

CITY OF PORTLAND
OREGON

MAYOR'S MESSAGE

AND

MUNICIPAL REPORTS

FOR THE

FISCAL YEAR ENDING
DECEMBER 31

1898

PORTLAND, OREGON
MULTNOMAH PRINTING COMPANY
1899

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OFFICERS OF THE CITY GOVERNMENT

Mayor William S. Mason
(Died March 27th, 1899.)

Auditor A. N. Gambell

Deputy Auditor Sigel Grutze

Deputy Auditor T. C. Devlin

Treasurer Frank Hacheny

Deputy Treasurer E. Werlein

City Attorney J. M. Long

Deputy City Attorney R. R. Duniway

Deputy City Attorney W. M. Davis

City Engineer W. B. Chase

Chief Clerk, City Engineer William Kapus

Draughtsman, City Engineer A. Reuter

Draughtsman, City Engineer Seth Catlin

Deputy City Engineer William Braden

Deputy City Engineer J. W. Brown

Deputy City Engineer A. M. Shannon

Deputy City Engineer George Bodman

Deputy City Engineer Robert Austin

Deputy City EngineerE. W. Paget
 Deputy City EngineerJohn Baker
 Deputy City EngineerJesse Hannon
 Municipal JudgeFrank Hennessy
 Chief of PoliceD. M. McLaughlan
 Superintendent of Street Cleaning and Sprinkling.....E. Ryan
 License InspectorS. C. Beach
 Deputy License Inspector.....Philip Rogoway
 Inspector of Plumbing and Drainage.....M. P. Fleming
 Deputy Inspector of Plumbing and Drainage.....W. Adams
 ✓ Health CommissionerJ. P. Menefee
 ParkkeeperC. M. Myers
 Harbor MasterO. Jones
 Pound MasterE. Robinson

COMMON COUNCIL

President of the Council.....W. A. Storey
 First WardW. A. Storey
 Second WardJohn A. Martin
 Third WardJ. D. Meyer
 Fourth WardGeo. L. Baker
 Fifth WardWm. Showers
 Sixth WardJ. C. Luckel
 Seventh WardH. A. Belding
 Eighth WardGeo. J. Cameron
 Ninth WardFred W. Hanson
 Tenth WardJ. C. Jameson
 Eleventh WardN. D. Beutgen

STANDING COMMITTEES OF THE COMMON COUNCIL

WAYS AND MEANS.

Meets Monday, Council Week.

Wm. Showers, Geo. J. Cameron, Geo. L. Baker.

ACCOUNTS AND CURRENT EXPENSES.

Meets Tuesday, Council Week.

J. C. Jameson, Wm. Showers, W. A. Storey.

STREET CLEANING AND SPRINKLING.

Meets Thursday preceding Council Week.

Geo. L. Baker, W. A. Storey, J. C. Jameson,
Fred W. Hanson, J. D. Meyer.

STREETS.

Meets Saturday preceding Council Week.

J. A. Martin, Geo. J. Cameron, Wm. Showers,
J. C. Luckel, Fred W. Hanson.

SEWERS AND DRAINAGE.

Meets Friday preceding Council Week.

W. A. Storey, J. D. Meyer, N. D. Beutgen,
H. A. Belding, J. C. Jameson.

PARKS AND PUBLIC PROPERTY.

Meets Wednesday preceding Council Week.

Fred W. Hanson, J. A. Martin, J. C. Luckel.

HEALTH AND POLICE.

Meets Friday preceding Council Week.

N. D. Beutgen, J. A. Martin, J. C. Jameson.

JUDICIARY AND ELECTIONS.

Meets Monday, Council Week.

Geo. J. Cameron, Wm. Showers, J. C. Luckel.

STREET LIGHTING.

No regular day of Meeting.

J. C. Luckel, W. A. Storey, H. A. Belding,
Geo. L. Baker, J. D. Meyer.

LICENSES.

Meets Tuesday, Council Week.

J. D. Meyer, Geo. L. Baker, N. D. Beutgen.

COMMERCE, LANDINGS AND WHARVES.

