement should be of the very best quality and answer all the scientific tests to which every lot intended to be used on street work ought to be submitted. There are certain brands in the market which are recognized by every civil engineer as first-grade, but it is not quite fair to the dealers handling other brands to specify, by name, the brands of cement that will be accepted, as their brands might be just as good, strong and reliable as those of recognized reputation, but when means for testing are not provided, it is the only safe way to do. It is the quality of the cement that must be established, and in order that I may be able to make a thorough test and protect the interests of the city and of the property-owners in this respect, I would respectfully request that I be furnished with an improved testing machine. Such a machine, say of 2,000-pounds capacity, with the necessary fixtures, f. o. b., at Philadelphia, can be purchased for \$289.55.

Another very important matter in the preparation of the concrete is that the ingredients are of proper proportions and are mixed in the most thorough and precise manner. The mixing of the different parts ought, therefore, to be under the constant supervision of a competent inspector, as it is impossible to discover after the concrete is set, whether the material has been properly mixed, put down and compacted. Defects do not appear at once; they make themselves manifest after a time and then it is too late to remedy them without renewing the concrete entirely. I am required by the ordinances to accept the work and certify that it has been performed in accordance with all the requirements of the contract, but if no inspector has been constantly present to watch all the proceedings as they progressed, I can give only an outside inspection, and have to judge entirely by outside appearances. A good plan would be to include the cost of inspection in the contract price of the improvement. The additional expense to the individual property-owner would be very trifling, while the benefits he would receive in the way of better work, would be great.

One of the great drawbacks to the permanency of our pavements is the slight and temporary character of most of our street railways built at a time when traffic was small, horses the power, and rolling stock correspondingly light. They are not suitable to sustain the large traffic and heavy rolling stock of today, without a vibration sufficient to injure the pavement built up to the rails. It may be argued that trade conditions do not warrant the construction of costly, first-class roads, and, while this is true in suburban lines, it seems to me that when a permanent pavement is built, the street railways should be of similar character. Some form of girder rails of great depth and weight, either concreted in or on heavy ties, close enough together to be prac-

tically a continuous support, are now extensively used in foreign and Eastern cities, with highly satisfactory results, both to the public and railroad companies. It is impossible to build a pavement of any kind close up to a track and make it endure if the rail vibrates with every passing car. No rail on a paved street should be less than seven inches in depth, nor weigh less than eighty pounds per yard. The provision in the charters of some of the companies now operating railways on our streets, that "the rails to be used for said railway or railways, shall be of good iron or steel and of the most approved pattern," is too vague and susceptible of too many constructions. Ordinances authorizing the building of any street railways in this city should provide that all tracks hereafter constructed must be built according to detail plans submitted to and approved by the Superintendent of Streets and the Common Council.

The constant breaking open of our streets for the purpose of making connections with the water and sewer mains is another reason why it is so difficult to preserve and maintain the streets in proper condition. Connections with the water and sewer mains ought to be made before the foundation for a permanent pavement is constructed, and, if that is impracticable, then a good plan would be to put small water and sewer pipes inside the curb line, joined with the mains at the intersection of the street. Connections could then be made with these pipes at any point without tearing up the roadway to get at the mains.

Much difficulty has been experienced from the fact that some contractors do not push the work with proper energy and therefore do not complete the improvement within the time limited in the contract. They rely upon the Common Council extending the time and consider themselves very harshly treated when a penalty for non-completion of the work and non-compliance with the provisions of their contract, as to time, is imposed upon them. The property-owners and citizens residing or doing business on a street in course of construction, have some rights that ought to be respected. One of them is that the street being improved is completed within the shortest possible time and with the least obstruction to traffic. It is, therefore, not just to allow a contractor to take his own time to perform the work, exceed the contract time and then go before the Common Council with all kinds of excuses why a penalty should not be imposed upon him. To remedy all this, contracts for street improvements and construction of sewers, should contain a provision that time is of the essence of the contract and that, therefore, it will expire on a certain date by limitation. If for causes and conditions which could not be foreseen by the contractor and over which he had no control, such as stress of weather, high water, etc., he was unavoidably delayed, he should petition the

Common Council, with and by the consent of his bondsmen, for an extension of time, which extension, if granted, should, in every instance be granted by ordinance.

The ordinance now in force (section 9, ordinance No. 9283), provides:

"If any contractor who may have entered into a contract for any work or improvement, fails to complete the same within the time limited in such contract, or within such further time as the Common Council may grant him or them, he or they shall forfeit to and for the benefit of the City of Portland, the sum of not less than five dollars for each day said contractor shall be delinquent, at the option of the Common Council, and the Common Council may re-let the unfinished portion of said work or improvement in the same manner as is hereinbefore prescribed for letting the same in the first instance, and the said delinquent contractor or contractors shall forfeit the cost of such re-letting and the excess of the cost, if any there be, of said unfinished work greater than the sum named in his contract therefor. Any contractor, or contractors, who has failed to complete and carry out his or their contract with the City of Portland, shall not again be awarded a contract by the city."

The property-owner in front of whose property the street is being improved, does not care whether the contractor forfeits "to and for the benefit of the City of Portland the sum of five dollars for each day said contractor shall be delinquent," or any other amount. Such fine, even if he received the benefit of it, which he does not, would not compensate him for the inconveniences he has been subjected to or the interruption his business may have suffered. What he is interested in and has the right to expect, is that the city authorities will see to it that the improvement is completed within the time agreed upon. The re-letting of an uncompleted improvement, as authorized in the above quoted section, requires and consumes too much time and occasions too much delay. The laws ought to be so amended that when a contract has expired, the city itself, through its proper officers, takes the matter in hand at once and completes the improvement, either by contract or otherwise, without further loss of time. The excess of the cost of completing the improvement by the city over and above the sum named in the contract, and all other expenses and losses incident to the failure of the contractor to comply with and carry out the requirements of the contract, the contractor and his bondsmen should be made responsible for.

STREETS.

Of the streets, generally, it is proper to say that their condition is not good, especially the macadamized ones having street railways, which in most cases remain on the grade while the earth, gravel and macadam is worn away, leaving the rails projecting from one to three inches above the plane of the street. Some of the old macadam streets in the western part of the city are in excellent condition and with proper care will last many years yet. It is too early to report on the streets recently improved with wood blocks, vitrified brick and other material, regarding their durability and adaptability to our climatic conditions.

ELEVATED ROADWAYS.

The elevated roadways or trestles are, generally speaking, not in good condition; not dangerous, but simply old and nearly worn out. Some of them have arrived at the point where the cost of repairs will exceed the interest on the cost of new structures, and it will be expedient and advisable, in my opinion, to rebuild some of them during the next summer. Several of the low ones ought to be taken out altogether and the roadway built up with earth embankment. Were the city in funds, it would be a good plan to take this matter in hand at once and thereby give work to many of the men and teams now seeking employment.

STREETS CONSTRUCTED IN 1896 UNDER ORDINANCES.

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SUPERINTENDENT OF STREETS REPORT.

No. of Ord.	Street—From and to	Kind of Improvement	Length in feet	Contractors	Accepted	Cost
9477	Commercial, s line of Shaver to n line of Russell	Grading	4095	J. E. McElwain, J. N. Tomlinson, H. Howard	Feb. 12	\$ 2,599.35
9480	E. Water, n l of E Oak to n l of Hawthorne av	Planking	2825	O'Neil & Lind	Feb. 12	12,373.11
9500	E. First, center line of Hancock to n l of Holladay	Gravel	2130	S. Smith, D. Wilke	Aug. 5	3,517.54
9531	Taylor, west line of 2d st to east line of 4th st	McAdam	480	H. Howard	Feb. 26	392.41
9547	Couch, w line of First st to e line of Sixth st	McAdam	1240	H. Howard, P. Cain	Feb. 28	880.79
9572	Kerby, n line of Morris st to n line of Fargo st	Grading	585	I. N. Tomlinson, H. Howard	Mar. 11	319.62
9575	Monroe, e line of Borthwick to w l of Gantenbein	Grading	957	I. N. Tomlinson	April 29	90.75
9614	24th, n line of Thurman st to s line of Vaughn st	Grading	460	James Reilly	April 29	251.26
9660	16th, center line of Mill to n line of Montgomery	Grading	230	Henry Howard	May 26	191.45
9664	Belmont, w line of E. Water to w line of E. 34th st	Planking	9111	Wakefield & Jacobson, Paquet & Smith, J. E. McElwain, A. Hamilton, T. G. & T. Co., J. D. Wickliff	Nov. 7	25,384.48
9691	Chapman, s line of Morrison st to n line of Taylor	McAdam	460	A. Hamilton	Aug. 5	1,087.59
9692	Chapman, n line of Jefferson st to n line of Salmon	McAdam	800	A. Hamilton	Aug. 5	1,315.12
9726	E. 34th, s line of E. Stark to center of Hawthorne	Planking	2600	J. E. McElwain	Nov. 7	3,716.71
9727	Ankeny, west line of 4th st to east line of 5th st	McAdam	200	Baird & Wilke	July 6	147.50
9765	Fourth, s line of Burnside to n line of Jefferson	Wood bk	3130	J. R. O'Neil, J. D. Drew	Sept. 16	25,198.75
9806	Third, n line of Yamhill to s line of Glisan st	Asphalt	3390	Trinidad Asphalt Co	Oct. 21	24,715.44
9824	Constance, e line of Union av to e line of Albina	Grading	700	J. E. McElwain	Oct. 7	303.50

STREETS CONSTRUCTED IN 1896 UNDER ORDINANCE—Continued.

No. of Ord.	Street—From and to	Kind of Improvement	Length in feet	Contractors	Accepted	Cost
9834	Burnside, w line of 6th st to n line of Washington	McAdam	2580	J. D. Wickliff, Hamilton & Sweeney		1,672.57
9837	Fourth, s line of Burnside st to s line of Glisan	Wood bk	1300	J. D. Wickliff, Hamilton & Sweeney		4,162.62
9871	Going, center line of Union av to s line of Highland	Grading	2600	J. M. Manning		3,841.01
9884	Washington, w curb line of 3d st to s l of Burnside	Asphalt	3260	Trinidad Asphalt Co	Oct. 13	19,314.95
9893	Union, center line of Prescott st to s line of Alberta	Gravel	1260	A. Hamilton, S. Smith, H. Howard		
9899	Curry, w line of McAdam st to e line of Corbett	McAdam	730	J. Keeney, J. Swank		
9912	Burnside, w line of Third to e line of Sixth st	Vit Brick	649	Hamilton & Sweeney	Dec. 10	5,373.82
9913	Haight, n line of Shaver st to s line of Mason	Grading	400	O'Neil & Drew	Dec. 29	
9914	E. Taylor, e line of E. 34th st to w line of E. 38th	Planking	1250	J. M. Manning, A. Hamilton		1,828.24
9975	Russell, w line of Williams av to e line of Delay	Planking	2540	A. Hamilton, Wakefield & Jacobson		
9976	Stark, west line of 4th st to east line of 6th st	McAdam	649	J. Swank		
9985	First, s line of Stark st to w line of Madison st	Wood bk	1900	J. W. Sweeney		
10009	Hawthorne, w line of E. Water to e line of E. 3d	Planking	805	O. B. Terry		
10021	Washington, w line of 1st st to e line of 3d st	Vit Brick	445	A. Hamilton		
10022	Oak, west line of Third st to east line of Sixth st	Vit Brick	649	Smith & Howard, A. Hamilton		
10023	Wheeler, s line of Clackamas st to s line of Wasco	Grading	260	A. J. Donaldson		
10051	Alley, block 146, bet E. Burnside and E Ankeny	Planking	200	A. Hamilton		

SUPERINTENDENT OF STREETS REPORT.

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STREET IMPROVEMENTS UNDER ORDINANCE.

	Lineal Feet
Grading (only)	10,287
Asphalt	6,650
Gravel	3,390
Macadam	7,139
Planking	19,131
Wood blocks	8,330
Vitrified brick	1,743

STREET IMPROVEMENTS UNDER PERMIT.

	Lineal Feet
Grading	4,714
Plank roadway	60
Macadam	740
Gravel	145
Stone block pavement	168
Sidewalk, wood	3,854
Sidewalk, concrete	2,218
Crosswalk, wood	72
Crosswalk, granite	72
Curb (only) wood	230
Curb (only) concrete	100

STREET IMPROVEMENTS UNDER NOTICES.

	Lineal Feet
Sidewalk, wood	31,641
Sidewalk, cement	525
Crosswalk, wood	5,728

AGGREGATE.

	Lineal Feet
Grading	15,001
Asphalt	6,650
Gravel	3,535
Macadam	7,879
Planking	19,191
Wood block	8,330
Stone block	168
Vitrified brick	1,743
Sidewalk, wood	35,495

Sidewalk, concrete	2,743
Crosswalk, wood	5,800
Crosswalk, granite	72
Curb (only) wood	230
Curb (only) concrete	100

PERMITS ISSUED IN 1896.

To dig up streets for laying gas pipes.....	112
To dig up streets for laying sewer pipes.....	226
To dig up streets for laying water pipes.....	80
To use streets for building purposes.....	198
To use streets for moving houses.....	9
To improve streets.....	106
To erect private lights.....	16
	747

Cost of buildings as shown by permits, \$184,148. This amount only shows the cost of the building for the construction of which the public streets had to be occupied and used.

NOTICES ISSUED.

To fill holes in streets.....	121
To repair sidewalk and crosswalk.....	1,134
Miscellaneous notices	252
	1,507

The City Surveyor, in his annual report, gives much information and many data regarding the streets of our city, which will prove of interest and to which I would call your attention.

PLANS FOR STREET WORK PREPARED IN 1896.

Belmont street, planking, from East Water to East Thirty-fourth street.

Fourth street, wood block pavement, concrete foundation, Burnside to Jefferson.

East Thirty-fourth street, planking, from East Stark to Hawthorne avenue.

Fourth street, wood block pavement, crushed rock foundation, Burnside to Glisan.

Burnside street, brick pavement, from Third to Sixth streets.

East Taylor street, planking, from East Thirty-fourth to East Thirty-eighth streets.

Russell street, planking, from Delay to Williams avenue.

First street, wood block pavement, concrete foundation, Stark to Madison streets.

First street, brick pavement, concrete foundation, Stark to Burnside streets.

East Main street, elevated roadway, from East Water to East First streets.

East Thirty-fourth street, planking for sixteen feet in center of street, rejected.

Williams avenue, planking, from Cherry to Morris streets.

East Seventh street, planking, from Sherman street to Hawthorne avenue.

Oak street, brick pavement, concrete foundation, Third to Sixth streets.

Washington street, brick pavement, concrete foundation, Sixteenth to Twenty-third streets.

East Twenty-eighth street, planking, from north line of East Stark to Burnside streets.

Washington street, brick pavement, concrete foundation, from First to Third streets.

Burnside street, wood block pavement, etc., rejected.

Alley through block 146, Portland, planking.

PLANS FOR

Manholes,

Combination of manholes and catchbasins.

SEWERS.

Most of our sewers are too small to meet the emergencies likely to arise any winter, but they do their work fairly well under ordinary conditions. It is only during exceptionally heavy rainfalls that they fail. Those crossing the low ground in the northern part of the city give a great deal of trouble when the river rises much above the dis-

charge, and especially when it rises nearly or quite to the level of the lower streets. In this event they become mere receptacles for the sewerage brought down from the higher levels. The head of Johnson creek sewer is at the City Park, where it receives the flow of a stream, insignificant in the summer, but a torrent in the winter. The gulch through which this stream flows is approximately sixty feet wide and has in it, in addition to the channel for the water, a county road and the track of a railway. The construction of a hill-side road and other improvements some distance above the sewer inlet, have loosened a large amount of rock, which, at times of heavy rainfall, is washed into the channel of the stream and carried down to the sewer. To prevent its entrance, grates are placed near the sewer and at intervals above. At quite a cost for labor to clean the rock from the grates and natural catchbasin, and to prevent logs and stumps entering the sewer and choking it, the stream has been kept from doing much damage to the roads and streets in the vicinity of the sewer. This cost will have to be borne every winter, unless the sewer is extended to a point above the loose rock, which could only be done at a large expense. A cheaper and perfectly practicable plan would be to build a solid, covered wooden conduit along that portion of the hillside where the loose rock is collected. Every effort will be made by this department to prevent damage by the waters of this stream.

Tanner-creek sewer, which courses the low ground of Couch Lake, is especially liable to injury in time of high water and heavy rains. The wall of the sewer below high water mark should have been stronger, and it will be necessary to cover the exposed portions deeply with earth. During the storm in November, Tanner creek overflowed the banks about the inlet of the sewer and did considerable damage to the streets. Much work will have to be done and repairs made to prevent a recurrence of the trouble. The sewer is too small and as the forests are cleared away from the hillside we are likely to meet with difficulties in taking care of the waters of the creek.

Marquam-gulch sewer. This sewer proved incapable of carrying the water tributary to it during the recent severe storms, but generally it is sufficiently large to answer all requirements.

The East Side sewers did their work well and have given little or no trouble. South East Portland is as yet without sewers. This large area, comprising in its drainage basin some 1,200 acres, will have to be provided with sewers in the near future. Before a system can be intelligently designed for this district, quite extensive surveys will need to be made to secure the necessary data. This work will require an addition to the force now at the disposal of the City Surveyor for a time.

CONSTRUCTION OF SEWERS UNDER ORDINANCES, 1896.

No. of Ord	Streets—From and To	Material	Size in inches	Length in feet	Date of Acceptance	Contractors	Cost
9501	Pacific, 75 ft e of e line of E. 8th to Grand av	T. C.	8.10	907	Jan. 7, '96	James Fraaney	\$ 588.40
9532	Rodney av, 125 ft n of Sellwood to swr Williams	T. C.	8.10	822	Feb. 12, '96	W. L. Jackson	546.90
9532	E. 8th, 12 ft of n l of Broadway to swr Hancock	T. C.	8.	488	Jan. 29, '96	W. L. Jackson	252.00
9549	E. 12th, s l of E. Washington to swr in E. 10th	T. C.	14. 20.18	200	Jan. 21, '96	W. L. Jackson	176.10
9576	E. 11th, n l of Division to swr in Hawthorne	T. C.	16.14 10.	2,652	Apr. 7, '96	B. S. Reilley	2,972.75
9577	E. Salmon, w l of E. 23d st to swr. in E. 14th	T. C.	14.12 10.	2,284	Apr. 15, '96	Or. Pottery Co	1,549.62
9599	E. 33d, s line of Belmont to swr. in E. Yamhill	T. C.	12.	240	Aug. 26, '96	Or. Pottery Co	103.20
9693	Vancouver av, 50 ft s of Page st to swr. in Van	T. C.	10. 16.14	700	May 13, '96	Or. Pottery Co	314.50
9694	East Ninth, E. Sherman to swr. in Hawthorne	T. C.	12.10	2,065	May 26, '96	Or. Pottery Co	1,854.00
9695	Rodney av, 50 ft s l of Morris to swr. in Stanton	T. C.	8. 14.12	210	May 13, '96	Or. Pottery Co	91.60
9728	E. 34th, 25 ft n of n l Hawthorne to swr E. Yam	T. C.	10.	848	June 25, '96	B. S. Reilley	518.50
9729	E. 34th, n l of E. Washington to swr. in E. 34th	T. C.	12.10	680	June 10, '96	Or. Pottery Co	440.00
9747	Sacramento, 100 ft w Rodney to swr in Williams	T. C.	10.	158	July 6, '96	Or. Pottery Co	
9748	Williams av, 18 ft s l of Sacramento to swr Will	T. C.	10.	537	July 6, '96	Or. Pottery Co	317.30
9807	Rodney av, 175 ft n Sacramento to swr in Will	T. C.	10. 16.14	221	July 28, '96	Or. Pottery Co	91.60
9825	E. 10th, n l of E. Caruthers to swr in Hawthorne	T. C.	12.10 8.	2,320	Sept. 9, '96	Or. Pottery Co	1,914.20
9845	Gibbs, 25 ft e of e line of 2d to swr. in 1st st	T. C.	8.	220	Sept. 28, '96	J. B. Slummons	60.25

CONSTRUCTION OF SEWERS UNDER ORDINANCES, 1896—Continued.

No. of Ord	Streets—From and To	Material	Size in inches	Length in feet	Date of Acceptance	Contractors	Cost
9915	Belmont, 115 ft w of w l E. 33d to swr Belmont	T. C.	10.8	267	Sept. 28, '96	Or. Pottery Co	119.99
9928	Eugene, 100 ft w of w l of Rodney to swr Will	T. C.	8.	537	Oct. 26, '96	Or. Pottery Co	140.75
9965	E. Yamhill, 300 ft e of e l of 23d to swr E. 19th	T. C.	12.10	1,360	Nov. 11, '96	Or. Pottery Co	706.25
9966	E. Grant, 50 ft e of e l of E. 6th to swr E. 9th	T. C.	8.	690	Nov. 23, '96	Or. Pottery Co	247.00
9977	Wilson, east line of 26th st to swr. in 21st st	T. C.	12.	2,533	Dec. 30, '96	Or. Pottery Co	
10015	Tillamook, 145 ft w l of Rodney to swr Williams	T. C.	8.	794		R. S. Reilley	

SEWER PLANS PREPARED IN 1896.

Pacific street, from 75 feet east of east line of East Eighth street to sewer in Grand avenue.

Rodney avenue and Stanton, from 125 feet north of north line of Sellwood street to sewer in Williams avenue.

East Eighth street, from 12 feet south of north line of Broadway street to sewer in Hancock street.

East Twelfth street, from south line of East Washington street to sewer in East Twelfth street.

East Eleventh street, from north line of Division street to sewer in Hawthorne avenue.

East Salmon street, from north line of East Twenty-third street to sewer in East Fourteenth street.

Vancouver avenue, from 50 feet south of south line of Page street to connection at 200 feet south of south line of Tillamook street.

East Ninth street, from center line of East Sherman street to sewer in Hawthorne avenue.

Rodney avenue, from 50 feet south of south line of Morris street to sewer in Stanton street.

East Thirty-fourth street, from north line of East Washington street to connection at 100 feet north of north line of Belmont street.

Sacramento street, from 100 feet west of Rodney avenue to sewer in Williams avenue.

Williams avenue, from 18 feet north of south line of Sacramento street to connection at south line of Page street.

Rodney avenue, from 175 feet north of north line of Sacramento street to connection at south line of Sacramento street.

East Tenth street, from north line of East Caruthers street to sewer in Hawthorne avenue.

East Thirty-third street, from south line of Belmont street to sewer in East Yamhill street.

Gibbs street, from 25 feet east of east line of Second street to sewer in First street.

Belmont street, from 115 feet west of west line of East Thirty-third street to connection at 30 feet west of west line of East Thirty-second street.

Eugene street, from 100 feet west of west line of Rodney avenue to sewer in Williams avenue.

East Yamhill street, from 300 feet east of east line of East Twenty-third street to sewer in East Nineteenth street.

East Grant street, from 50 feet east of east line of East Sixth street to sewer in East Ninth street.

Wilson street, from east line of Twenty-sixth street to sewer in Twenty-first street.

Tillamook street, from 145 feet west of west line of Rodney avenue to sewer in Williams avenue.

East Seventh and Eugene streets, from 125 feet east of Union avenue through East Seventh street to sewer in Hancock street; discontinued.

Vaughn street, from east line of Twenty-sixth street to sewer in Twenty-first street; discontinued.

CATCH BASINS.

During the year thirty new catch basins have been constructed, the expense being paid out of the general fund. They are located as follows:

- 1 at Chapman street and Terrace road.
- 1 at Belmont and East Ninth streets.
- 2 at Belmont and East Twenty-third streets.
- 2 at Belmont and East Twenty-fifth streets.
- 2 at Belmont and East Twenty-sixth streets.
- 2 at Belmont and East Twenty-seventh streets.
- 1 at Belmont and East Thirtieth streets.
- 1 at King and Washington streets.
- 1 at Russell and Commercial streets.
- 1 at Fourth and Stark streets.
- 1 at Fourth and Pine streets.
- 2 at Fourth and Ash streets.
- 3 at Fourth and Burnside streets.
- 3 at Fourth and Couch streets.
- 3 at Fourth and Flanders streets.
- 3 at Burnside and Fifth streets.
- 1 at Burnside and Sixth streets.

PARKS.

City Park. Owing to the small force employed, but little work outside of maintaining and beautifying previously improved portions has been done at this park. The buildings are in good condition and will not need many repairs during the coming year. The following improvements have been made: The main road from Washington street to the center of the Park has been guttered and graveled, thirty new rustic seats constructed, three acres of land spaded and laid out in lawns and flower beds, a music platform built, the elk and deer barns moved and thoroughly repaired, 1,730 lineal feet of fence, seven feet high, erected around the elk and deer parks and 4,600 yards of walks improved with asphalt.

Chapman and Lownsdale Squares. These squares have been well taken care of and present a very pleasing and attractive appearance, but it will be necessary to construct a concrete sidewalk around them before long.

Park blocks between Park and West Park Streets. These blocks look badly, as no improvement of any kind has been made. Something ought to be done, as in their present condition they are neither useful nor ornamental.

Holladay Avenue Park. This Park is as yet almost entirely unimproved. Some little work has been done, but nothing of moment.

The following are lists of the buildings, animals, birds and tools at the City Park:

BUILDINGS.

Park Lodge, residence of keeper	Deer barn
Owl castle	Wagon shed
Elk barn	Animal cages
Tank house	Bird cages
Pumping station	Bear pit
Bird house	2 Greenhouses
Horse barn	4 Closets

ANIMALS.

2 Mountain lions	4 Monkeys
1 Kangaroo	1 Porcupine
1 Badger	8 Raccoons
4 Wisconsin squirrels	2 Wild cats
2 Timber wolves	2 Coyotes
3 Foxes	10 Angora hare
20 Rabbits	4 Bears
6 Deer	6 Elk
2 Alligators	2 Horses

BIRDS.

2 Parrots	2 Cockatoos
1 Magpie	2 Blue jays
1 Java sparrow	70 Canaries
3 Chinese pheasants	1 Golden pheasant
1 Cockateel	1 Crow
1 Drumming pigeon	8 Quail
6 Japanese chickens	8 Bantan chickens
2 Peafowl	2 Mandarin ducks
2 Wild ducks	3 Common ducks
2 Swans	5 Wild geese
2 Buzzards	3 Eagles
8 Owls	1 Alaska owl
5 Chicken hawks	5 Bird hawks

ELECTRIC LIGHTS.

At this date the city is lighted by 652 arc lamps of 2,000 candle-power and 679 incandescent lamps of 25 candle-power, an increase of 14 arc lamps and a decrease of 16 incandescent lamps, during the year. That portion of the city lying on the west side of the river is lighted by 312 arc and 667 incandescent lamps, and that portion lying on the east side of the river by 340 arc and 12 incandescent lamps.

The contract with the Portland General Electric Company for the lighting of the city will expire on the first day of April, 1897, and by that time a new contract will have to be made.

The Police Department furnishes this office a daily report of all lamps not burning, and length of time out, and deductions are made from the monthly bills for all such lights so reported. During the year 1896 those deductions amounted to \$635.22.

The total cost of lighting the city for the past year has been \$80,305.98.

The Portland General Electric Company has always been very prompt in making changes and installing new lights when ordered by the Council.

I attach hereto a list of the property in my care and custody belonging to the city.

Respectfully submitted,

WILLIAM B. CHASE,
Superintendent of Streets.

IN OFFICE.

2 Gas permit books	2 Building permit books
2 Notice books to trim trees	3 Notice books to fill holes
3 Index books to cabinet	5 Sewer record books
2 Copy books	2 Plumber record books
4 Scrap books	3 Electric light books
2 Water permit books	4 Maps of City, 1884, 1893 and 1894
4 Sewer permit books	7 Ink stands
4 Requisition books	3 Flat rulers
1 Record book, authorizations	1 Small T square
7 Sidewalk books (notice to repair)	3 Steel erasers
1 Record of animals City Park	2 Draughting boards and trusses
6 Ink wells	2 Small draughting boards
2 Triangular scales	1 Umbrella stand
3 Waste baskets	3 Patent rubber stamps
1 Letter press, size "b"	2 Mucilage wells
1 Walnut revolving chair	4 Books (removing obstructions)
1 Long table	1 Roll-top desk
2 Books of record plats	1 Walnut cabinet
1 Pair scissors	1 Parallel rule
3 Ash, arm revolving chairs	2 Straight edges
1 Wardrobe	1 Blue print frame
10 Cane seat chairs	5 Upholstered seat walnut chairs
3 Bill clips	1 Map case
1 Book case	1 City directory
1 Record of permits to move buildings	12 Hasp files
3 Carpets	2 Small tables
715 Plans, etc.	1 Ash desk
2 Large rubber triangles	6 Shannon files
1 Box rubber type	2 Glass paper weights
Letter files	1 Eyelet punch
	Iron paper weights

FOR REPAIRING STREETS AND SEWERS.

3 Six-ft saws	1 Hand truck
80 Feet rope	8 Lanterns
3 Sets harness	6 Frame cribs
1 Scraping machine wagon	4 Five-ft saws
1 Repair wagon	12 Shovels
1 Saw set	2 Hand saws
1 Set single harness	2 Pikes
3 Jack screw bars	5 Windlasses
2 Grind stones	9 Jacks
4 Crow bars	6 Pike poles
1 12-inch hoe	1 Goose-neck wagon
1 Spike maul	1 Wagon jack
1 Ladder	1 Set double harness for rock wagon
2 Horse covers	6 Wheel barrows
1 Set double harness	1 Wooden dolly
1 Rock wagon	2 Sledge hammers
1 Steam road roller, 15 tons (bad condition)	1 Auger 3/4-inch
1 Sewer dredger	2 Axes
12 Sewer buckets	1 Pair shafts

TOOLS AT CITY PARK.

600 Feet garden hose (300 ft good)	150 Feet fire hose
2 Single harness	5 Axes
7 Mallets	1 Auger
1 Wagon	2 Crow bars
2 Pipe cutters	2 Ladders
1 48x12 cylinder boiler and fixtures, 40-horse power	1 Grind stone
18 Grubbing hoes	2 Horse covers
18 Shovels	1 Sledge hammer
3 Corn rakes	1 Sprinkler
1 Garden hoe	2 Stencil brushes
2 Sickles	1 Vice
12 Hand sprinklers	8 Spades
1 Double harness	6 Wooden rakes
1 Cross-cut saw	4 Hooks
1 Curry comb and brush	2 Scythes
1 Set of dies	2 Mowers
2 Carts	10 Wheel barrows
2 Monkeywrenches	1 Block and tackle
5 Picks	1 Hand pump
20 Padlocks	80 Feet rope

City Surveyor's Report

Portland, Oregon, January 2, 1897.

To the Honorable, the Common Council of the City of Portland:

Gentlemen—I have the honor to hand you herewith the annual report of the operations of the City Surveyor's Department for the year ending December 31, 1896, as provided for by ordinance, containing statements of the street and sewer work estimated and done, street extension surveys, and work done by permit issued by the Superintendent of Streets, also a full statement of all sewers constructed to date, and a statement of the length in feet and miles of the different kinds of pavements, sidewalks and crosswalks, the distinction between work estimated and work done is that work estimated refers to work of which estimates have been made but the work not in all cases completed up to the time of submitting this report; work done refers to work entirely completed.

There has been during the latter half of the past year renewed activity in the improvement of streets. On the east side of the river many streets have been opened. On the west side the improvements have generally taken the form of repaving old street. A considerable amount of this repaving has been in the northern part of the city, where the grades are level or nearly so. This has necessitated very careful surveying and adjusting of the gutter grades to facilitate drainage.

During the first half of the year, as there was no great amount of street improvement being done requiring the services of this department, the time was used to good advantage in placing monuments in various parts of the city. Quite a number of these monuments, as well as those located in former years, have not been adopted by ordinance. I think that to answer the full purpose for which they are intended, measures should be taken to make them official. All monuments have been connected with the base of city grades, thus making on each a permanent bench mark. Levels have also been run for establishing bench marks on the East Side at places where monuments have not yet been located.

The atlas map, which I consider one of the most important pieces of work ever undertaken by this office, now embraces nearly the entire city. It has been kept up to date and modified from time to time, as

the extension of streets and the subdivision of property into lots and blocks necessitated.

Some surveying has been necessary to obtain data for the establishment of grades in various parts of the city, while the length of streets covered by grades established have not been large. The surveying has always been made to cover as large an area as was necessary to prevent any difficulty in the future regarding drainage.

All of which is respectfully submitted.

FRANK F. GILHAM,
City Surveyor.

STREET WORK ESTIMATED IN 1886—(Under Ordinance)

Number	Name of Street	Extent of Improvement
1	Twenty-fourth street	Thurman street to Vaughn street
2	Belmont street	East Water street to East 34th street
3	Sixteenth street	Mill street to Montgomery street
4	Chapman street	Morrison street to Taylor street
5	Chapman street	Jefferson street to Salmon street
6	East 34th street	East Stark street to Hawthorne avenue
7	Ankeny street	Fourth street to Fifth street
8	Fourth street	Burnside street to Jefferson street
9	Third street	Yamhill street to Glisan street
10	Constance street	Union avenue to east line of Albina
11	Burnside street	Sixth street to Washington street
12	Fourth street	Burnside street to Glisan street
13	Washington street	Third street to Burnside street
14	Going street	Union avenue to east line of Highland
15	Burnside street	Third street to Sixth street
16	Haight street	Shaver street to Mason street
17	East Taylor street	East 34th street to East 38th street
18	Curry street	Macadam street to Corbett street
19	Union avenue	Prescott street to Alberta street
20	Stark street	Fourth street to Sixth street
21	Russell street	Williams avenue to Delay street
22	Hawthorne avenue	East Water street to East Third street
23	First street	Stark street to Madison street
24	Wheeler street	Clackamas street to Wasco street
25	Washington street	First street to Third street
26	Oak street	Third street to Sixth street
27	Alley, in blk 146, E. P.	East Burnside street to East Ankeny street
	Total	

STREET WORK ESTIMATED IN 1896—(Under Ordinance), Continued

Date of Estimate	No. of Ordinance	Cubic Yards				
		Excavation	Embankment	Gravel	Macadam	Sand
January... 28, 1896	9614	452	557			
March.... 21, 1896	9664	17253	16704			
March.... 25, 1896	9660	175	77			
April..... 7, 1896	9691	655	14		748	
April..... 7, 1896	9692	523	65		889	
May..... 12, 1896	9726	2283	18			
May..... 12, 1896	9727				147	
June..... 10, 1896	9765	3957				
June..... 23, 1896	9806					
July..... 27, 1896	9824	1620	32			
July..... 28, 1896	9838				1396	
July..... 27, 1896	9837	1442			632	148
August.... 12, 1896	9884					
August.... 25, 1896	9871	15823	23			
September. 8, 1896	9912	556				
September. 8, 1896	9913	2867				
September. 8, 1896	9914	4218	277			
September. 28, 1896	9899	633	1088		749	
September. 29, 1896	9893	10649		1958		
October.... 26, 1896	9976				395	
October.... 24, 1896	9975	1641	890			
November.. 2, 1896	10009					
October.... 28, 1896	9985	918				
November.. 23, 1896	10023	416	67			
November.. 23, 1896	10021	329				80
November.. 23, 1896	10022	483	24			117
December.. 8, 1896	10051	16				
		66909	19836	1958	4956	345

STREET WORK ESTIMATED IN 1896—(Under Ordinance), Continued

Number	Name of Street	Cubic Feet		Lineal Feet					Cement Curb
		Concrete	Curb	Sidewalk	Crosswalk	Open Gutter	Box Gutter	Stone Gutter	
1	24th street			871					
2	Belmont street			11105					
3	16th street			442	54				
4	Chapman St.				172		112		
5	Chapman St.				288		200		
6	East 34th St.								
7	Ankeny street								
8	Fourth street							4747	
9	Third street	4008							
10	Constance St								
11	Burnside St.								
12	Fourth street							2460	
13	Washington St.	3415						4179	
14	Going street			4627	1320	5131	636		
15	Burnside St		1088						
16	Haight street			800					
17	E. Taylor street			2210	300				
18	Curry street						1400		
19	Union ave			2427			112	204	
20	Stark street								
21	Russell St			4419					
22	Hawthorne ave								
23	First street		1135						
24	Wheeler St			100					
25	Washington St		140						
26	Oak street		923						
27	Alley, 146, E. P.								
	Total	7423	3286	27001	2134	5131	748	1916	11386

STREET WORK ESTIMATED IN 1896—(Under Ordinance), Continued

Lineal Feet—Continued			Square Feet			Square Yards		
½ Bridge	½ Bridge Redecking	½ Plank Roadway	Concrete	Asphalt	Wood Block	Concrete	Brick	Wood Block
2904	772	14567						
		5103						
			138244	138244				
					118612			
								4430
					85978			
						2575	2667	
		2500						
5230								
	935							
						7694		7746
							1851	1930
							2802	2802
		400						
8134	1707	22570	138244	138244	204590	15022	7399	12176

STREET WORK DONE IN 1896—(Under Ordinance)

Number	Name of Street	Extent of Improvement
2	Commercial street.....	Shaver street to Russell street.....
3	East First street.....	Hancock street to Holladay street.....
4	Taylor street.....	Second street to Fourth street.....
5	Couch street.....	First street to Sixth street.....
6	Kerby street.....	Morris street to Fargo street.....
7	Monroe street.....	Borthwick street to Gantenbein street.....
8	Twenty-fourth street.....	Thurman street to Vaughn street.....
9	Belmont street.....	East Water street to East 34th street.....
10	Sixteenth street.....	Mill street to Montgomery street.....
11	Chapman street.....	Morrison street to Taylor street.....
12	Chapman street.....	Jefferson street to Salmon street.....
13	East Thirty-fourth St.....	East Stark street to Hawthorne avenue.....
14	Ankeny street.....	Fourth street to Fifth street.....
15	Fourth street.....	Burnside street to Jefferson street.....
16	Third street.....	Yamhill street to Glisan street.....
17	Constance street.....	Union avenue to east line of Albina.....
18	Burnside street.....	Sixth street to Washington street.....
19	Fourth street.....	Burnside street to Glisan street.....
20	Washington street.....	Third street to Burnside street.....
21	Going street.....	Union avenue to east line of Highland.....
22	Burnside street.....	Third street to Sixth street.....
23	Haight avenue.....	Shaver street to Mason street.....
24	East Taylor street.....	East 34th street to East 35th street.....
25	Stark street.....	Fourth street to Sixth street.....
	Total	

STREET WORK DONE IN 1896—(Under Ordinance)—Continued.