Meets Tuesday preceding Council Week.

H. A. Belding, J. A. Martin, N. D. Beutgen.

WATER.

Meets Tuesday, Council Week.

H. A. Belding, Geo. J. Cameron, Fred W. Hanson.

LIQUOR LICENSE.

Wm. Showers, J. A. Martin, Fred W. Hanson,
N. D. Beutgen, J. C. Luckel.

Regular meetings of Common Council on 1st and 3d Wednesdays in each month. The Common Council and all Committees meet at 2 o'clock P. M.

BOARD OF PUBLIC WORKS

W. S. MASON, Chairman (deceased). A. N. GAMBELL, Clerk.
Frank Hacheney. J. M. Long. W. B. Chase.

HEALTH DEPARTMENT

Board of Health {W. S. Mason, Mayor (deceased)
.....D. M. McLauchlan, Chief of Police
.....N. D. Beutgen, Councilman
.....Dr. C. H. Wheeler, City Physician
.....J. P. Menefee, Health Commissioner

POLICE DEPARTMENT

Board of Police Commissioners {James E. Hunt
.....Geo. W. Bates
.....D. Solis Cohen
.....D. McLauchlan, ex-officio
PresidentJames E. Hunt
SecretaryLouis Rau
Municipal JudgeFrank Hennessy
Chief of PoliceD. M. McLauchlan
Captains of Police {Robert Holman
.....S. J. Hoare
Clerk of Police Department.....James Roberts
Humane OfficerJ. L. Wells

REGULAR MEETINGS OF THE COMMON COUNCIL

First and Third Wednesdays of Each Month,
at Two O'clock, P. M.

COMMITTEE MEETINGS

COUNCIL WEEK.

MondayWays and Means
MondayJudiciary and Elections
TuesdayLicense
TuesdayStreet Lighting
TuesdayAccounts and Current Expenses

WEEK BEFORE COUNCIL MEETING.

TuesdayCommerce, Landings and Wharves
WednesdayParks and Public Property
ThursdayStreet Cleaning and Sprinkling
FridaySewers and Drainage
FridayHealth and Police
SaturdayStreets

Committees meet at 2 P. M.

BOARD OF FIRE COMMISSIONERS

H. S. ROWE, President.

Wm. FLIEDNER,

RICHARD EVERDING.

OFFICERS:

David Campbell Chief Engineer

M. Laudenklos Assistant Engineer
(District East Side.)

Lee Holden District Engineer
(District North of Morrison Street.)

John Young District Engineer
(District South of Morrison Street.)

M. Laudenklos Acting District Engineer

Geo. J. Walker Superintendent Fire Alarm

Office of the Board of Fire Commissioners:

CITY HALL.

MILTON WEIDLER, Secretary.

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

FIREMAN'S MUTUAL RELIEF ASSOCIATION

OFFICERS:

H. S. ROWE, President.

WILLIAM FLIEDNER, Treasurer.

MILTON WEIDLER, Secretary.

BOARD OF DIRECTORS:

H. S. ROWE,

WM. FLIEDNER,

RICHARD EVERDING,

DAVID CAMPBELL,

MILTON WEIDLER.

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,

R. D. Inman,

J. Loewenberg,

G. W. Bates,

S. E. Josephi,

C. H. Raffety,

J. C. Carson,

R. B. Knapp,

H. S. Rowe,

C. A. Dolph,

C. Kohn,

H. W. Scott,

J. E. Haseltine,

W. M. Ladd,

J. N. Teal,

C. H. Hill,

L. A. Lewis,

L. Therkelsen.

H. W. CORBETT, Chairman.

L. A. LEWIS, Treasurer.

FRANK T. DODGE, Clerk.

SUB-COMMITTEE ON CONSTRUCTION.

C. A. Dolph,

J. N. Teal,

H. W. Corbett,

J. Loewenberg,

L. Therkelsen.

SUB-COMMITTEE ON WATER WORKS.

C. H. Raffety,

W. M. Ladd.

Frank T. Dodge, 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 3, 1899.