Date of Estimate	No. of Ordinance	Cubic Yards				
		Excavation	Embankment	Gravel.....	Macadam.....	
October.....	8, 1895	9480				
October.....	8, 1895	9477	3070	4190		
November....	12, 1895	9500	2606	78	2299	
November....	26, 1895	9531			285	
December....	10, 1895	9547			915	
December....	23, 1895	9572	1587			
December....	23, 1895	9575	2024	6		
January.....	28, 1896	9614	452	557		
March.....	21, 1896	9664	17253	16704		
March.....	25, 1896	9660	175	77		
April.....	7, 1896	9691	665	14	748	
April.....	7, 1896	9692	523	65	889	
May.....	12, 1896	9726	2283	18		
May.....	12, 1896	9727			147	
June.....	10, 1896	9765	3957			
June.....	23, 1896	9806				
July.....	27, 1896	9824	1620	32		
July.....	28, 1896	9834			1396	
July.....	27, 1896	9837				
August.....	12, 1896	9884				
August.....	25, 1896	9871	15823	53		
September... 8, 1896	9912	359				
September... 8, 1896	9913	2867				
September... 8, 1896	9914	4218	277			
October.....	26, 1896	9976			395	
			59482	22071	2299	4775

SEWER WORK ESTIMATED DURING 1896.

Number.....	Name of Sewer.	Extent of Sewer.
2 Vancouver avenue.....	Page street to Vancouver avenue.....	
3 East Ninth street.....	East Sherman street to Hawthorne avenue.....	
4 Rodney avenue.....	Morris street to Stanton street.....	
5 East 34th street.....	Hawthorne avenue to East Yamhill street.....	
6 East 34th street.....	East Washington to sewer in East 34th.....	
7 Sacramento street.....	Rodney avenue to Williams avenue.....	
8 Williams avenue.....	Sacramento street to Williams avenue.....	
9 Rodney avenue.....	Sacramento street to Williams avenue.....	
10 East Tenth street.....	East Caruthers street to Hawthorne avenue.....	
11 East 33d street.....	Belmont street to East Yamhill street.....	
12 Gibbs street.....	Second street to First street.....	
13 Tanner Creek.....	.....
14 Belmont street.....	East 33d street to Belmont street.....	
15 Eugene street.....	Rodney avenue to Williams avenue.....	
16 East Yamhill street....	East 24th street to East Nineteenth street....	
17 East Grant street.....	East Sixth street to East Ninth street.....	
18 Wilson street.....	Twenty-sixth street to Twenty-first street....	
19 Tillamook street.....	Rodney avenue to Williams avenue.....	
Total.....	.....

SEWER WORK ESTIMATED DURING 1896—Continued.

Date of Estimate.	No of Ordinance.	Sewer For 6 Foot		Lineal Feet Terra Cotta Pipe			
		8-in Stone Bottom.....	4-in Stone Bottom.....	16-inch.....	14-inch.....	12-inch.....	10-inch.....
January..... 2, 1896	9577	.....	.....	.....	438	436	1054
April..... 27, 1896	9693	.....	.....	.....	.....	.....	586
April..... 27, 1896	9694	.....	.....	427	220	672	426
April..... 29, 1896	9695	.....	.....	.....	.....	.....	.....
May..... 12, 1896	9728	.....	.....	.....	246	456	42
May..... 12, 1896	9729	.....	.....	.....	.....	140	452
May..... 28, 1896	9747	.....	.....	.....	.....	.....	455
May..... 28, 1896	9748	.....	.....	.....	.....	.....	134
July..... 6, 1896	9807	.....	.....	.....	.....	.....	185
July..... 20, 1896	9825	.....	.....	464	220	660	622
August..... 11, 1896	9599	.....	.....	.....	.....	212	.....
August..... 11, 1896	9845	.....	.....	.....	.....	.....	.....
Resolution.....	.....	109	463	.....	.....	.....	.....
September.... 8, 1896	9915	.....	.....	.....	.....	.....	68
September.... 29, 1896	9928	.....	.....	.....	.....	.....	.....
October..... 12, 1896	9965	.....	.....	.....	.....	690	484
October..... 12, 1896	9966	.....	.....	.....	.....	.....	.....
October..... 26, 1896	9977	.....	.....	.....	.....	2138	.....
November..... 24, 1896	10015	.....	.....	.....	.....	.....	.....
.....	.....	109	463	891	1124	5404	4508

SEWER WORK ESTIMATED DURING 1896—Continued.

Number	Name of Sewer.	Lineal Feet Terra Cotta Pipe—Con.			"Y" Branches Terra Cotta Pipe					
		8-inch	Catch Basins 8-inch for	1/2-Bends 8-inch	Elbows 8-inch	14x8-inch	12x8-inch	10x8-inch	8x8-inch	10x8-inch
1	East Salmon St...		210	1	18					
2	Vancouver Ave ...		22	1	3					
3	East Ninth St.....		424	7	30			1		35
4	Rodney Ave	176	8	1				1		
5	East 34th street...		126		12					
6	East 34th street...		126		12					
7	Sacramento street.		9					1		
8	Williams Ave		46		3			1		
9	Rodney avenue		20	1	1			3		
10	East Tenth street.		371	4	28			1		35
11	East 33d street...									
12	Gibbs street	188								
13	Tanner Creek									
14	Belmont street ...	161	13		3					
15	Eugene street	457								
16	East Yamhill St...		70	1	12					
17	East Grant street.	580	8	1						
18	Wilson street		60		12			1		
19	Tillamook street ..	423								
	Total	1985	1513	17	134	2	3	11	1	76

SEWER WORK ESTIMATED DURING 1896—Continued.

"Y" Branches Terra Cotta Pipe—Continued.				Cubic Yards			Number of				
14x6-inch	12x6-inch	10x6-inch	8x6-inch	Excavation & Refilling		Concrete	Manhole	Combined Manholes & Catchbasin	Lampholes	Concrete Round Corners	Concrete
				Earth	Gravel						
38	40	100		2155			2	6	1		6
		56		541				1	1		1
20	60	41		1823	79			7	1		16
			16	153					1		
16	32	4		591				3			6
	10	34		568				3			6
		41		380			1		1		
		12		130				1			1
		17		181					1		1
20	60	60		2117	27			8	1		12
	14			236							
		1	16	161							
						57	6				
		6	12	156				1			1
			40	382							
	55	38		1053				4	1		4
			54	586				1		1	
	197			2266				5	4		4
			36	364				1			
94	468	410	174	13843	106	57	6	11	38	9	58

SEWER WORK DONE DURING 1896.

Number.....	Name of Sewer.	Extent of Sewer.
1	Pacific street.....	East Eighth street to Grand avenue.....
2	Rodney av and Stanton.	Sellwood street to Williams avenue.....
3	East Eighth street.....	Broadway to Hancock street.....
4	East 12th street.....	East Washington to East 12th street.....
5	East 11th street.....	Division street to Hawthorne avenue.....
6	East Salmon street.....	East 23d street to East 14th street.....
7	Vancouver avenue.....	Page street to Vancouver avenue.....
8	East Ninth street.....	East Sherman street to Hawthorne avenue.....
9	Rodney avenue.....	Morris street to Stanton street.....
10	East 34th street.....	Hawthorne avenue to East Yamhill.....
11	East 34th street.....	East Washington street to East 34th.....
12	Sacramento street.....	Rodney avenue to Williams avenue.....
13	Williams avenue.....	Sacramento street to Williams avenue.....
14	Rodney avenue.....	Sacramento street to Williams avenue.....
15	East Tenth street.....	East Caruthers to Hawthorne avenue.....
16	East 33d street.....	Belmont street to East Yamhill street.....
17	Gibbs street.....	Second street to First street.....
18	Tanner Creek sewer.....	Washington street to Couch street.....
19	Belmont street.....	East 33d street to East 32d street.....
20	Eugene street.....	Rodney avenue to Williams avenue.....
21	East Yamhill street.....	East 23d street to East 19th street.....
22	East Grant.....	East Sixth street to East Ninth street.....
23	Wilson street.....	Twenty-sixth street to Twenty-first street.....
	Total.....	.....

SEWER WORK DONE DURING 1896—Continued.

Date of Estimate	No. of Ordinance.	For 6 Foot Sewer		Lineal Feet Terra Cotta Pipe				
		8-in Stone Bottom..	4-in Stone Bottom...	20-inch.....	18-inch.....	16-inch.....	14-inch.....	12-inch.....
November 12, 1895	9501	.....	.....	.....	.....	.....	.....	.....
December 9, 1895	9532	.....	.....	.....	.....	.....	.....	.....
December 9, 1895	9533	.....	.....	.....	.....	.....	.....	.....
December 9, 1895	9549	.....	.....	.....	.....	.....	168	.....
December 26, 1895	9576	.....	.....	480	658	654	218	.....
January.. 2, 1896	9577	.....	.....	.....	.....	.....	438	436
April..... 27, 1896	9693	.....	.....	.....	.....	.....	.....	.....
April..... 27, 1896	9694	.....	.....	.....	.....	427	220	672
April..... 27, 1896	9695	.....	.....	.....	.....	.....	.....	.....
May..... 12, 1896	9728	.....	.....	.....	.....	.....	246	456
May..... 12, 1896	9729	.....	.....	.....	.....	.....	.....	140
May..... 28, 1896	9747	.....	.....	.....	.....	.....	.....	.....
May..... 28, 1896	9748	.....	.....	.....	.....	.....	.....	.....
July..... 6, 1896	9808	.....	.....	.....	.....	.....	.....	.....
July..... 20, 1896	9825	.....	.....	.....	.....	.....	.....	.....
August... 11, 1896	9599	.....	.....	.....	.....	464	220	660
August... 11, 1896	9845	.....	.....	.....	.....	.....	.....	212
Resolution .....	.....	129	469	.....	.....	.....	.....	.....
September 8, 1896	9915	.....	.....	.....	.....	.....	.....	.....
September 29, 1896	9928	.....	.....	.....	.....	.....	.....	.....
October... 12, 1896	9965	.....	.....	.....	.....	.....	.....	690
October... 12, 1896	9966	.....	.....	.....	.....	.....	.....	.....
October... 26, 1896	9977	.....	.....	.....	.....	.....	.....	2138
.....	.....	129	469	480	658	1545	1510	5404

SEWER WORK DONE DURING 1896—Continued.

Number.....	Name of Sewer.	Terra Cotta Pipe Continued		"Y" Branches Terra Cotta Pipe								
		10-inch.....	8-inch.....	8-inch for Catch Basins	¾-Bends 8-inch.....	Elbows 8-inch.....	18x10-inch....	16x10-inch....	14x10-inch....	14x8-inch.....	12x8-inch.....	
1	Pacific street ...	767	.....	52	1	9	.....	.....	.....	.....	.....	.....
2	Rodney - Stant'n	534	164	81	2	4	.....	.....	.....	.....	.....	.....
3	E. Eighth St....	.....	412	35	1	3	.....	.....	.....	.....	.....	.....
4	East 12th St....	.....	.....	13	1	.....	.....	.....	.....	.....	.....	.....
5	East 11th St....	238	.....	252	.....	22	1	3	1	.....	.....	.....
6	E. Salmon St... 1054	.....	.....	210	1	18	.....	.....	.....	.....	.....	.....
7	Vancouver Av ...	586	.....	22	1	3	.....	.....	.....	.....	.....	.....
8	East 9th St....	426	.....	424	7	30	.....	.....	.....	.....	.....	.....
9	Rodney Av .....	.....	176	8	1	.....	.....	.....	.....	.....	.....	.....
10	East 34th street.	42	.....	126	.....	12	.....	.....	.....	.....	.....	.....
11	East 34th street.	452	.....	126	.....	12	.....	.....	.....	.....	.....	.....
12	Sacramento St ..	455	.....	9	.....	.....	.....	.....	.....	.....	.....	.....
13	Williams Av ...	134	.....	46	.....	3	.....	.....	.....	.....	.....	.....
14	Rodney Av	185	.....	20	.....	1	.....	.....	.....	.....	.....	.....
15	East 10th St....	622	.....	371	4	28	.....	.....	.....	.....	.....	.....
16	East 33d St....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	Gibbs street .....	.....	188	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	Tanner Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	Belmont St	68	161	13	.....	3	.....	.....	.....	.....	.....	.....
20	Eugene St .....	.....	457	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	E. Yamhill St... 484	.....	.....	70	1	12	.....	.....	.....	.....	.....	.....
22	East Grant .....	.....	580	8	1	.....	.....	.....	.....	.....	.....	.....
23	Wilson street .....	.....	.....	68	.....	12	.....	.....	.....	.....	.....	.....
	Total	6047	2138	1954	21	172	1	3	1	3	.....	.....

SEWER WORK DONE DURING 1896—Continued.

No. of "Y" Branches Terra Cotta Pipe—Continued.										Cubic Yards			Number of			
10x8-inch.....	8x8-inch.....	20x6-inch....	18x6-inch....	16x6-inch....	14x6-inch....	12x6-inch....	10x6-inch....	8x6-inch....	Excav'tn Refilling	Excav'n Gravel		Concrete.....	Manholes.....	Combined Manholes Catchbasins	Lampholes..	Concrete Round Corners.....
										Earth..	Gravel..						Manholes.....	Concrete.....	Concrete.....
.....	.....	.....	.....	.....	.....	.....	66	.....	796	.....	.....	.....	.....	3	1	3
.....	.....	.....	.....	.....	.....	.....	49	16	698	.....	.....	.....	.....	1	2	2
.....	1	.....	.....	.....	.....	.....	.....	38	385	.....	.....	.....	.....	1	1	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	259	.....	.....	.....	.....	.....	1	.....
.....	.....	40	60	60	20	.....	16	.....	2094	1200	.....	.....	.....	5	.....	12
.....	3	.....	.....	.....	38	40	100	.....	2155	.....	.....	.....	.....	2	6	6
.....	1	.....	.....	.....	.....	.....	56	.....	541	.....	.....	.....	.....	1	1	1
.....	1	.....	.....	.....	38	20	60	41	1823	79	.....	.....	.....	7	1	16
.....	1	.....	.....	.....	.....	.....	.....	16	153	.....	.....	.....	.....	.....	1	.....
.....	.....	.....	.....	.....	16	32	4	.....	591	.....	.....	.....	.....	3	.....	6
.....	.....	.....	.....	.....	10	34	.....	.....	568	.....	.....	.....	.....	3	.....	6
.....	1	.....	.....	.....	.....	41	.....	.....	380	.....	.....	.....	.....	.....	1	.....
.....	1	.....	.....	.....	.....	12	.....	.....	130	.....	.....	.....	.....	.....	.....	1
.....	3	.....	.....	.....	.....	.....	17	.....	181	.....	.....	.....	.....	.....	1	1
.....	1	.....	.....	.....	38	20	60	60	2117	27	.....	.....	.....	1	4	12
.....	.....	.....	.....	.....	.....	.....	.....	.....	236	.....	.....	.....	.....	.....	.....	.....
.....	1	.....	.....	.....	.....	.....	.....	16	161	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57	6	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	6	12	156	.....	.....	.....	.....	1	.....	1
.....	.....	.....	.....	.....	.....	.....	.....	40	382	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	55	38	.....	1053	.....	.....	.....	.....	4	1	4
.....	.....	.....	.....	.....	.....	.....	.....	54	586	.....	.....	.....	.....	1	1	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	2266	.....	.....	.....	.....	.....	.....	4
17	2	40	60	136	130	468	546	192	17711	1306	57	6	15	45	13	76

WORK DONE UNDER PERMIT IN 1896.

Number of Permits Issued—106	Cubic Yards.				Lineal Feet.					
	Excavation.....	Embankment.....	Gravel.....	Macadam.....	Sidewalk Wood.....	Sidewalk Stone.....	Stone Curb.....	Crosswalk Wood.....	Crosswalk Stone.....	Stone Blocks.....
	43725	5655	1720	395	3985	1901	300	100	43	168
Total	43725	5655	1720	395	3985	1901	300	100	43	168

LENGTH AND MATERIAL OF ROADWAYS, SIDEWALKS AND CROSSWALKS IN PLACE IN THE CITY OF PORTLAND.

	In place Jan. 1, 1896		Laid during 1896		In place Jan. 1, 1897.	
	In Lin. Ft	In Miles	In Lin. Ft	In Miles	In Lin. Ft	In Miles
Bituminous rock pavement.....	11750	2.22	.....	.....	5125*	0.96*
Asphalt pavement	8360	1.58	6625	1.26	14985	2.84
Macadam pavement	216810	41.06	1600	0.30	214999*	40.72*
Gravel pavement	214275	40.58	3300	0.63	214135*	40.55*
Stone block pavement	24910	4.71	168	0.03	25078	4.74
Plank roadway	64717	12.26	11085	2.09	75792	14.35
Bridge	38858	7.36	1657	0.30	40505	7.66
Wooden block pavement.....	100	0.02	3053	0.58	3153	0.60
Brick pavement	200	0.04	448	0.09	648	0.13
Graded streets unpaved.....	375769	71.17	14246	2.70	384098	72.75
Total	955749	181.00	42162	7.98	978518	184.40
Wood sidewalk.....	1491864	282.55	25807	4.89	1517671	287.44
Cement and stone sidewalk.....	78568	14.87	1901	0.36	80649	15.28
Asphalt and Bituminous rock sidewalk	7683	1.45	.....	.....	7683	1.45
Brick sidewalk	115	0.02	.....	.....	115	0.02
Total	1578230	298.89	27708	5.25	1606118	304.19
Wood crosswalk	195161	36.96	3394	0.64	198555	37.60
Stone crosswalk	7351	1.39	43	0.01	7374	1.40
Total	202512	38.35	3437	0.65	205929	39.00

Streets where a decrease of pavement is indicated by a star show the amount of that pavement replaced by another class exceeds the amount of that pavement put in for this year.

STREET EXTENSION SURVEYS IN 1896.

Number.....	Name of Streets	Length of Survey in Miles.....	Date of Survey	Area in Square Feet Appropriated.
1	Grand avenue.....	.1405	February 15, 1896	11,794
2	Union avenue.....	.0742	February 15, 1896	5,884
3	East Third street.....	.0570	February 15, 1896	16,950
4	Division street.....	.1111	February 15, 1896	4,970
5	Ivon street.....	.1060	February 15, 1896	1,953
6	Clinton street.....	.0700	February 15, 1896	6,012
7	Taggart street.....	.0700	February 15, 1896	10,212
8	Ellsworth street.....	.0770	February 15, 1896	15,700
9	East Third street.....	.1571	February 11, 1896	24,915
10	Sixth street.....	.0114	October 21, 1896	5,089
	Total.....	.8743	.....	103,479

STREET EXTENSION SURVEYS IN 1896—Continued.

Description of Survey.
From the south line of Division street to the north line of Ellsworth street. (Strip on east side of street.)
From the south line of Division street to the south line of Clinton street. (Strip on east side of street.)
From the line between sections 3 and 10, Tp. 1 S. R. 1 E., W. M., to south line of Ivon street.
From the east line of East Third street to the west line of East Sixth street. (Strip on south side of street.)
From the east line of East Third street to the west line of East Sixth street. (Strip on north side of street.)
From the east line of Union avenue to the west line of East Sixth street. (Strip on north side of street.)
From the west line of East Sixth street to a point 200 feet west of the west line of Grand avenue. (Strip on north side of street.)
From the west line of East Sixth street to the Willamette river.
From the north line of East Market street to the northerly line of the S. P. R. R. Co.'s right of way.
From the north line of Sheridan street, produced westerly to the south line of Sheridan street, produced westerly.

RECAPITULATION OF WORK DONE DURING 1896.

	Lineal Feet																				
	Sidewalk			Gutter	1/2-Plank Roadway.....	1/2-Bridge.....	1/2-Bridge Repair.....	Stower pipe Laid.....													
	Wood....	Stone....	Cement Curb....						Wood and Stone....	Box.....	Open.....	Stone....									
By permit	3985	1901	300	211	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
By ordinance	27133	.....	9784	3533	756	5131	1044	22170	3304	3776	20972	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	31118	1901	10084	3744	756	5131	1044	22170	3304	3776	20972	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

RECAPITULATION OF WORK DONE DURING 1896—Continued.

	Cubic Yards				Number of				Square Feet				
	Excavation.....	Embankment...	Macadam.....	Gravel.....	Combination Manholes and Catchbasins..	Manholes.....	Lampholes.....	Elbows and 1/2-Bends.....	Concrete Corners.....	Asphalt.....	Brick.....	Wood Blocks.....	Concrete.....
168	43725	5655	395	1720	.....	.....	.....	.....	.....	.....	.....	.....	.....
....	78556	22071	4775	2299	45	15	13	193	76	204590	15552	138244	153841
....	122281	27726	5170	4019	45	15	13	193	76	204560	15552	138244	153841

City Attorney's Report

To the Honorable Mayor and Common Council of the City of Portland:

Gentlemen—Complying with the provisions of the law, I herewith submit to you the report of affairs of the office of City Attorney for the period from July 1, 1896, to December 31, 1896.

There are no provisions of the law requiring or allowing the incumbent of this office to receive or disburse money except as it may come into the office by virtue of a particular case, and therefore, as the money through the medium of this office, from the city has been disbursed as received and for the particular case for which it was required, and when received for the city was immediately paid into the City Treasury, it has not been a custom to keep a record of such receipts and disbursements, and I have followed the rule laid down by my predecessors and by the custom of the office.

The law requires the City Attorney to render advice to the different departments of the municipal government, to attend the meetings of the Common Council and to perform such duties as he would naturally be called upon to perform in the general administration of the affairs of the city. This I have been pleased to do and have but to report further the condition of the litigation in which the city is affected either as plaintiff or defendant. They are as follows, beginning with the situation as I found it on the first day of July, 1896:

J. F. and E. P. Atherton,

vs.

City of Portland.

A judgment in this case was rendered in favor of the city.

Guaranty Savings & Loan Society,

vs.

City of Portland.

This is an appeal from the report of viewers and is undetermined.

M. J. McMahon, et al.,

vs.

City of Portland.

This is an appeal from the report of viewers and is undetermined.

Margaretta Marshall,

vs.

City of Portland.

This is an appeal from the report of viewers and is undetermined.

Rosetta Sherlock,

vs.

City of Portland.

This is an appeal from the report of viewers and is undetermined.

Bullen Bridge Company,

vs.

City of Portland.

This is an action to recover an alleged balance of account claimed to be due for work performed for the Water Committee in the construction of the Bull Run water pipe, and is undetermined.

Commercial National Bank,

vs.

City of Portland.

This was an action for the recovery of the amount alleged to be due upon certain warrants issued for the improvement of Macadam street. The said action was dismissed at the instance of plaintiff.

E. K. Jones & Co.,

vs.

City of Portland.

This is an action to recover upon warrants issued for the improvement of Spokane avenue, improved under the authority of the old City of Sellwood. The case will be tried on the 23d of March, 1897.

B. S. Riley, et al.,

vs.

City of Portland.

This was a suit to recover interest on warrants and has been dismissed on motion of plaintiffs.

J. W. Cook,

vs.

City of Portland.

This is an appeal from the report of viewers and is undetermined.

W. O. Allen, et al.,

vs.

City of Portland.

This is a suit to restrain the city from selling property in payment of the cost of improvement of Sixth street. It has been submitted to the circuit court upon the merits, but has not yet been decided.

Jennie Crosier,

vs.

City of Portland.

This was a suit in equity to enjoin the sale of property for the improvement of the sewer on East Twelfth street and was determined in favor of the plaintiff and against the city.

Eshberg, Gunst Cigar Co.,

vs.

City of Portland.

This was an action to recover about \$3000.00 from the city for damages alleged to have been caused by the bursting of a water main on Fourth street. The case was tried in the circuit court and judgment rendered in favor of the city. It has been appealed to the supreme court and is pending in that tribunal.

S. W. Graham, et al.,

vs.

City of Portland.

This is a writ of review contesting the opening of a street and is undetermined.

J. D. Kennedy,

vs.

City of Portland.

This was a writ of review contesting the improvement of Hamilton avenue and was decided upon the merits in favor of the city.

J. W. Cook,

vs.

City of Portland.

This is a suit in equity to restrain the issuance of a warrant for expenses of running the Stark street ferry for one month, and is undetermined.

City of Portland.

vs.

East Portland Water Company.

This was a suit to recover damages for water claimed to have been taken by the defendant from the city main and has been dismissed.

W. W. McGuire,

vs.

City of Portland.

This is an appeal from the report of the viewers and is undetermined.

O. R. & N. Co.,

vs.

City of Portland.

This is an appeal from the report of the viewers, and is undetermined.

City of Portland.

vs.

—, —, Mair.

This was an action of ejectment, was transferred to the United States circuit court, and was subsequently settled.

City of Portland.

vs.

P. W. Gillette.

This was an action of ejectment, was transferred to the United States circuit court, and was subsequently settled.

T. F. Osborn, et al.,

vs.

City of Portland.

This is a suit to restrain the sale of property for the cost of improving East Twentieth street, and is now pending the decision of the circuit court upon the merits.

Jennie Porter,

vs.

City of Portland.

This is a suit in equity to restrain the sale of property for the payment of the cost of repairing Tanner creek sewer, and is undetermined.

Helen Ramsdall,

vs.

City of Portland.

This is a suit in equity to restrain the sale of property for the payment of cost of constructing the Portland Heights sewer. It has been submitted to the circuit court upon the merits, but not yet decided.

Ella P. Sears,

vs.

City of Portland.

This is a suit in equity to enjoin the extension of street, and is undetermined.

Sunnyside Land & Improvement Co.,

vs.

City of Portland.

This was an appeal from the report of the viewers and has been dismissed.

S. W. Sigler,

vs.

City of Portland.

This is an appeal from the report of the viewers, and is undetermined.

E. Shannon, et al.,

vs.

City of Portland.

This is a suit in equity to restrain the sale of property for the payment of the cost of the improvement of East Water street, and will be tried before the circuit court upon the merits on the 19th of March, 1897.

Melissa D. Thayer,

vs.

City of Portland.

This is a suit in equity to enjoin the sale of property for the payment of the improvement of Eleventh street, and is undetermined.

C. H. Woodard, et al.,
vs.
City of Portland.

This is a suit in equity to enjoin the sale of property for the cost of a sewer improvement, and is undetermined.

T. A. Wood,
vs.
City of Portland.

This is a suit in equity to restrain the sale of property for the improvement of Umatilla avenue under the old municipal government of Sellwood, and is undetermined.

Eugene D. White,
vs.
City of Portland.

This is a suit to restrain the sale of property for the payment of construction of Portland Heights sewer, and is pending upon the decision of the circuit court upon the merits.

H. W. Corbett, et al.,
vs.
City of Portland.

This is a suit in equity to restrain the collection of the 2-mill tax. It was tried in the circuit court and decree entered in favor of the city. Subsequently appealed by the plaintiff to the supreme court where it now stands upon a motion to advance same upon the docket for an early hearing.

City of Portland,
vs.
Bituminous Paving & Contract Co.

This is an action on the part of the City of Portland against the bondsmen of the contractor for the improvement of Washington street. A judgment was rendered in favor of the city from which judgment defendants appealed to the supreme court where the same is now pending and will be argued during the spring term.

William M. Ladd,
vs.
City of Portland.

This is a suit to enjoin the City of Portland from selling certain property of the plaintiff's for the payment of the cost of im-

provement of Grand avenue. A decree was rendered in favor of the city upon demurrer to the complaint from which decree an appeal was taken to the supreme court of the state, where the case is now pending and will be argued during the spring term of that tribunal.

City of Portland,
vs.
John Meyer.

This is a suit on the part of the city to restrain the defendant from maintaining a nuisance. A decree was rendered in favor of the city, from which decree the defendant has appealed to the supreme court, where the same is now pending.

William M. Ladd, et al.,
vs.
City of Portland.

This was a suit in equity to restrain the city from proceeding with the improvement of Tenth street. A decree was entered in favor of the plaintiffs and against the city.

City of Portland,
vs.
Mechanics' Fair Association.

This was a suit on the part of the city to set aside and annul a lease of the block of ground occupied by the Mechanics' Fair Association and has been dismissed.

M. W. Smith,
vs.
City of Portland.

This is a suit to restrain the city from the sale of property for the cost of the improvement of Multnomah street. It has been argued in the supreme court and is now awaiting a decision of that tribunal.

H. R. Alden,
vs.
City of Albina.

This was an action against the old municipality of Albina to recover the price of a fire engine. The case has been dismissed.

P. G. Baker,
vs.
City of Portland.

This is a suit in equity to restrain the sale of property for the cost of improvement of Hood street and is undetermined.

Angeline Berry,
vs.
City of Portland.

This is a suit in equity to restrain the sale of property for the cost of improvement of East Oak street and is undetermined.

C. W. Barger,
vs.
City of Portland.

This case has been dismissed.

Richard Clinton, et al.,
vs.
City of Portland.

This is a suit in equity to restrain the sale of property for the payment of the cost of improvement of East Eighth street. It has been submitted to the circuit court upon the merits and is now awaiting decision.

John Funge,
vs.
City of Portland.

This was a suit to enjoin the city from the sale of property for the construction of a sewer and has been dismissed.

L. N. Foster,
vs.
City of Portland.

This suit has been submitted to the referee upon the merits but has not yet been decided.

H. A. Hogue,
vs.
City of Portland.

This is a suit in equity to restrain the levying of an assessment for the improvement of Williams avenue and is undetermined.

Amanda Dryden,
vs.
City of Portland.

This is a suit in equity to restrain the sale of property for the cost of the construction of the Portland Heights sewer. It has been submitted to the circuit court upon the merits but has not yet been decided.

Samuel Heitshu,
vs.
City of Portland.

This was a suit in equity to restrain the sale of property for the cost of improvement of Marshall street. The suit was tried and a decree entered in favor of the city.

Edward O'Dea,
vs.
City of Portland.

This case was dismissed at the instance of the plaintiff.

W. H. Mall, et al.,
vs.
City of Portland.

This is a suit in equity to determine the question as to whether or not interest can be charged against the installments for the payment of street or sewer improvements under the bonding act and stands upon a demurrer to the complaint.

A. Hamilton,
vs.
A. N. Gambell.

This is an action at law instituted for the purpose of determining the validity of ordinance No. 9183 entitled "An ordinance for the protection of labor and material, men performing labor or furnishing material in the improvement of streets or sewers." The decision of the circuit court was against the city, but the case has been appealed to the supreme court and will be speedily argued.

Rachel Hawthorne,
vs.
City of Portland, et al.,

This was a suit in equity to enjoin the city from purchasing the plant of the East Portland Water Company. A demurrer to the complaint was sustained by the circuit court and no further action has been taken by plaintiff.

A. J. Brauer,
vs.
City of Portland.

This is an action at law instituted by plaintiff to collect a portion of the salaries of firemen who claim they had not received full salary. The question involved was as to whether or not the salary of the firemen could be reduced by the action of the Board of Fire Commissioners. A demurrer to the answer was overruled by the circuit court and the case now stands ready for trial.

H. J. McInnis,
vs.
City of Portland.

This is an action at law instituted by plaintiff to recover salary alleged to have been earned as harbor policeman after the Mayor had attempted to discharge him from that office. The case has been set for trial.

D. Brand,
vs.
City of Portland, et al.,

This is a suit in equity to compel the city or county to open the approach to the Madison-street bridge which was closed by the Bridge Commission before the transfer of the bridge to the city. The case stands upon demurrer to the complaint and has not been yet determined.

It will be noticed that a large number of the suits instituted against the city were to restrain the city from the collection of assessments for the improvement of streets and in all of these suits the proceedings were alleged to be void by reason of irregular jurisdiction or otherwise. Since the 1st of July, 1896, there have been no such suits instituted, par-

ticular care having been taken by all of the officers connected with the proceedings for the improvement of streets and construction of sewers, that all steps therein be carefully considered so that there might be no successful litigation by property-owners to resist the payment for the improvement of streets in front of their property.

In submitting this report I have to mention my assistants, Mr. Fred L. Keenan and Mr. W. M. Davis, and state that they have given to the work of this office earnest and able support and have greatly aided me in the proper and speedy prosecution of the work which has come within my department.

Respectfully submitted,

WILLIAM M. CAKE,
City Attorney.

Municipal Judge's Report

Office of the Municipal Judge,
of the City of Portland.
Portland, Oregon, December 31, 1896.

To the Honorable, the Mayor and Common Council of the City of Portland:

Gentlemen—Herewith I present my report of the amounts received during the year of 1896 from City and State cases tried in the Municipal Court:

The following is a summary given by months:

January, 1896.		
State cases.....\$ 95.50	City cases.....\$603.00	Total.....\$ 698.50
February, 1896.		
State cases.....\$ 40.00	City cases.....\$439.00	Total.....\$ 479.00
March, 1896.		
State cases.....\$ 42.50	City cases.....\$421.40	Total.....\$ 463.90
April, 1896.		
State cases.....\$ 37.50	City cases.....\$171.00	Total.....\$ 208.50
May, 1896.		
State cases.....\$ 85.00	City cases.....\$134.00	Total.....\$ 219.00
June, 1896.		
State cases.....\$ 70.00	City cases.....\$271.00	Total.....\$ 341.00
July, 1896.		
State cases.....\$313.00	City cases.....\$365.00	Total.....\$ 678.00
August, 1896.		
State cases.....\$193.00	City cases.....\$ 85.00	Total.....\$ 278.00

MUNICIPAL JUDGE'S REPORT.

September, 1896.		
State cases.....\$274.50	City cases.....\$ 89.00	Total.....\$ 363.50
October, 1896.		
State cases.....\$234.00	City cases.....\$174.00	Total.....\$ 408.00
November, 1896.		
State cases.....\$ 97.50	City cases.....\$128.00	Total.....\$ 225.50
December, 1896.		
State cases.....\$248.50	City cases.....\$158.50	Total.....\$ 407.00
Total for year 1896.....		\$4769.90

Respectfully,

ALEX. SWEET,

Municipal Judge of the City of Portland.

Inspector of Plumbing and Drainage Report

To the Honorable Mayor and Common Council of the City of Portland,
Oregon:

Gentlemen—I have the honor to submit the following report of the
Department of Plumbing and Drainage for the year 1896:

New buildings with entire new system of plumbing and drainage.	200
Old buildings with entire new system of plumbing and drainage..	258
Buildings in which the plumbing was remodeled and ventilated...	358
Buildings connected to cesspools outside of sewer districts.....	138
Cellar drains connected to the public sewer, by permission.....	18
Reports of defective plumbing and drainage received.....	282
Reports of defective plumbing and unsanitary condition of premises, received from the Health Department.....	542
Abatements of defective plumbing returned to the Health Department	522
Written notices served to improve the sanitary condition of plumbing and drainage.....	575
Improvements of plumbing and drainage after receiving verbal notice	216
Water from the roof of buildings connected to the public sewer, by permission	14
Written communications received relating to unsanitary condition of premises	52
Inspection of plumbing and drainage.....	1,282
Inspection of unsanitary premises with defective plumbing and drainage	615
Licensed plumbers	43

During the past year public sewers have been extended 18,438 feet, which furnishes drainage for 860 blocks. The extension of public sewers has been of great value to the healthfulness of the districts they sewer. The abatement of overflowing cesspools and open vaults is made possible, and many of them have been filled up and connections made with sewers as promptly as the sanitary conditions of the premises demanded.

The amendment to the ordinance requiring the construction of cesspools within 100 feet of a water supply, when outside of sewer dis-

tricts, has been a source of relief to many, especially on the east side of the river. Many of the numerous petitions for sewer extensions have been brought about by orders to construct cesspools and connect the house drainage, while there have been 138 buildings connected to cesspools. Many have objected to them and petitioned for sewers and thereby made the improvement permanent.

The amendment to the ordinance requiring that all buildings used as laundries, butcher shops, fish, poultry or vegetable markets shall be supplied with cement safes which shall be at least three inches in thickness and of sufficient capacity to receive the drainage of all fixtures in or about such buildings, and that such safes shall be connected with the public sewer by a cast iron waste pipe of not less than two inches in diameter, with a bell, or other trap, supplied with clean water and properly set in the floor, has been a source of relief to many in the center of the city, where butcher shops, fish markets, vegetable markets and Chinese laundries are carried on. A number of such places have been compelled to remove the old and decayed flooring and replace it with cement flooring, which has very much improved the sanitary condition of the premises.

The new work has been principally in residence buildings, which has greatly limited the volume of the plumbing business, but many of the buildings are handsome and substantial structures of brick and wood, modern in design and appointments and which have been fitted up with plumbing fixtures of the most approved pattern with the ventilation and drainage arranged as required by ordinance.

There has been an increased amount of remodeling and repair work over the report of last year, which is of importance to the general health of the city.

There are twenty-eight public school buildings within the city, which accommodate nearly 10,000 pupils. I have made a thorough examination of these buildings and find that many of them are supplied with the most modern sanitary fixtures and others have been carefully remodeled so as to place them in a sanitary condition. The new system of plumbing and drainage placed in the Chapman school is a complete one and meets the requirements of city ordinances. The system for this building cost \$2,800, and necessitated the construction of a sewer 2,532 feet in length.

The school directors have expended considerable money during the year on remodeling and placing new plumbing fixtures in school buildings, and all schools within the sewer districts are connected with the public sewers. All fixtures are provided with sewer and local ventilation. The buildings situated out of the sewer limits are supplied with open vaults located at a distance from the buildings and receive as careful supervision as the circumstances of location will permit.

There have been several cases of scarlet and typhoid fever reported by the teachers in the public schools, which occasioned some alarm, yet, by the prompt use of sanitary measures in the homes, the public schools have been uninterrupted during the year.

I have found but little objection to the remodeling and repairs ordered, as the importance of sanitary improvements are better understood, more appreciated and less difficult to secure. It is a source of satisfaction to be able to report so many improvements in the sanitary condition of the city.

The following is a list of sewer extensions:

Ord. No.	Location	Size in inch	Length in feet	No. of blocks drained
9501	Pacific St. 75 ft east of east line of E. 8th St. to sewer in Grand Av. . . .	10	907	3.3
9532	Rodney Av. and Stanton St. 125 ft n. of n. line of Sellwood St., through Stanton to sewer in Williams Av. . . .	8-10	828	3.0
9533	E. 8th St., 12 ft s. of n. line of Broadway to sewer in Hancock St.	8	490	1.7
9576	E. Eleventh St. north line of Division St. to sewer in Hawthorne Av. . . .	10-14	2654	10.2
9577	E. Salmon St., w. line of E. 23d St. to sewer in E. 14th St.	10-12	2298	9.0
9599	E. 33d St., south line of Belmont St. to sewer in E. Yamhill St.	12	240	.9
9693	Vancouver Av., (Ext.) 50 feet south of south line of Page St. to connection at 200 feet south of south line of Tillamook street.	10	700	2.7
9695	Rodney Av., 50 feet south of south line of Morris street to sewer in Stanton street	8	210	.8
9728	E. 34th St., 50 feet south of south line E. Main St., to sewer in East Yamhill street	10-12-14	848	3.3
9729	E. 34th St., (Ext.) north line of Washington St., to connection at 100 feet north of north line of Belmont street	10-12	680	2.6
9747	Sacramento St., 100 feet west of Rodney Av., to sewer in Williams avenue	10	539	1.9
9748	Williams Av. (Ext.) 18 feet north of south line of Sacramento St. to connection at s. line of Page. . . .	10	160	.6

Ord. No.	Location	Size in inch	Length in feet	No. of blocks drained
9807	Rodney Av. (Ext.) 175 feet north of north line of Sacramento St. to connection at south line of Sacramento street	10	25	.85
9825	E. 10th St. north line of E. Caruthers street to sewer in Hawthorne avenue	10-12 14-16	2322	9.3
9845	Gibbs St. 25 feet E. of E. line of 2d St. to sewer in 1st St.....	8	222	.85
9915	Belmont St. (Ext.) 115 feet west of west line of East 33d St. to connection 30 feet west of west line of East 32d street.....	8-10	265	1.00
9928	Eugene St. 100 feet west of west line of Rodney Av. to sewer in Williams avenue	8	537	1.9
9965	East Yamhill St. 300 feet east of east line of E. 23d St. to sewer in East 19th street	10-12	1360	5.2
9966	East Grant St. 50 feet east of east line of East 6th St. to sewer in East Ninth street	8	688	2.6
9549	East 12th St. south line of East Washington St. to connection at north line of East Alder street..	14	200	.75
9694	East Ninth street, center line East Sherman to sewer in Hawthorne avenue	10-12 14-16	2065	8.

INVENTORY OF THE PROPERTY IN THE OFFICE OF
PLUMBING INSPECTOR, DECEMBER 31, 1896.

One counter	One piece linoleum
One city map	One black board
Two cuspidors	Two paper baskets
One wardrobe	One looking glass
Two writing desks	Two inkstands
One safe	One four-light fixture
Ten office chairs	2,000 blanks of various kinds

Respectfully submitted,

J. H. MORROW,

Inspector of Plumbing and Drainage.

Police Commissioner's Report

Portland, Oregon, January 1, 1897.

To the Honorable Mayor and the Common Council of the City of Portland, Oregon:

Gentlemen—Pursuant to the custom of this department, we have prepared the following statement of the expenses of the department in the year 1896, together with some tables showing the expenditures in the three years preceding 1896, for your convenience and consideration. We have also caused to be prepared by the Chief of Police and the various officers in charge of the different branches of this department an annual report for the better information of yourselves and the public concerning the operation of this department, copies of which are hereto attached:

FIRST HALF OF 1896.

	Jan.	Feb.	March.	April.	May.	June.
Salaries	\$6,138.35	\$5,263.35	\$5,456.35	\$5,657.35	\$5,649.35	\$5,444.15
Board, prisoners.	123.95	112.85	66.70	38.80	48.70	39.50
Exp. of Patrol wagon	6.25	23.40	7.20	2.00	15.50	48.90
Board and shoeing horses	96.19	74.83	110.51	97.86	87.30	75.00
Repairs of Police building ..	3.50	4.80	.....	.....	30.60	24.02
Fuel	45.80	34.20	45.80	29.50	17.90	17.90
Light	99.75	62.00	79.00	53.75	53.25	55.00
Books and Print'g	45.05	7.50	42.50	45.70	6.25	1.00
Telegrams	4.04	13.65	6.61	13.89	14.13	.....
Telephones	13.05	158.65	15.50	13.70	13.95	18.05
Miscellaneous ...	74.36	67.56	54.34	33.25	123.25	46.85
Total	\$6,650.29	\$5,822.79	\$5,884.51	\$5,985.80	\$6,060.18	\$5,770.37

December 31, 1896.

LAST HALF OF 1896.

	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Salaries	\$5,401.65	\$4,586.10	\$4,883.15	\$5,559.65	\$5,897.65	\$5,599.40
Board, prisoners.	63.10	55.90	84.70	.....	196.75	188.00
Exp. of Patrol wagon	11.10	.....	1.00	9.80	1.00	5.70
Board and shoeing horses	105.55	75.05	65.67	100.52	109.76	88.20
Repairs of Police building ..	.....	.....	.....	.....	11.80	25.00
Fuel .....	.....	6.30	5.50	24.20	41.40	28.90
Light	52.50	52.90	60.50	52.50	88.99	81.79
Books and Print'g	17.30	58.25	100.05	35.00	42.00	11.40
Telegrams	47.30	.....	28.52	.....	7.12	1.14
Telephones	28.45	13.55	25.35	47.35	27.35	34.95
Miscellaneous ...	96.37	60.20	107.73	75.44	195.70	254.45

Total\$5,823.32 \$4,908.25 \$5,362.17 \$5,904.46 \$6,619.52 \$6,318.93

There have been expended in the year 1896 for:

Salaries	\$65,536.50
Board of prisoners.....	1,018.95
Expenses of patrol wagon.....	131.85
Board and shoeing of horses.....	1,086.44
Repairs of police building.....	99.72
Fuel	297.40
Light	791.93
Books and printing.....	412.00
Telegrams	136.40
Telephones	409.90
Contingent expenses	1,189.50

Total\$71,110.59

COMPARATIVE STATEMENT OF EXPENDITURES OF THE PORTLAND POLICE DEPARTMENT.

	—1893—	—1894—	—1895—	—1896—
January	\$ 10,336.40	\$ 8,816.61	\$ 7,916.14	\$ 6,650.29
February	10,038.60	8,475.82	7,957.62	5,822.79
March	10,005.95	8,538.94	7,786.40	5,884.51
April	9,385.43	8,286.25	7,703.77	5,985.80
May	9,883.97	8,221.68	7,453.45	6,060.18

	—1893—	—1894—	—1895—	—1896—
June	10,208.70	8,997.86	7,202.25	5,770.37
July	9,851.75	8,991.24	6,594.76	5,823.32
August	9,832.04	8,474.65	6,209.16	4,908.25
September	9,428.37	7,829.63	6,241.99	5,362.17
October	9,132.72	8,567.33	6,344.42	5,904.46
November	9,627.06	8,519.50	6,451.52	6,619.52
December	10,274.11	8,459.85	6,560.90	6,318.93
Total	\$118,005.10	\$102,179.36	\$84,419.38	\$71,110.59

NAPOLEON DAVIS, President,

S. B. RIGGEN,

B. S. REILLY,

Board of Police Commissioners.

ERNST KRONER, Secretary.

POLICE DEPARTMENT

To the Honorable Board of Police Commissioners, City of Portland, Oregon:

Gentlemen—I submit to you herein my official annual report, together with a complete inventory of the property of this department:

NUMBER OF EMPLOYES OF THE POLICE DEPARTMENT.

1 Chief	2 Jailers
1 Secretary of the Board	2 License officers
3 Captains	1 Matron
1 Clerk	1 Stenographer and Telephone operator
5 Detectives	2 Patrol wagon drivers
2 Electricians	4 Mounted patrol officers
1 Health officer	50 Patrolmen
1 Humane officer	

NUMBERS AND LOCATIONS OF THE PORTLAND POLICE
TELEGRAPH BOOTHS.

Numbers.	Locations.
12.....	First and Washington
13.....	First and Taylor
14.....	First and Jefferson
15.....	First and Montgomery
16.....	First and Caruthers
17.....	First and Hooker
18.....	Fifth and Lincoln
21.....	Sixth and Morrison
22.....	First and Burnside
23.....	Third and Davis
24.....	Park and Glisan
25.....	Union depot
26.....	Eleventh and Davis
27.....	Park and Washington
31.....	Fourth and Market
32.....	Park and Jefferson
33.....	Twelfth and Montgomery
34.....	Fourteenth and Morrison
35.....	Jefferson and Chapman
36.....	Nineteenth and Washington
37.....	Twenty-second and Washington
41.....	Twenty-first and Hoyt
42.....	Sixteenth and Hoyt
43.....	Thirteenth and Northup
45.....	Seventeenth and Savier

LABOR PERFORMED BY PERSONS IMPRISONED IN CITY JAIL
DURING THE YEAR.

1896.	Days
January, on streets.....	150
February, on streets.....	180
March, in City Park.....	26
November, on streets.....	27
December, on streets.....	179
Total for the year.....	562

FINES COLLECTED IN THE MUNICIPAL COURT FOR YEAR.

1896.	Fines
January	\$ 698.50
February	479.00
March	463.00
April	208.50
May	219.00
June	341.00
July	726.00
August	240.00
September	362.50
October	408.50
November	225.50
December	407.00

Total	\$4,778.50
Amount of property reported stolen or lost during the year 1896	\$26,881.60
Amount of property recovered by Police Department during the year 1896.....	\$19,107.05
Total number of prisoners apprehended by the police for state offenses and sent to the county jail during the year 1896....	460

DEDUCTIONS SECURED FROM CITY LIGHT BILL ON ACCOUNT
OF DEFECTIVE LIGHTS REPORTED BY PATROLMEN.

January	\$ 41.85
February	7.50
March	19.67
April	9.00
May	5.40
June	6.85
July	18.05
August	7.65
September	19.74
October	25.26
November	362.89
December	111.36
Total	\$635.22

CLASSIFICATION OF ARRESTS MADE BY THE
DEPARTMENT.

Attempt to murder.....	1
Arson	1
Adultery	3
Assault	3
Assault and battery.....	200
Assault with dangerous weapons.....	12
Assault with intent to kill.....	12
Assault with intent to rape.....	12
Assault with intent to rob.....	4
Abusive language	25
Attempt to pass counterfeit money.....	15
Accidental shooting	1
Allowing poultry in run at large.....	1
Burglary	16
Bench warrant	11
Begging	196
Building fires in streets.....	2
Bicycles without lights.....	9
Buying and selling junk, no license.....	12
Boarding railroad trains while in motion.....	1
Buying and receiving stolen goods.....	12
Cruelty to animals.....	16
Contempt of court.....	4
Carrying concealed weapons.....	11
Carrying baskets on sidewalks.....	1
Crimes against nature.....	1
Concealing death of child.....	1
Drunkenness	681
Drunk and disorderly.....	97
Disturbing public meeting.....	2
Deserters	3
Counterfeit money in possession.....	1
Disorderly conduct	73
Disturbing fire alarm wires.....	1
Dumping garbage, violating ordinance.....	2
Discharging firearms within city limits.....	1
Distributing bills without license.....	1
Embezzlement	7
Enticing young girls for purpose of prostitution.....	2
Escaped lunatics	2
Exploding fireworks	1
Escaped from mute school.....	1

Escaped from reform school.....	1
Extortion	1
Expressing, no license... ..	2
Fugitives from justice.....	11
False pretences, obtaining money by.....	9
Fast driving	3
Fighting	76
Forgery	10
False alarm fires.....	1
Fast riding on bicycles.....	2
Feeding horses on streets.....	1
Frequenting gambling houses.....	17
Grand larceny	5
Gambling	155
Horse stealing	1
Houses of ill fame.....	8
Held as witnesses.....	94
Held for safe keeping.....	13
Highway robbery	5
Having cocaine in possession.....	1
Impersonating officer	3
Injury to personal property.....	1
Insane	43
Injury to buildings.....	16
Indecent exposure	5
Illegal voting	3
Larceny in warehouse.....	3
Larceny in store	10
Larceny	178
Larceny from dwellings	52
Larceny from person	20
Larceny by bailee	14
Lewd cohabitation	6
Murder	2
Manslaughter	9
Maintaining nuisance	2
Night walking	67
Opium in possession	4
Obstructing streets	4
Obstructing officer	2
Obscene language	7
Operating steam boiler, no license.....	1
Obstructing navigation	1
Passing counterfeit money	3
Peddling without license	56

Permitting vicious dogs at large	2
Profane language	3
Pointing revolver	1
Refusing to move on.....	5
Resisting officer	7
Rape	2
Returned to serve sentence.....	3
Receiving and concealing stolen goods.....	2
Runaway boys and girls	20
Running junk wagon, no license	1
Refusing to repair sidewalk	1
Running a lottery	2
Riding bicycles on sidewalks.....	6
Selling lottery tickets	2
Smuggling	4
Selling liquors to minors.....	3
Selling liquor without license.....	5
Saloon open after hours	2
Soliciting prostitution	28
Suspicious persons	29
Stubborn children	2
Throwing offal into the street.....	1
Throwing dead animals on other people's premises.....	1
Threatening to comit a crime.....	10
Trespass	97
Threatening to kill	12
Using morphine	9
Violating hack ordinance	4
Violating scavenger ordinance	24
Violating ordinance No. 8561.....	2
Violating swill ordinance	3
Violating swimming ordinance	4
Violating ordinance No. 9186, section 2.....	1
Vagrancy	113

MISCELLANEOUS ITEMS FROM THE RECORDS OF THE
DEPARTMENT.

Accidents attended to	34
Breaking and entering prevented	4
Boys committed to reform school.....	3
Children given into charge of Boy's and Girl's Aid Society.....	72
Cows and horses driven to pound.....	22
Disturbances suppressed	22

Fire alarms given	136
Fires extinguished without alarms.....	32
Injured persons assisted	60
Intoxicated persons helped home.....	113
Insane persons taken in charge.....	16
Lost children restored to parents.....	216
Nuisance notices served	44
Persons placed in hospitals.....	47
Rescued from drowning.....	6
Runaway children apprehended	10
Runaway horses stopped	2
Runaway horses reported	1
Sick and injured cared for.....	32
Suspicious persons photograhped and ordered out of town.....	7
Shops found open and secured.....	127
Stray teams put up.....	9
Sick persons cared for.....	21
Suicides prevented	3
Water running to waste stopped.....	14
Fugitives from justice apprehended.....	4
City cases registered on docket.....	1759
State cases registered on docket.....	1173
Witnesses held	53
Witnesses summoned	768
Transient prisoners held	17
Patrol wagon calls answered.....	1166
Persons Taken to Magdelene Home.....	4
Persons taken to Poor Farm.....	3
Burglaries reported	114
Dangerous bridges reported	24
Dead bodies of animals reported.....	47
Disturbances reported	3
Defective sewers reported	69
Drains, vaults and nuisances reported.....	67
Deaths on streets reported.....	1
Defective lamps reported	6485
Incandescent lights	3186
Arc lights	3299
Larcenies reported	519
Lights out in shops usually lighted.....	4
Runaway horses reported	1
Robberies reported	14
Sidewalks needing repairs reported.....	765
Street obstructions reported	176
Suicides reported	5

TOTAL NUMBER OF ARRESTS FOR ALL OFFENSES
DURING THIS PERIOD.

For year 1894	3844
For year 1895	3721
For year 1896	2972
Number of males arrested.....	2551
Number of females arrested.....	242
Number of foreigners arrested.....	1243
Number of minors arrested.....	179

WARRANTS ISSUED BY POLICE DEPARTMENT.

For 1895	442
For 1896	366

PERSONS GIVEN LODGING IN CITY JAIL.

Males	288
Females	9

ARRESTS FOR THE YEAR 1896, GROUPED BY MONTHS.

January	326
February	240
March	214
April	152
May	156
June	189
July	293
August	267
September	274
October	304
November	220
December	264
Total	2972

Prisoners bound over by the Municipal Court to the Grand Jury, indicted and convicted in the State Circuit Court and sentenced.

Date	No.	Crime	Sentence
1896			
Jan. 6,—1		Assault, intent to kill,	25 days in county jail
Jan. 7,—1		Burglary,	3 years in penitentiary
Jan. 8,—1		Larceny in dwelling,	1 year in penitentiary
Jan. 15,—1		Larceny in dwelling,	10 years in penitentiary
Jan. 15,—1		Burglary,	90 days in county jail
Jan. 18,—1		Larceny,	10 years in penitentiary
Jan. 22,—1		Larceny, embezzlement,	37½ days in county jail
Jan. 31,—1		Larceny,	4 months in county jail
Feb. 4,—1		Asault with dangerous weapon,	90 days in county jail
Feb. 13,—1		Burglary,	5 years in penitentiary
Feb. 14,—1		Larceny by bailee,	1 year in penitentiary
Feb. 17,—1		Highway robbery,	250 days in county jail
Feb. 17,—1		Forgery,	\$50 fine
Feb. 19,—1		Obtaining money under false pretence,	3 years in penitentiary
Feb. 19,—1		Forgery,	6 years in penitentiary
Feb. 19,—1		Larceny,	Sent to Reform School
Feb. 24,—1		Larceny,	100 days in county jail
March 7,—1		Embezzlement,	2 years in penitentiary
March 7,—1		Larceny,	50 days in county jail
March 10,—1		Burglary,	5 years in penitentiary
March 12,—1		Forgery,	1 year in penitentiary
March 13,—1		Murder,	Life in penitentiary
March 16,—1		Larceny in office,	10 years in penitentiary
March 17,—1,		Larceny in dwelling,	2 years in penitentiary
March 27,—1,		Larceny in store,	25 days in county jail
April 9,—1,		Forgery,	2 years in penitentiary
April 9,—1,		Gambling,	\$150 fine
April 9,—1,		Gambling,	\$150 fine
April 13,—1		Gambling,	\$150 fine
April 14,—1		Gambling,	\$75 fine
April 18,—1		Larceny in store,	5 years in penitentiary
April 21,—1		Larceny,	1 year in penitentiary
April 21,—1		Gambling,	\$150 fine
April 22,—1		Forgery,	2 years in penitentiary
April 25,—1		Larceny,	1 year in county jail
April 28,—1		Larceny,	2 years in penitentiary
April 30,—1		Larceny from person,	5 years in penitentiary
April 30,—1		Larceny from person	4 years in penitentiary
April 30,—1		Larceny from dwelling	18 months in penitentiary

Date	No.	Crime	Sentence
1896.			
April 30,	—1	Larceny in dwelling,	4 years in penitentiary
May 6,	—1	Forgery,	5 years in penitentiary
May 9,	—1	Larceny by bailee,	6 months in county jail
May 18,	—1	Larceny from dwelling,	2½ years in penitentiary
May 19,	—1	Larceny from dwelling,	2½ years in penitentiary
May 26,	—1	Larceny from person,	\$50 fine
May 29,	—1	Larceny,	1 year in penitentiary
June 6,	—1	Larceny,	2 years in penitentiary
June 6,	—1	Larceny,	1 year in penitentiary
June 13,	—1	Larceny,	18 months in penitentiary
June 27,	—1	Manslaughter,	15 years in penitentiary
June 29,	—1	Larceny in dwelling,	3 years in penitentiary
June 30,	—1	Larceny,	50 days in county jail
July 1,	—1	Gambling,	\$50 fine
July 3,	—1	Gambling,	\$50 fine
July 6,	—1	Gambling,	\$100 fine
Sept. 18,	—1	Forgery,	5 years in penitentiary
Sept. 22,	—1	Larceny,	1 year in penitentiary
Sept. 23,	—1	Larceny,	1 year in penitentiary
Sept. 24,	—1	Assault and battery,	\$75 fine
Oct. 2,	—1	Assault and battery,	90 days in county jail
Oct. 3,	—1	Rape,	10 years in penitentiary
Oct. 5,	—1	Larceny from person,	2½ years in penitentiary
Oct. 15,	—1	Horse stealing,	90 days in county jail
Oct. 17,	—1	Larceny,	25 days in county jail
Oct. 17,	—1	Larceny,	25 days in county jail
Oct. 19,	—1	Larceny,	18 months in penitentiary
Oct. 20,	—1	Larceny,	\$50 fine
Oct. 22,	—1	Assault and battery,	5 days in county jail
Oct. 23,	—1	Larceny,	Sent to Magdalene Home
Oct. 23,	—1	Larceny in warehouse,	1 year in penitentiary,
Oct. 23,	—1	Burglary,	2 years in penitentiary
Oct. 26,	—1	Burglary,	2 years in penitentiary
Oct. 26,	—1	Burglary,	2 years in penitentiary
Oct. 26,	—1	Assault with intent to kill,	18 months in penitentiary
Oct. 30,	—1	Burglary,	4 years in penitentiary
Nov. 2,	—1	Assault and battery,	30 days in county jail
Nov. 2,	—1	Assault and battery,	30 days in county jail
Nov. 4,	—1	Larceny in an office,	1 year in penitentiary
Nov. 4,	—1	Larceny in an office,	1 year in penitentiary
Nov. 4,	—1	Burglary,	3 years in penitentiary

Date	No.	Crime	Sentence
1896.			
Nov. 4,	—1	Burglary,	3 years in penitentiary
Nov. 9,	—1	Burglary,	2 years in penitentiary
Nov. 11,	—1	Gambling,	\$100 fine
Nov. 12,	—1	Horse stealing,	3 years in penitentiary,
Nov. 13,	—1	Larceny,	18 months in penitentiary
Nov. 16,	—1	Assault with intent to kill,	\$50 fine
Nov. 16,	—1	Robbery,	60 days in county jail
Nov. 23,	—1	Larceny,	\$25 fine
Nov. 23,	—1	Gambling,	\$25 fine
Nov. 23,	—1	Gambling,	\$25 fine
Nov. 23,	—1	Gambling,	\$25 fine
Nov. 23,	—1	Gambling,	\$25 fine
Nov. 23,	—1	Gambling,	\$25 fine
Nov. 23,	—1	Gambling,	\$25 fine
Nov. 23,	—1	Gambling,	\$25 fine
Nov. 23,	—1	Gambling,	\$25 fine
Nov. 25,	—1	Larceny,	18 months in penitentiary,
Nov. 25,	—1	Larceny,	1 year in penitentiary
Nov. 27,	—1	Larceny in warehouse,	\$100 fine
Nov. 28,	—1	Robbery,	18 months in penitentiary
Nov. 30,	—1	Larceny,	2 years in penitentiary
Nov. 30,	—1	Gambling,	\$50 fine
Nov. 30,	—1	Gambling,	\$50 fine
Dec. 1,	—1	Larceny,	1 year in penitentiary
Dec. 1,	—1	Uttering counterfeit money,	18 months in penitentiary
Dec. 1,	—1	Uttering counterfeit money,	2 years in penitentiary
Dec. 3,	—1	Robbery,	5 years in penitentiary
Dec. 3,	—1	Robbery,	5 years in penitentiary
Dec. 7,	—1	Assault and battery,	50 days in county jail
Dec. 8,	—1	Larceny from person,	7 years in penitentiary
Dec. 10,	—1	Larceny from person,	2 years in penitentiary
Dec. 10,	—1	Larceny from person,	2 years in penitentiary
Dec. 21,	—1	Larceny,	18 months in penitentiary
Dec. 21,	—1	Larceny,	18 months in penitentiary
Dec. 24,	—1	Larceny from person,	7 years in penitentiary
Dec. 30,	—1	Assault with danger- ous weapon,	50 days in county jail

DELINQUENT TAX AND ASSESSMENT DEPARTMENT

Portland, Oregon, December 31, 1896.

To L. W. Robertson, Chief of Police:

I have the honor to submit to you the following statement as the annual report of delinquent taxes and assessments collected through this department in the year 1896:

Delinquent city taxes, year 1893.....	\$ 197.56
Special tax, bonding act.....	89.38
Costs on same.....	14.24
Interest on same.....	53.69
Delinquent sewer assessments.....	8,605.52
Costs on same.....	1,026.54
Interest on same.....	973.41
Delinquent street assessment.....	10,510.11
Costs on same.....	376.86
Interest on same.....	1,019.61
Delinquent street extension assessment.....	123.63
Costs on same.....	28.90
Total amount collected during the year and turned over to the City Treasurer; receipts for the same are on file.....	\$23,019.45

Respectfully,

ERNST KRONER,
Clerk.

HEALTH DEPARTMENT

Portland, Oregon, January 1, 1897.

L. W. Robertson, Chief of Police, Portland, Oregon:

Sir—I submit to you herewith as my annual report the following statements taken from the records of this department:

BIRTHS.

Total number in 1896.....1160

Classified as follows:

Twin births	10
Stillborn and premature	46
Males	607
Females	553
White	1150
African	3
Mongolian	7
Decrease below last year.....	173

DEATHS.

Total number 884

Classified as follows:

Males	516
Females	368
White	816
African	5
Mongolian	63

CONTAGIOUS DISEASES.

Total number 525

Classified as follows:

Diphtheria	219
Typhoid fever	59
Scarlet fever	157
Measles	84
Chicken pox	6

REGISTERED CAUSES OF DEATHS.

DISEASES OF THE DIGESTIVE SYSTEM, INTESTINES AND PERITONEUM.

Peritonitis	13
Entero collitis	49
Obstruction of intestines	9
Dysentary	2

Appendicitis	9
Pelvic cellulitis	1
Gastritis	1

DISEASES OF THE NERVOUS SYSTEM.

Infantile convulsions	11
Apoplexy	27
Meningitis	26

DISEASES OF THE RESPIRATORY SYSTEM.

Pneumonia	42
Haemoptisis	2
Oedema of lungs	2
Phthisis	112
Bronchitis	6
Emphysema	1
Pleurisy	1

DISEASES OF THE CIRCULATORY SYSTEM.

Cancer	61
Epitheloma	1
Valvular disease of heart.....	65
Anguin Pectoras	2
Cyanosis	2
Endocarditis	2
Sanile Gangrene	1
Aneuna	1
Embolism	1

DISEASE OF THE KIDNEYS.

Bright's disease	27
Euraemia	5
Diabetis	5

GENERAL AND CONSTITUTIONAL DISEASE.

Rheumatism	4
Septicemia	13

Malarial fever	1
Potts disease	2

SPECIFIC INFECTIOUS DISEASES.

Diphtheria	35
Typhoid fever	25
Scarlet fever	2
Whooping cough	3
Influenza	2
Erysephelas	1

UNCLASSIFIED DISEASES.

Alcoholism	7
Accidental	33
Homicide	4
Suicide	16
Old age	32
Premature and stillborn	46
Malnutrition	16
Tumor	3
Morphine habit	2
Shock	9
Enlargement of liver	1
Obstruction of gall bladder.....	1
Pyosalpingistis	1

DEATHS BY MONTHS.

January	70
February	85
March	84
April	80
May	82
June	70
July	76
August	92
September	74
October	83
November	72
December	70

AGES.

Stillborn and premature	46
1 to 30 days.....	49
1 to 6 months	49
6 months to 1 year.....	28
1 to 3 years	45
3 to 5 years	24
5 to 10 years	32
10 to 20 years	39
20 to 30 years	87
30 to 40 years	118
40 to 50 years	110
50 to 60 years	76
60 to 70 years	80
70 to 80 years	62
80 to 90 years	17

PLACES OF INTERMENT.

Lone Fir Cemetery	395
Mt. Calvary Cemetery	83
St. Mary's Cemetery	8
Poor Farm	39
Brought here for interment	66
Riverview Cemetery	114
Greenwood Cemetery	82
Beth Israel Cemetery	17
Other Places	33
Shipped for interment	159

DEATHS IN HOSPITALS, ETC.

St. Vincent's Hospital	73
Portland Hospital	20
Joss House	16
Good Samaritan Hospital	73
Baby's Home	7
Other places	10

SANITARY INSPECTION.

Premises inspected	1892
Notices served on general public.....	1599
Notices served on inspector of drainage and plumbing.....	199
Notices served on other city officials.....	40
Notices posted on vacant premises.....	127
Abatements made by general public.....	1613
Abatements made by inspector of plumbing and drainage.....	180
Abatements made by other city officials.....	38

Respectfully submitted,

DAVID J. BEAKEY,
Health Officer.

HUMANE DEPARTMENT

Portland, Oregon, January 1, 1897.

To L. W. Robertson, Chief of Police, Portland, Oregon:

Sir—I beg to present herewith my report as Humane Officer of the city of Portland from September 10, 1896, to date, no data being at hand of the doings of my predecessor:

CRUELTY TO CHILDREN.

Number of cases investigated.....	8
Nowatney—Arrested, dismissed.	
Starnell—Child beaten by mother, warned.	
Irwin—Arrested, sent to jail, put children in Orphan's Home.	
Favart—Minor employed in dance hall business, removed.	
Gloubitz—Case handed over to Rev. Father Fisher, German Lutheran church.	
Coyne—Two children removed from scow; placed in Orphans' Home.	
Schramm—Child frightfully burned, neglected, put in hospital and cured.	
Corder—Case of locomotorataxia, reported particulars to the proper society.	

CRUELTY TO ANIMALS.

Number of cases investigated.....	50
Number of arrests.....	3
Number of convictions.....	1

The following cases were discovered and suitable action taken therein:

Number of old and diseased horses killed.....	15
Animals abandoned to starve.....	4
Horses exposed to storm removed.....	2
Animals overloaded.....	10
Horses worked with galled back.....	2
Cattle injured and abandoned.....	10
Horses removed from work.....	2

HUMAN SUFFERING REPORTED TO CITY BOARD OF CHARITY.

No. 386 East Ninth street, family destitute.
 No. 349 Second street, family destitute.
 No. 655 East Twentieth street, family destitute.
 Union depot, family destitute.
 Visits to commission houses, daily.
 Visits to transportation yards and docks, daily.
 Inspection of markets, poultry, etc., daily.
 Trips to stock yards, alternate daily.
 Cruelty to poultry, fined, one.
 Cruelty to horses, two.

HUMANE WORK.

It is nearly twenty years since the necessity of having a properly appointed officer detailed by the Police Department to look after the abuse of animals was first brought to the attention of the city authorities. Through the instrumentality of the Humane Society this kind of work has been largely carried on and maintained and much good has been accomplished. To successfully carry on this work of reform, it has been the habit of the humane officer to avoid arrests and trials in court in all cases that were not flagrant or malicious and to seek his end by counsel and advice and in many cases that has proven sufficient. Your officer is not unmindful of the abuse and neglect of children among us. Through the channel of his office much needed in-

formation is secured whereby conviction is brought about and the little charges placed beyond the harm of the intemperance of vicious parents. Too much praise cannot be bestowed in this connection upon the Orphan's Home, the Boy's and Girl's Aid Society, the Baby Home and the Open Door Mission. The City of Portland would indeed be in dire straits with respect to relief of abused and neglected children were it not for such institutions as these. In the carrying on of all this kind of work, the Police Department is more or less brought in association and wherever possible, the Humane Officer has given his assistance.

Respectfully submitted,

GEO. L. CURRY,
 Humane Officer.

LICENSE DEPARTMENT

Portland, Oregon, January 1, 1897.

To L. W. Robertson, Chief of Police of the City of Portland, Oregon:

Gentlemen—I herewith hand you my annual report ending December 31, 1896, in detail, showing amount of work performed by the License Department of the city during the past year.

LICENSES, 1896.

QUARTER ENDING MARCH 31.

Business.	No.	Amount.
Auctioneers	6	\$ 200.00
Bill posters	3	75.00
Bowling alleys	1	5.00
Billiards	7	60.00
Coupes .....	..	.....
Coal Oil	3	26.00
Drays	32	95.00
Express (double)	69	340.05
Express (single)	124	364.00
Express Companies	3	75.00
Employment Agents,	3	35.00
Grading Teams	19	63.00

Business.	No.	Amount.
Hacks	32	158.35
Hack Drivers	38	38.00
Hawkers (first class)	45	585.00
Hawkers (second class)	22	186.65
House Movers	1	26.65
Insurance Agents	66	643.25
Laundries (steam)	6	90.00
Laundries (hand)	57	427.00
Miscellaneous	1	15.00
Oil Wagons	10	100.00
Omnibuses	2	10.00
Peddlers (fourth class)	20	110.00
Powder Dealers	12	60.00
Pawn Brokers	9	675.00
Plumbers	40	480.00
Runners	15	143.35
Scavengers	70	205.00
Second hand and junk dealers.....	76	361.65
Shooting galleries	3	41.70
Street car lines	6	546.25
Trucks	46	225.00
Theaters	6	237.50
Wharfingers	14	351.65
Wood saws (steam)	19	265.00
Liquors—		
Saloons .....	..	24,766.65
Wholesale	13	650.00
Restaurants	12	291.65
Groceries	12	300.00
Malt	2	100.00
Total		\$33,429.40

QUARTER ENDING JUNE 30, 1896.

Business.	No.	Amount.
Auctioneers	6	\$ 156.70
Bill posters	2	50.00
Bowling alleys	1	5.00
Billiards	8	60.05
Coupes	1	2.00
Coal Oil	4	29.00

Business.	No.	Amount.
Drays	30	89.00
Express (double)	68	335.00
Express, (single)	120	350.00
Express companies	3	75.00
Employment agents	2	25.00
Grading teams	14	48.85
Hacks	30	148.65
Hack drivers	1	1.00
Hawkers, first-class	40	570.00
Hawkers, second-class	27	246.60
House movers .....	..	..
Insurance agents	68	660.00
Laundries (steam)	6	90.00
Laundries (hand)	55	410.00
Miscellaneous	13	368.65
Oil wagons	8	80.00
Omnibuses	2	10.00
Peddlers (fourth class)	19	75.00
Powder dealers	11	55.00
Pawn brokers .....	..	..
Plumbers	2	24.00
Runners	17	153.35
Scavengers	72	211.00
Second hand and junk dealers.....	67	321.60
Shooting galleries	2	50.00
Street car lines.....	6	558.75
Trucks	42	203.35
Theaters	5	166.65
Wharfingers	13	347.00
Wood saws (steam)	21	280.00
Liquors—		
Saloons .....	..	25,199.90
Wholesale	11	550.00
Restaurants	9	300.00
Groceries	11	275.00
Malt	4	200.00
Total		\$32,791.10

QUARTER ENDING SEPTEMBER 30, 1896.

Business.	No.	Amount.
Auctioneers	7	\$ 200.00
Bill posters	2	50.00
Bowling alleys	3	15.00
Billiards	7	55.00
Coupes .....	..	..
Coal oil	4	29.00
Drays	39	107.00
Express (double)	70	334.95
Express (single)	132	374.00
Express companies	3	75.00
Employment agents	2	25.00
Grading teams	17	65.05
Hacks	29	146.70
Hack drivers	7	7.00
Hawkers, (first class)	45	605.00
Hawkers, (second class)	26	253.00
House movers .....	..	..
Insurance agents	80	783.25
Laundries (steam)	6	90.00
Laundries (hand)	55	412.50
Miscellaneous	5	523.50
Oil wagons	7	70.00
Omnibuses	2	10.00
Peddlers, (fourth class)	17	77.50
Powder dealers	10	50.00
Pawn brokers	8	600.00
Plumbers	1	12.00
Runners	13	120.00
Scavengers	64	185.00
Second hand and junk dealers	72	340.05
Shooting galleries	1	25.00
Street car lines	6	571.25
Trucks	41	198.30
Theaters	4	150.00
Wharfingers	13	355.00
Wood saws (steam)	23	410.00
Liquors—		
Saloons		23,666.55
Wholesale	10	500.00
Restaurants	9	225.00

Business.	No.	Amount.
Groceries	12	300.00
Malt	5	250.00
Total		\$32,267.00

QUARTER ENDING DECEMBER 31, 1896.

Business.	No.	Amount.
Auctioneers	9	\$ 320.00
Bill posters	2	50.00
Bowling alleys	2	10.00
Billiards	2	45.00
Coupes .....	..	..
Coal Oil	7	41.65
Drays	30	90.00
Express (double)	67	331.65
Express (single)	139	396.00
Express companies	3	75.00
Employment agents	3	45.00
Grading teams	9	45.00
Hacks	27	135.00
Hack drivers	2	2.00
Hawkers (first class)	50	685.00
Hawkers (second class)	20	179.35
House movers	1	13.35
Insurance agents	89	850.00
Laundries (steam)	6	90.00
Laundries (hand)	54	402.50
Miscellaneous	2	36.70
Oil wagons	9	83.35
Omnibuses	2	10.00
Peddlers (fourth class)	12	77.50
Powder dealers	10	50.00
Pawn brokers .....	..	..
Plumbers .....	..	..
Runners	13	120.00
Scavengers	61	178.00
Second hand and junk dealers	70	338.70
Shooting galleries	1	25.00
Street car lines	6	558.75
Trucks	40	196.65
Theaters	5	183.35
Wharfingers	13	338.35
Wood saws (steam)	33	318.35

Liquors—	No.	Amount.
Saloons		23,400.05
Wholesale	11	550.00
Restaurants	11	258.30
Groceries	10	250.00
Malt	6	216.65
Total		\$30,996.20

TOTALS FOR THE YEAR 1896.