To the Common Council, City of Portland:

Gentlemen—Complying with the requisitions of the charter, I here-
with submit to you my annual message and report:

RECEIPTS.

	1897.	1898.
Taxes	\$248,044.71	\$ 227,836.57
Taxes, delinquent	35,885.53	114,243.55
General licenses	123,163.95	123,587.80
Municipal court	3,436.80	2,166.00
Miscellaneous	6,093.51	16,333.99
Sale of bonds (\$430,000.00) and premium.....	536,774.73
	\$416,624.50	\$1,020,942.64

EXPENDITURES.

Expenditures	\$599,187.09	\$ 566,126.96
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It is very gratifying to yourselves and to the citizens of Portland that the credit of our city stands as high as it does. The charter authorized the City of Portland to sell \$450,000.00 of 5 per cent. bonds, to run for a period of thirty years, for the purpose of taking up the outstanding warrants that had been issued and not paid for want of funds. Your Committee on Ways and Means advertised for bids on the bonds. The high premium offered gave the city money enough to pay the outstanding warrants by issuing but \$430,000.00 of the bonds, instead of \$450,000.00. Almost all of the outstanding warrants have been paid; the remainder will be taken up as fast as presented to the Treasurer for payment. The payment of these warrants will clear off the last dollar of floating indebtedness, and put the city on an actual cash basis; and by the provisions of the charter we are compelled to remain so, as no debt or liability shall be incurred unless the money is in the funds to pay the same.

Economy must be exercised to enable the different departments to give efficient service on the amount allotted for their support.

THE BOARD OF PUBLIC WORKS.

Is in our city an experiment. Many cities which have transferred to a Board of Public Works the charge and execution of all improvements and the charge of all bodies in the city, the execution of whose duties requires an expenditure of money, have been highly gratified with the trust reposed in that body; the legislative branch of the city government remaining in the City Council, who inaugurate improvements and must legislate on the finances, authorizing all expenditures, are relieved from the burden of letting contracts and carrying out in detail the execution of the same. I am satisfied when our people become conversant with the working of the different departments they will be well satisfied with this provision of the new charter.

STREET CLEANING AND SPRINKLING DEPARTMENT.

On this department depends the cleanly condition of our streets, which means that our streets shall be freed from accumulations which would be offensive to the sight; also that those accumulations should be removed to improve the general sanitary condition of our city. The scarcity of funds will not permit our making as great an expenditure in this line as we should like to do. We have been compelled in the interest of economy to cut down the force from about 70 to 40 men, and we expect as good results on the streets with this number as formerly.

The sprinkling of the streets during the dry season is an expense that we have not the money to meet, and do the service that the public would desire. In many cities the street sprinkling is done by private enterprise and paid for by the citizens on the streets where the sprinkling is desired to be done. This plan will probably be adopted by our city. The expense to each individual benefited will be small. In cities where this plan is adopted it proves very satisfactory.

THE PARK DEPARTMENT.

Insufficient appropriations for the improvement of parks has prevented as great a development in the different bodies of land dedicated for park purposes as our citizens would desire, but the money expended on the park has produced a beautiful place of resort and one in which our citizens take much pride.

THE CREMATORY

Has now been in operation a sufficient length of time to demonstrate the utility of it, and the absolute necessity of the cremation of all the garbage of the city as a sanitary measure.

HEALTH DEPARTMENT.

The City Physician and Health Officer have been diligent in locating all cases of contagious disease and tracing, as far as possible, its origin; and, when reasonably attributable to defective plumbing or surroundings detrimental to health, have taken steps to have the same corrected at once. The general health of our city is good, and its sanitary condition is as good as it is possible for a city to be which covers as large an area as ours. Many portions are not provided with sewers, but the people are having them put in as rapidly as they can. The death rate is less per 100 inhabitants than in many cities of much greater age and many more improvements than we have. We trust that due and careful attention to all cases of contagious diseases, properly quarantining the cases to prevent spreading, may avert any epidemic in our city.