Business.	No.	Amount.
Auctioneers	28	\$ 876.75
Bill posters	9	225.00
Bowling alleys	7	35.00
Billiards	27	220.05
Coupes	1	2.00
Coal Oil	18	125.65
Drays	121	381.00
Express (double)	270	1,341.65
Express (single)	515	1,484.00
Express companies	12	300.00
Employment agents	10	130.00
Grading teams	59	222.50
Hacks	118	588.70
Hack drivers	48	48.00
Hawkers (first class)	180	2,445.00
Hawkers (second class)	95	365.95
House movers	2	40.00
Insurance agents	303	2,936.50
Laundires (steam)	24	360.00
Laundries (hand)	221	1,652.50
Miscellaneous	21	943.85
Oil wagons	34	333.35
Omnibuses	8	40.00
Peddlers (fourth class)	78	340.00
Powder dealers	43	215.00
Pawn brokers	17	1,275.00
Plumbers	43	516.00
Runners	58	536.70
Scavengers	267	779.00
Second hand and junk dealers	285	1,372.00
Shooting galleries	7	141.70
Street car lines	24	2,235.00

Business.	No.	Amount.
Trucks	169	823.30
Theaters	20	737.50
Wharfingers	53	1,392.00
Wood saws (steam)	96	1,273.35

Liquors—	No.	Amount.
Saloons		97,033.15
Wholesale	45	2,250.00
Restaurants	41	1,074.95
Groceries	45	1,125.00
Malt	17	766.65
Grand total		\$129,483.70

COMPARATIVE STATEMENT.

Amount of licenses received 1891.....	\$176,406.44
Amount of licenses received 1892.....	191,099.77
Amount of licenses received 1893.....	171,383.40
Amount of licenses received 1894.....	149,293.75
Amount of licenses received 1895.....	142,352.10
Amount of licenses received 1896.....	129,483.70

ANNUAL REPORT OF LICENSE OFFICER FOR YEAR ENDING DECEMBER 31, 1896.

Business	1st Quarter		2d Quarter		3d Quarter		4th Quarter		Totals	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Auctioneers	6	\$ 200.00	6	\$ 156.70	7	\$ 200.05	9	\$ 320.00	28	\$ 876.75
Bill Posters	3	75.00	2	50.00	2	50.00	2	50.00	9	225.00
Bowling alleys	1	5.00	1	5.00	3	15.00	2	10.00	7	35.00
Billiards	7	60.00	8	60.05	7	55.00	5	45.00	27	220.05
Coupes .....	.....	.....	1	2.00	.....	.....	.....	.....	1	2.00
Coal Oil	3	26.00	4	29.00	4	29.00	7	41.65	18	125.65
Drays	32	95.00	30	89.00	39	107.00	30	90.00	121	381.00
Express (double)	69	340.05	68	335.00	70	334.95	67	331.65	270	1,341.65
Express (single)	124	364.00	120	350.00	132	374.00	139	396.00	515	1,484.00
Express Companies	3	75.00	3	75.00	3	75.00	3	75.00	12	300.00
Employment Agents	3	35.00	2	25.00	2	25.00	3	45.00	10	130.00
Grading Teams	19	63.60	14	48.85	17	65.05	9	45.00	59	222.50
Hacks	32	158.35	30	148.65	29	146.70	27	135.00	118	588.70
Hack Drivers	38	38.00	1	1.00	7	7.00	2	2.00	48	48.00
Hawkers (first class)	45	585.00	40	570.00	45	605.00	50	685.00	180	2,445.00
Hawkers (second class)	22	186.65	27	246.60	26	253.35	20	179.35	95	365.95
House Movers	1	26.65	.....	.....	.....	.....	1	13.35	2	40.00
Insurance Agents	66	643.25	68	660.00	80	783.25	89	850.00	303	2,936.50
Laundries (steam)	6	90.00	6	90.00	6	90.00	6	90.00	24	360.00
Laundries (hand)	57	427.00	55	410.00	55	412.50	54	402.50	221	1,652.50
Miscellaneous	1	15.00	13	368.65	5	523.50	2	36.70	21	943.85

ANNUAL REPORT OF LICENSE OFFICER FOR YEAR ENDING DECEMBER 31, 1896—(Continued).

Business	1st Quarter		2d Quarter		3d Quarter		4th Quarter		Totals	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Oil Wagons	10	100.00	8	80.00	7	70.00	9	83.35	34	333.35
Omnibuses	2	10.00	2	10.00	2	10.00	2	10.00	8	40.00
Peddlers (fourth class)	20	110.00	19	75.00	17	77.50	12	77.50	78	340.00
Powder Dealers	12	60.00	11	55.00	10	50.00	10	50.00	43	215.00
Pawn Brokers	9	675.00	.....	.....	8	600.00	.....	.....	17	1,275.00
Plumbers	40	480.00	2	24.00	1	12.00	.....	.....	43	516.00
Runners	15	143.35	17	153.35	13	120.00	13	120.00	58	536.70
Scavengers	70	205.00	72	211.00	64	185.00	61	178.00	267	779.00
Second Hand and Junk Dealers.....	76	361.65	67	321.60	72	340.05	70	338.70	285	1,372.00
Shooting Galleries	3	41.70	2	50.00	1	25.00	1	25.00	7	141.70
Street Car Lines	6	546.25	6	558.75	6	571.25	6	558.75	24	2,235.00
Trucks	46	225.00	42	203.35	41	198.30	40	196.65	169	823.30
Theaters	6	237.50	5	166.65	4	150.00	5	183.35	20	737.50
Wharfingers	14	351.65	13	347.00	13	355.00	13	338.35	53	1,392.00
Wood Saws (steam)	19	265.00	21	280.00	23	410.00	33	318.35	96	1,273.35
Liquors in saloons .....	.....	24,766.65	.....	25,199.90	.....	23,666.55	.....	23,400.05	.....	96,399.80
										633.35
Wholesale liquors	13	650.00	11	550.00	10	500.00	11	550.00	45	2,250.00
Liquors in restaurants	12	291.65	9	300.00	9	225.00	11	258.30	41	1,074.95
Liquors in groceries	12	300.00	11	275.00	12	300.00	10	250.00	45	1,125.00
Malt liquors	2	100.00	4	200.00	5	250.00	6	216.65	17	766.65
Totals		\$33,429.40		\$32,791.10		\$32,267.00		\$30,996.20		\$129,483.70

Respectfully submitted,

T. M. RIGGEN, License Officer.

INVENTORY OF REAL AND PERSONAL PROPERTY IN
CHARGE OF POLICE DEPARTMENT.

Real estate, estimated value.....	\$28,000.00
Police telegraph system	5,000.00
1 Patrol wagon	600.00
3 Patrol horses	225.00
1 Set Patrol harness	40.00
1 Set harness hangers	10.00
1 Patrol alarm indicator	200.00
Utensils in barn	50.00
Feed and hay	30.00

MAIN OFFICE.

1 Large safe	\$ 175.00
1 Clerk's desk	50.00
1 Captain's desk	25.00
1 Instrument desk	20.00
Police arrest records	20.00
Bail record	10.00
Warrant record	20.00
Record for defective lights	10.00
Record for lost and stolen property.....	10.00
Cash record	15.00
Captain's time record	10.00
1 Typewriter	65.00
1 Back chair	7.00
3 Desk chairs	7.50
Miscellaneous records	10.00
3 Chairs	6.00
1 Stove and pipe	10.00
Clocks and mirrors	6.00
Cuspidors	2.00
2 Waste baskets	2.00
Department records of various descriptions.	

CHIEF'S OFFICE.

1 Desk	\$ 25.00
1 Office chair	7.00
3 Chairs	6.00
2 Letter files	
Miscellaneous articles.	

SECOND FLOOR.

1 Cot, iron	
1 Mattress and pillow	
1 Blanket	
1 Stove	\$ 5.00
2 File case cabinets	15.00
1 Hat rack	3.50
1 Desk	20.00
4 Writing tables	20.00
2 Round tables	3.00
40 Chairs	40.00

COMMISSIONER'S OFFICE.

SECOND FLOOR.

1 Safe containing tax sale records.....	\$ 150.00
1 Clothes rack	2.50
1 Desk, Humane officer	7.50
1 Desk, Clerk to Chief of Police, writing utensils.....	30.00
1 Stand up desk	5.00
1 Writing table	15.00
1 Ohmes' file case	10.00
1 Safe and Health office records.....	125.00
1 Police Commissioner's record	10.00
1 Desk, roll top, secretary of commission.....	25.00
2 Sets of City Charter and Ordinances.....	5.00
1 City map, Lewis & Dryden.....	25.00
1 Copy City Directory	5.00
6 Cases of birth and death records.....	6.00
149 Blue prints of City Tax Col. Department.....	150.00
1 Heating stove and pipe.....	10.00
3 Electric light fixtures.....	
4 Gas light fixtures.....	2.50
Blanks for Health Department	45.00
Blanks for Tax Collecting Department	20.00
Blanks for Police Commission	10.00

THIRD FLOOR.

2 Carpets	\$ 10.00
4 Stoves	20.00
3 Tables	3.00

1 Desk	5.00
1 Sofa	1.00
7 Cots, iron	21.00
9 Mattresses	9.00
8 Pair blankets	32.00
7 Pillows	3.50
8 Chairs	4.00
1 Water cooler	1.00
1 Safe	10.00
Paper rolls for telegraph apparatus	90.00

Respectfully submitted,

L. W. ROBERTSON,
Chief of Police.

Board of Fire Commissioners' Report

Office of the Board of Fire Commissioners, P. P. F. D.

Portland, Oregon, January 1, 1897.

To the Honorable the Mayor, and Common Council of the City of Portland:

Gentlemen—In compliance with Section 179, of "An Act to incorporate the City of Portland," the Board of Fire Commissioners have the honor to submit to your honorable body, a report in detail, of the revenues and expenditures of the Fire Department for the year 1896, and also an estimate of the amount of salaries and other necessary expenses of the Department for the ensuing year, together with such information and recommendations necessary for the efficiency of the Department.

ESTIMATE OF EXPENSES FOR 1896.

Hose	\$ 3,500.00
Hydrants	500.00
Horses	1,000.00
Horse shoeing	1,200.00
Veterinary surgeon	300.00
Horse feed	4,000.00
Lighting	1,400.00
Telephones	1,000.00
Fuel	1,600.00
Small stores	500.00
Water supply	6,036.00
Incidental expenses	200.00
Rents	1,750.00
Office expenses and printing.....	250.00
Fire alarm telegraph	1,000.00
Salaries	75,000.00
Repairs to apparatus.....	1,200.00
Repairs to houses	500.00
Repairs to cisterns	100.00
Repairs to harness	200.00
Insurance	100.00

Total amount of estimate for 1896..... \$101,336.00

REVENUES FOR 1896.

Balance in fund January 1, 1896.....	\$	.51
From tax roll for 1896.....	75,522.12	
From delinquent taxes.....	1,623.39	
From sale of exempt certificates.....	17.50	
From sale of horse.....	10.00	
Total revenues for 1896.....	\$	77,173.52

EXPENDITURES FOR 1896.

Salaries	\$	70,171.19
Rents of engine houses	1,680.00	
Repairs to engine houses	703.21	
Cost of new apparatus	346.02	
Repairs to apparatus	996.17	
Cost of horses	1,031.78	
Horse shoeing	1,261.00	
Veterinary surgeon	276.59	
Harness and repairs	134.86	
Horse feed	3,691.99	
Fuel	1,748.77	
Lighting	1,371.61	
Stores	1,077.00	
Telephone	1,086.65	
Incidentals	109.60	
Hose	6,019.30	
Water	5,613.00	
Hydrants	558.93	
Cisterns	397.47	
Printing and office expense	390.88	
Fire alarm telegraph	1,908.39	
Total expenditures for 1896.....	\$	100,624.41

ESTIMATE OF EXPENSES FOR THE YEAR 1897.

Salaries	\$	65,000.00
Repairs to apparatus	1,000.00	
Repairs to engine houses	500.00	
Hose	3,000.00	
Hydrants	2,500.00	

Cisterns	400.00
Horses	1,000.00
Horse shoeing	1,200.00
Veterinary surgeon	300.00
Repairs to harness	200.00
Horse feed	3,500.00
Telephones	1,000.00
Lighting	1,650.00
Fuel	1,650.00
Stores	600.00
Water	3,000.00
Incidentals	250.00
Rents of engine houses	2,000.00
Printing and office expenses	250.00
Fire alarm telegraph	2,150.00

Total amount of estimate for 1897..... \$ 91,150.00

SUMMARY FOR THE YEAR 1896.

Total amount of receipts.....	\$	77,173.52
Total amount of expenditures	100,624.41	

FIRE DEPARTMENT FUND.

Deficit in fund January 1, 1897..... 32,237.84

Deficit in fund January 1, 1897..... \$ 7,583.68

The amount paid the Hydraulic company for water in 1896 was \$2,415.00. We propose to cut off this expense by putting in 52 hydrants and connecting them with the city mains at an estimated cost of \$2,340.00, a less sum than we pay that company for one year's supply of water. This is the only reduction, in our opinion, that can be made in the several items of expense incurred during 1896. In making the estimate for 1897 we have constantly in view the necessity of placing it at the lowest sum consistent with an efficient fire service.

Respectfully,

JOHN MONTAG, President,
J. H. ROBB,
ROBERT GLEN,
Fire Commissioners.

F. D. JODON,
Secretary.

EXPENDITURES ON ACCOUNT OF ALL COMPANIES

For the Year Ending December 31, 1896.

Companies.	Salaries	House and Lot	
		Costs and Rents	Repairs Fixtures and Furniture
Engine Company No. 1.....	\$ 4,288.15		\$ 21.28
Engine Company No. 3.....	4,092.40		63.16
Engine Company No. 4.....	4,088.35		9.41
Engine Company No. 5.....	4,090.07		23.30
Engine Company No. 6.....	2,881.10		156.46
Engine Company No. 7.....	4,108.02		27.47
Engine Company No. 8.....	4,276.00	120.00	65.64
Hook and Ladder Company No. 1.....	3,528.20		8.96
Hook and Ladder Company No. 2.....	3,528.15		33.39
Hook and Ladder Company No. 3.....	3,521.65		50.53
Hook and Ladder Company No. 4.....	3,528.20	120.00	20.05
Hose Company No. 1.....	2,882.27	1,200.00	33.96
Hose Company No. 2.....	2,882.32		12.55
Hose Company No. 3.....	2,875.99	337.77	38.66
Hose Company No. 5.....	1,177.20	240.00	16.60
Chemical Engine Company No. 1.....	2,443.20		2.09
Chemical Engine Company No. 2.....	2,443.20		15.45
Chemical Engine Company No. 3.....	2,443.20		55.65
Officers' teams and supply sheds.....	945.00		27.60
Auxiliary companies.....			22.10
Total	\$60,022.67	\$ 2,017.77	\$ 703.21

EXPENDITURES ON ACCOUNT OF ALL COMPANIES

For the Year Ending December 31, 1896.

Apparatus		Horses			Harness and Repairs	
Cost	Repairs	Cost	Shoeing	Vet. Surgeon		
.....	\$ 22.01	\$ 24.82	\$ 96.00	\$ 14.59	\$ 8.50	
.....	90.38	.....	58.00	14.52	3.60
.....	33.25	45.14	77.00	14.52	7.30	
.....	2.75	17.96	24.14	74.00	14.52	
.....	.....	5.00	325.52	43.50	14.52
.....	.....	67.10	2.75	90.50	14.52
.....	.....	101.78	25.52	85.25	14.52
.....	5.50	28.00	19.64	67.50	14.52	
.....	.....	21.35	17.64	66.25	14.52
.....	.....	53.78	11.76	50.50	14.52
.....	.....	9.25	123.64	66.00	14.52
.....	.....	103.50	331.79	58.25	14.52
.....	.....	42.15	12.76	51.00	14.52
.....	.....	22.35	2.50	43.50	14.52
.....	.....	19.25	.....	42.00	14.52
.....	.....	18.60	24.76	47.50	14.52
.....	.....	36.60	11.76	47.50	14.52
.....	.....	12.75	19.76	53.25	14.52
.....	.....	280.21	105.88	143.50	15.50
.....	.....	10.90	.....	.....	.....
Total	8.25	\$996.17	\$1,031.78	\$1,261.00	\$276.59	\$134.86

EXPENDITURES ON ACCOUNT OF ALL COMPANIES

For the Year Ending December 31, 1896.—(Continued).

Companies.	Horse Feed	Fuel	Light'g
Engine Company No. 1.....	\$ 273.48	\$ 202.03	\$ 258.81
Engine Company No. 3.....	230.76	171.75	71.70
Engine Company No. 4.....	182.17	201.02	80.49
Engine Company No. 5.....	245.50	183.87	60.65
Engine Company No. 6.....	151.73	66.71	52.20
Engine Company No. 7.....	270.22	173.26	36.25
Engine Company No. 8.....	298.78	137.46	60.00
Hook and Lader Company No. 1.....	239.72	65.37	82.20
Hook and Lader Company No. 2.....	199.08	48.00	101.50
Hook and Ladder Company No. 3.....	249.47	86.74	102.75
Hook and Ladder Company No. 4.....	218.76	53.86	46.10
Hose Company No. 1.....	126.82	57.51	71.55
Hose Company No. 2.....	202.52	53.54	66.75
Hose Company No. 3.....	149.17	49.00	40.00
Hose Company No. 5.....	129.54	36.00	41.60
Chemical Engine Company No. 1.....	69.99	60.34	84.20
Chemical Engine Company No. 2.....	62.22	46.55	50.11
Chemical Engine Company No. 3.....	207.66	48.45	64.50
Officers' teams and supply sheds.....	184.49	7.50	.25
Total	\$3,691.99	\$1,748.77	\$1,371.61

EXPENDITURES ON ACCOUNT OF ALL COMPANIES.

For the Year Ending December 31, 1896.—(Continued).

Stores	Telephone	Insurance	Incidentals	Total Exp'dit'res
\$ 11.00	\$ 41.25	.....	.....	\$ 5,259.89
12.34	58.00	.....	.....	4,866.61
5.55	37.00	.....	.....	4,781.20
18.65	62.00	.....	.....	4,829.76
10.10	62.00	.....	.....	3,769.33
16.40	62.00	.....	.....	4,879.19
13.50	62.00	.....	.....	5,261.90
21.44	34.00	.....	.....	4,417.75
12.84	34.00	.....	.....	4,085.82
14.23	62.00	.....	.....	4,226.73
18.25	62.00	.....	.....	4,281.24
11.25	62.00	.....	.....	4,948.42
14.15	34.00	.....	.....	3,387.61
12.20	62.00	.....	.....	3,645.16
9.45	62.00	.....	.....	1,773.51
55.89	62.00	.....	.....	2,884.29
54.83	34.00	.....	.....	2,820.49
21.09	62.00	.....	.....	3,006.98
733.84	81.00	.....	.....	2,618.02
.....	.....	.....	.....	33.00
\$1,077.00	\$1,035.25	.....	.....	\$75,476.92

GENERAL EXPENDITURES, 1896.

Officers' salaries	\$ 7,753.52	
Hose	6,019.30	
Water	5,613.00	
Hydrants	558.93	
Cisterns	397.47	
Office expense and printing.....	390.88	
Telephones	51.40	
		\$ 20,784.50

FIRE ALARM TELEGRAPH.

Salaries	\$ 2,395.00	
Material and repairs.....	1,858.39	
		\$ 4,253.39
Total general expenditures		\$ 25,037.89

SUMMARY OF EXPENDITURES.

Company expenditures	\$ 75,476.92	
General expenditures	25,147.49	
		\$100,624.41

LIST OF PROPERTY IN TRUST.

HOUSES AND LOTS—VALUES ESTIMATED.

Engine Co. No. 1 and Hook and Ladder Co. No. 1, lot and house and bell tower.....	\$ 50,000.00
Engine Co. 3, house and lot.....	20,000.00
Engine Co. No. 4, Hook and Ladder No. 2, house and lot	15,000.00
Engine Co. No. 5, house and lot.....	7,500.00
Engine Co. No. 6, house, corporation shed, house and lot	8,000.00
Engine Co. No. 7, house and lot.....	20,700.00
Engine Co. No. 8, house.....	2,000.00
Hook and Ladder Co. No. 3, house and lot.....	10,000.00

Hook and Ladder Co. No. 4, house.....	1,000.00	
Hose Co. No. 2 and Chemical Engine Co. No. 2, house and lot	30,000.00	
Hose Co. No. 3, house and lot and tower.....	3,500.00	
Chemical Engine Co. No. 1, house and lot.....	25,000.00	
Chemical Engine Co. No. 3, house and lot.....	3,000.00	
House and lot, Mississippi avenue.....	1,800.00	
Lot, Borthwick street	4,000.00	
House and lot, Vancouver avenue.....	2,750.00	
		\$204,250.00

APPARATUS.

Ten engines, seven hose wagons, three hose car- riages (4 wheels), one hose carriage, 4 wheels, (hand), four hose carts (2 wheels), seven hose reels, two wheels, two engines (unfit for use), one first-class hook and ladder, one second- class hook and ladder truck, three third-class hook and ladder trucks, three chemical en- gines, one village truck, (hand), five buggies..	\$ 76,519.00	
Harness, etc	4,602.50	
Property in corporation shed.....	500.00	
Property in Commissioner's office.....	300.00	
Property in engine house, stores, tools, etc.....	5,000.00	
Fifty-six horses	7,950.00	
Fire alarm apparatus	33,957.01	
		\$132,478.51
Total value of property in trust.....		\$336,728.51

INSURANCE ON BUILDINGS.

Engine and Truck House No. 1.

American Fire Insurance Co., of Philadelphia, expires March 30, 1898.....	\$ 1,142.86	
Home Insurance Co., of New York, expires No- vember 14, 1898.....	1,143.33	
American Fire Insurance Co., of Philadelphia, ex- pires November 14, 1898.....	1,143.33	
		\$ 3,429.52

Fire Bell and Attachments.

American Fire Insurance Co., of Philadelphia, expires March 30, 1898.....	\$ 428.58
Home Insurance Co., of New York, expires November 14, 1898.....	428.33
American Fire Insurance Co., of Philadelphia, expires November 14, 1898.....	428.33
	<hr/>
	\$ 1,285.24

Electrical Appurtenances, Etc.—Fire Alarm Telegraph.

Home Insurance Co., of New York, expires November 14, 1898.....	\$ 428.33
American Fire Insurance Co., of Philadelphia, expires March 30, 1898.....	428.58
American Fire Insurance Co., of Philadelphia, expires November 14, 1898.....	428.33
	<hr/>
	\$ 1,285.24

Engine House No. 3.

German-American Fire Insurance Co., of New York, expires May 20, 1898.....	\$ 1,500.00
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Engine House No. 4 and Truck House No. 2.

American Fire Insurance Co., of Philadelphia, expires February 1, 1898.....	\$ 1,000.00
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Engine House No. 5.

American Fire Insurance Co., of Philadelphia, expires April 25, 1898.....	\$ 2,500.00
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Engine House No. 6.

Palatine Insurance Co., of England, expires April 14, 1898	\$ 1,250.00
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Engine House No. 7.

London & Lancashire Fire Insurance Co., of Liverpool, England, expires February 6, 1897....	\$ 2,000.00
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Engine House No. 8.

Home Insurance Co., of New York, expires October 21, 1898	\$ 1,000.00
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Truck House No. 3.

American Fire Insurance Co., of Philadelphia, expires February 1, 1898	\$ 750.00
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House on Vancouver Avenue.

Continental Insurance Co., of New York, expires July 2, 1897	\$ 500.00
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House on Mississippi Avenue.

Continental Insurance Co., of New York, expires July 2, 1897	\$ 500.00
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Truck House No. 4.

London & Lancashire Insurance Co., of Liverpool, England, expires May 1, 1897.....	\$ 500.00
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Engine House No. 8.

American Fire Insurance Co., of Philadelphia, expires October 21, 1898	\$ 1,000.00
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LOCATION OF HOUSES.

No. 1 Engine Company, east side of Fourth, between Morrison and Yamhill streets.

No. 3 Engine Company, south side of Washington, opposite North Sixteenth street.

No. 4 Engine Company, east side of Fourth, between Montgomery and Mill streets.

No. 5 Engine Company, west side of Front, between Whittaker and Gibbs streets.

No. 6 Engine Company, west side of Twentieth, between Quimby and Raleigh streets.

No. 7 Engine Company, southeast corner East Third and East Pine streets.

No. 8 Engine Company, north side of Russell, between Williams avenue and Rodney avenue.

Chemical Engine No. 1, west side of Second, between Oak and Pine streets.

Chemical Engine No. 2, west side of First, between Madison and Jefferson streets.

Chemical Engine No. 3, west side of Union avenue, between Holladay avenue and Hassalo street.

Hook and Ladder Company No. 1, east side of Fourth, between Morrison and Yamhill streets.

Hook and Ladder Company No. 2, east side of Fourth, between Montgomery and Mill streets.

Hook and Ladder Company No. 3, north side of Glisan, between North Fourteenth and North Fifteenth streets.

Hook and Ladder Company No. 4, south side of Holladay avenue, between Grand and Union avenues.

Hose Company No. 1, north side of Everett, between Second and Third streets.

Hose Company No. 2, west side of First, between Madison and Jefferson streets.

Hose Company No. 3, west side of East Seventh, between Stephens and East Harrison streets.

Hose Company No. 5, corner East Thirty-fourth and East Yamhill streets, Sunnyside.

Supply Building, west side of North Twentieth, between Quimby and Raleigh streets.

Bell Tower, in rear of Engine Company No. 1.

SALARIES OF OFFICERS AND MEN.

One Chief Engineer	\$ 2,075.00
One First Assistant Engineer	1,550.00
Two District Engineers	2,750.00
Six Engineers of Steamers	6,750.00
Six Drivers of Steamers.....	5,150.00
Six Drivers of Hose Tenders.....	4,300.00
Five Drivers of Hose Companies.....	4,325.00
Four Drivers of Hook and Ladder Trucks.....	3,435.00
Three Drivers of Chemical Engine Companies.....	2,550.00
Six Foremen of Engine Companies.....	2,010.00
Five Foremen of Hose Companies.....	4,250.00
Four Foremen of Hook and Ladder Trucks.....	3,450.00
Three Foremen of Chemical Engine Companies.....	2,650.00
Three Pipemen of Chemical Engine Companies.....	2,265.00
Twenty-five Members at call of Engine Companies.....	6,298.00

Twenty-one Members at call of Hose Companies.....	4,434.00
Thirty-two Members at call of Hook and Ladder Companies..	7,360.00
One Driver Supply Wagon.....	815.00
One Superintendent Fire Alarm	1,550.00
One Lineman of Fire Alarm.....	800.00
One Secretary	1,150.00
One Hydrant Man	107.33

One hundred and thirty-seven members.....\$70,171.19

EXHIBIT OF LOSSES BY FIRE DURING THE YEAR 1896.

INSURANCE INVOLVED AND INSURANCE PAID.

Months	Loss		Insured for		Insurance Paid	
	Buildings	Contents	Buildings	Contents	Buildings	Contents
January	\$ 1,420.00	\$ 1,784.69	\$ 13,725.00	\$ 2,525.00	\$ 1,235.00	\$ 1,634.69
February	577.00	1,523.75	42,900.00	25,750.00	509.50	1,523.75
March	852.50	1,192.00	113,200.00	67,650.00	417.50	1,087.00
April	964.00	1,036.05	42,100.00	106,300.00	912.00	736.05
May	960.00	701.33	1,600.00	350.00	385.00	101.33
June	135,508.00	59,500.00	56,350.00	48,350.00	47,501.00	44,052.27
July	1,495.15	25.00	56,800.00	103,000.00	1,350.15	.....
August	7,479.60	5,677.91	20,350.00	7,250.00	5,149.00	4,788.51
September	1,929.38	12,866.75	38,700.00	37,700.00	1,932.38	12,874.00
October	8,061.25	3,260.00	15,650.00	2,250.00	201.25	260.00
November	43,770.50	7,854.00	94,500.00	54,650.00	42,914.50	78,440.00
December	3,867.75	7,175.00	50,900.00	37,850.00	3,813.75	71,750.00
Total	\$ 206,885.13	\$ 102,596.48	\$ 546,775.00	\$ 493,625.00	\$ 106,321.03	\$ 82,076.60

Total losses	\$ 309,481.61
Insurance	1,040,400.00
Insurance paid	188,397.63
Loss over insurance paid	121,083.98

Months	Year Ending December 31, 1895.					
	Actual Fires	Telephones	Stills	Boxes	From all Sources	Total
January	19	2	6	12	20	59
February	22	1	10	13	24	60
March	23	.....	9	17	26	65
April	12	.....	2	13	15	27
May	12	.....	3	12	15	27
June	22	.....	9	14	23	53
July	22	.....	8	21	29	51
August	9	.....	5	4	9	18
September	14	1	6	7	14	32
October	16	1	9	6	16	41
November	20	2	10	8	20	50
December	12	.....	4	7	13	25
Total	209	9	81	134	224	433

TABLES OF FIRES AND ALARMS

Year Ending December 31, 1895.

TABLES OF FIRES AND ALARMS

Year Ending December 31, 1896.

Months.	From all Sources.....	Boxes.....	Stills.....	Telephones.....	Actual Fires.....	False.....
January	15	11	3	1	8	---
February	16	10	3	3	8	---
March	43	29	10	3	21	1
April	12	4	8	---	6	---
May	9	9	1	---	6	1
June	21	15	6	---	9	---
July	27	23	4	---	16	---
August	19	15	4	---	11	---
September	11	8	3	---	6	1
October	19	12	7	---	9	---
November	19	9	12	---	8	---
December	20	8	8	2	10	2
Total	231	153	69	9	118	5

CAUSES OF FIRES AND ALARMS.

Burning flue	64
Burning rubbish	4
Boiling tar	5
Candles	2
Children playing with matches	3
Defective flue	28
Defective range	1
Defective furnace	3
Dry kiln	1
From burning electric wires	7
From adjoining fire	12
False alarm	5
From previous fire	2
Fire crackers	9
Gas jet	2
Hot ashes in barrel	2
Incendiary	5
Lighted cigar stump	4
Lamp explosion	12
Machinery getting hot	1
Over-heated oven	1
Over-heated stove	10
Sparks from electric light	1
Sparks from stove	1
Sparks from chimney	15
Sparks from smoke stack	6
Sparks from grate	1
Sparks from locomotive	1
Sparks from boiler	2
Spontaneous combustion	2
Tree, Christmas	1
Over-heated boiler	1
Over-heated incubator	1
Unknown	16
Total	231

CLASSIFICATION OF LOSSES.

Number of false alarms	5
Number of fires, no loss	90
Number of fires, loss under \$100.....	59
Number of fires, loss between \$100 and \$200.....	12
Number of fires, loss between \$200 and \$300.....	8
Number of fires, loss between \$300 and \$400.....	1
Number of fires, loss between \$400 and \$500.....	3
Number of fires, loss between \$500 and \$750.....	11
Number of fires, loss between \$750 and \$1,000.....	4
Number of fires, loss between \$1,000 and \$2,000.....	3
Number of fires, loss between \$2,000 and \$5,000.....	3
Number of fires, loss between \$5,000 and \$10,000.....	2
Number of fires, loss over \$10,000.....	4
Total	205

FIRE RECORD 1883 TO 1896 INCLUSIVE.

In 1883 total losses amounted to.....	\$319,092.20
In 1884 total losses amounted to.....	403,851.90
In 1885 total losses amounted to.....	59,329.73
In 1886 total losses amounted to.....	98,146.16
In 1887 total losses amounted to.....	84,173.72
In 1888 total losses amounted to.....	54,347.70
In 1889 total losses amounted to.....	37,730.23
In 1890 total losses amounted to.....	70,997.61
In 1891 total losses amounted to.....	251,759.86
In 1892 total losses amounted to.....	573,885.50
In 1893 total losses amounted to.....	155,459.39
In 1894 total losses amounted to.....	889,528.94
In 1895 total losses amounted to.....	139,611.20
In 1896 total losses amounted to.....	309,481.61

FIREMAN'S MUTUAL RELIEF ASSOCIATION

SECRETARY'S REPORT

Portland, Oregon, January 1, 1897.

To the Board of Directors:

Gentlemen—As required by Article 4 of the By-Laws, I herewith submit a report of the receipts and disbursements for the year ending December 31, 1896, and also a summary of the receipts and disbursements and sources of the revenues of the Association since the date of the organization, together with the amount of assets now on hand.

Respectfully submitted,

F. D. JODON,
Secretary.

RECEIPTS FOR 1896.

January 31, for dues and fines.....	\$ 96.00
February 29, for dues and fines.....	88.50
March 31, for dues and fines.....	263.50
April 30, for dues and fines.....	80.50
May 31, for dues and fines.....	218.00
June 30, for dues and fines.....	79.00
July 31, for dues and fines.....	100.00
August 31, for dues and fines.....	78.50
September 30, for dues and fines.....	73.50
October 31, for dues and fines.....	73.00
November 30, for dues and fines.....	93.50
December 31, for dues and fines.....	92.50
Total receipts	\$1,336.50

DISBURSEMENTS FOR 1896.

February 3, A. J. Coffee, sick benefit, warrant 583.....	\$ 41.30
March 5, H. H. Holmes, sick benefit, warrant 584.....	27.15
March 5, Chas. Dick, sick benefit, warrant 585.....	16.56
March 7, James Printing Co., printing constitution, warrant 586	5.50
April 4, M. King, sick benefit, warrant 587.....	10.65
April 4, Thos. Grenfell, sick benefit, warrant 588.....	14.65
April 4, C. L. Smith, sick benefit, warrant 589.....	22.70

April 4, D. Campbell, funeral benefit, T. Grenfell, warrant 590	75.00
April 4, Prager Bros., funeral crepe, etc., T. Grenfell, warrant 591	22.03
May 5, Ben Woods, sick benefit, warrant 592.....	32.00
May 5, C. L. Smith, sick benefit, warrant 593.....	44.00
May 5, W. Kerrigan, sick benefit, warrant 594.....	38.70
May 5, C. L. Dick, sick benefit, warrant 595.....	40.00
May 5, N. R. Donlon, sick benefit, warrant 596.....	29.30
May 5, H. H. Holmes, sick benefit, warrant 597.....	40.00
May 5, G. H. Wemple, sick benefit, warrant 598.....	17.35
June 4, Olds & King, two boxes crepe, warrant 599..	2.50
June 4, City Laundry, washing gloves, warrant 600..	1.80
June 4, W. D. Heath, sick benefits, warrant 601.....	33.35
June 4, E. S. Craig, sick benefits, warrant 602.....	25.35
June 4, N. R. Donlon, sick benefits, warrant 603.....	40.00
June 4, D. Campbell, funeral E. A. Scofield, war't 604.	75.00
Sept. 5, P. Taggart, sick benefits, warrant 605.....	13.35
Sept. 5, W. B. Sloan, sick benefits, warrant 606.....	37.35
Sept. 5, S. Stafford, sick benefits, warrant 607.....	24.00
Aug. 10, N. R. Donlon, sick benefits, warrant 608....	9.30
Oct. 5, G. W. Jolly, sick benefits, warrant 609.....	12.00
Nov. 5, Tom O'Day, sick benefits, warrant 610.....	10.66
Dec. 5, L. J. Gardner, sick benefits, warrant 611.....	12.00
Dec. 5, Claud D. Smith, sick benefits, warrant 612....	9.35
Jan. 5, L. J. Gardner, sick benefits, warrant 613....	2.65
Jan. 5, Albert Anderson, sick benefits, warrant 614..	20.00
Jan. 5, Louis Favero, sick benefits, warrant 615....	9.35
Jan. 5, Louis Cone, sick benefits, warrant 616.....	12.00
Total disbursements	
	\$ 826.90

SUMMARY OF RECEIPTS AND DISBURSEMENTS.

	Receipts.	Disbursements
1883	\$ 691.00	\$ 368.84
1884	623.00	475.81
1885	1,381.50	685.72
1886	811.00	337.67
1887	830.00	588.76
1888	669.50	722.80
1889	934.38	855.48
1890	1,391.40	1,162.14
1891	1,510.25	960.35

1892	1,832.40	2,143.10
1893	1,748.39	1,644.32
1894	1,420.25	839.36
1895	1,088.35	858.65
1869	1,336.50	3,540.48
	\$16,267.92	\$15,183.48

BALANCE ON HAND.

Bills receivable, note secured by mortgage.....	\$ 2,400.00
Cash in hands of Treasurer.....	1,140.48

Total assets on hand.....\$ 3,540.48

SOURCES OF REVENUES FROM 1893 TO 1896, INCLUSIVE.

From dues and fines.....	\$12,327.25
From donations	950.50
From theater benefits	757.00
From interest	859.67
From miscellaneous sources	37.00
From dues and fines, 1896.....	1,336.50
Total revenues	\$16,267.82

CHIEF ENGINEER'S REPORT

Portland, Oregon, December 31, 1896.

To the Honorable, the Board of Fire Commissioners of the City of Portland:

Gentlemen—I have the honor to submit herewith the annual report of the Fire Department for the year ending December 31, 1896, being my first report—my incumbency dating from October 1, 1896—and the Fourteenth annual report of the Paid Fire Department of the City of Portland.

ORGANIZATION AND EQUIPMENT.

The Fire Department as now constituted, under control of your honorable body, consists of a Chief Engineer, an Assistant Chief Engineer, two District Engineers, one Secretary, one Superintendent of Fire Alarm Telegraph, one Fire Alarm Repair man, one Supply Driver, One Hydrant man, six Steam Fire Engine Companies, manned by 60 men, three Chemical Engine Companies, manned by nine men, four Hook and Ladder Companies, manned by 40 men, five Hose Companies, manned by 33 men, 56 horses in serviceable condition, three Reserve Steam Fire Engines, in fair condition, and three Reserve Steam Fire Engines, worthless, one third-class Hayes Truck, reserve, and two two-wheeled Hose Reels, in fair condition.

Our Paid Fire Department is supplemented by the following Volunteer Fire Companies in suburban districts, to which we have furnished respectively, hose reels and a village truck, and the following amounts of hose:

Portland Heights	1 hose reel and 700 feet of hose
Stephens' Addition	1 hose reel and 750 feet of hose
Piedmont	1 hose reel and 800 feet of hose
Fulton Park	1 hose reel and 650 feet of hose
Multnomah	1 hose reel and 275 feet of hose
Woodlawn.....	1 hand village hook and ladder truck
Sellwood.....	1 4-wheel carriage and 650 feet of hose, and 1 extension hook and ladder truck with Babcocks, fully equipped.

HOSE.

In the Paid Fire Department there is in service 5,250 feet of rubber hose, and 8,900 feet of cotton hose; and in the Volunteer Companies there is in service 3,525 feet of rubber hose, and 300 feet of cotton hose, making a total of 17,975 feet of hose.

RECOMMENDATIONS.

With the exception of the Weidler mill fire of June last, entailing a net loss of \$137,000, and the Wolf Bro.'s fire of July, entailing an estimated loss of \$30,000, the aggregate of fire losses for 1896 is small. This is in a large measure due to the broad policy adopted by your honorable body in the maintenance of the Fire Department in the best possible manner consistent with the means of the city, considering, that the fire limits cover so small an area and such a large portion of our city is built of wood.

For the ensuing year I beg to submit for your consideration and action the following recommendations:

WATER FRONT.

A vast wealth of property, buildings and merchandise are located on the river front. In case of fire in this district the river would, under certain conditions, be a most valuable water supply: Inasmuch as there are but few streets open to the water's edge, our fire department is almost entirely prevented from making use of this source of water supply. I would suggest action toward providing ready access for our steamers to the water's edge, at the foot of as many as possible of our principal streets, particularly within the jobbing or wholesale district.

FIRE HYDRANTS.

In line of economy I would suggest an increase in the number of hydrants in service would effect a great saving by reduction of the amount of hose it is annually necessary to purchase, at same time lessening somewhat the quantity carried on each of our hose wagons. A hydrant representing a comparatively small outlay remains in service indefinitely, while hose is destructible.

HOSE AND HOSE TOWERS.

During the past year one hose tower has been built at Engine Co. No. 7 and Hose Co. No. 3, and an inclined drying rack at Engine Co. No. 6, and these companies equipped with cotton hose. In my judgment cotton hose has many advantages over rubber hose and also costs less. It appears to me wise to transfer to the companies having the least service to perform, the old rubber hose now in the department as rapidly as it becomes unfit for service where it now is, replacing the same with cotton hose.

AUTOMATIC RELIEF VALVE.

An automatic relief valve should be provided for Engine No. 3, which is the only engine in the department not provided with this very necessary attachment, which acts as a relief to engine and hose when the stream is suddenly shut off at the nozzle for any purpose.

CHEMICAL ENGINES.

This most valuable branch of our department has made a **splendid** record during the past year, quite up to former records. With a **large** percentage of fires extinguished by Chemical engines alone, **without** the use of water (thereby avoiding damage by water to buildings and contents not burned) a great salvage is effected.

REPAIRS.

A considerable amount of repairing to houses, stalls, etc., and also to apparatus, has been done. We have obtained most satisfactory results from vitrified brick laid in asphalt, as a flooring for stalls. In this connection I wish to urge that the present policy of making such repairs as may be necessary, in a permanent and substantial manner, may be continued, inasmuch as this plan is the only truly economical and satisfactory one.

SUPPLIES.

It appears that some saving might be effected in purchasing feed and miscellaneous supplies in larger quantities, thus obtaining lower prices on our purchases. As we have ample room in our houses for storage, this can readily be done, provided we can effect a saving as indicated.

DEATH IN THE SERVICE.

By death the department has lost a valued member, one who was ever at his post of duty, unflinching. Thomas Greuffell, of Engine 2, who died March 25th, last, was a member of the Fire Department in 1883, when the Paid Department was first created.

In closing this report, I desire to very cordially express my appreciation of the active interest your honorable body has taken in the affairs of the department, and to thank his Honor, the Mayor, for like interest and his assistance in all matters pertaining to the betterment of the service. I also wish to thank the Police Department for valuable aid rendered, also the Superintendent of Fire Alarm Telegraph for the efficiency of his service, and to commend the officers and men in the department for faithful performance of duty.

Respectfully submitted,

T. De BOEST,
Chief P. P. F. D.

FIRES AND ALARMS FROM JANUARY 1 TO
DECEMBER 31, 1896.

The total number of alarms responded to during the year were 223, of which 143 were from boxes; 68 were still alarms, 12 were telephone alarms, and 3 were false alarms.

Of the total number of alarms 122 were attended by no losses.

The total fire losses amounted to \$309,481.61, of which amount \$206,885.13 represent loss to buildings and \$102,596.48, contents of buildings.

Total gross amount of insurance on same was \$1,040,400.00.

Amount of insurance paid, \$188,397.63; loss in excess of insurance paid, \$121,083.98.

January 1—12 A. M. Box 215.

No. 500 East Third street. 1 story frame, residence of E. Johnson; cause of fire, overheated stove; loss, \$750.00; insurance, \$750.00.

January 1—2:30 P. M. Box 214.

No. 31½ Hawthorne avenue. 2 story frame, owned by Dr. Surman; occupied by P. Bruce, hotel; cause of fire, unknown; loss, \$35.00; insurance, \$3,000.00.

January 1—4:40 P. M. Box 315.

No. 567 Albina avenue. 2 story frame, owned and occupied by Mary Kennedy as residence; cause of fire, children playing with matches; no loss.

January 5—5:45 P. M. Box 341.

No. 121½ Russell street. 2 story frame, owned by Dr. Newcastle; occupied by W. Golleck, lodging house; cause of fire, burning flue; no loss.

January 17—9:45 P. M. Box 126.

No. 216 Clay street. 2 story frame, owned by P. Baker; occupied by Ho Lee, laundry; cause of fire, clothes too close to heater; loss, \$300.00; no insurance.

January 18—6:35 P. M. Box 52.

No. 236 Columbia street. 2 story frame, owned by Mrs. Vail; occupied by Mrs. Bradley, lodging house; cause of fire, burning flue; no loss.

January 20—12:30 A. M. Telephone call.

No. 366 Morrison street. 3 story frame, owned by Sarah Pardun; occupied by Mrs. Jones, lodging house; cause of fire, hot ashes in box; loss, \$5.00; insurance, \$3,500.00.

January 21—8 P. M. Box 74.

No. 620 Front street. 2 story frame, owned by James Barry, his residence; cause of fire, spontaneous combustion; loss, \$200.00; insurance, \$2,600.00.

January 21—8:05 P. M. Box 31.

Same fire.

January 24—3:15 P. M. Still alarm.

Corner East 21st and Stark streets. 1½ story frame, owned by Peter Rugten; occupied by W. J. Thomas as residence; cause of fire clothes too close to fire; loss, \$10.00.

January 24—6:25 P. M. Still alarm.

No. 46 East Sixth street. 2 story frame, owned by Carson estate; occupied by W. J. McKinney as residence; cause of fire, burning flue; no loss.

January 26—3:30 A. M. Box 231.

No. 84 Union avenue. 1 story frame, owned by Chas. Logus; occupied by L. A. Patterson, toy and notion store; cause of fire, unknown; loss, \$1,079.69; insurance, \$1,054.69.

January 26—11:25 A. M. Box 251.

No. 422 East Eighth streets. Frame structure, Calvary Baptist church; cause of fire, overheated furnace; loss, \$300.00; insurance, \$3,800.00.

January 31—2:30 P. M. Box 259.

No. 509 East Eleventh street. 1 story frame, owned by D. MacKay; occupied by L. Cornuck as residence; cause of fire, burning flue; no loss.

January 31—8 P. M. Still alarm.

No. 341 East Ninth street. 1½ story frame, owned by A. Goldstein; occupied by F. Rogaway as residence; cause of fire, overheated stove; loss, \$525.00; insurance, \$1,350.00.

February 4—12:30 P. M. Still alarm.

No. 146 Sixteenth street. 2 story frame, owned by C. L. Lightner; occupied by J. V. Creighton as residence; cause of fire, lamp explosion; loss, \$130.75; insurance, \$4,500.00.

February 4—9:15 P. M. Box 12.

No. 186 First street. 3 story brick, owned by Meade estate; occupied by H. E. Edwards, furniture store; cause of fire, unknown; loss, \$594.50; insurance, \$20,000.00.

February 10—12:45 P. M. Box 235.

No. 21½ Grand avenue. 3 story brick, owned by J. P. Baylor; occupied by Walking Bros.' hotel; cause of fire, burning flue; no loss.

February 12—9 A. M. Box 134.

No. 251 Sixth street. 2 story frame, owned by H. Fried; occupied by William Palmer as residence; cause of fire, defective flue; no loss.

February 13—8:05 P. M. Box 142.

No. 230 Couch street. 2 story frame, owned by G. W. Bates; occupied by Quin Lee, laundry; cause of fire, burning flue; no loss.

February 16—5:30 P. M. Still alarm.

No. 373 Washington street. 2 story frame, owned by W. K. Smith; occupied by Mrs. Keaton as residence; cause of fire, burning flue; no loss.

February 17—9:45 P. M. Telephone call.

Corner Front and Morrison streets. 4 story brick, owned by R. Knapp; occupied by Davies & McCauley, hotel; cause of fire, burning flue; loss, \$25.00; insurance, \$25,000.00.

February 18—3:15 P. M. Box 216.

No. 305 East 12th street. 1 story frame, owned by John Myers; occupied by J. Ammeter as residence; cause of fire, sparks from the chimney; loss, \$25.00; insurance, \$1,000.00.

February 19—4:45 P. M. Box 43.

Front and Savier street. 2 story brick, owned by Willamette Steam Mills, engine room; cause of fire, sparks from boiler; no loss.

February 26—5:30 A. M. Still alarm.

No. 228 First street. 2 story frame, owned by G. Shindler; occupied by Moss & Co., restaurant; cause of fire, overheated stove; loss, \$25.00; insurance, \$2,200.00.

February 26—2:20 P. M. Box 217.

No. 101 East Eleventh street. 2 story frame, owned by W. W. Royal as his residence; cause of fire, defective flue; no loss.

February 27—6 P. M. Box 215.

No. 288 East Ninth street. 2 story frame, owned by Mrs. Hovey as her residence; cause of fire, burning flue; no loss.

February 27—10:15 P. M. Box 31.

No. 269 Arthur street. 1½ story frame, owned by L. Fogel, his residence; cause of fire, overheated stove; loss, \$880.00; insurance, \$1,400.00.

February 27—8:15 P. M. Telephone call.

No. 326 East Hoyt street. 1 story frame, owned by J. Brightinzer, stable; cause of fire, incendiary; loss, \$20.00; no insurance.

February 29—10:15 A. M. Telephone call.

No. 490 Market street. 2 story frame, owned by T. Rigent; occupied by A. Brown as residence; cause of fire, burning flue; no loss.

February 29—10:25 P. M. Box 52.

No. 267 Third street. 2 story frame, owned by W. L. Patton; occupied by K. Marshall, tailor shop; cause of fire, overheated stove; loss, \$400.50; insurance, \$750.00.

March 1—6:45 P. M. Box 325.

No. 904 Williams avenue. 2 story frame; owned by H. Livermore; occupied by B. Salstrom, residence; cause of fire, burning flue; no loss.

March 1—9:30 P. M. Box 259.

No. 603 East Eleventh street. 2 story frame; owned by H. B. Patrick; his residence; cause of fire, burning flue; no loss.

March 1—10:15 P. M. Box 59.

No. 381 Seventh street. 1½ story frame; owned by Baker estate; occupied by Mrs. Abraham, residence; cause of fire, burning flue; no loss.

March 1—10:40 P. M. Box 26.

No. 546 Savier street. 1 story frame; no loss.

March 1—6:50 P. M. Still alarm.

No. 300 Quincy street. 2 story frame; owned by J. Curan, his residence; cause of fire, burning flue; no loss.

March 1—9:45 P. M. Still alarm.

No. 61 Third street. 2 story brick; owned by J. Kiernan; occupied by Wisdom Drug Co.; cause of fire, lighted cigar stub; loss, \$10.00; insurance, \$9,000.00.

March 1—7:10 P. M. Still alarm.

No. 375 Multnomah street. 2 story frame; owned by D. Carstens, his residence; cause of fire, burning flue; no loss.

March 1—3:10 P. M. Still alarm.

No. 206 Washington street. 2 story brick; owned by Smith & Woodward; vacant; cause of fire, burning flue; no loss.

March 2—11:40 A. M. Box 243.

No. 689 East Alder street. 2 story frame; owned by W. H. Ponthern, his residence; cause of fire, burning flue; no loss.

March 2—6:35 P. M. Box 36.

No. 432 College street. 2 story frame; owned by H. Hanson; occupied by C. Cline, residence; cause of fire, burning flue; no loss.

March 2—7:35 P. M. Telephone call.

No. 187 Twelfth street. 2 story frame; owned by J. Fields; occupied by M. Keating, residence; cause of fire, overheated stove; loss, \$18.00; insurance, \$2,000.00.

March 2—5:00 P. M. Still alarm.

No. 225 Hassalo street. 3 story frame; owned by A. H. Breyman, his residence; cause of fire, defective flue; loss, \$125.00; insurance, \$9,000.00.

March 2—7:00 P. M. Still alarm.

Same; loss, \$75.00; insurance, \$9,000.00.

March 3—8:30 A. M. Still alarm.

No. 17 Pettygrove street. 1 story frame; owned by X. N. Steeves; occupied by J. Canahan, residence; cause of fire, burning flue; no loss.

March 3—7:00 P. M. Still alarm.

No. 13 North Fifth street. 1½ story frame; owned by F. Phillip; occupied by Mrs. Lunden, residence; cause of fire, burning flue; no loss.

March 4—6:05 P. M. Box 15.

No. 22 Second street. 1½ story frame; owned by F. Eberhard; occupied by A. Ericson, saloon; cause of fire, defective furnace; loss, \$50.00; insurance, \$6,000.00.

March 8—7:15 P. M. Box 215.

No. 284 East Sixth street. 2 story frame; owned by B. Wilskey; his residence; cause of fire, burning flue; no loss.

March 9—12:50 A. M. Box 37.

No. 565 Second street. 1½ story frame; owned by E. Colson; occupied by A. Robinson, residence; origin of fire, incendiary; loss, \$260.00; insurance, \$1,600.00.

March 13—8:15 P. M. Box 71.

No. 92 Porter street. 2½ story frame; owned by Mrs. Brown, her residence; cause of fire, sparks from locomotive; loss, \$6.00; insurance, \$800.00.

March 14—9:55 A. M. Box 26.

No. 374 Seventeenth street. 2 story frame; owned by Watson estate; occupied by E. J. Stewart, residence; cause of fire, sparks from flue; loss, \$7.50; insurance, \$500.00.

March 14—3:35 P. M. Box 218.

No. 676 Oregon street. 1½ story frame; owned by Mrs. Gutzerine; occupied by S. Peterson, residence; cause of fire, sparks from flue; loss, \$250.00; no insurance.

March 14—3:50 P. M. Box 246.

No. 664 Oregon street. 1½ story frame; owned by Mrs. Gutzerine; occupied by S. Cox, residence; cause of fire, sparks from chimney; loss, \$50.00; no insurance.

March 14—4:30 P. M. Box 56.

No. 225 Eleventh street. 2 story frame; owned by G. P. Lent; occupied by Mrs. Jay, residence; cause of fire, sparks from flue; loss, \$5.00; insurance, \$4,000.00.

March 14—5:50 P. M. Telephone.

Corner First and Taylor streets. 3 story brick; owned by Smith Bros.; occupied by Hyams & Co., clothing store; cause of fire, electric light wire; no loss.

March 14—10:45 P. M. Box 145.

No. 205 Sixteenth street. 1 story frame; owned by J. Marshall; occupied by T. A. McDonald, residence; cause of fire, lighted candle too close to wood; loss, \$15.00; no insurance.

March 14—10:20 P. M. Still alarm.

No. 269 Couch street. 1 story frame; owned by V. B. DeLashmutt; occupied by Miss Sarah, residence; cause of fire, burning flue; no loss.

March 15—2:15 P. M. Box 38.

No. 325 Water street. 2 story frame; owned by Captain Love; occupied by M. Arata, residence; cause of fire, burning flue; no loss.

March 16—11:20 P. M. Box 25.

No. 233 Thirteenth street. 3 story brick; owned by J. A. Martin; occupied by Cleveland Oil & Paint Co., shops; spontaneous combustion; loss, \$5.00; insurance, \$11,000.00.

March 18—8:10 A. M. Still alarm.

No. 386 Sixth street. 2 story frame; owned by the United Presbyterian society; occupied by G. E. Hawes, residence; cause of fire, burning flue; no loss.

March 19—11:50 P. M. Box 215.

No. 403 Hawthorne avenue. 2 story frame; owned by Voss & Boscow; occupied by Wenning & Kissling, baker shop; cause of fire, defective flue; loss, \$30.00; insurance, \$1,500.00.

March 20—7:55 P. M. Box 48.

No. 170 Thirteenth street. 1 story frame; owned by Whittier, Fuller & Co., store house; origin of fire, incendiary; no loss.

March 21—10:55 P. M. Box 53.

No. 391 Morrison street. 3 story brick; owned by Dr. Brown; occupied by M. Willis, baker shop; cause of fire, electric wire crossed; loss, \$360.00; insurance, \$2,600.00.

March 22—8:30 A. M. Box 526.

Corner Third and Morrison streets. 3 story brick; owned by Chas. Aliskey; occupied by D. Solis Cohen, clothing store; cause of fire, overheated boiler; no loss.

March 22—6:50 P. M. Box 38.

False alarm.

March 24—7:30 P. M. Box 238.

No. 373 Ross street. 2½ story frame; owned by Mrs. Sinnott, her residence; cause of fire, children playing with matches; loss, \$10.00; insurance, \$10,000.00.

March 25—8:10 P. M. Box 13.

No. 142 Third street. 3 story frame; owned by C. H. Lewis; occupied by J. Simon, fruit store; cause of fire, lamp explosion; loss, \$21.00; insurance, \$2,750.00.

March 27—11:40 P. M. Box 13.

No. 281 Washington street. 2 story frame; owned by Mrs. Gearin; occupied by F. Huber, saloon; cause of fire, adjoining fire; no loss.

March 27—11:40 P. M. Box 13.

No. 111 Fourth street. 1 story frame; owned by B. Smith; occupied by Lung Hung Sing, laundry; cause of fire, unknown; loss, \$100.00; no insurance.

March 28—2:50 P. M. Box 234.

No. 445 East Salmon street. 1 story frame; owned by H. G. Campbell, his residence; cause of fire, burning flue; no loss.

March 29—10:30 P. M. Still alarm.

No. 87 Sixteenth street. 1½ story frame; owned by J. F. Krumbein, his residence; cause of fire, defective flue; loss, \$15.00; insurance, \$6,500.00.

March 29—5:30 P. M. Telephone call.

No. 224 Mill street. 2 story frame; owned by J. Wilson; occupied by H. Goodman, residence; cause of fire, defective flue; loss, \$6.00; insurance, \$1,200.00.

March 29—7:30 P. M. Box 142.

No. 81 Third street. 3 story frame; owned by C. Cardinell, lodging house; cause of fire, burning flue; no loss.

March 30—8:15 P. M. Box 34.

No. 481 Tenth street. 2 story frame; owned by City Water Works, residence E. Dowling; cause of fire, overturned lamp; loss, \$625.00; insurance, \$500.00.

April 4—9:25 A. M. Still alarm.

Foot of Oak street. 2 story frame; owned by Price estate; occupied by Cone & Noonig, wood yard; cause of fire, sparks from smoke stack; no loss.

April 4—11:50 A. M. Box 219.

81 East Eighth street. 1 story frame; owned by Dalton estate; occupied by J. F. Ferchen, residence; cause of fire, sparks from flue; loss, \$2.00; no insurance.

April 7—7:45 A. M. Box 37.

No. 58 North Fifth street. 1 story frame; owned by C. Matze, residence; cause of fire, burning flue; no loss.

April 8—6:30 A. M. Still alarm.

No. 887 Corbett street. 3 story frame; owned by Children's Home Association; cause of fire, burning flue; no loss.

April 9—7:35 P. M. Still alarm.

No. 286 Clay street. 2 story frame; owned by DeLashmutt & Williams; occupied by L. Schwartz, residence; cause of fire, overturned lamp; loss, \$700.00; insurance, \$1,800.00.

April 9—8:20 P. M. Still alarm.

No. 734 Hawthorne avenue. 1 story frame; owned by F. Miller, his residence; cause of fire, defective flue; loss, \$173.50; insurance, \$600.00.

April 14—10:30 A. M. Still alarm.

No. 270 First street. 3 story brick; owned by Mrs. Mulkey; occupied by Peters & Roberts, furniture store; cause of fire, lighted cigarette; loss, \$50.00; insurance, \$15,000.00.

April 17—6:10 P. M. Still alarm.

No. 81 Third street. 6 story brick; owned by William Sherlock; occupied by J. Moyer, clothing store; cause of fire, sparks from electric light; loss, \$50.00; insurance, \$130,000.00.

April 17—8:30 P. M. Still alarm.

No. 266 Taylor street. 1 story frame; owned by H. Durham; occupied by One Sing, cigar store; cause of fire, burning flue; no loss.

April 26—5:10 P. M. Still alarm.

No. 128 Second street. 2 story brick; owned by H. W. Corbett; occupied by On Lee, Chinese store; cause of fire, burning flue; no loss.

April 27—6:10 P. M. Box 142.

No. 280 Everett street. 1 story frame; owned by A. Lyons; occupied by E. Duval, residence; cause of fire, unknown; loss, \$1,024.50; insurance, \$1,000.00.

April 27—7:25 P. M. Box 142.

No. 172 Everett street. 2 story frame; owned by A. Lyons; occupied Miss Norma, residence; cause of fire, burning flue; no loss.

May 11—2:15 A. M. Box 15.

No. 25 North Second street. 1 story frame; owned by Mrs. Marshall; occupied by S. Norgosky, clothing store; cause of fire, unknown; loss, \$550.00; no insurance.

May 14—9:40 A. M. Box 523.

No. 302 Washington street. 4 story brick; owned by Ladd estate; occupied by Olds & King, dry goods store; false alarm.

May 15—10:15 A. M. Box 51.

No. 220 Second street. 2 story frame; owned by J. Arnold, restaurant; cause of fire, defective flue; no loss.

May 19—12:05 P. M. Box 23.

No. 86 Park street. 1 story frame; owned by M. C. Lyon; occupied by A. Frisckhorn, residence; cause of fire, burning flue; loss, \$10.00; insurance, \$600.00.

May 23—3:05 P. M. Box 74.

No. 108 Caruthers street. 1 story frame; owned by C. Aberdroth; shed; cause of fire, children playing with matches; loss, \$25.00.

May 25—8:30 A. M. Box 258.

Corner Third and Taggart streets. 2 story frame; owned by the Pacific Lumber Co., saw mill; cause of fire, sparks from smoke stack; no loss.

May 26—9:30 P. M. Still alarm.

No. 248 Couch street. 2 story frame; owned by T. Stephens; occupied by Sing Hong, cigar store; cause of fire, burning flue; no loss.

May 30—3:30 A. M. Box 135.

No. 329 Stark street. 1 story frame; owned by Kohn estate; occupied Frisckhorn & Schiller, baker shop; cause of fire, overheated stove; loss, \$351.33; insurance, \$600.00.

No. 327 Stark street. 1½ story frame; owned by S. Wolfe; occupied by Thomas Evans, residence; cause of fire, adjoining fire; loss, \$125.00; insurance, \$750.00.

May 31—2:15 P. M. Box 245.

No. 105 East Twentieth street. 2 story frame; owned by E. L. Caldwell; occupied by John Smith, residence; cause of fire, defective flue; loss, \$600.00; no insurance.

June 1—9:15 A. M. Box 52.

No. 311 Madison street. 1 story frame; owned by Daniels & Chambers, paint shop; cause of fire, unknown; loss, \$225.00; insurance, \$400.00.

June 2—2:30 P. M. Still alarm.

No. 185 East Thirty-fourth street. 1½ story frame; owned by Chung Hic; occupied by Charles Hame, laundry; cause of fire, sparks from chimney; loss, \$2.00; no insurance.

June 8—4:30 A. M. Box 149.

North Front street, near Guild's lake 1 story frame; owned by Union Powder Co.; occupied by Electric Power Co.; cause of fire, sparks from boiler; total loss; insurance, \$57,000.00.

June 10—5:20 P. M. Box 124.

No. 412 Front street. 2 story brick; owned by Smith & Watson; foundry; cause of fire, sparks from furnace; loss, \$15.00; insurance, \$1,000.00.

June 11—2:45 P. M. Box 63.

No. 124 Park street. 2 story frame; owned by J. O'Connor; occupied by Mrs. Perkins, residence; cause of fire, sparks from chimney; loss, \$5.00; insurance, \$3,000.00.

June 12—4:35 P. M. Box 62.

No. 246 Flanders street. 2 story frame; owned by G. Marshall; occupied by J. Pander, junk store; cause of fire, sparks from smoke stack; no loss.

June 13—8:00 A. M. Box 219.

No. 487 East Stark street. 2 story frame; owned by W. Leghtner; occupied by E. J. Tarbox, grocery store; cause of fire, burning flue; no loss.

June 13—4:50 P. M. Still alarm.

No. . . . Loring street. Rubbish; no loss.

June 13—12:15 P. M. Box 9.

No. 355 Everett street. 1½ story frame; owned by W. W. Spaulding, his stable; cause of fire, sparks from smoke stack; no loss.

June 16—8:30 A. M. Still alarm.

No. 111 Third street. 1 story frame; owned by Marshall estate; occupied by Anderson & Caslow, blacksmith shop; cause of fire, sparks from smoke stack; no loss.

June 19—12:15 P. M. Box 9.

No. 95 Tenth street. 2 story frame; owned by Mrs. Stark; occupied by R. Perkins, residence; cause of fire, burning flue; loss, \$1.00; insurance, \$500.00.

June 24—12:40 P. M. Box 325.

Highland Addition. 2 story frame; owned by L. Zast, his residence; cause of fire, unknown; loss, \$750.00; insurance, \$750.00.

June 24—12:45 P. M. Box 54.

No. 273 Pine street. 3 story frame; owned by Ainsworth estate; lodging house; cause of fire, sparks from chimney; loss, \$5.00; no insurance.

June 25—12:05 P. M. Box 31.

No. 680 Water street. 2 story frame; owned by H. C. Allen; occupied by J. P. Converse, residence; cause of fire, overheated flue; no loss.

June 26—3:30 P. M. Box 43.

Foot of Savier street. 2 story frame saw mill; owned by Willamette Steam Mills Co.; cause of fire, overheated bearings; total loss, \$137,000.00; insurance, \$40,000.00; insurance paid, \$37,000.00.

June 26—3:55 P. M. Box 312.

Foot of Randolph street. 2 story frame; owned by Saw Mill Co.; cause of fire, sparks from saw mill fire; see above.

June 26—4:50 P. M. Box 312.

No. 508 Loring street. 1 story frame; owned by G. A. Brockaway, residence; cause of fire, sparks from saw mill fire; no loss.

June 26—5:30 P. M. Box 312.

No. 508 Loring street. 1 story frame; owned by G. A. Brockaway, residence; cause of fire, sparks from saw mill fire; no loss.

June 28—5:00 A. M. Still alarm.

Foot of Savier street. Rebreaking out of old fire.

June 28—10:45 A. M. Still alarm.

No. 309½ First street. 2 story frame; owned by M. Zork, lodging house; cause of fire, defective flue; loss, \$5.00; insurance, \$1,000.00.

June 29—3:30 A. M. Still alarm.

Foot of Savier street. Rebreaking out of old fire.

July 1—12:50 P. M. Box 37.

No. 307 Grant street. 2 story frame; owned by C. Wintzengerode; vacant; cause of fire, fire crackers; loss, \$10.00; insurance, \$1,600.00.

July 3—5:25 P. M. Box 135.

No. 130 Sixth street. 2 story brick; owned by Jacobs Bros. and Lang; occupied by Victor Bicycle Co.; cause of fire, fire crackers; loss, \$61.30; insurance, \$1,000.00.

July 3—7:25 P. M. Still alarm.

No. 180 Third street. 3 story frame; owned by J. F. Cordray, theater; cause of fire, fire crackers; no loss.

July 3—6:40 P. M. Box 51.

No. 187 Front street. 2 story brick; owned by Meier & Frank, dry goods store; cause of fire, fire crackers; loss, \$800.00; insurance, \$85,000.00.

July 3—9:35 P. M. Box 135.

No. 135 Sixth street. 8 story brick; owned by Oregonian Publishing Co.; cause of fire, fire crackers; bunting decorations burned; no loss.

July 3—10:10 P. M. Box 37.

Head of Seventh street. 1 story frame; blacksmith shop; cause of fire, fire crackers.

July 4—10:50 A. M. Still alarm.

No. 308 Oak street. Rubbish on sidewalk; no loss.

July 4—12:50 P. M. Box 31.

No. 202 Meade street. 2 story frame; owned by Col. J. M. Drake; occupied by T. Malloy, residence; loss, \$133.50; insurance paid, \$133.50; cause of fire, fire crackers.

July 4—2:15 P. M. Box 23.

Nos. 66 and 68 Twentieth street. 2 story frame; owned by Ladd & Tilton; occupied by Mrs. Dilinger, residence; cause of fire, fire crackers; loss, \$236.80; insurance, \$2,000.00.

July 4—7:55 P. M. Box 124.

No. 410 First street. 2 story frame; owned by T. Rinke; occupied by O. M. Laren, residence; cause of fire, fire crackers; loss, \$1.50; insurance, \$1,800.00.

July 7. Box 45.

No. 385½ Flanders street. 1 story frame; owned by G. Marshall estate; occupied by J. DeLane, residence; cause of fire, sparks from chimney; loss, \$125.00; no insurance.

July 8—5:15 P. M. Box 13.

No. 255 Washington street. 3 story brick; owned by Dekum estate; occupied by Tom Stewart, saloon; cause of fire, lighted cigar; loss, \$5.00; insurance, \$11,200.00.

July 12—2:30 A. M. Still alarm.

No. 192 East Seventh street. 1½ story frame; owned by Mrs. C. B. Bellinger; occupied by L. Knapp, residence; cause of fire, ash barrel; loss, \$5.00.

July 12—4:50 P. M. Box 218.

Portland Athletic Association grounds, grand stand; cause of fire, lighted cigar; no loss.

July 13—3:35 P. M. Box 8.

No. 475 Morrison street. 2 story frame; owned by William Kapus, his residence; cause of fire, sparks from chimney; loss, \$15.00; insurance, \$5,000.00.

July 14—5:40 P. M. Box 43.

No. 449 Savier street. 2 story frame; owned by Turk estate, hotel; cause of fire, defective flue; loss, \$27.05; insurance, \$2,500.00.

July 19—3:15 P. M. Box 62.

No. 247 Hoyt street. 1 story frame; owned by R. Harper, his residence; cause of fire, sparks from chimney; loss, \$5.00; no insurance.

July 20—6:12 P. M. Box 19.

Nos. 30-32 Front street. 2 story brick; owned by Lambert estate and H. L. Hoyt; occupied by H. Wolf & Brother, clothing; cause of fire, unknown; amount of loss in litigation; amount of insurance, \$28,000.00.

August 12—11:55 P. M. Box 63.

No. 433 Washington street. 1 story frame; owned by G. H. Fdies; occupied by Mrs. W. B. Letcher, factory; cause of fire, adjoining fire; loss, \$127.50; insurance, \$175.00.

August 12—11:55 P. M. Box 63.

No. 429 Washington street. 1 story frame; owned by Mrs. G. H. Cramer; occupied by W. J. Jacobsen, plumbing shop; cause of fire, adjoining fire; loss, \$1,465.00; insurance, \$400.00.

August 12—11:55 P. M. Box 63.

No. 427 Washington street. 1 story frame; owned by Mrs. G. H. Cramer; occupied by M. Karmel, carpenter shop; cause of fire, adjoining fire; loss, \$1,500.00; insurance, \$200.00.

August 12—11:55 P. M. Box 63.

No. 425 Washington street. 2½ story frame; owned by William Pfunder, residence, florist; cause of fire, adjoining fire; loss, \$3,533.00; insurance paid, \$4,500.00.

August 12—11:55 P. M. Box 63.

No. 110 Twelfth street. 1 story frame; owned by G. H. Fries; occupied by C. Barenstaden, residence; cause of fire, adjoining fire; loss, \$475.00; insurance, \$800.00.

August 22—1:20 P. M. Box 12.

No. 213, Morrison street. 3 story frame; owned by Mrs. E. M. Smith; occupied by Mrs. J. Robb, lodging house; cause of fire, sparks from chimney; loss, \$96.00; insurance, \$2,000.00.

August 22—3:10 P. M. Box 145.

No. 15 Kearney street. Tar vat burning; no loss.

August 29—10:05 P. M. Still alarm.

Hancock and Williams avenue. Rubbish afire; no loss.

September 2—10:55 A. M. Box 69.

Nineteenth and Vaughn streets. 3 story frame; owned by Hand Mfg. Co. planing mill; no loss; cause of fire, dry kiln.

September 2. Box 57.

No. 194 Lowndale street. 2 story frame; owned by D. Macleay; occupied by H. Ackerman, residence; cause of fire, gas jet; loss, \$897.50; insurance, \$6,200.00.

September 4—10:35 P. M. Box 35.

No. 494 Market street. 1 story frame; owned by J. Green; occupied by J. Hahn, residence; cause of fire, overturned coal oil lamp; loss, \$55.00; insurance, \$400.00.

September 8—9 P. M. Still alarm.

No. 887 Gaines and Corbett streets. 3 story frame; owned by Ladies' Relief Society; occupied by Orphans' Home building; cause of fire, burning flue; no loss.

September 9—1:15 A. M. Still alarm.

No. 267 East Thirty-seventh street. 2 story dwelling; owned by Mrs. Bruner, her residence; cause of fire, chimney afire; no loss.

September 16—6:05 P. M. Box 15.

No. 103 North Front street. 3 story brick; owned by Dekum estate; occupied by Carlos Una, notion store; cause of fire, unknown; loss, \$13,114.75; insurance, \$29,000.00; insurance paid, \$13,114.75.

September 16—7:30 P. M. Box 39.

No. 545 Front street. 2 story dwelling; owned by Thomas Guinean; occupied by Mrs. Lunkin, dwelling; cause of fire, unknown; loss, \$728.80; insurance, \$800.00; insurance paid, \$728.90.

September 18—6 P. M. Still alarm.

No. 55 North Twenty-first street. 2 story frame; owned by William Sherlock; occupied by E. F. Davis, residence; cause of fire, burning chimney; no loss.

September 18—12:05 P. M. Box 315.

False alarm.

September 21—8:25 P. M. Box 46.

Nineteenth and Couch streets. 3 story frame, Bishop Scott Academy; cause of fire, gas jet; no loss; insurance paid, \$5.00.

September 26—11:05 A. M. Box 12.

No. 181 First street. 3 story brick; owned by Tyler Woodard; occupied by John Dellon, shoe store; cause of fire, defective flue; no loss.

October 4—5:10 A. M. Box 152.

Belmont and Water streets. Three 1 story frame, one 1½ story frame; owned by Shannon; occupied by Ventilated Barrel Co.; cause of fire, unknown; loss, \$4,000.00; no insurance.

October 4—5:10 A. M. Box 152.

Belmont and Water streets. Wharf owned by Russell & Blyeth; cause of fire, unknown; loss, \$1,800.00; no insurance.

October 4—5:10 A. M. Box 152.

Belmont and Water streets. Wharf; owned by Russell & Blyeth; occupied by Vancouver Street Railway Co., storehouse; cause of fire, unknown; loss, \$5,000.00; no insurance.

October 5—2:40 A. M. Box 71.

No. 772 Hood street. 1 story frame; owned by Blaker & Graham; occupied by B. Goldenburg, grist mill; cause of fire, unknown; loss, \$85.00; insurance, \$200.00.

October 5—5:15 P. M. Still alarm.

No. 504½ Washington street. 2 story frame; owned by Charles Smith, dwelling; cause of fire, lamp explosion; no loss.

October 6—12:15 A. M. Box 56.

No. 258 Eleventh street. 2 story frame; owned by W. J. Corcoran, his residence; cause of fire, unknown; loss, \$167.00; insurance, \$2,400.00.

October 11—5:15 P. M. Still alarm.

No. 49 Fourteenth street. 1 story frame; owned by J. R. Foster; occupied by P. F. Dunn, residence; cause of fire, unknown; no loss.

October 13—11:55 A. M. Box 49.

No. 23 Lovejoy street. 3 story frame, Bishop Scott Academy, medical college; cause of fire, overheated incubator; loss, \$189.25; insurance, \$7,000.00.

October 14—11:00 A. M. Box 234.

195 East Seventh street. One double 2 story frame; owned by J. Kenworthy; occupied by Mrs. Fisher, residence; cause of fire, sparks from chimney; loss, \$5.00; insurance, \$3,400.00.

October 18—8:45 P. M. Box 126.

No. 270½ Front street. 3 story frame; owned by Van B. DeLashmutt; occupied by Mrs. Zigler, lodging house; cause of fire, lamp explosion; loss, \$50.00; no insurance.

October 18—9 P. M. Still alarm.

No. 470 Hoyt street. 1 story frame; owned by Margaret Lowery, her residence; cause of fire, burning chimney; no loss.

October 21—7:00 P. M. Box 142.