There is one subject that I will speak of that does not come within your jurisdiction to remedy, yet is a subject worthy of thought and consideration. The county levies a tax of, say, 5 and 6 mills for county purposes. Of this tax over nine-tenths is paid by the City of Portland. The tax levied by the county is expended for the payment of county officials, etc., a very small fraction thereof to the maintenance and operation of the bridges across the Willamette within the limits of Portland. The thought presents itself: That if the county and city were consolidated under, say, the City and County of Portland, would not the saving of one set of officers be a great gain to the taxpayers of the county? Would not much better results be obtained from the levy of 13 or 14 mills for joint use, than from separate and independent governments, each spending their proportion of the above levy? Or would it not result in a saving of 2 or 3 mills to the taxpayers of the county to have but the one organization and one set of officials? This matter is worthy of thought.

Respectfully submitted,

W. S. MASON,
Mayor.

AUDITOR'S ANNUAL REPORT

For Year Ending December 31, 1898

GENERAL FUND—Redemption of Warrants.

Received from sale of bonds:

Par value	\$430,000.00	
Premium	106,774.73	
		<u>\$536,774.73</u>

CONTRA.

Warrants paid and returned to December 31, 1898, as follows:

General fund	\$136,221.49	
Fire department fund	55,903.84	
Police department fund	81,384.89	
Street Cleaning and sprinkling fund	73,130.83	
Lamp fund	76,155.58	
Interest paid on above warrants	26,414.87	
Balance in fund December 31, 1898.....	87,563.23	
		<u>\$536,774.73</u>

GENERAL FUND.

Balance in fund December 31, 1897 \$ 5,024.49

Receipts:

Tax roll, 1898	\$ 92,558.61
Delinquent taxes	81,794.40
General licenses (87½ per cent.)	108,139.33
Dog licenses	3,267.00
Costs on delinquent street and sewer assessments	542.80
Poundmaster—fees	719.00
Rent of offices, new City Hall	1,300.00
Transferred from sundry improvement funds....	748.82
Transferred from sundry sewer funds	441.93
Transferred from sundry street extension funds..	21.00
Sale of boiler and engine of Stark-street ferry...	1,555.00
Premium on improvement bonds	2,753.94
Redemption of property	2,881.95

Sale of elk	425.00
Rent of block No. 132	250.00
Rent of park	26.00
Abatement of nuisance	20.63
Sale of bear	15.00
Repairs to sidewalks	9.55
Sale of pigeons	4.15
	<u>\$297,474.11</u>
	\$302,498.60

CONTRA.

Transferred to:

Bonded indebtedness interest fund	\$ 50,750.00
Fund for repayment 2-mill tax	1,400.00
Lamp fund	92,455.94
Fund for improvement of McMillen street and Williams avenue	195.05
Fund for extension of Twenty-fifth street	10.00
Fire department fund	16,700.00
Police department fund	87,900.00
Street cleaning and sprinkling fund	1,800.00
Improvement bond interest fund	3,370.00
Interest paid on warrants called prior to Octo- ber 22, 1898	1,059.37
Warrants paid and returned to December 31, 1898	34,225.58
Balance in fund December 31, 1898	12,632.66
	<u>\$302,498.60</u>

WARRANTS DRAWN.

Warrants drawn on account of general fund to December 31, 1898	\$132,832.73
Warrants outstanding December 31, 1897	79,298.79
	<u>\$212,131.52</u>
Warrants paid and returned to December 31, 1898.	\$ 34,225.58
Warrants charged to redemption account, general fund	136,221.49
Warrants outstanding December 31, 1898	41,303.50
Warrants cancelled	380.95
	<u>\$212,131.52</u>

(Note.—For detailed statement of warrants drawn, see page 30.)

FIRE DEPARTMENT FUND.

Balance in fund December 31, 1897	\$ 2,367.40
Receipts:	
Tax roll, 1898	\$ 64,079.04
Delinquent taxes	29,157.73
Transferred from general fund	16,700.00
Cutting wires	10.00
	<u>\$109,946.77</u>
	\$112,314.17

CONTRA.

Warrants paid and returned to December 31, 1898.	\$ 98,248.19
Interest paid on warrants called prior to Octo- ber 22, 1898	4,723.37
Balance in fund December 31, 1898	9,342.61
	<u>\$112,314.17</u>

WARRANTS DRAWN.

General expenses Fire department	\$107,709.34
Warrants outstanding December 31, 1897	65,926.15
	<u>\$173,635.49</u>
Warrants paid and returned to December 31, 1898.	\$ 98,248.19
Warrants charged to redemption account, general fund	55,903.84
Warrants outstanding December 31, 1898	19,447.63
Warrants cancelled	35.83
	<u>\$173,635.49</u>

(Note.—For detailed statement of warrants drawn, see page 35.)

POLICE DEPARTMENT FUND.

Balance in fund December 31, 1897	\$ 979.98
Receipts:	
Delinquent taxes	\$ 3,291.42
Boarding prisoners	42.00
Sale of horse	10.00
Transferred from general fund	87,900.00
	<u>\$ 91,243.42</u>
	\$ 92,223.40

CONTRA.

Warrants paid and returned to December 31, 1898.	\$ 82,559.12
Interest paid on warrants called prior to October 22, 1898	9,409.62
Balance in fund December 31, 1898	254.66
	<u>\$ 92,223.40</u>

WARRANTS DRAWN.

General expenses Police department	\$ 76,257.12
Warrants outstanding December 31, 1897	117,248.76
	<u>\$193,505.88</u>
Warrants paid and returned to December 31, 1898.	\$ 82,559.12
Warrants charged to redemption account, general fund	81,384.89
Warrants outstanding December 31, 1898	29,557.97
Warrants cancelled	3.90
	<u>\$193,505.88</u>

(Note.—For detailed statement of warrants drawn, see page 35.)

STREET CLEANING AND SPRINKLING FUND.

Balance in fund December 31, 1897	\$ 1,678.40
Receipts:	
Municipal court—fines and costs	\$ 2,166.00
Sale of horses	150.00
Sale of cart saddle	2.50
General business licenses (12½ per cent.)	15,448.47
Transferred from general fund	1,800.00
Sale of manure	1.00
	<u>\$ 19,567.97</u>
	<u>\$ 21,246.37</u>

CONTRA.

Warrants paid and returned to December 31, 1898.	\$ 18,505.73
Interest paid on warrants called prior to October 22, 1898	1,415.57
Balance in fund December 31, 1898	1,325.07
	<u>\$ 21,246.37</u>

WARRANTS DRAWN.

General expenses Street Cleaning and Sprinkling Department	\$ 48,257.82
Warrants outstanding December 31, 1897	48,693.65
	<u>\$ 96,951.47</u>
Warrants paid and returned to December 31, 1898.	\$ 18,505.73
Warrants charged to redemption account, general fund	73,130.83
Warrants outstanding December 31, 1898	5,291.91
Warrants cancelled	23.00
	<u>\$ 96,951.47</u>

(Note.—For detailed statement of warrants drawn, see page 34.)

EAST PORTLAND WATER FUND.

Balance in fund December 31, 1897	\$ 16.35
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CONTRA.

Balance in fund December 31, 1898	\$ 16.35
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WARRANTS.

Warrants outstanding December 31, 1897	\$ 16.35
Warrants cancelled	\$ 16.35

EAST SIDE WATER EXPENSE FUND.

Balance in fund December 31, 1897	\$ 1.90
Balance in fund December 31, 1898	\$ 1.90

WARRANTS.

Warrants outstanding December 31, 1897	\$ 1.90
Warrants cancelled	\$ 1.50
Warrant outstanding December 31, 1898 .....	.40
	<u>\$ 1.90</u>

WILLAMETTE RIVER FUND.

Balance in fund December 31, 1897	\$ 8.71
Balance in fund December 31, 1898	\$ 8.71

WARRANTS.

Warrants outstanding December 31, 1897	\$	4.75
Warrants cancelled	\$	4.75

LAMP FUND.

Balance in fund December 31, 1897	\$	10.00
Received by transfer from general fund	92,455.94	
	\$	92,465.94

CONTRA.