No. 28½ Third street. 2 story frame; owned by Johnson & Peterson; occupied by Ed. Lorine, barber shop; cause of fire, lamp explosion; no loss.

October 22—11:45 P. M. Box 54.

Corner Third and Ankeny streets. 2 story frame; owned by Mrs. J. Burke; occupied by John Barry, saloon; cause of fire, defective chimney; loss, \$25.00; insurance, \$600.00.

October 24—12 M. Still alarm.

No. 408 Fourth street. 2 story frame; owned by Mrs. Schloth; occupied by F. Hacheny, residence; cause of fire, burning flue; no loss.

October 26—7:40 P. M. Still alarm.

Corner East Park and Washington streets. 2 story frame; owned by Fleischner estate; occupied by D. E. Curt, drug store; cause of fire, burning flue; no loss.

October 26—6 P. M. Still alarm.

East Park and Washington streets. No loss.

October 31—6:10 P. M. Box 329.

Corner Thirteenth and Weidler streets. 2 story frame; owned by C. Minsinger, residence; cause of fire, burning flue; no loss.

October 31—10:50 P. M. Box 63.

No. 25 Washington street. 2 story frame; owned by M. B. Baxter; occupied by E. J. Green, residence; cause of fire, burning flue; no loss.

November 10—3:40 P. M. Still alarm.

No. 335 Fifth street. 2 story frame; owned by W. Pennell; occupied by M. Wright, residence; cause of fire, burning flue; no loss.

November 13—10:20 P. M. Box 318.

No. 302 San Rafael street. 2 story frame; owned by Mrs. R. Leary; occupied by Mrs. Connelly, residence; cause of fire, burning flue; no loss.

November 15—11:20 P. M. Still alarm.

No. 349 Oak street. 2 story frame; owned by A. Beck; occupied by A. Kauffman, residence; cause of fire, burning flue; no loss.

November 16—1:10 A. M. Still alarm.

Corner Grand avenue and Burnside street. Telephone switch; property of Columbia Telephone Co.; fallen wire; no loss.

November 16—9:45 P. M. Box 142.

No. 50 Front street. 3 story brick; owned by Ainsworth estate; occupied by the Portland Cracker Co., factory; cause of fire, defective oven; loss, \$12,500.00; insurance, \$20,300.00.

November 17—7:50 P. M. Box 7.

No. 341 Columbia street. 2 story frame; owned by Mrs. W. S. Ladd; occupied by A. Wagner, stable; cause of fire, defective flue; no loss.

November 18—4 A. M. Box 319.

Eugene street. 2 story frame; owned by J. Roberts, his residence; cause of fire, overheated stove; loss, \$189.50; insurance, \$1,500.00.

November 18—1:40 P. M. Still alarm.

No. 229 Columbia street. 2 story frame; owned by Meade estate; occupied by G. DeLuces, residence; cause of fire, defective flue; loss, \$10.00; insurance, \$1,250.00.

November 20—10:30 A. M. Box 52.

Fifth and Madison streets. Shed; owned by J. Kamm; occupied by Portland Asphalt Co.; tar kettle burning; no loss.

November 26—9:30 P. M. Box 258.

Caruthers and Grand avenue. 1 story frame; Inman, Paulson & Co., saw mill; cause of fire, not known; loss, \$38,000.00; insurance, \$80,000.00.

November 27—12:35 P. M. Still alarm.

No. 313 Fifth street. 2 story frame; owned by F. E. Beach; occupied by Mrs. Peak, residence; cause of fire, defective flue; loss, \$4.00; insurance, \$500.00.

November 28—10:55 A. M. Box 13.

No. 246½ Alder street. 2 story brick; owned by Lin Yuen Co., their store; cause of fire, falling stove; loss, \$85.00; insurance, \$1,000.00.

November 28—5:40 P. M. Box 27.

No. 214 Morrison street. 1½ story frame; owned by H. G. Whitehurst; occupied by H. S. Holmes, residence; cause of fire, defective flue; loss, \$136.00; insurance, \$1,700.00.

November 28—6:30 P. M. Still alarm.

No. 382 Seventh street. 1½ story frame; owned by H. Hamilton, his residence; cause of fire, defective flue; no loss.

November 29—5:00 P. M. Still alarm.

No. 290 Columbia street. 2 story frame; owned by Meade estate; occupied by J. Kiernan, residence; cause of fire, chimney burning; no loss.

November 29—1:45 P. M. Still alarm.

No. 190 Madison street. 4 story brick; owned by Van B. DeLashmunt; occupied by Donnel & Co., commission store; cause of fire, unknown; no loss.

November 29—2:15 P. M. Still alarm.

No. 45 Union avenue. 1½ story frame; owned by Frank Bode; occupied by Schmeer & Co., baker shop; cause of fire, defective flue; no loss.

November 29—6:30 P. M. Still alarm.

Union avenue and East Couch street. 1½ story frame; owned by Struble estate; occupied by Mrs. M. H. Cochran, residence; cause of fire, defective flue; no loss.

November 30—6:05 A. M. Box 321.

No. 800 Montana avenue. 1 story frame; owned by T. Langford, his residence; cause of fire, defective flue; loss, \$700.00; no insurance.

December 1—10:10 A. M. Still alarm.

No. 265 Salmon street. 2 story frame; owned by M. C. Lyon; occupied by F. Vawercher, residence; cause of fire, burning flue; no loss.

December 1—10:15 A. M.

False alarm. Electric wire; Third and Stark.

December 1—10:45 A. M.

False alarm. Electric wire; Fifth and Washington streets.

December 1—1:45 A. M. Still alarm.

Corner Second and Burnside streets. 2 story frame; owned by A. Erickson, his saloon; cause of fire, defective furnace; no loss.

December 8—11:00 A. M. Still alarm.

No. 200 Eighth street. 2 story frame; owned by M. P. Soder; occupied by J. Thum, residence; cause of fire, defective flue; no loss.

December 9—7:30 A. M. Still alarm.

No. 189 Seventh street. 2 story frame; owned by M. P. Soder; occupied by J. Thum, residence; cause of fire, defective flue; loss, \$34.00; insurance, \$1,350.00.

December 9—3:40 P. M. Box 73.

McAdam road. 2 story frame; Zimmerman Packing Co. establishment; cause of fire, sparks from smoke stack; loss, \$990.00; insurance, \$15,000.00.

December 13—9:45 A. M. Box 12.

No. 230 Morrison street. 2 story brick; owned by J. F. Ghisland; occupied by Andrew Kan Co., Japanese store; cause of fire, electric light wire; no loss.

December 15—5:30 A. M. Box 14.

Nos. 60 and 62 Second street. 3 story brick; owned by L. Brooke estate; occupied by Hop Chung Lung Kee Co., store and restaurant; cause of fire, cooking range; loss, \$8,000.00; insurance, \$14,000.00.

December 15—4:00 P. M. Still alarm.

Corner Grand avenue and Alder street. Tar barrel burning in street.

December 17—3:40 A. M. Box 28.

No. 66 North Nineteenth street. 2 story frame; owned by R. W. Gillette; occupied by Mrs. H. Labell, residence; cause of fire, sparks from grate; loss, \$900.00; insurance, \$2,000.00.

December 19—1:45 P. M. Box 317.

No. 326 East First street. 1 story frame; owned by S. Farrell; occupied by C. L. Mastick, residence; cause of fire, defective flue; loss, \$750.00; insurance, \$4,000.00.

December 21—11:05 A. M. Still alarm.

Tar kettle burning in Market street.

December 21—10:05 A. M. Still alarm.

No. 310 Pine street. 1 story frame; owned by Otto Petersen, his residence; cause of fire, burning chimney; no loss.

December 22—5:00 P. M. Box 21.

No. 275 Morrison street. 3 story brick; owned by Phil Blumauer, his drug store; cause of fire, defective chimney; loss, \$278.75; insurance, \$20,000.00.

December 23—3:10 P. M. Telephone call.

No. 265 Sixth street. 2 story frame; owned by James Steel, his residence; burning flue; no loss; insurance, \$10,300.00.

December 26—9:15 P. M. Box 7.

No. 273½ Seventh street. 2 story frame; owned by W. Magoon; occupied by E. Fry, residence; cause of fire, incendiary; loss, \$15.00; no insurance.

December 26—8:10 A. M. Still alarm.

No. 145 Sixteenth street. 2 story frame; owned by J. Hoyt, his residence; false alarm.

December 29—10:00 A. M. Box 7.

No. 347 Jefferson street. 2 story frame; owned by W. Magoon; vacant residence; cause of fire, incendiary; loss, \$5.00; no insurance.

December 29—9:55 P. M. Telephone call.

No. 221 Twelfth street. Hot house; owned by J. A. Malarkey; occupied by Mrs. M. E. Holmes; cause of fire, sparks from fire; no loss.

December 31—2:10 P. M. Telephone call.

No. 666 Johnson street. 1½ story frame; owned by A. Rogge, his residence; cause of fire, lighted candle on Christmas tree; loss, \$70.00; insurance, \$3,400.00.

ANNUAL REPORT OF ENGINE COMPANY NO. 1, FOR 1896.

LOCATION—170 Fourth Street.

No. of Badge	Name	Position	Age	Occupation	Residence
3	C. C. Dobelbower	Foreman	41	Carpenter	Engine House
4	C. O'Brien	Engineer	49	Engineer	Engine House
5	J. V. Yane	Engine Driver	29	Teamster	Engine House
6	A. H. Mundorf	Extraman	23	Teamster	Engine House
7	F. McNamara	Extraman	23	Plumber	Engine House
8	Charles May	Extraman	23	Painter	Engine House
9	J. Lyons	Extraman	22	Brickman	Engine House
10	Charles Carr	Extraman	26	Locomotive Fireman	Engine House
11	H. Bolton	Extraman	27	Law Student	Engine House
12	George Herrall	Extraman	34	Engineer	Engine House

Number of alarms responded to: Bell, 140. Telephone, 12. Still, 6. Number of hours in service, 96.50.

Inventory—1 second class Clap & Jones' engine, fully equipped; 1 2-horse hose wagon, fully equipped; 4 horses, 2 sets double harness, 2,000 feet cotton hose.

ANNUAL REPORT OF ENGINE COMPANY NO. 3, FOR 1896.

LOCATION—510 Washington Street.

No. of Badge	Name	Position	Age	Occupation	Residence
23	L. Cove.....	Foreman.....	39	Fireman.....	Engine House.....
24	William Wascher..	Engineer.....	63	Fireman.....	Engine House.....
25	J. Frailey.....	Engine Driver.....	37	Fireman.....	Engine House.....
26	J. Hannan.....	Hose Driver.....	29	Teamster.....	Engine House.....
30	Seth Weller.....	Extraman.....	31	Tinner.....	Engine House.....
18	George Connolly...	Extraman.....	30	Plasterer.....	Engine House.....
34	D. Mulcahey.....	Extraman.....	40	Fireman.....	Engine House.....
21	L. Favero.....	Extraman.....	45	Engineer.....	Engine House.....
27	H. Wolfkin.....	Extraman.....	34	Laborer.....	Engine House.....
28	P. Spies.....	Extraman.....	32		

Number of alarms responded to: Bell, 58. Still, 2. Telephone, 8. Number of hours in service, 72:25.

Inventory—1 fourth-class Silsby engine, good condition; 1 fifth-class Silsby engine, good condition; 1 hose cart, fully equipped; 3 horses and harness; 800 feet rubber hose, doubtful condition.

ANNUAL REPORT OF ENGINE COMPANY NO. 4, FOR 1896.

LOCATION—Fourth Street, between Mill and Montgomery.

No. of Badge	Name	Position	Age	Occupation	Residence
33	Ben Green.....	Foreman.....	23	Printer.....	Engine House.....
34	H. W. Kretzer.....	Engineer.....	35	Butcher.....	Engine House.....
35	W. L. Keller.....	Engine Driver.....	37	Teamster.....	Engine House.....
36	Geo. Hoffman.....	Hose Driver.....	42	Trimmer.....	Engine House.....
37	J. A. Ryan.....	Extraman.....	31	Surveyor.....	Engine House.....
38	O. T. Harkins.....	Extraman.....	32	Salesman.....	Engine House.....
39	William Scheeland.	Extraman.....	31	Bookkeeper.....	Engine House.....
40	F. T. Bourgeois...	Extraman.....	28	Cabinet Maker.....	Engine House.....
41	C. W. Ryan.....	Extraman.....	36	Teamster.....	Engine House.....
42	J. M. Cremie.....	Extraman.....	29		

Number of alarms responded to: Bell, 77. Still, 6. Telephone, 3. Number of hours in service, 94:15.

Inventory—I third-class Clapp & Jones' engine, fully equipped. 1 two-wheeled hose cart; 900 feet rubber hose; 3 horses and harness.

ANNUAL REPORT OF ENGINE COMPANY NO. 5, FOR 1896.

LOCATION—811 Front Street.

No. of Badge	Name	Position	Age	Occupation	Residence
79	A. C. Cook.....	Foreman.....	35	Upholsterer.....	No. 572 First.....
80	P. Griffin.....	Engineer.....	43	Engineer.....	Engine House.....
81	J. T. Schneider.....	Engine Driver.....	24	Teamster.....	Engine House.....
82	C. A. Chamberlain.....	Hose Driver.....	42	Teamster.....	Engine House.....
83	J. K. Carr.....	Extraman.....	30	Cigar Maker.....	Engine House.....
84	R. J. Jones.....	Extraman.....	41	Carpet Cleaner.....	Engine House.....
85	A. Nowvall.....	Extraman.....	25	Undertaker.....	Engine House.....
86	E. Bracket.....	Extraman.....	28	Laborer.....	Engine House.....
87	C. H. Carter.....	Extraman.....	25	Brickmason.....	Engine House.....
88	John Baker.....	Extraman.....	21	Carpenter.....	Engine House.....

Number of alarms responded to: Bell, 30. Still, 3. Number of hours in service, 38.

Inventory—1 fourth-class Amoskeag engine; 1 four-wheel hose wagon; 900 feet rubber hose; four horses and harness.

ANNUAL REPORT OF ENGINE COMPANY NO. 7, FOR 1896.

LOCATION—40 East Third Street.

No. of Badge	Name	Position	Age	Occupation	Residence
109	H. R. Linville.....	Foreman.....	27	Merchant.....	No. 111 Grand avenue..
110	H. Chrisman.....	Engineer.....	35	Engineer.....	Engine House.....
111	W. Siefarth.....	Engine Driver.....	35	Teamster.....	Engine House.....
112	C. Lawrence.....	Hose Driver.....	45	Teamster.....	Engine House.....
118	G. R. Matthews.....	Extraman.....	46	Carpenter.....	Engine House.....
115	A. J. Powell.....	Extraman.....	28	Barber.....	Engine House.....
117	A. H. Metcalf.....	Extraman.....	36	Expressman.....	7th and East Davis.....
139	W. T. Bennett.....	Extraman.....	26	Laborer.....	Engine House.....
17	P. Foline.....	Extraman.....	33	Laborer.....	Engine House.....
113	F. A. Robinson.....	Extraman.....	31	Machinist.....	Engine House.....

Number of alarms responded to: Bell, 27. Still, 10. Number of hours in service, 58:40.

Inventory—1 fourth-class Watron's engine; 1 hose wagon, fully equipped; 2,000 feet cotton hose; 1 four-wheel hose wagon, in reserve; 4 horses and harness; 1 third-class Hayes' truck.

ANNUAL REPORT OF ENGINE COMPANY NO. 8, FOR 1896.

LOCATION—Williams Avenue and Russell Street.

No. of Badge	Name	Position	Age	Occupation	Residence
119	J. J. Kearns.....	Foreman.....	36	Shoemaker.....	Stanton Street.....
120	J. J. Ryan.....	Engineer.....	51	Boilermaker.....	Engine House.....
121	P. L. Wisor.....	Engine Driver.....	42	Carpenter.....	Engine House.....
122	H. St. Clair.....	Hose Driver.....	31	Pressman.....	Engine House.....
123	H. Schade.....	Extraman.....	26	Plumber.....	Engine House.....
124	E. Fitzgibbons.....	Extraman.....	28	Machinist.....	Engine House.....
125	C. C. Estes.....	Extraman.....	26	Clerk.....	Engine House.....
126	E. Pietzker.....	Extraman.....	28	Molder.....	Engine House.....
127	Wm. Massman.....	Extraman.....	24	Molder.....	Engine House.....
128	J. Edmisson.....	Extraman.....	41	Carpenter.....	Engine House.....

Number of alarms responded to: Bell, 10; Still, 5. Number of hours in service, 14:6.

Inventory—1 fifth-class Clapp & Jones' engine; 1 hose wagon; 1,000 feet rubber hose; 4 horses and harness; 1 second-class Amoskeag engine; 2 Babcocks.

ANNUAL REPORT OF HOSE COMPANY NO. 1, FOR 1896.

LOCATION—245 Everett Street.

No. of Badge	Name	Position	Age	Occupation	Residence
53	H. J. White.....	Foreman.....	34	Fireman.....	Hose House.....
54	J. J. Kearney.....	Driver.....	47	Fireman.....	Hose House.....
55	M. O'Brien.....	Extraman.....	23	Teamster.....	Hose House.....
56	M. Youngferdorf...	Extraman.....	27	Teamster.....	Hose House.....
57	F. Dascomb.....	Extraman.....	32	Steamfitter.....	Hose House.....
58	J. O'Connor.....	Extraman.....	30	Trimmer.....	331 Ankney.....
59	T. Gordon.....	Extraman.....	27	Teamster.....	Hose House.....
60	T. O'Day.....	Extraman.....	27	Molder.....	Hose House.....

Number of alarms responded to: Bell, 114. Still, 9. Telephone, 8. Number of hours in service, 121:45.

Inventory—1 four-wheel hose carriage; 2 horses; double set harness; 900 feet of rubber hose.

ANNUAL REPORT OF HOSE COMPANY NO. 2, FOR 1896.

LOCATION—First Street, between Madison and Jefferson.

No. of Badge	Name	Position	Age	Occupation	Residence
61	W. R. Kerrigan.....	Foreman.....	33	Stonemason.....	Hose House.....
62	J. W. Smith.....	Driver.....	37	Teamster.....	Hose House.....
63	Frank Gray.....	Extraman.....	31	Cabinet Maker.....	Hose House.....
64	Thos. Collius.....	Extraman.....	31	Carpenter.....	Hose House.....
65	J. F. McCullough.....	Extraman.....	30	Light Trimmer.....	Hose House.....
66	B. Hohenleitner.....	Extraman.....	26	Teamster.....	Hose House.....
67	Owen McCarron.....	Extraman.....	46	Shoemaker.....	Hose House.....
68	Dud Evans.....	Extraman.....	22	Porter.....	Hose House.....

Number of alarms responded to: Bell, 75. Telephone, 10. Still, 3. Number of hours in service, 90:30.

Inventory—1 four-wheel hose wagon; 2 horses and harness; 1,900 feet of cotton hose.

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ANNUAL REPORT OF HOSE COMPANY NO. 3, FOR 1896.

LOCATION—East Seventh Street, between Harrison and Stephens Streets.

No. of Badge	Name	Position	Age	Occupation	Residence
129	E. Oliver.....	Foreman.....	30	Planerman.....	Hose House.....
130	Thos. McLale.....	Driver.....	..	Teamster.....	Hose House.....
134	L. J. Gardner.....	Extraman.....	31	Trimmer.....	No. 363 East Seventh.....
133	Otter Peck.....	Extraman.....	..	Plumber.....	Hose House.....
135	Ed. Ginty.....	Extraman.....	..	Teamster.....	Hose House.....
136	J. Hart.....	Extraman.....	..	Lather.....	Hose House.....
147	J. W. Harrigan.....	Extraman.....	..	Molder.....	Hose House.....
161	A. Clift.....	Extraman.....	..	Lather.....	Hose House.....

Number of alarms responded to: Bell, 28. Still, 3. Telephons, 1. Number of hours in service, 34:5.

Inventory—I Amoskeag hose carriage, fully equipped; 2 horses and harness; 1,400 feet cotton hose; 2 Babcocks.

BOARD OF FIRE COMMISSIONERS' REPORT.

ANNUAL REPORT OF HOSE COMPANY NO. 5, FOR 1896.

LOCATION—East Yamhill and East Thirty-fourth Streets.

No. of Badge	Name	Position	Age	Occupation	Residence
131	Chas Strauss.....	Driver.....	28	Teamster.....	Hose House.....
114	F. J. Haettinger...	Foreman.....	27	Brushmaker.....	Hose House.....

Number of alarms responded to: Still, 7. Number of hours at work, 6.

Inventory—1 four-wheel reel hose wagon; 2 horses and harness; 750 feet rubber hose; 2 Babcocks.

ANNUAL REPORT OF HOSE COMPANY NO. 6, FOR 1896.

LOCATION—Twentieth Street, between Quimby and Raleigh.

No. of Badge	Name	Position	Age	Occupation	Residence
89	John Gotthardt....	Foreman.....	37	Engineer.....	No. 666 Raleigh Street....
90	T. J. Sherlock.....	Driver.....	23	Teamster.....	Hose House.....
93	M. McNulty.....	Extraman.....	34	Plasterer.....	Hose House.....
98	Theo. Habekost....	Extraman.....	34	Florist.....	No. 731 Overton.....
94	Thos. Malone.....	Extraman.....	35	Miner.....	Hose House.....
97	J. E. Jones.....	Extraman.....	26	Glazier.....	Hose House.....
91	C. E. Whittlesey...	Extraman.....	22	Laborer.....	Hose House.....
143	W. Edwards.....	Extraman.....	36	Porter.....	No. 327 Twentieth Street.

Number of alarms responded to: Bell, 23. Still, 5. Number of hours in service, 69:45.

Inventory—1 hose wagon, complete; 2 horses and harness; 1,600 feet cotton hose.

ANNUAL REPORT OF CHEMICAL ENGINE COMPANY NO. 1, FOR 1896.

LOCATION—No. 69 Second Street, between Oak and Pine.

No. of Badge	Name	Position	Age	Occupation	Residence
150	Joseph Meagher....	Foreman.....	65	Cabinet Maker.....	Engine House.....
151	Thomas Springer..	Driver.....	38	Treamster.....	Engine House.....
152	John O'Day.....	Pipeman.....	23	Butcher.....	Engine House.....

Number of alarms responded to: Bell, 55. Telephone, 13. Still, 13. Number of hours in service, 60:50.

Inventory—1 No. 3½ Champion Chemical, double, 60 gallons, fully equipped; 2 horses and harness, all in good condition; 1 second-class Amoskeag engine, old.

ANNUAL REPORT OF CHEMICAL ENGINE NO. 2, FOR 1896.

LOCATION—273 First, between Madison and Jefferson Streets.

No. of Badge	Name	Position	Age	Occupation	Residence
153	P. Manciet.....	Foreman.....	32	Tinsmith.....	Engine House.....
155	C. D. Smith.....	Driver.....	24	Teamster.....	Engine House.....
154	C. Evans.....	Pipeman.....	25	Painter.....	Engine House.....

Number of alarms responded to: Bell, 64. Telephone, 13. Still, 5. Number of hours in service, 49:10.

Inventory—1 No. 3½ Champion double tank Chemical, 60 gallons each, fully equipped; 2 horses and harness, good condition.

ANNUAL REPORT OF CHEMICAL ENGINE COMPANY NO. 3, FOR 1896.

LOCATION—227 Union Avenue, North.

No. of Badge	Name	Position	Age	Occupation	Residence
146	M. D. George.....	Foreman.....	35	Blacksmith.....	Engine House.....
148	J. Freeman.....	Driver.....	26	Teamster.....	Engine House.....
149	J. Barry.....	Pipeman.....	38	Laborer.....	Engine House.....

Number of alarms responded to: Bell, 31. Telephone and Still, 8. Number of hours in service, 35:30.

Inventory—1 Chemical engine complete, except lanterns and bar; 2 horses and harness.

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ANNUAL REPORT OF HOOK AND LADDER COMPANY NO 1, FOR 1896.

LOCATION—168 Fourth Street.

No. of Badge	Name	Position	Age	Occupation	Residence
43	J. P. White.....	Foreman.....	30	Lineman.....	No. 63 North 6th.....
44	D. B. Fuller.....	Driver.....	35	Teamster.....	Truck House.....
45	C. Smith.....	Extramán.....	33	Lineman.....	No. 408 Fifth.....
46	J. Hyde.....	Extramán.....	21	Teamster.....	Truck House.....
47	H. Youngerdorf....	Extramán.....	26	Carpenter.....	Truck House.....
48	H. Hyde.....	Extramán.....	23	Teamster.....	Truck House.....
49	J. Willins.....	Extramán.....	40	Carpenter.....	Truck House.....
50	A. Anderson.....	Extramán.....	25	Carpenter.....	Truck House.....
51	W. Herman.....	Extramán.....	29	Teamster.....	No. 191 Fourth.....
52	A. Monk.....	Extramán.....	30	Bookkeeper.....	Truck House.....

Number of alarms responded to: Bell, 44. Still, 7. Telephone, 13. Number of hours in service, 72.

Inventory—1 first-class Hayes' truck, fully equipped; 3 horses and harness.

BOARD OF FIRE COMMISSIONERS' REPORT.

LOCATION—Fourth, between Montgomery and Mill Streets.

No. of Badge	Name	Position	Age	Occupation	Residence
69	A. E. Nisonger.....	Foreman.....	39	Planerman.....	Truck House.....
70	O. F. Hussey.....	Driver.....	42	Teamster.....	Truck House.....
71	Wm. McMahon.....	Extraman.....	36	Laborer.....	Truck House.....
72	P. J. Nemes.....	Extraman.....	31	Teamster.....	Truck House.....
73	E. McPherson.....	Extraman.....	31	Salesman.....	No. 295 Montgomery.....
74	J. D. McIvor.....	Extraman.....	32	Clerk.....	No. 274 Montgomery.....
75	H. H. Morse.....	Extraman.....	30	Teamster.....	No. 265 Clay.....
76	J. Fraser.....	Extraman.....	27	Teamster.....	Truck House.....
77	M. Thornton.....	Extraman.....	27	Electrician.....	Truck House.....
78	A. E. Laltenberger.....	Extraman.....	34	Engineer.....	Truck House.....

Number of alarms responded to: Bell, 58. Still, 9. Telephone, 3. Number of hours in service, 58.

Inventory—1 second-class Hayes' extension truck, fully equipped; 3 horses and harness.

ANNUAL REPORT OF HOOK AND LADDER COMPANY NO. 3, FOR 1896.

LOCATION—Glisan Street, between Fourteenth and Fifteenth Streets.

No. of Badge	Name	Position	Age	Occupation	Residence
99	L. W. Malony.....	Foreman.....	44	Mill hand.....	Truck House.....
100	T. J. Mountain.....	Driver.....	42	Teamster.....	Truck House.....
108	R. Collins.....	Extraman.....	36	Lineman.....	12th and Glisan Streets..
104	H. McClincy.....	Extraman.....	27	Brickmason.....	Truck House.....
106	I. Denery.....	Extraman.....	43	Teamster.....	Truck House.....
103	P. W. Taggart.....	Extraman.....	48	Carpenter.....	15th and Glisan Streets...
101	Dan Reardon.....	Extraman.....	26	Metal-worker.....	Truck House.....
102	G. W. Jolly.....	Extraman.....	31	Teamster.....	Truck House.....
105	J. DeLaine.....	Extraman.....	24	Plumber.....	Truck House.....
107	J. J. Kennealy.....	Extraman.....	50	Lawyer.....	15th and Irving Streets..

Number of alarms responded to: Bell, 53. Still, 8. Telephone, 1. Number of hours in service, 61:40.

Inventory—1 third-class Hayes' truck, fully equipped; 2 horses and harness.

LOCATION—Holladay Avenue, between Union and Grand Avenues.

No. of Badge	Name	Position	Age	Occupation	Residence
145	E. Cavanaugh	Foreman	27	Roofer	Truck House
146	J. Donough	Driver	27	Teamster	Truck House
149	G. Bailey	Extraman	29	Surveyor	Truck House
150	R. Gee	Extraman	34	Carpenter	Truck House
152	H. Donnerberg	Extraman	30	Plumber	Truck House
153	H. Griffith	Extraman	28	Salesman	Truck House
154	S. DeBoest	Extraman	22	Clerk	Truck House
147	C. Clarke	Extraman	61	Teamster	Truck House
155	J. Griffin	Extraman	26	Teamster	Truck House
164	J. Parrott	Extraman	23	Clerk	Truck House

Number of alarms responded to: Bell, 38. Still, 4. Number of hours in service, 51:45.

Inventory—1 third-class Hayes' truck, fully equipped; 3 horses and harness.

CORPORATION YARD KEEPER'S REPORT

H. GURR, Assistant Chief Engineer,
Corporation Yard Keeper.

INVENTORY.

One second-class Silsby engine, fair condition; 2 fourth-class Silsby engines, worthless; 2 two-wheel hose carts, fair condition; 11 galvanized iron horse collars; 2 leather horse collars, old style; 1 three-inch cellar nozzle; 20 feet Silsby engine suction hose, worthless; 24 feet Amoskeag suction hose, worthless; 170 feet 1x12 second grade fir lumber; 1 hub wrench; 1 hand pole for truck; 1 fire hook and chain; 1 iron hand tongue; 2 pair iron lined doors; 4,000 cedar shingles; 1 Hayes truck pole; 2 engine poles; 3 hangers, old style; 2 side lights, worthless; 23 Watrous fire hydrants; 12 sacks cannel coal; 4 hose cart wheels; 2 Clapp & Jones engine wheels, not very good; 4 old truck tires; 1 cylinder for heater; 1 hand forge, worthless; 1 set of Clapp & Jones boiler tubes, worthless; 3 cistern covers; 2 axles for hose wagon; 300 pounds scrap iron; 1 six-inch elbow for hydrant; 4 joints terra cotta pipe, six inch; 1 set cedar doors; 4 single doors; 3 circular transoms; 1 old window; 2 iron brackets; 1 pair shafts, no good; 1 pair shafts, new; 1 set buggy springs; 1 neck yoke; 3 broken hydrants; 3 chairs, broken; 1 brass suction basket; 1 frame for windlass; 1 iron wheel floor guide; 10 pounds wire shingle nails; 2 iron hose supporters.

STORE ROOM AT HEADQUARTERS.

Four headlight lamps; 2 window blinds; 1 small canvas cover; 2 dozen cast iron ferrules; 14 rubber valves for hydrants; 7 Clapp & Jones rubber piston rings; 28 pump valves, rubber; 1 box of hydrant gaskets, rubber; 14 pump leathers; 2 dozen washers; 2 coil hemp packing, square; 19 lamp wicks; 16 lantern globes; 4 Rochester lamp wicks; 6 acid tank glass ferrules; 2 brackets for Rochester lamp; 1 set of door springs and hinges; 7 lignum vita blocks; 4 pipe taps; 5 hand hooks; 3 bracket hangers; 1 hand lantern; 1 ceiling hanger; 10 nozzle tips; 4 single-trees; 5 engine springs; 86 copper boiler tubes; 5 rubber valves; 8 hanger springs; 3 pulley blocks; 1 rope reel; 1 gas chandelier; 8 old lanterns; 2 suction baskets; 1 lamp shade; 1 harness hanger; 1 door, glass; 2 Babcocks; lot of old harness, valueless; 1 door; 2 gate keys; 1 brass pipe; 1 paint brush; 1 hoe; 1 brass suction connection; 1 step ladder; 1 tool chest; 2 saws; 1 level; 1 square; 1 hose expander; 1 hose tester; 2 shovels; 2 picks; 1 crow bar; 1 post hole digger; 1 grind stone.

FIRE HYDRANTS.

North of Morrison Street.

Front and Pettygrove, S W cor	Seventh and Flanders, N W cor
Front and Quimby, S W cor	Seventh and Hoyt, N W cor
Front and Raleigh, S W cor	Seventh and Johnson, N W cor
Front and Savier, S W cor	East Park and Alder, N E cor
Front and Thurman, S W cor	*West Park and Washington, S W cor
First and Burnside, S E cor	Park and Burnside, S W cor
First and Upshur, N W cor	Park and Davis, S W cor
Second and Davis, S W cor	Park and Glisan, N E cor
Second and Oak, N W cor	Tenth and Alder, S W cor
Third and Alder, N W cor	Tenth and Morrison, N W cor
Third and Stark, S W cor	Tenth and Johnson, N E cor
Third and Pine, S W cor	Eleventh and Stark, S E cor
*Third and Ankeny, N W cor	Eleventh and Burnside, N W cor
*Third and Burnside, S W cor	Eleventh and Everett, S E cor
*Third and Couch, S W cor	Eleventh and Flanders, N W cor
*Third and Davis, S W cor	Twelfth and Davis, S E cor
*Third and Everett, S W cor	Twelfth and Glisan, S E cor
Third and Oak, S E cor	Twelfth and Lovejoy, S E cor
*Third and Flanders, S W cor	Twelfth and Northrup, S E cor
Fourth and Washington, N E cor	Fourteenth and Alder, S W cor
Fourth and Alder, S E cor	Fourteenth and Washington, N W cor
Fourth and Davis, S W cor	Fourteenth and Savier, S W cor
Fourth and Everett, N E cor	Thirteenth and Flanders, N E cor
Fourth and Glisan, N W cor	Thirteenth and Kearney, N E cor
Fifth and Washington, N E cor	Fourteenth and Davis, S W cor
Fifth and Oak, N E cor	Fourteenth and Johnson, S W cor
Fifth and Ankeny, S E cor	Fourteenth and Overton, S W cor
Fifth and Couch, S E cor	Fourteenth and Quimby, S W cor
Fifth and Hoyt, S E cor	Fifteenth and Flanders, S W cor
Fifth and Flanders, N E cor	Fifteenth and Thurman, S W cor
*Sixth and Alder, N E cor	Sixteenth and Washington, S E cor
Sixth and Stark, S W cor	Sixteenth and Hoyt, N W cor
Sixth and Pine, S W cor	Sixteenth and Kearney, S W cor
Sixth and Couch, N W cor	Sixteenth and Northrup, S W cor
Sixth and Glisan, N W cor	Sixteenth and Pettygrove, N W cor
*Sixth and Irving, N W cor	Sixteenth and Savier, N W cor
Seventh and Davis, S E cor	Seventeenth and Flanders, N W cor
Seventh and Wilson, N W cor	Twenty-second and Northrup, S E cor
Seventeenth and Marshall, N W cor	

*New hydrants.

FIRE HYDRANTS.—Continued.

North of Morrison Street.

Seventeenth and Upshur, N W cor	Twenty-second and Pettygrove, S E cor
Seventeenth and Davis, S W cor	Twenty-second and Savier, S E cor
Eighteenth and Everett, N W cor	Twenty-second and Thurman, S E cor
Eighteenth and Irving, N W cor	Twenty-second and Upshur, N E cor
Eighteenth and Quimby, N E cor	Twenty-second and Wilson, N E cor
Eighteenth and Overton, N E cor	Twenty-second and York, N E cor
Eighteenth and Kearney, N W cor	Twenty-second and Nicolai, N E cor
Eighteenth and Savier, S E cor	*Twenty-third and Washington, N E cor
Nineteenth and Burnside, S E cor	Twenty-third and Flanders, S E cor
Nineteenth and Davis, S E cor	Twenty-third and Glisan, S E cor
Nineteenth and Flanders, S E cor	Twenty-third and Hoyt, S E cor
Nineteenth and Hoyt, S E cor	Twenty-third and Johnson, N E cor
Nineteenth and Johnson, S E cor	Twenty-third and Lovejoy, N E cor
Nineteenth and Irving, S E cor	Twenty-third and Northrup, N W cor
Nineteenth and Lovejoy, S E cor	Twenty-third and Northrup, N W cor
Nineteenth and Northrup, S E cor	Twenty-third and Quimby, N W cor
Nineteenth and Pettygrove, S E cor	Twenty-third and Savier, N W cor
Nineteenth and Raleigh, S E cor	Twenty-fourth and Washington, N W cor
Nineteenth and Thurman, N E cor	Twenty-fourth and Flanders, N E cor
Nineteenth and Upshur, N E cor	Twenty-fourth and Johnson, N E cor
Nineteenth and Wilson, N E 100 feet	Twenty-fourth and Kearney, S W cor
Twentieth and Washington, N E cor	Twenty-fourth and Lovejoy, N W cor
Twentieth and Everett, S E cor	Twenty-fourth and Northrup, N W cor
Twentieth and Irving, S E cor	Twenty-fourth and Pettygrove, N W cor
Twentieth and Kearney, S E cor	Twenty-fourth and Savier, N E cor
Twentieth and Marshall	*Twenty-fifth and Hoyt, St. Vincent Hospital
Twentieth and Quimby, N W cor	Twenty-fifth and Savier, N E cor
Twentieth and Thurman, N W cor	
Twenty-first and Hoyt, S E cor	
Twenty-first and Johnson, S E cor	
Twenty-first and Quimby, N E cor	
Twenty-first and Savier, N E cor	
Twenty-first and Northrup, N W cor	

FIRE HYDRANTS.—Continued.

North of Morrison Street.

Twenty-first and Flanders, S E cor
 Twenty-second and Washington, N E cor
 Twenty-second and Everett, S E cor
 Twenty-second and Glisan, S E cor
 Twenty-second and Irving, S E cor
 Twenty-second and Lovejoy, S E cor
 Twenty-sixth and Savier, N E cor
 Twenty-seventh and Savier, N E cor
 Twenty-seventh and Thurman, N E cor
 Twenty-ninth and Raleigh, N W cor
 King and Wayne, S W cor
 St. Clare and Wayne, S W cor
 *Thirty-fourth and Franklin, N W cor
 N. Front and Hull, N W cor

North Pacific Mill Yard, 8 hydrants.

Total number of hydrants north of Morrison street, 157.

*New hydrants.

South of Morrison Street.