Warrants paid and returned to December 31, 1898.	\$	86,316.47
Interest paid on warrants called prior to October 22, 1898	6,149.47	
	\$	92,465.94

WARRANTS DRAWN.

Lighting City of Portland	\$	76,463.46
Warrants outstanding December 31, 1897	86,010.34	
	\$	162,473.80
Warrants paid and returned to December 31, 1898.	\$	86,316.47
Warrants charged to redemption account, general fund	76,155.58	
Warrants outstanding December 31, 1898	0.00	
Warrants cancelled	1.75	
	\$	162,473.80

INTEREST FUND, BONDED INDEBTEDNESS.

Balance in fund December 31, 1897	\$	30,503.02
Receipts:		
Tax roll, 1898	\$	71,198.92
Transferred from general fund	50,750.00	
Accrued interest on bonds	1,134.72	
	\$	123,083.64
	\$	153,586.66

CONTRA.

Coupons paid and returned as follows:

Bonded indebtedness, Portland	\$	37,165.00
Bonded indebtedness, East Portland	17,640.00	
Bonded indebtedness, Albina	4,860.00	

59665
37025
96690

Bonded indebtedness, bridge and ferry bonds.....	37,025.00	
Warrants paid and returned to December 31, 1898.	118.41	
Balance in fund December 31, 1898	56,778.25	
	\$	153,586.66

WARRANTS DRAWN.

New York exchange	\$	155.66
Warrants paid and returned to December 31, 1898.	\$	118.41
Warrants outstanding December 31, 1898	37.25	
	\$	155.66

FIRE BADGE REDEMPTION FUND.

Balance in fund December 31, 1897	\$	75.00
Balance in fund December 31, 1898	\$	75.00

BOULEVARD FUND.

Balance in fund December 31, 1897	\$	217.77
Balance in fund December 31, 1898	\$	217.77

WATER BONDS INTEREST FUND.

Balance in fund December 31, 1897	\$	72,725.00
Received from Water Committee	72,500.00	
	\$	145,225.00

CONTRA.

Coupons paid and returned to December 31, 1898.	\$	145,000.00
Balance in fund December 31, 1898	225.00	
	\$	145,225.00

LITIGATION FUND.

Balance in fund December 31, 1897	\$	4.46
Received from general fund by warrants	500.00	
Received from City Attorney	2.00	
	\$	506.46

CONTRA.

Expense of litigation as per returned vouchers...	\$	435.99
Balance in fund December 31, 1898	70.47	
	\$	506.46

IMPROVEMENT FUND.

Balance in fund December 31, 1897, deposited with Ladd & Tilton	\$ 19,857.12	
Received from payment of bonded liens	15,909.16	
		\$ 35,784.28

CONTRA.

Deposited with Ladd & Tilton	\$ 33,311.13	
Cash in treasury	2,473.15	
		\$ 35,784.28

IMPROVEMENT BOND INTEREST FUND.

Balance in fund December 31, 1897	\$ 1,160.85	
Receipts:		
Interest on bonded liens	\$ 5,231.09	
Transferred from general fund	3,370.00	\$ 8,651.09
		\$ 9,811.94

CONTRA.

Improvement bond coupons paid and returned to December 31, 1898	\$ 8,566.17	
Balance in fund December 31, 1898	1,245.77	
		\$ 9,811.94

STREET IMPROVEMENT FUNDS.

Total balances in funds December 31, 1897	\$ 8,451.61	
Received from collections	81,746.82	
Received by transfer from general fund	195.05	
		\$ 90,411.48

CONTRA.

Total expenditures for street improvements	\$ 83,498.08	
Transferred to general fund	748.82	
Total balances in funds December 31, 1898	6,164.58	
		\$ 90,411.48

SEWER FUNDS.

Total balances in funds December 31, 1897	\$ 1,220.69	
Received from collections	7,487.24	
		\$ 8,707.93

CONTRA.

Total expenditures for sewers	\$ 7,468.14	
Transferred to general fund	441.93	
Total balances in funds December 31, 1898	797.86	
		\$ 8,707.93

STREET EXTENSION FUND.