Front and Lincoln, N W cor
 Front and Caruthers, S W cor
 Front and Porter, N W cor
 Front and Gibbs, N E cor
 Front and Curry, N E cor
 Front and Meade, S E cor
 Front and Hamilton, S E cor
 Front and Grant, S E cor
 First and Sheridan, S E cor
 First and Hooker, S E cor
 First and Woods, S E cor
 First and Whittaker, S E cor
 First and Pennoyer, S E cor
 Second and Porter, N E cor
 Second and Lincoln, N W cor
 *Third and Yamhill, S W cor
 *Third and Salmon, S W cor
 *Third and Madison, S W cor
 Third and Clay, N W cor
 Third and Market, S W cor
 Third and Sheridan, N E cor
 Third and Hooker, N E cor
 Fourth, bet. Morrison and Yamhill
 Sixth and Clay, N E cor
 Sixth and Harrison, S W cor
 Sixth and Sherman, S E cor
 Sixth and Sheridan, N E cor
 Seventh and Morrison, S W cor
 Seventh and Market, S E cor
 Seventh and Montgomery, N E cor
 Seventh and Jackson, S E cor
 Seventh and Lincoln, N E cor
 Seventh and Grant, N E cor
 West Park and Morrison, N W cor
 West Park and Yamhill, S E cor
 *West Park and Salmon, N W cor
 *West Park and Jefferson, N W cor
 West Park and Clay, N W cor
 West Park and Mill, S W cor
 West Park and Harrison, S W cor
 West Park and College, S W cor
 Tenth and Salmon, N W cor
 Tenth and Yamhill, S W cor
 Eleventh and Salmon, N W cor
 Twelfth and Jefferson, N W cor
 Thirteenth and Salmon, N W cor
 Thirteenth and Columbia, S E cor

FIRE HYDRANTS.—Continued.

South of Morrison Street.

Fourth and Salmon, N E cor
 *Fourth and Madison, S E cor
 Fourth and Jefferson, N W cor
 Fourth and Harrison, N W cor
 Fourth and Lincoln, N W cor
 Fourth and Sheridan, N W cor
 Fifth and Salmon, S W cor
 Fifth and Main, S E cor
 Fifth and Jefferson, S E cor
 Fifth and Columbia, S E cor
 Fifth and Grant, S W cor
 Sixth and Yamhill, S E cor
 Thirteenth and Montgomery, N W cor
 Fourteenth and Morrison, S W cor
 Fourteenth and Taylor, N W cor
 Fourteenth and Main, S W cor
 Fourteenth and Jefferson, S W cor
 Fourteenth and Clay, N W cor
 Fifteenth and Mill, N W cor
 Fifteenth and Columbia, N W cor
 Fifteenth and Clay, N W cor
 Fifteenth and Market, N W cor

*New hydrants.

Sixteenth and Taylor, S E cor
 Sixteenth and Montgomery, N E cor

Sixteenth and Elizabeth, N E cor
 *Seventeenth and Jefferson, S E cor

Seventeenth and Clay, N E cor
 Twentieth and Spring, N E cor
 Twentieth and Laurel, N W cor
 Twentieth and Jackson, S W cor
 Chapman and Morrison, S E cor
 Chapman and Taylor, N E cor
 Chapman and Main, N W cor
 *Chapman and Madison, N W cor

Chapman and Myrtle, S W cor
 Chapman and Elizabeth, S W cor
 Chapman and Mill, N E cor
 Stout and Main, S W cor
 Stout and Jefferson, N W cor
 King and Park, S W cor
 St. Clare and Park ave., N E cor
 Ford and Main, N E cor
 Macadam and Gaines, N W cor
 Macadam and Bancroft, S E cor
 Macadam and Lowell ave., N E cor

cor

Macadam and Florida
 Macadam and Texas
 Macadam road, bet. Texas and City Limits, 9 hydrants
 Corbett and Porter, N W cor
 Corbett and Gibbs, S E cor
 Corbett and Curry, S E cor
 Corbett and Gaines, S E cor
 Corbett and Abernathy, S E cor
 Corbett and Hamilton ave., S E cor
 Corbett and Lowell ave., S E cor
 Hood and Hall, N E cor
 Hood and Lincoln, N W cor
 Hood and Caruthers, S W cor
 *Hood and Baker, N E cor
 Hood and Meade, S W cor
 Hood and Grover, S E cor
 Hood and Whittaker, S E cor
 Hood and Pennoyer, S E cor
 Water and Columbia, S W cor
 Water and Clay, S W cor
 Water and Mill, N E cor
 Water and Montgomery, N E cor
 Water and Harrison, N E cor
 Water and Grover, S W cor
 Water and Hooker, S W cor
 Macadam and Hamilton ave., N E cor

E cor

FIRE HYDRANTS.—Continued.

South of Morrison Street.

Smith's Saw Mill, 2 hydrants.

Pennoyer's Saw Mill, 2 hydrants.

Total number of hydrants south of Morrison street, 127.

*New hydrants.

Eastern District.

Water and E. Clay, S E cor
 Water and Hawthorne ave., S W cor
 First and E. Clay, S E cor
 First and E. Morrison, N W cor
 *First and E. Washington, S W cor
 First and E. Oak, S E cor
 *First and Holladay ave., S E cor
 *Second and Halsey, N E cor
 Third and E. Mill, N E cor
 Union ave. and Ivon, N E cor
 Union ave. and Caruthers, S W cor
 Paulson Mill and Yards (3)
 Union ave. and E. Clay, S E cor
 Union ave. and E. Morrison, N E cor
 Union ave. and E. Alder, N E cor
 Union ave. and E. Washington, S E cor
 Union ave. and E. Oak, S E cor
 Union ave. and E. Pine, N E cor
 Union ave. and E. Ankeny, N E cor
 Union ave. and E. Couch, S E cor
 Union ave. and E. Davis, N E cor
 Union ave. and E. Glisan, N E cor
 Union ave. and E. Oregon, N E cor (bad)
 Union and Holladay ave., N E cor

Fifth and E. Yamhill, S E cor
 Fifth and E. Morrison, S E cor
 Fifth and E. Washington, S E cor
 Fifth and Broadway, S W cor
 Sixth and Belmont, S W cor
 Sixth and E. Oak, N E cor
 Sixth and E. Pine, S W cor
 Sixth and E. Ankeny, S E cor
 Seventh and E. Grant, S E cor
 Seventh and E. Harrison, S E cor
 Seventh and E. Mill, N E cor
 Seventh and E. Clay, S E cor
 Seventh and E. Morrison, S W cor
 Seventh and Multnomah, S W cor
 Eighth and Brooklyn, N W cor
 Eighth and E. Sherman, N E cor
 Eighth and E. Lincoln, S E cor
 *Eighth and Stephens, S W cor
 Eighth and E. Morrison, S W cor
 *Eighth and E. Pine, S E cor
 *Eighth and E. Burnside, S E cor
 Eighth and Broadway, S W cor
 Ninth and E. Sherman, S W cor
 Ninth and E. Clay, S W cor
 Ninth and Belmont, S W cor
 Ninth and E. Washington, S W cor
 Ninth and E. Davis, S W cor
 Ninth and Holladay ave., S E cor
 Ninth and Multnomah, S W cor
 Tenth and E. Caruthers, S W cor
 Tenth and E. Market, S E cor
 Tenth and E. Oak, S W cor
 Tenth and E. Ankeny, S E cor
 Milwaukie and Fredrick, S W cor

FIRE HYDRANTS.—Continued.

Eastern District.

Union ave. and Multnomah, S E cor
 Union ave. and Weidler, S E cor
 Fifth and Taggart, N E cor
 Fifth and E. Lincoln, N E cor
 Fifth and Stephens, S E cor
 Fifth and E. Clay, N E cor
 Fifth and E. Salmon, S E cor

Milwaukie and Powell, N E cor
 Milwaukie and Rhone
 Milwaukie and Caywood
 Milwaukie and Baldwin Switch
 Milwaukie and Center
 Milwaukie and Ash
 Eleventh and E. Sherman, S E cor
 Eleventh and E. Lincoln, S E cor

*New hydrants.
 Eleventh and Stephens, S E cor
 Eleventh and E. Clay, S E cor
 Twelfth and Belmont, S W cor
 Twelfth and E. Morrison, S E cor
 Twelfth and E. Washington, S W cor
 Twelfth and E. Oak, S E cor
 Twelfth and E. Pine, S E cor
 Twelfth and E. Ankeny, S E cor
 Twelfth and E. Couch, S E cor
 Twelfth and E. Davis, S W cor
 Twelfth and Broadway, S W cor
 Thirteenth and Powell, S W cor
 Thirteenth and Carroll, S W cor
 Fourteenth and Rhein, S E cor
 Fourteenth and Belmont, S W cor
 Fourteenth and E. Pine, S W cor
 Fifteenth and Clinton, S E cor
 Fifteenth and Broadway, S W cor
 Sixteenth and E. Main, S E cor
 Sixteenth and E. Morrison, S W cor
 Sixteenth and E. Ankeny, S E cor
 Sixteenth and E. Davis, S E cor
 Eighteenth and Powell, N W cor
 Eighteenth and Clinton, S W cor
 Nineteenth and E. Stark, N E cor
 Nineteenth and E. Oregon, S E cor
 *Twentieth and E. Main, N E cor
 Twentieth and E. Morrison, N W cor
 Twentieth and E. Irving, S W cor

*Twenty-sixth and Powell, N E cor
 Twenty-sixth and E. Ankeny, S W cor
 Twenty-eighth and Broadway, S W cor
 Thirtieth and E. Stark, S E cor
 Thirtieth and E. Ankeny, S W cor
 Thirty-first and E. Taylor, N E cor
 Thirty-first and E. Pine, N E cor
 Thirty-second and E. Belmont, N E cor
 Thirty-third and E. Morrison, N E cor
 Thirty-fourth and E. Alder, N W cor
 Thirty-fourth and Belmont, S W cor
 Thirty-fourth and E. Stark, S E cor
 Thirty-fourth and E. Taylor, S E cor
 Thirty-fourth and E. Main, S E cor
 Thirty-fourth and Hawthorne ave., N E cor
 Thirty-fifth and E. Madison, N E cor
 Thirty-fifth and E. Taylor, N W cor
 Thirty-sixth and E. Main, N E cor
 Marguerite and Murray ave.
 Marguerite ave., 400 ft. north of Murray ave.
 Larrabee and Holladay ave., S E cor

FIRE HYDRANTS.—Continued.

Eastern District.

*Twenty-first and E. Bush, N E cor
 Larrabee and Halsey, S E cor
 Twenty-first and E. Powell, S E cor
 Larrabee and Dixson, S E cor
 Twenty-first and E. Beacon, S W cor
 Benton and Clackamas, S E cor
 Ross and Cherry, N E cor
 Twenty-first and Brooklyn, S E cor
 Ross and Dixson, S W cor
 Twenty-first and Broadway, S E cor
 Wheeler and Clackamas, S W cor
 Second and Multnomah, S E cor
 *Twenty-second and E. Taylor, S E cor
 Second and Halsey, N E cor
 *Sixth and Clackamas, S W cor
 Twenty-second and E. Stark, S E cor
 Williams ave. and Cherry, S E cor
 Railroad and Randolph, S W cor
 Twenty-second and E. Ankeny, S E cor
 Railroad and Russell, N E cor
 Goldsmith and Randolph, N E cor
 Twenty-fifth and Division, S E cor
 Goldsmith and Mitchell, N W cor
 Delay and Russell, N E cor
 Twenty-sixth and E. Stark, S E cor
 Mississippi and Russell, N E cor
 Mississippi and Stanton, S E cor
 Mississippi and Beach, S E cor
 Mississippi and Fremont, S E cor
 Mississippi and Shaver, N E cor
 Williams ave. and Tillamook, N W cor
 Mississippi and Skidmore, N E cor
 Williams ave. and Masou, S W cor
 *Rodney ave. and Sellwood, N E cor
 Mitchell and Russell, S W cor
 Rodney ave. and Russell, S E cor
 Mitchell and Sellywood, S W cor
 *Rodney ave. and Eugene, S E cor
 Borthwick and Page, S W cor
 *Rodney ave. and San Rafael, S E cor
 Borthwick and Knott, N W cor
 Union ave. and Tillamook, S W cor
 Starr and Russell, S W cor
 Union ave. and Sacramento, S W cor
 Montana and Beach, S E cor
 Union ave. and Russell, S W cor
 Commercial and Morris, N W cor
 *Union ave. and Morris, S W cor
 Gantenbein and Russell, S E cor
 *Borthwick and Monroe, S W cor
 Vancouver and Russell, S E cor
 Union ave. and Stanton, S W cor
 Williams ave. and Hancock, N W cor
 Ainsworth and Union ave., S W cor
 Williams ave. and Catharine, S W cor
 Jarrett and Union ave., N W cor
 Williams ave. and Page, N W cor
 Ainsworth and Eighth, S E cor
 Williams ave. and Russell, S W cor
 Pearl and Union ave., N W cor
 Williams ave. and Sellwood, S W cor
 Killingsworth and Union ave., N W cor
 Williams ave. and Highland, S W cor
 Williams ave. and Fremont, N W cor
 Quincy and McMillan, S E cor
 *New hydrants.

SELLWOOD DISTRICT.

Second and Umatilla ave.
 Sixth and Clackamas ave.
 Fourth and Spokane ave.
 Eighth and Spokane ave.
 Fourth and Marion ave.
 Eighth and Umatilla ave.
 Fourth and Umatilla ave.
 Ninth and Spokane ave.
 Fourth and Central ave.
 Tenth and Umatilla ave.
 Sixth and Umatilla ave.
 Tenth and Tacoma ave.
 Sixth and Spokane ave.

Total number of hydrants in Eastern district, 227.

*New hydrants.

HYDRANTS OF ELEVATOR COMPANY.

Front and Market	Front and Northrup
Front and Clay	First and Market
Front and Columbia	First and Clay
Front and Jefferson	First and Montgomery
Front and Madison	First and Jefferson
Front and Main	First and Madison
Front and Salmon	First and Main
Front and Taylor	First and Salmon
Front and Yamhill	First and Taylor
Front and Morrison	First and Yamhill
Front and Alder	First and Morrison
Front and Washington	First and Alder
Front and Stark	First and Washington
Front and Oak	First and Stark
Front and Pine	First and Oak
Front and Ash	First and Pine
Front and Ankeny	First and Ash
Front and Burnside	First and Ankeny
Front and Couch	First and Burnside
Front and Davis	First and Couch
Front and Everett	First and Davis
Front and Hoyt	First and Flanders
Front and Irving	First and Glisan
Front and Kearney	Third and Oak
Front and Lovejoy	Fourth and Couch
Front and Marshall	

Total number of hydrants owned by Elevator Company, 51.

CISTERNS.

LOCATION AND CAPACITY.

Commencing on Each Street, South End of City.

Front and Harrison.....	20,000	Fourth and Stark.....	20,000
Front and Columbia.....	20,000	Fourth and Burnside.....	11,000
Front and Madison.....	20,000	Fifth and Caruthers.....	20,000
First and Meade.....	20,000	Fifth and Taylor.....	15,000
First and Mill.....	15,000	Fifth and Morrison.....	20,000
First and Jefferson.....	15,000	Fifth and Washington.....	15,000
First and Salmon.....	20,000	Fifth and Oak.....	15,000
First and Taylor.....	20,000	Fifth and Everett.....	20,000
First and Morrison.....	20,000	Fifth and Glisan.....	20,000
First and Alder.....	20,000	Sixth and College.....	20,000
First and Washington.....	20,000	Sixth and Mill.....	20,000
First and Stark.....	23,000	Sixth and Main.....	18,000
First and Oak.....	20,000	Sixth and Davis.....	20,000
First and Ash.....	20,000	Seventh and Harrison.....	15,000
First and Burnside.....	15,000	Seventh and Jefferson.....	20,000
Second and Caruthers.....	20,000	Seventh and Salmon.....	15,000
Second and Hall.....	20,000	Seventh and Morrison.....	8,000
Second and Main.....	15,000	Seventh and Washington.....	15,000
Second and Alder.....	20,000	Seventh and Oak.....	15,000
Second and Stark.....	20,000	Seventh and Burnside.....	16,000
Second and Pine.....	25,000	Eighth and Everett.....	20,000
Second and Couch.....	20,000	Tenth and Hall.....	20,000
Second and Everett.....	20,000	Tenth and Clay.....	20,000
Third and Grant.....	20,000	Ninth and Everett.....	17,000
Third and Montgomery.....	12,000	Eleventh and Jefferson.....	20,000
Third and Jefferson.....	15,000	Eleventh and Salmon.....	20,000
Third and Taylor.....	20,000	Eleventh and Morrison.....	20,000
Third and Morrison.....	20,000	Tenth and Couch.....	15,000
Third and Washington.....	15,000	Tenth and Glisan.....	20,000
Fourth and Clay.....	20,000	Twelfth and Washington.....	15,000
Thirteenth and Madison.....	20,000	Sixteenth and Davis.....	20,000
Thirteenth and Burnside.....	20,000	Twentieth and Glisan.....	20,000
Fourteenth and Market.....	20,000	Twenty-first and Washington.....	20,000
Twelfth and Johnson.....	20,000	.....	.....
Fourteenth and Glisan.....	20,000	Seventeenth and Yamhill.....	20,000
Fourteenth and Marshall.....	20,000	Lowndale and Morrison.....	15,000

CISTERNS.—EASTERN DISTRICT.

Fifth and E. Clay.....	25,000	Loring and Harding.....	20,000
Fifth and E. Washington.....	20,000	Mississippi and Goldsmith.....	20,000
Union ave. and E. Pine.....	20,000	Union ave. and Fremont.....	20,000
Twelfth and E. Ankeny.....	25,000	Minnesota ave. and Beach.....	20,000
Fourteenth and E. Pine.....	25,000	Williams ave. and Beach.....	20,000
Williams ave. and Cherry.....	20,000		
Total number of cisterns, 82.			

SUPERINTENDENT OF FIRE ALARM TELEGRAPH
REPORT

R. G. PADDOCK, Superintendent.
CHAS. A. SEVERIAN, Assistant.

Portland, Oregon, January 1, 1897.

To the Honorable Board of Fire Commissioners:

Gentlemen—I have the honor to submit my report for the year ending December 31, 1896, together with an inventory of property belonging to the Fire Alarm Telegraph.

During the early part of the present winter the severe storms caused considerable trouble on several circuits, particularly those on the east side, where a poor quality of wire had been used in the box pipes. When our lines became crossed with the light circuits, the insulation on these wires melted, leaving the bare copper grounded on the pipes. It was necessary to rewire all the box pipes on the Albina circuit, half of East Portland, and a number on the west side. The cables on Madison street and at the steel bridge also gave out and on being raised, were found to be entirely worn in two. Neither of these cables were of sufficient length to reach the bottom, and were therefore subjected to great wear from passing drift. The old cable being entirely too short to relay, I have ordered new cable. While the above causes created some annoyance from stray "taps," and much hard work for linemen, I am glad to say the circuits were closed so promptly that no failure of box signals occurred.

Two miles of new line has been built, and several blocks of old wire replaced with new. All of the open circuit batteries, which had become exhausted, have been renewed and a number of instruments repaired. Box 93 has been placed at St. Vincent's Hospital and is the property of the hospital management. Two other of the boxes in the list are owned by private corporations.

Some of our instruments cannot be considered as reliable as is desirable and should be replaced as soon as the necessary funds can be spared. Some of the boxes have been used eighteen years and have had much wear. They are likely at any time to cause a confusion of signals from two being pulled at the same time. The bell striker and tower at Engine No. 1 will need some repairs. I would recommend the adoption of storage batteries in place of the present gravity type, as they can be maintained for one-tenth the cost of the latter. Many of the Eastern cities are using them in fire alarm service and find them satisfactory.

I would also recommend installing a register and manual repeater for use in case of accident to our automatic repeaters. At present our only recourse is to place all circuits in one large circuit, an expedient not desirable in a system as extensive as ours.

The various parts of the city are fairly well supplied with call boxes, except Sunnyside, which has none. The old boxes, mentioned above, could be used here, as the circuit would not at present be connected with our other circuits. Our central office is considerably behind the modern standard, and I trust that, with returning prosperity, we may, in the near future, be able to make such improvements that our system will not be inferior to any. I desire to thank your honorable board, the Chief Engineer and the officers and members of the Fire Department for the many courtesies received.

Respectfully submitted,

R. G. PADDOCK,
Superintendent.

SIGNAL BOXES.

- 7 Southeast corner Park and Jefferson.
- 8 Southeast corner Twelfth and Morrison.
- 9 Southeast corner Ninth and Everett.
- 12 Southeast corner First and Morrison.
- 13 Southeast corner Third and Washington.
- 14 Southeast corner Second and Oak.
- 15 Southeast corner First and Vine.
- 16 Southeast corner First and Flanders.
- 17 Southeast corner Sixth and Couch.
- 18 Southwest corner Front and Lovejoy.
- 19 Southeast corner Front and Stark.
- 21 Southeast corner Fifth and Morrison.
- 23 Southeast corner Park and Oak.
- 24 Southeast corner Fourteenth and Glisan.
- 25 Southeast corner Fourteenth and Northrup.
- 26 Southeast corner Seventeenth and Savier.
- 27 Washington, opposite Seventeenth.
- 28 Southeast corner Twelfth and Couch.
- 29 Southeast corner Twenty-second and Everett.
- 31 Southeast corner First and Meade.
- 32 Southeast corner Fourteenth and Jefferson.
- 34 Southeast corner Seventh and Jackson.
- 35 Southeast corner Seventeenth and Clay.
- 36 Southeast corner Twelfth and Hall.
- 37 Southeast corner Fourth and Grant.
- 38 Southeast corner Front and Market.
- 39 Southeast corner Water and Harrison.
- 41 Southeast corner Twentieth and Johnson.
- 42 Southeast corner Twenty-second and Savier.
- 43 Southeast corner Weidler's Mill.
- 45 Southeast corner Seventh and Glisan.
- 46 Southeast corner Twentieth and Washington.
- 47 Southeast corner Eighteenth and Flanders.
- 48 Southeast corner Eleventh and Johnson.
- 49 Southeast corner Twenty-second and Lovejoy.
- 51 Southeast corner Second and Taylor.
- 52 Southeast corner Third and Madison.
- 53 Southeast corner West Park and Yamhill.
- 54 Southeast corner Fourth and Ankeny.
- 56 Southeast corner Eleventh and Main.
- 57 Southeast corner Seventeenth and Taylor.
- 58 Southeast corner West Main and Stout.

SIGNAL BOXES.—Continued.

- 59 Southeast corner Seventh and Montgomery.
 61 Southeast corner Front and Couch.
 62 Southeast corner Fourth and Hoyt.
 63 Southeast corner Tenth and Washington.
 64 Southeast corner Nineteenth and Pettygrove.
 65 Engine Company No. 6. Twentieth and Quimby.
 67 Southeast corner Twenty-fourth and Johnson.
 68 Southeast corner Twenty-sixth and Thurman.
 69 Southeast corner Nineteenth and Wilson.
 71 Southeast corner Corbett and Whittaker.
 72 Southeast corner Corbett and Bancroft ave.
 73 Southeast corner Macadam and Thomas.
 74 Southeast corner Hood and Caruthers.
 81 Engine Company No. 5. Front, bet. Gibbs and **Whittaker**.
 91 N. P. Lumber Manufacturing Co.'s Mill.
 92 Cold Storage, North Front and Pettygrove.
 93 St. Vincent's Hospital.
 123 Southeast corner Front and Salmon.
 124 Southeast corner First and Hall.
 125 Southeast corner Fourth and Mill.
 126 Southeast corner First and Jefferson.
 132 Truck Co. No. 1, Fourth, between Morrison and Yamhill.
 134 Southeast corner Sixth and Salmon.
 135 Southeast corner Sixth and Washington.
 137 Southeast corner St. Clare and Park ave.
 142 Southeast corner Third and Davis.
 143 Steel Bridge, toll office.
 145 Southeast corner Seventeenth and Kearney.
 152 Morrison Street Bridge, toll office.
 213 Northeast corner East Morrison and Water.
 214 Northwest corner Hawthorne ave. and Water.
 215 Northeast corner E. Fifth and Clay.
 216 Northwest corner E. Eleventh and Stephens.
 217 Northwest corner Twelfth and E. Morrison.
 218 Northwest corner Twelfth and E. Ankeny.
 219 Northwest corner Ninth and E. Oak.
 231 Northwest corner Union ave. and E. Oak.
 234 Northwest corner E. Fifth and E. Morrison.
 235 Southeast corner E. Fifth and E. Burnside.
 236 Southeast corner F. Fifth and Holladay ave.
 237 Southeast corner Larrabee and Holladay ave.
 238 Northwest corner Larrabee and Broadway.

SIGNAL BOXES.—Continued.

- 241 Southeast corner E. Ninth and E. Davis.
 243 Northwest corner E. Sixteenth and E. Morrison.
 245 Southwest corner E. Twentieth and Taylor.
 246 Northwest corner E. Twenty-second and Ankeny.
 251 Hose Co. No. 3, E. Seventh, between Stephens and Harrison.
 253 Corner East Eleventh and Division.
 258 Southeast corner E. Fifth and Division.
 259 Northwest corner E. Eleventh and Beacon.
 267 Southeast corner E. Water and E. Main.
 312 Southeast corner Russell and Railroad.
 314 Southwest corner Goldsmith and Mitchell.
 315 Southwest corner Mississippi ave. and Stanton.
 316 Southwest corner Williams ave. and Russell.
 317 Northeast corner Williams ave. and Weidler.
 318 Northeast corner Union ave. and San Rafel.
 319 Southwest corner Union ave. and Russell.
 321 Southeast corner Mississippi ave. and Fremont.
 324 Mississippi ave. and Mason.
 325 Williams ave. and Mason.
 326 Northeast corner Williams ave. and Fremont.
 327 Southwest corner Union ave. and Morris.
 329 Southeast corner E. Fifteenth and Broadway.
 341 Corner Russell, opposite Borthwick.
 342 Northeast corner Williams ave. and Morris.
 345 Borthwick and Fargo.
 358 Southeast corner E. Fifth and Division.
 359 Corner E. Eleventh and Beacon.
 361 Southeast corner E. Sixth and Halsey.

District numbers which are struck from the combination boxes located on the steel bridge and Madison street bridge:

- | | |
|----------------------|---|
| No. of District—145. | Location—Seventeenth and Kearney. |
| No. of District—146. | Location—Fifth and Irving. |
| No. of District—147. | Location—Freight Sheds, Seventh and Hoyt. |
| No. of District—148. | Location—Foot of Lovejoy. |
| No. of District—149. | Location—Weidler's Mill. |
| No. of District—152. | Location—Morrison Street Bridge office. |
| No. of District—153. | Location—Foot of Salmon. |
| No. of District—154. | Location—Foot of Jefferson. |
| No. of District—156. | Location—Pennoyer's Mill. |
| No. of District—162. | Location—Foot of Stark. |
| No. of District—163. | Location—Foot of Pine. |

No. of District—164.	Location—Foot of Vine.
No. of District—165.	Location—Burnside Street Bridge, west side.
No. of District—167.	Location—Foot of Flanders.
No. of District—172.	Location—Foot of Wilson.
No. of District—173.	Location—N. P. Lumber Co.'s Mill.
No. of District—254.	Location—Hogue's Mill.
No. of District—256.	Location—Madison Street Bridge, east side.
No. of District—257.	Location—Inman & Poulsen's Mill.
No. of District—263.	Location—Foot of Washington.
No. of District—264.	Location—Foot of East Oak.
No. of District—265.	Location—Burnside Street Bridge, east side.
No. of District—351.	Location—Steel Bridge, east side.
No. of District—352.	Location—Foot of Broadway.
No. of District—354.	Location—Goldsmith and Mitchell.
No. of District—356.	Location—Albina Ferry, east side landing.
No. of District—357.	Location—Foot of Russell.
No. of District—358.	Location—Pacific Coast Grain Elevator site.

Auxiliary fire alarm numbers that are sent out by the **Portland Automatic Fire Alarm Co.:**

- 512 Snell, Heitshu & Woodard Co., Sixth and Ankeny.
- 513 Goodyear Rubber Company, corner First and Oak.
- 514 The A. P. Hotaling Company, corner First and Burnside.
- 517 Closset & Devers, Burnside, between Second and Third.
- 523 Olds & King, corner Fifth and Washington.
- 526 Building, northwest corner Morrison and Third.
- 527 Honeyman, DeHart & Company, corner Second and Ash.
- 534 Mason, Ehrman & Company, corner Second and Pine.
- 536 McCracken's Warehouse, corner Ninth and Irving.

INVENTORY.

50 miles ariel lines, including wire, iron brackets, insulators, pipe, etc	\$ 6,000.00
110 signal boxes	10,390.00
1 tower, bell and striker	3,000.00
1 small bell	75.00
2 whistles and blowers	900.00
8 gongs, 18 inches	800.00
15 gongs, 14 inches	200.00
3 gongs, 8 inches	150.00
4 gongs, 6 inches	90.00

6 Visual indicators	600.00
1 gong, 15 inches, and visual indicator combined	185.00
8 Tape registers	275.00
7 combination call bell sets	70.00
1 large relay and case	7.00
1 Morse key	1.50
28 pony relays and cases	140.00
100 instrument, protectors and cases	800.00
10 Vertical galvanometers	85.00
2 horizontal galvanometers	20.00
2 automatic repeaters	950.00
1 combination 6-circuit switch	75.00
1 combination 2-circuit switch	5.00
2 combination 2-circuit switch	10.00
10 switches, C. E. W. make	30.00
65 small switches and push buttons	23.00
1 instrument table	25.00
1 instrument table (small)	4.00
34 horse unhitchers	680.00
1 lounge	7.00
2 chairs	2.50
1 table	5.00
	\$25,604.50

BATTERY.

490 cells, gravity	\$ 440.00
135 cells, Samson & Laclanche	108.00
300 pounds bluestone	14.25
70 star zincs	31.50
12 coppers .....	.72
6 Samson zincs, new	1.08
6 Samson carbons, old	1.00
	\$ 596.55

TOOLS, FIXTURES, ETC.

2 ladders	\$ 5.00
3 stoves	20.00
1 gas stove	3.50
3 sets battery shelves	75.00
1 battery table	6.00

1 work bench	3.00
1 block and fall.....	3.50
1 pair wire stretchers.....	3.00
1 strap vise	1.75
1 bench vise	10.00
2 pair pliers	4.30
1 angle brace	2.25
1 brace	1.50
1 hatchet .....	.75
1 hammer .....	.50
3 screwdrivers	2.50
2 framing chisels	2.25
2 monkey wrenches	1.00
1 pipe wrench.....	1.00
½ dozen bits	2.00
1 rivet punch and set.....	.55
4 files .....	.75
1 pair tinners' shears.....	2.00
1 plane	1.25
1 gasoline torch, old.....	2.00
1 alcohol torch, old	1.00
1 charcoal pot	1.00
1 sprinkling pot .....	.50
4 oil cans	1.50
1 glass funnel .....	.50
1 demijohn .....	.35
2 thermometers .....	.75
1 wire reel	5.00
2 gas fixtures	2.00
1 iron bar	1.00
1 shovel	1.00
1 tool box	4.00
1 tool box	2.50

\$ 176.45

MATERIAL.

1 outer box case.....	\$ 10.00
2 wood bases .....	.80
1 pint alcohol .....	.25
2 gallons gasoline .....	.40
3 dozen lagg screws .....	.72
3 dozen assorted screws.....	.50

7 rolls register tape .....	.75
1 dozen pipe caps	1.80
500 feet iron line wire.....	3.00
300 feet copper wire, No. 10.....	6.50
300 feet copper wire, No. 14.....	4.00
200 feet office wire .....	.50
1000 feet iron wire, old.....	3.00
Total value of fire alarm property.....	\$26,409.82

Water Committee's Report

RECEIPTS AND DISBURSEMENTS FROM JANUARY 1 TO
MARCH 31, 1896.

GENERAL ACCOUNT.

1895—
December 31, cash in hands of treasurer per
report this date \$ 96,949.63

RECEIPTS.

1896—
January 31, cash from operating department..\$ 15,000.00
February 29, cash from operating department. 14,000.00
March 31, cash from operating department... 14,000.00 \$ 43,000.00
March 31, cash from S. Galvin for hoisting
engine, credit reservoirs 125.00

Total \$ 140,074.63

DISBURSEMENTS.

RESERVOIRS.

Voucher	2102—D. M. Watson, for borings west of reservoir three and four	\$ 341.80	
Voucher	2103—Crane & Jack Co., for tubing for ditto.....	104.87	
Part Voucher	2104—City water works, per cer- tified payrolls and vouchers	404.10	
Voucher	2105—D. M. Watson, for bor- ings west of reservoirs 3 and 4	369.40	
Voucher	2106—Crane & Jack Co., for tub- ing for ditto.....	78.09	
Amount carried forward.....		\$ 1,298.26	

WATER COMMITTEE'S REPORT.

Amount brought forward.....	\$	1,298.26	
Part Voucher 2107—City water works, per certified payrolls and vouchers		226.90	
Voucher 2108—Whidden & Lewis, architects, on account iron fences		150.00	
Voucher 2109—D. M. Watson, for boring west of reservoirs 3 and 4		358.70	
Voucher 2110—Crane & Jack Co., for tubing for ditto		78.55	
Voucher 2112—I. K. Tuerck, final est. on contract iron fences		1,853.81	
Voucher 2113—I. K. Tuerck, as per bill, extra work iron fences...		102.93	
Part Voucher 2115—City water works, certified payrolls and vouchers		718.30	\$ 4,787.45

DISTRIBUTION SYSTEM.

Voucher 2101—Herman C. Ulrich, damages by blast from trench.\$		841.00	
Part Voucher 2104—City water works, per certified payrolls and vouchers		155.00	
Voucher 2111—Pacific Metal Works, pig lead for extending mains.		75.56	\$ 1,071.56

RIGHTS OF WAY, RIPARIAN RIGHTS AND LAND.

Part Voucher 2104—City water works, per certified payrolls and vouchers	\$	24.30	
Part Voucher 2107—City water works, per certified payrolls and vouchers		15.50	
Part Voucher 2115—City water works, per certified payrolls and vouchers		10.50	\$ 50.30
Amount carried forward.....	\$		5,909.31

WATER COMMITTEE'S REPORT.

Amount brought forward..... \$ 5,909.31

HEADWORKS.

Part Voucher 2107—City water works, per certified payrolls and vouchers	\$	69.17	\$ 69.17
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BRIDGES.

Part Voucher 2107—City water works, per certified payrolls and vouchers	\$	5.00	\$ 5.00
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PORTLAND HEIGHTS SUPPLY.

Part Voucher 2104—City water works, per certified payrolls and vouchers	\$	446.75	
Part Voucher 2107—City water works, per certified payrolls and vouchers		352.45	\$ 799.20

GENERAL EXPENSE.

Part Voucher 2104—City water works, per certified payrolls and vouchers	\$	89.79	
Part Voucher 2107—City water works, per certified payrolls and vouchers		227.92	
Part Voucher 2115—City water works, per certified payrolls and vouchers		308.49	
Voucher 2114—Frank T. Dodge, services as clerk January, February and March.....		150.00	\$ 776.20
Total during the quarter.....	\$		7,558.88

RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer December 31, 1895, as above	\$	96,949.63	
Cash from operating department during quarter, as above		43,000.00	
Cash from S. Galvin for hoisting engine, credit reservoir		125.00	\$ 140,074.63

DISBURSEMENTS.

Reservoirs	\$	4,787.45	
Distribution system		1,071.56	
Rights of way, Riparian rights and land....		50.30	
Headworks		69.17	
Bridges		5.00	
Portland Heights supplies		799.20	
General expenses		776.20	\$ 7,558.88

Balance in hands of treasurer March 31, 1896	\$	132,515.75
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OPERATING ACCOUNT.

Receipts—Water Rates.

Amounts earned and credited on the books	\$60,025.60	
Deduct amount due from city.....	7,959.60	\$ 52,066.00
Tapping mains	118.75	
Turning on water	67.00	
Rent	15.00	\$ 52,266.75
Amount carried forward.....		\$ 52,266.75

Amount brought forward.....	\$ 52,266.75
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DISBURSEMENTS.

Palatine pumping-station	\$	309.08	
High service pumping-station.....		5.00	
Repairs to street mains.....		1,826.87	
General expense		2,550.42	
Office expense		1,363.75	
Books and stationery		114.96	
Office furniture		7.20	
Loose property		279.45	
Pipe line		676.65	
Reservoirs		1,750.96	

\$ 8,884.34

Amount paid to general account in January	\$15,000.00		
Amount paid to general account in February	14,000.00		
Amount paid to general account in March	14,000.00	\$ 43,000.00	\$ 51,884.34

Balance in hands of operating department, March 31, 1896.....	\$	382.41
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HENRY FAILING,
Chairman Water Committee.

FRANK T. DODGE, Clerk.
Portland, Oregon, March 31, 1896.

RECEIPTS AND DISBURSEMENTS FROM APRIL 1 TO
JUNE 30, 1896.

GENERAL ACCOUNT.

1896—

March 31—Cash in hands of treasurer, per
report this date \$ 132,515.75

RECEIPTS.

April 30—Cash from operating department... \$ 15,000.00
 May 31—Cash from operating department... 14,000.00
 June 26—Cash from N. E. Ayer, 875 pounds
 old steel, credit reservoirs..... 8.75
 June 30—Cash from Crane & Jack Co., one
 boiler, credit steel conduit..... 272.25
 June 30—Cash from operating department... 16,500.00 \$ 45,781.00
 Total \$ 178,296.75

DISBURSEMENTS.

RESERVOIRS.

Part Voucher 2116—City water works, per cer-
 tified payrolls and
 vouchers \$ 684.38
 Part Voucher 2117—City water works, per cer-
 tified payrolls and
 vouchers 381.24
 Voucher 2122—D. M. Watson, for borings
 at reservoir No. 2..... 196.15
 Voucher 2124—Crane & Jack Co., for
 pipe, etc 30.49
 Part Voucher 2128—City water works, per cer-
 tified payrolls and
 vouchers 415.15 \$ 1,707.41
 Amount carried forward..... \$ 1,707.41

Amount brought forward..... \$ 1,707.41

DISTRIBUTION SYSTEM.

Voucher 2123—Crane & Jack Co., for
 pipe, etc. \$ 111.95
 Voucher 2125—Crane & Jack Co., for
 pipe, etc. 166.70
 Voucher 2126—Oregon Iron & Steel Co.,
 for pipe 1,031.71
 Part Voucher 2128—City water works, per cer-
 tified payrolls and
 vouchers 223.87 \$ 1,534.23

RIGHTS OF WAY, RIPARIAN RIGHTS AND LAND.

Part Voucher 2116—City water works, per cer-
 tified payrolls and
 vouchers \$ 77.10
 Voucher 2117—L. T. Barin, attorney fees,
 land contests, October 16,
 1895, to May 7, 1896..... 275.00
 Part Voucher 2118—City water works, per cer-
 tified payrolls and
 vouchers 75.95
 Voucher 2120—L. L. Porter, 158 acres on
 Bull Run, one mile above
 head works 500.00
 Part Voucher 2118—City water works, per cer-
 tified payrolls and
 vouchers 150.10 \$ 1,078.15

HEADWORKS.

Part Voucher 2116—City water works, per cer-
 tified payrolls and
 vouchers \$ 38.78
 Part Voucher 2118—City water works, per cer-
 tified payrolls and
 vouchers 81.58

Amount carried forward..... \$ 120.36 \$ 4,319.79

WATER COMMITTEE'S REPORT.

Amount brought forward.....	\$	120.36	\$	4,319.75
Part Voucher 2128—City water works, per certified payrolls and vouchers		92.02	\$	212.35

MANUFACTURING AND LAYING STEEL CONDUIT.

Voucher 2121—Hoffman & Bates, for use and benefit of Wolff, Zwicker & Buehner.....	\$	18,627.17	\$	18,627.17
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BRIDGES.

Part Voucher 2128—City water works, per certified payrolls and vouchers	\$	5.00	\$	5.00
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INTEREST ON BONDS.

Voucher 2119—Frank Hachenev, city treasurer, amount deposited with him June 30, 1896, for paying semi-annual interest due July 1, 1896, on \$2,900,000 bonds issued to this date.....	\$	72,500.00	\$	72,500.00
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GENERAL EXPENSE.

Part Voucher 2116—City water works, per certified payrolls and vouchers	\$	165.37		
Part Voucher 2118—City water works, per certified payrolls and vouchers		135.00		
Amount carried forward.....	\$	300.37	\$	95,664.34

WATER COMMITTEE'S REPORT.

Amount brought forward.....	\$	300.37	\$	95,664.34
Part Voucher 2128—City water works, per certified payrolls and vouchers		152.46		
Voucher 2127—Frank T. Dodge, salary as clerk, April, May, June...	150.00	\$	602.83	
Total			\$	96,267.17

RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer, March 31, 1896, as above	\$	132,515.75		
Cash from operating department during quarter		45,500.00		
Cash from boiler and old steel sold and credited to construction	281.00	\$	178,296.75	

DISBURSEMENTS.

Reservoirs	\$	1,707.41		
Distribution system		1,534.23		
Rights of way, riparian rights and land.....		1,078.15		
Head works		212.38		
Manufacturing and laying steel conduit.....		18,627.17		
Bridges		5.00		
Interest on bonds		72,500.00		
General expense	602.83	\$	96,267.17	
Balance in hands of Treas. June 30, 1896..		\$	82,029.58	

OPERATING ACCOUNT.

Balance in hands of operating department, March 31, 1896.....	\$	382.41		
Amount carried forward.....		\$	382.41	

Amount brought forward..... \$ 382.41

RECEIPTS.

Water Rates—Amounts earned and credited on the books.....	\$61,567.05		
Deduct amount due from city.....	8,399.85	\$	53,167.20
Tapping mains	110.00		
Turning on water	49.00		
Rent	30.00		
Fire department, cost, labor and material connecting fire cistern Third and Taylor..	48.05	\$	53,404.25
Total		\$	53,786.66

DISBURSEMENTS.

Palatine pumping-station	\$	301.25	
Repairs to street mains.....		1,388.40	
General expense		2,403.03	
Office expense		1,362.75	
Books and stationery		81.29	
Meters		4.50	
Loose property		82.00	
Pipe line		936.18	
Reservoirs		1,720.99	
	\$	8,280.39	
Amount paid general Ac't in April.	\$15,000.00		
Amount paid general Ac't in May.	14,000.00		
Amount paid general Ac't in June.	16,500.00	\$	45,500.00
		\$	53,780.39
Balance in hands operating department, June 30, 1896.....		\$	6.27

HENRY FAILING,
Chairman Water Committee.

FRANK T. DODGE, Clerk.
Portland, Oregon, June 30, 1896.

RECEIPTS AND DISBURSEMENTS FROM JULY 1 TO SEPTEMBER 30, 1896.

GENERAL ACCOUNT.

1896

June 30—Cash in hands of treasurer, per report of this date..... \$ 82,029.58

RECEIPTS.

July 31—Cash from operating department... \$	17,000.00		
Aug. 12—Cash from Rossland Water Company for two boilers credited on account City water works	900.00		
Aug. 31—Cash from operating department....	16,500.00		
Sept. 17—Cash from W. S. Norman, for one portable pump credited to account steel conduit	250.00		
Sept. 17—Cash from D. A. Baylor, for two boilers, credited to account City water works	760.00		
Sept. 30—Cash from D. A. Baylor, for one heater, credited to account City water works	25.00		
Sept. 30—Cash from Joseph Supple for one portable engine credited to account reservoirs	250.00		
Sept. 30—Cash from operating department...	16,500.00	\$	52,185.00
Total		\$	134,214.58

DISBURSEMENTS.

MANUFACTURING AND LAYING STEEL CONDUIT.

Voucher	2129—Hoffman & Bates, 10 per cent. retained.....	\$	50,982.52	
	Less paid June 10, 1896, for use and benefit of Wolf, Zwicker & Buehner		18,627.17	
	Total	\$	32,355.35	
	Allowance made for extra work.....		2,263.43	\$ 34,618.78

DISTRIBUTION SYSTEM.

Part Voucher	2130—City water works per certified payrolls and vouchers	\$	171.25	
Voucher	2123—Oregon Iron & Steel Co., for pipes		841.69	
Part Voucher	2134—City water works, per certified payrolls and vouchers		59.25	
Voucher	2135—Crane & Jack Co., for gate valves		145.85	
Voucher	2136—Willamette Iron Works, for gate covers		78.35	
Voucher	2137—Oregon Iron & Steel Co., for tees		40.30	
Part Voucher	2141—City water works, per certified payrolls and vouchers		204.85	\$ 1,541.54

RESERVOIRS.

Part Voucher	2130—City water works, per certified payrolls and vouchers	\$	161.75	
	Amount carried forward.....	\$	161.75	\$ 36,160.32

	Amount brought forward.....	\$	161.75	\$ 36,160.32
Voucher	2132—American Bridge & Contract Co., 98 yards sand		107.80	
Part Voucher	2134—City water works, per certified payrolls and vouchers		792.45	
Voucher	2138—American Bridge & Contract Co., 20½ yards sand.		22.55	
Voucher	2139—Wolf & Zwicker Iron Works, nozzles for fountain		74.71	
Part Voucher	2141—City water works, per certified payrolls and vouchers		531.00	\$ 1,690.26

RIGHTS OF WAY, RIPARIAN RIGHTS AND LAND.

Part Voucher	2130—City water works, per certified payrolls and vouchers	\$	10.05	
Voucher	2131—Hattie Vail and Albert Vail, for waiver of terms of deed.....		100.00	
Part Voucher	2134—City water works, per certified payrolls and vouchers		11.00	\$ 121.05

HEADWORKS.

Part Voucher	2130—City water works, per certified payrolls and vouchers	\$	50.04	
Part Voucher	2134—City water works, per certified payrolls and vouchers		109.91	
Part Voucher	2141—City water works, per certified payrolls and vouchers		288.58	\$ 448.53
	Amount carried forward.....	\$		\$ 38,420.16

Amount brought forward..... \$ 38,420.15

GENERAL EXPENSE.

Part Voucher 2130—City water works, per certified payrolls and vouchers	\$	162.40	
Part Voucher 2134—City water works, per certified payrolls and vouchers		127.65	
Part Voucher 2141—City water works, per certified payrolls and vouchers		137.65	
Voucher 2140—Frank T. Dodge, services as clerk, July, August and September	150.00	\$	577.70
Total	\$	38,997.86	

RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer June 30, 1896, as above	\$	82,029.58	
Cash from operating department during quarter	50,000.00		
Cash for pump and engine sold and credited to construction	500.00		
Cash for boilers, etc., sold and credited to City water works.....	1,685.00	\$	134,214.58

DISBURSEMENTS.

Manufacturing and laying steel conduit.....	\$	34,618.78	
Reservoirs	1,690.26		
Distribution system	1,541.54		
Rights of way, riparian rights and land.....	121.05		
Head works	448.53		
General expense	577.70	\$	38,997.86

Balance in hands of treasurer September 30, 1896	\$	95,216.72	
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OPERATING ACCOUNT.

Balance in hands of operating department, June 30, 1896	\$	6.27	
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RECEIPTS.

From city, for amounts charged prior to this quarter	\$	27.50	
Water Rates—Amounts earned and credited on the books.....	\$68,267.03		
Deduct amount due from city for quarter	9,491.88	\$	58,775.15
Tapping mains	161.50		
Turning on water	68.00		
Rent	30.00		
City & Suburban Railway connections for street sprinkling	150.60	\$	59,212.75
Total	\$	59,219.02	

DISBURSEMENTS.

Palatine pumping-station	\$	194.40	
High service pumping-station	483.65		
Repairs to mains	1,646.29		
General expense	2,518.53		
Office expense	1,359.00		
Books and stationery	125.70		
Meters	330.76		
Loose property	279.29		
Pipe line	706.16		
Reservoirs	1,524.12		
Total	\$	9,167.90	
Amount paid general Ac't in July.....	\$17,000.00		
Amount paid general Ac't in Aug..	16,500.00		
Amount paid general Ac't in Sept.	16,500.00	\$	50,000.00
Balance in hands of operating department, September 30, 1896.....	\$	51.12	

HENRY FAILING,
Chairman Water Committee.

FRANK T. DODGE, Clerk.
Portland, Oregon, September 30, 1896.

RECEIPTS AND DISBURSEMENTS FROM SEPTEMBER
30 TO DECEMBER 31, 1896.

GENERAL ACCOUNT.

1896.

Sept. 30—Cash in hands of treasurer, per reports of this date..... \$ 95,216.72

RECEIPTS.

Oct. 31—Cash from operating department....\$ 14,500.00
Nov. 30—Cash from operating department.... 14,000.00 \$ 28,500.00
Total \$ 123,716.72

DISBURSEMENTS.

DISTRIBUTION SYSTEM.

Voucher 2142—Oregon Iron & Steel Co., for cast-iron pipes.....\$ 612.60
Part Voucher 2145—City Water Works per certified vouchers and pay-rolls 60.57
Part Voucher 2146—City Water Works per certified vouchers and pay-rolls 215.08 \$ 888.25

RESERVOIRS.

Voucher 2143—Wolff & Zwicker Iron Works, branches for sewer connections\$ 244.20
Voucher 2144—American Bridge & Contract Company, for 14 yards of sand 15.40
Part Voucher 2145—City Water Works per certified pay-rolls and vouchers 562.94
Amount carried forward..... \$ 822.54 \$ 888.25

Amount brought forward..... \$ 822.54 \$ 888.25
Part Voucher 2146—City Water Works per certified pay-rolls and vouchers 380.03 \$ 1,202.57

RIGHTS OF WAY, LAND, ETC.

Part Voucher 2145—City Water Works per certified pay-rolls and vouchers\$ 136.40 \$ 136.40

HEADWORKS.

Part Voucher 2145—City Water Works per certified pay-rolls and vouchers\$ 19.70 \$ 19.70

GENERAL EXPENSE.

Part Voucher 2145—City Water Works per certified pay-rolls and vouchers\$ 132.25
Part Voucher 2146—City Water Works per certified pay-rolls and vouchers 147.90 \$ 280.15

INTEREST ON BONDS.

Voucher 2147—Frank Hacheney, City Treasurer, amount deposited with him December 31, 1896, for paying semi-annual interest on \$2,900,000 bonds issued to this date\$ 72,500.00 \$ 72,500.00
Total \$ 75,027.07

RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer September 30, 1896, as above	\$	95,216.72	
Cash from operating department October 31 and November 30		28,500.00	\$ 123,716.72

DISBURSEMENTS.

Distribution system	\$	888.25	
Reservoirs		1,202.57	
Rights of way, land, etc.		136.40	
Head works		19.70	
General expense		280.15	
Interest on bonds		72,500.00	\$ 75,027.97
Balance in hands of treasurer December 31, 1896	\$	<u>48,689.65</u>	

OPERATING ACCOUNT.

Balance in hands of operating department September 30, 1896	\$	51.12
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RECEIPTS.

Water Rates—Amounts earned and credited on the books.....	\$59,047.82	
Deduct amount due from city for quarter	8,024.22	\$ 51,023.60
Tapping mains	96.00	
Turning on water	56.50	
Rent	12.00	\$ 51,188.10
Amount carried forward.....		\$ 51,239.22

Amount brought forward..... \$ 51,239.22

DISBURSEMENTS.

Palatine pumping-station	\$	305.24	
High service pumping-station.....		2.67	
Repairs to mains		1,486.90	
General expense		2,600.75	
Office expense		1,372.75	
Books and stationery		111.40	
Meters		1.75	
Loose property		86.75	
Reservoirs		1,767.78	

Pipe Line—

Ordinary expenses of operating.....	\$1,142.01	
Extra for freshet in Sandy river.....	628.70	1,770.71
Total	\$	9,566.70
Amount paid to general account October 31	\$14,500.00	
Amount paid to general account November 30	14,000.00	\$ 28,500.00
Balance in hands of operating department December 31, 1896		\$ 13,172.52

BOOKS OF THE WATER COMMITTEE OF THE CITY OF PORTLAND, OREGON, BALANCE SHEET, DECEMBER 31, 1896.

Income from water works.....	1,311,431.92	
Bonds	2,900,000.00	
Premium on bonds	222,200.70	
Interest on bonds	\$ 597,124.17	

COST OF PUMPING SYSTEM AND ADDITIONS THERETO.

Water works purchased			
Dec. 31, 1886.....	\$464,551.81		
Deduct property sold.....	4,560.48	\$459,991.33	
New Palatine pumps.....	\$ 74,097.72		
New high service pump..	22,097.49		
New Palatine force main.	159,726.31		
New pumping apparatus.	13,516.66		
Improvement real estate			
Fourth and Market..	3,748.95	\$273,187.13	\$733,178.46
Extending distribution system			\$564,133.27

BULL RUN GRAVITY SYSTEM.

Surveys and explorations.....	\$ 9,688.40		
Land, rights of way, riparian rights..	47,666.39		
Clearing and roads	33,046.35		
Headworks on Bull Run river.....	57,245.92		
Steel plates for conduit.....	377,312.30		
Manufacturing and laying conduit...	569,945.72		
Bridges for steel conduit.....	54,896.22		
Manufacturing and laying cast-iron conduit	288,588.70		
Submerged pipe across Willamette...	78,798.48		
Reservoirs (four) including land.....	873,696.96		
Portland Heights supply, hydraulic			
Amount carried forward.....	\$2,390,885.44	\$1,894,435.90	\$4,433,632.62

Amount brought forward.....	\$2,390,885.44	\$1,894,435.90	\$4,433,632.62
pumps, etc.	30,896.87		
Telephone line to headworks, 30 miles.	7,261.51		
General expense.....	\$47,618.96		
Legal expense	8,325.91		
Office expense	360.19		
Superintendence	4,658.19	\$61,463.25	2,490,507.07
Treasurer, balance in his hands Dec. 31, 1896....	\$ 48,689.65		
Total	\$4,433,632.62	\$4,433,632.62	

CASH RECEIPTS AND DISBURSEMENTS OF THE OPERATING
DEPARTMENT OF THE CITY WATER WORKS FOR THE
YEAR ENDING DECEMBER 1, 1896.

RECEIPTS.

Water rates	\$ 190,274.35	
Irrigations	9,560.90	
Elevators	14,323.25	
Building purposes	821.35	
Multnomah Driving Association.....	52.10	
Tapping mains	486.25	
Turning on water	240.50	
Rent of buildings	87.00	
City, for water for park, per bill for May....	27.50	
City fire department, for connecting eistern. Third and Taylor streets.....	48.05	
City & Suburban street railway, for connect- ing for street sprinklers.....	150.60	\$ 216,071.85

DISBURSEMENTS.

Palatine pumping-station	\$ 1,109.97	
High-service pumping	491.32	
Pipe line, operating expenses	4,089.70	
Reservoirs and power-house, operating exp..	6,763.85	
Repairs to street mains.....	6,348.46	
General expenses	10,132.73	
Office expenses	5,458.25	
Books and stationery	433.35	
Office furniture	7.20	
Meters	337.01	
Loose property	727.49	
	\$ 35,899.33	
Paid to general account, per receipts of Treas.	\$ 167,000.00	\$ 202,899.33
Net receipts for December, paid to new treas- urer January 13, 1897.....		\$ 13,172.52

SUMMARY.

Property and fuel on hand Dec. 31, 1895.....		\$ 9,420.43
Gross earnings for year 1896.....	\$ 249,919.90	
Less balance due from city for year 1896.....	33,848.05	
Cash receipts for year 1896.....		\$ 216,071.85
Total		\$ 225,492.28
Net expenses after deducting property on hand	\$ 36,894.08	
Paid to Treas. for Int. on bonds. \$145,000.00		
Paid to treasurer, surplus for construction	22,000.00	\$ 167,000.00
Net receipts for December, paid to new treas- urer January 13, 1897.....	\$ 13,172.52	\$ 217,066.60
Property and fuel on hand Dec. 31, 1896.....		\$ 8,425.68

BOOKS OF THE CITY WATER WORKS, BALANCE SHEET,
DECEMBER 31, 1896, BEFORE CLOSING.

Water rates		\$ 190,274.85	
Irrigation		9,560.90	
Elevators		14,323.25	
Building purposes		821.35	
Multnomah Driving Association.....		52.18	
Tapping mains		486.35	
Turning on water.....		240.56	
Rent of buildings.....		87.00	
Municipal water rates.....		33,875.55	
Palatine pumping-station	\$ 2,132.97		
High service pumping-station.....	530.20		
Pipe line, operation.....	4,089.70		
Reservoirs, operation	6,763.85		
Repairs to street mains	6,149.81		
General expense	10,132.73		
Office expense	5,458.25		
Books and stationery.....	433.35		
Office furniture	444.30		
Meters	3,817.01		
Loose property	5,168.94		
Treasurer	859,307.75		
Cash	13,172.52		
City of Portland.....	160,029.70		
Profit and loss.....		\$ 827,909.83	
		<u>\$1,077,631.08</u>	<u>\$1,077,631.08</u>

BALANCE SHEET AFTER CLOSING, YEAR 1896.

Loose property	\$4,010.98		
Meters and indicators.....	3,435.31		
Office furniture	282.44		
Palatine pumping-station	688.20		
High service pumping-station.....	8.75	\$ 8,425.68	
Cash		13,172.52	
Treasurer		714,307.75	
City of Portland		160,029.70	
Profit and loss		\$ 895,935.65	
Total		<u>\$ 895,935.65</u>	<u>\$ 895,935.65</u>

TOTAL RECEIPTS AND DISBURSEMENTS BY THE WATER
COMMITTEE FOR THE YEAR ENDING
DECEMBER 31, 1896.

1895—		
Dec. 31—Balance in hands of treasurer per report this date		\$ 96,949.63

RECEIPTS.

Income from Water Works:		
Cash, operating dep, 1st quarter....	\$43,000.00	
Cash, operating dep, 2d quarter....	45,500.00	
Cash, operating dep, 3d quarter....	50,000.00	
Cash, operating dep, for October and November	28,500.00	\$ 167,000.00

SUNDRIES.

1896—		
March 31—S. Galvin, for hoisting engine, credit Acc't. reservoirs..	\$ 125.00	
June 26—N. E. Ayer, for 875 pounds scrap steel, credit reservoirs..	8.75	
June 30—Crane & Jack Co., for portable boiler, credit account steel conduit	272.25	
Aug. 12—Rossland Water Co., two boilers, credit city water works	900.00	
Sept. 17—W. S. Norman, portable pump, credit steel conduit....	250.00	
Sept. 17—D. A. Baylor, two boilers, credit city water works.....	760.00	
Sept. 30—D. A. Baylor, one heater, credit city water works.....	25.00	
Sept. 30—J. Supple, portable engine, credit reservoirs.....	250.00	\$ 2,591.00
Total receipts		\$ 169,591.00
Amount carried forward.....		\$ 266,540.63

WATER COMMITTEE'S REPORT.

Amount brought forward..... \$ 266,540.52

DISBURSEMENTS.

Distribution system, extending mains in city..\$	5,035.58
Land, right of way, and riparian rights.....	1,385.90
Headworks	749.78
Manufacturing and laying steel conduit, retained percentage, etc.....	53,245.95
Bridges	10.00
Reservoirs	9,387.69
Portland Heights supply, hydraulic pumps, etc	799.20
General expense	2,236.88

Total on account construction.....\$ 72,850.98

Interest on bonds, 5 per cent on \$2,900,000,
one year

\$ 145,000.00

Total disbursements \$ 217,850.98

Balance in hands of treasurer Dec. 31, 1896... \$ 48,689.55

STATEMENT

Of all the Earnings, Receipts and Disbursements by the Water Committee of the City of Portland, Oregon, and the Sub-Committee on Water Works, operating the works, from November 25, 1885, when the Committee was appointed by Act of the Legislature, until December 31, 1896.

EARNINGS AND RECEIPTS	1886	1887	1888	1889	1890
Gross earnings from Water Works.....	\$ 97,502.71	\$ 113,692.06	\$ 148,106.31	\$ 181,310.94	\$ 181,310.94
Deduct due from city for water for Fire Department, etc.....	47,000.77	54,792.44	51,407.17	71,498.85	71,498.85
Cash receipts of Water Works.....	97,502.71	113,692.06	148,106.31	181,310.94	181,310.94
Deduct operating expenses and repairs.....	47,000.77	54,792.44	51,407.17	71,498.85	71,498.85
Deduct increase of property in hands of operating department.....	50,501.94	58,899.62	96,699.14	109,811.55	109,811.55
Income from Water Works.....	3,277.31	3,170.03	322.98	3,515.89	3,515.89
Deduct interest on bonds.....	47,224.63	55,729.59	96,376.16	101,286.00	101,286.00
Net earnings used for extending mains and construction.....	25,000.00	25,000.00	30,000.00	33,750.00	33,750.00
Water bonds sold.....	22,224.63	30,729.59	66,376.16	67,548.00	67,548.00
Premium on bonds.....	500,000.00		100,000.00	100,000.00	100,000.00
	39,300.00		5,908.20	9,750.00	9,750.00
Totals.....	530,300.00	22,224.63	31,729.59	172,284.36	177,286.00
DISBURSEMENTS					
Water Works purchased Dec. 31, 1886	464,551.81				
Additional pumps and main from Palestine.....			12,279.06	42,026.85	192,322.73
Deduct property sold.....	464,551.81		12,279.06	42,026.85	192,322.73
Net cost of pumping system and 27 miles of distributing mains.....			1,500.00	100.00	16.00
Extending mains of distributing system.....	464,551.81		10,779.06	41,926.85	192,306.73
	560.00	33,939.71	14,273.49	114,063.46	7,836.00
BULL RUN GRAVITY SYSTEM					
Surveys and explorations.....	7,850.73				
Land, riparian rights and rights of way	936.85		23,383.01	426.00	
Clearing and roads.....	125.00			337.00	
Head works on Bull Run river.....	7,180.10	2,499.89	1,500.00		
Steel plates for conduit, head works to Mt. Tabor.....					
Manufacturing and laying ditto.....					
Bridges for conduit across Sandy and Bull Run rivers.....					
Manufacturing and laying cast iron conduit, Mt. Tabor to Park.....					
Submerged pipe across William's river Reservoirs (4) including land.....				5,976	
Portland Heights supply, water power pumps, etc.....					
Telephone line from reservoirs to head works, 30 miles.....					
General expenses.....	4,224.36	16,832.43	2,136.29	1,760.45	1,095.92
Totals.....	\$ 455,427.85	\$ 53,596.23	\$ 52,021.85	\$ 159,098.52	\$ 201,250.22

a After deducting \$300.00 received for property sold in 1892.

b After deducting \$125.00 received for property sold in 1893.

c After deducting from account "Steel Plates" \$1,262.68 for plates sold in 1895.

d Add for decrease in fuel, etc.

e Including \$200.00 due from City for water in December and paid the following month.

f Including \$600.00 due from City and excluding \$189.65 paid by Gambrinus brewery in advance for 1891.

g Excluding \$800.00 paid by the City balance due for water to December 31, 1890, and including \$189.65 received from Gambrinus brewery as above.

h Including \$13,172.52, net receipts of City Water Works for December, 1896, turned over to new Treasurer January 13, 1897.

k After deducting \$1,685 for property sold in 1896.

STATEMENT—Continued

Of all the Earnings, Receipts and Disbursements by the Water Committee of the City of Portland, Oregon, and the Sub-Committee on Water Works, operating the works, from November 25, 1885, when the Committee was appointed by Act of the Legislature, until December 31, 1896.

	1891	1892	1893	1894	1895	1896	Totals	Totals	Grand Totals
	\$ 238,217.95	\$ 261,330.30	\$ 249,228.82	\$ 234,066.45	\$ 268,492.65	\$ 249,919.90	\$2,041,867.55	\$.....	\$.....
24,000.00	24,029.45	21,728.00	23,889.00	32,535.20	33,848.05	160,029.70	1,881,837.85	548,807.73	1,333,030.12
214,217.95	237,300.85	227,500.82	210,177.45	235,957.45	216,071.85	1,311,431.92	597,124.17	714,307.75	2,900,000.00
63,993.28	58,832.27	63,357.32	62,094.28	38,939.27	36,894.08	222,200.70	3,122,200.70	4,590.48	3,836,508.45
150,224.67	178,468.58	164,143.50	148,083.17	197,018.18	179,177.77				
2,928.26	1,400.13	3,594.91	6,924.66	325.70	12,177.77				
147,296.31	177,068.45	167,738.41	155,007.83	196,692.48	167,000.00				
35,000.00	35,000.00	40,449.50	87,938.37	139,986.30	145,000.00				
112,296.31	142,068.45	127,288.91	67,069.46	56,706.18	22,000.00				
		450,000.00	1,450,000.00	300,000.00	300,000.00				
			135,742.50	39,000.00					
112,296.31	142,068.45	569,788.91	1,652,811.96	395,706.18	22,000.00				
26,558.44							464,551.81		
26,558.44							273,187.13		
834.45	300.00	125.00				1,685.00	737,738.94	4,590.48	
25,723.96									733,178.46
54,377.08	105,464.97	15,843.88	151,053.66	61,659.90	5,035.58				564,133.27
630.70	272.57	508.40					9,688.40		
12,820.73	1,213.35	1,744.80	5,278.75	613.00	1,385.90		47,666.39		
41.60	16,574.09	15,649.71	331.70				33,046.35		
		36,406.98	8,656.17	253.00	749.78		57,245.92		
		169,883.29	208,675.69	16.00			377,312.30		
		218,523.79	296,447.87	2,245.36	52,723.70		599,945.72		
		10,551.36	44,334.86		10.00		54,896.22		
		357.35	261,051.42	27,179.93			288,588.70		
		6.05	63,884.47	14,907.96			78,798.48		
982.90	21,078.25	41,369.73	678,134.29	122,568.09	9,003.94		873,696.96		
			7,349.09	22,748.58	799.20		30,896.87		
5,076.07	853.65	6,860.00	401.51				7,261.51		
		10,187.64	10,797.66	6,262.90	2,236.88		61,463.25		
\$ 99,683.04	\$145,156.88	\$527,772.98	\$1,736,397.14	\$257,192.04	\$70,259.98		\$3,787,818.80		
Balance in the hands of Treasurer applicable to purchase of plant of East Portland Water Co., extension of mains, etc.....									
Amounts invested are: \$733,178.46 for purchase of pumping system and additions; \$564,133.27 for extending distribution system, and \$2,490,507.07 for Bull Run gravity system.....									

* After deducting \$7,500, being 2½ per cent. discount on \$300,000 bonds sold in 1893.

† After deducting \$7,500, being 2½ per cent. discount on \$300,000 bonds sold in 1893.

‡ After deducting from \$477,500 deposited with City Treasurer for paying interest on bonds sold, \$25,375.83 accrued interest received from purchasers.

§ Less \$2,110 for property sold in 1892, 1893 and 1896.

STATEMENT

Of all the Earnings, Receipts and Disbursements by the Water Committee of the City of Portland, Oregon, and the Sub-Committee on Water Works, operating the works, from November 25, 1885, when the Committee was appointed by Act of the Legislature, until December 31, 1896.

EARNINGS AND RECEIPTS	1886	1887	1888	1889	1890
Gross earnings from Water Works.....	\$ 97,502.71	\$ 113,692.06	\$ 148,106.31	\$ 181,310.49	\$ 181,310.49
Deduct due from city for water for Fire Department, etc.....	47,000.77	54,792.44	51,407.17	71,496.85	71,496.85
Cash receipts of Water Works.....	97,502.71	113,692.06	148,106.31	181,310.49	181,310.49
Deduct operating expenses and repairs.....	50,501.94	58,899.62	96,699.14	109,811.55	109,811.55
Deduct increase of property in hands of operating department.....	3,277.31	3,170.03	322.98	8,515.49	8,515.49
Income from Water Works.....	47,224.63	55,729.59	96,376.16	101,298.06	101,298.06
Deduct interest on bonds.....	25,000.00	25,000.00	30,000.00	33,750.00	33,750.00
Net earnings used for extending mains and construction.....	22,224.63	30,729.59	66,376.16	67,548.06	67,548.06
Water bonds sold.....	500,000.00		100,000.00	100,000.00	100,000.00
Premium on bonds.....	39,300.00		5,908.20	9,750.00	9,750.00
Totals.....	\$ 539,300.00	\$ 22,224.63	\$ 31,729.59	\$ 172,284.36	\$ 177,298.06
DISBURSEMENTS					
Water Works purchased Dec. 31, 1886	464,551.81				
Additional pumps and main from Palestine.....			12,279.06	42,026.85	192,322.78
Deduct property sold.....	464,551.81		12,279.06	42,026.85	192,322.78
Net cost of pumping system and 27 miles of distributing mains.....			1,500.00	100.00	16.00
Extending mains of distributing system.....	464,551.81		10,779.06	41,926.85	192,306.78
BULL RUN GRAVITY SYSTEM	560.00	33,939.71	14,273.49	114,068.46	7,850.54
Surveys and explorations.....	7,850.73			426.00	
Land, riparian rights and rights of way	936.85		23,333.01	337.00	
Clearing and roads.....	125.00	324.25			
Head works on Bull Run river.....	7,180.10	2,499.89	1,500.00		
Steel plates for conduit, head works to Mt. Tabor.....					
Manufacturing and laying ditto.....					
Bridges for conduit across Sandy and Bull Run rivers.....					
Manufacturing and laying cast iron conduit, Mt. Tabor to Park.....					
Submerged pipe across William's river.....					
Reservoirs (4) including land.....				59.76	
Portland Heights supply, water power pumps, etc.....					
Telephone line from reservoirs to head works, 30 miles.....					
General expenses.....	4,225.36	16,832.43	2,136.29	1,760.45	1,095.92
Totals.....	\$ 485,427.85	\$ 53,596.28	\$ 52,214.85	\$ 159,098.52	\$ 201,259.24

a After deducting \$300.00 received for property sold in 1892.
 b After deducting \$125.00 received for property sold in 1893.
 c After deducting from account "Steel Plates" \$1,262.68 for plates sold in 1895.
 d Add for decrease in fuel, etc.
 e Including \$200.00 due from City for water in December and paid the following month.
 f Including \$600.00 due from City and excluding \$189.65 paid by Gambrius brewery in advance for 1891.
 g Excluding \$800.00 paid by the City balance due for water to December 31, 1890, and including \$189.65 received from Gambrius brewery as above.
 h Including \$13,172.52, net receipts of City Water Works for December, 1896, turned over to new Treasurer January 13, 1897.
 k After deducting \$1,685 for property sold in 1896.

STATEMENT—Continued

Of all the Earnings, Receipts and Disbursements by the Water Committee of the City of Portland, Oregon, and the Sub-Committee on Water Works, operating the works, from November 25, 1885, when the Committee was appointed by Act of the Legislature, until December 31, 1896.

	1891	1892	1893	1894	1895	1896	Totals	Totals	Grand Totals
	\$ 238,217.95	\$ 261,330.30	\$ 249,228.82	\$ 234,066.45	\$ 268,492.65	\$ 249,919.90	\$ 2,041,867.55		
	24,000.00	24,029.45	21,728.00	23,889.00	32,535.20	33,848.05	160,029.70		
	24,217.95	237,300.85	227,500.82	210,177.45	235,957.45	216,071.85	1,881,837.85		
	63,998.28	58,832.27	63,357.32	62,094.23	38,939.27	36,894.08	548,807.73		
	150,224.67	178,468.58	164,143.50	148,083.17	197,018.18	179,177.77	1,333,030.12		
	2,928.36	1,400.13	3,594.91	6,924.66	325.70	12,177.77	21,598.20		
	147,296.31	177,068.45	167,738.41	155,007.83	196,692.48	167,000.00	1,311,431.92		
	35,000.00	35,000.00	40,449.50	87,938.37	139,986.30	145,000.00	597,124.17		
	112,296.31	142,068.45	127,288.91	67,069.46	56,706.18	22,000.00	714,307.75		
			450,000.00	1,450,000.00	300,000.00		2,900,000.00		
				135,742.50	39,000.00		* 222,200.70		
	112,296.31	142,068.45	569,788.91	1,652,811.96	395,706.18	22,000.00		3,122,200.70	3,836,508.45
							464,551.81		
	36,558.44						273,187.13		
	36,558.44						737,738.94		
	894.48	300.00	125.00			1,685.00	4,590.48		
	25,723.96						733,178.46		
	54,377.08	105,464.97	15,843.88	151,053.66	61,659.90	5,035.58	564,133.27		
							9,688.40		
	630.70	272.57	508.40				47,666.39		
	12,820.73	1,213.35	1,744.80	5,278.75	613.00	1,385.90	33,046.35		
	41.60	16,574.09	15,649.71	331.70			57,245.92		
			36,406.98	8,656.17	253.00	749.78	377,312.30		
			169,883.29	208,675.69	16.00		599,945.72		
			218,523.79	296,447.87	2,245.36	52,723.70	54,896.22		
			10,551.36	44,334.86		10.00	288,588.70		
			357.35	261,051.42	27,179.93		78,798.48		
			6.05	63,884.47	14,907.96		873,696.96		
	962.90	21,078.25	41,369.73	678,134.29	122,568.09	9,003.94	30,896.87		
				7,349.09	22,748.58	799.20	7,261.51		
			6,860.00	401.51			61,463.25		
	5,076.07	853.65	10,187.64	10,797.66	6,262.90	2,236.88	2,490,507.07		
	\$ 99,633.04	\$ 145,156.88	\$ 527,772.98	\$ 1,736,397.14	\$ 257,192.04	\$ 70,259.98	\$ 3,787,818.80		
Balance in the hands of Treasurer applicable to purchase of plant of East Portland Water Co., extension of mains, etc.....							48,689.65		
Amounts invested are: \$733,178.46 for purchase of pumping system and additions; \$564,133.27 for extending distribution system, and \$2,490,507.07 for Bull Run gravity system.....								\$3,836,508.45	

* After deducting \$7,500, being 2 1/2 per cent. discount on \$300,000 bonds sold in 1893.
 † After deducting \$7,500, being 2 1/2 per cent. discount on \$300,000 bonds sold in 1893.
 ‡ After deducting from \$477,500 deposited with City Treasurer for paying interest on bonds sold, \$25,375.83 accrued interest received from purchasers.
 § Less \$2,110 for property sold in 1892, 1893 and 1896.

WATER COMMITTEE'S REPORT.

SUMMARY.

Total amount invested in the plant to December 31, 1895		\$3,814,508.45	
Deduct balance in hands of treasurer December 31, 1895.....		96,949.63	
			<u>\$3,717,558.82</u>
Disbursements during 1896.....	\$ 217,850.98		
Deduct interest on bonds.....	145,000.00		
			<u>\$ 70,259.98</u>
Disbursement on account construction.....	\$ 72,850.98		
Deduct property sold as above.....	2,591.00		
			<u>\$ 70,259.98</u>
Balance in hands of treasurer Dec. 31, 1896....	\$ 48,689.65	\$ 118,949.63	
			<u>\$ 118,949.63</u>
Total amount invested in the plant to December 31, 1896.....			<u>\$3,836,508.45</u>

WATER BONDS SOLD TO DATE.

700 bonds (1 to 700) dated January 1, 1887, maturing January 1, 1917.....	\$ 700,000.00	
2200 bonds (1 to 2200) dated July 1, 1893, maturing July 1, 1923.....	2,200,000.00	
		<u>\$2,900,000.00</u>
Total water bonds of the city outstanding to date, at 5 per cent.....		<u>\$2,900,000.00</u>

HENRY FAILING,
Chairman Water Committee.

FRANK T. DODGE, Clerk.
Portland, Oregon, December 31, 1896.