Total balances in funds December 31, 1897	\$ 2,915.24	
Received from collections	1,481.50	
Received by transfer from general fund	10.00	
		\$ 4,406.74

CONTRA.

Total expenditures for street extensions	\$ 2,502.64	
Transferred to general fund	21.00	
Total balances in funds December 31, 1898	1,883.10	
		\$ 4,406.74

STREET AND SEWER INTEREST FUND.

Balance in fund December 31, 1897	\$ 1,087.80	
Received from collections	1,484.88	
		\$ 2,572.68

CONTRA.

Warrants paid and returned to December 31, 1898	\$ 209.76	
Interest on warrants paid by Treasurer	1,252.31	
Balance in fund December 31, 1898	1,111.61	
		\$ 2,572.68

WARRANTS DRAWN.

Interest on street and sewer warrants	\$ 209.76	
Warrants paid and returned to December 31, 1898	209.76	

FUND FOR REPAYMENT OF TWO-MILL TAX.

Balance in fund December 31, 1897	\$ 96.51	
Received by transfer from general fund	1,400.00	
		\$ 1,496.51

CONTRA.

Warrants paid and returned to December 31, 1898.	\$ 1,459.06	
Balance in fund December 31, 1898	37.45	
		\$ 1,496.51

WARRANTS DRAWN.

For repayment of 2-mill tax	\$ 1,428.38	
Warrants outstanding December 31, 1897	68.01	
		\$ 1,496.39
Warrants paid and returned to December 31, 1898.	\$ 1,459.06	
Warrants outstanding December 31, 1898	37.33	
		\$ 1,496.39

SUMMARY OF BALANCES IN TREASURY.

General fund (redemption of warrants)	\$ 87,563.23	
General fund	12,632.66½	
Fire department fund	9,342.61	
Police department fund	254.66	
Street cleaning and sprinkling fund	1,325.07	
East Side water expense fund	1.90	
Interest fund bonded indebtedness	56,778.25	
Fire badge redemption fund	75.00	
Boulevard fund	217.77	
Water bonds interest fund	225.00	
Litigation fund	70.47	
Street improvement funds	6,164.58½	
Sewer funds	797.85	
Street extension funds	1,883.10	
Improvement bond interest fund	1,245.77	
Street and sewer interest fund	1,111.61	
Improvement fund—Deposited with		
Ladd & Tilton	\$33,311.13	
Balance in treasury	2,473.15	\$ 35,784.28
Fund for repayment of 2-mill tax	37.45	
East Portland water fund	16.35	
Willamette river fund	8.71	
		\$215,536.34

SUMMARY OF RECEIPTS AND DISBURSEMENTS, OTHER THAN THOSE REALIZED FROM THE SALE OF BONDS.

RECEIPTS.

Total balances in treasury December 31, 1897		\$148,420.31
From Water Committee, on account of interest on		
water bonds	\$ 72,500.00	
From street improvement assessments	81,764.82	
From sewer assessments	7,487.24	
From street extension assessments	1,481.50	
From all other sources	506,131.29	\$669,364.85
		\$817,785.16

DISBURSEMENTS.

Interest on water bonds	\$145,000.00	
For street improvements	83,498.08	
For sewers	7,468.14	
For street extensions	2,502.64	
For all other purposes	451,343.19	
Total expenditures	\$689,812.05	
Balances	127,973.11	
		\$817,785.16

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

Warrants outstanding December 31, 1897	\$397,268.70	
Warrants drawn on general fund	132,832.73	
Warrants drawn on Fire department fund	107,709.34	
Warrants drawn on Police department fund	76,257.12	
Warrants drawn on street cleaning and sprinkling		
fund	48,257.82	
Warrants drawn on lamp fund	76,463.46	
Warrants drawn on interest fund, bonded indebt-		
edness	155.66	
Warrants drawn on fund for repayment of 2-mill		
tax	1,428.38	
Warrants drawn on street and sewer interest fund		
	209.76	
		\$840,582.97

Warrants paid and returned to December 31, 1898:

General fund	\$ 34,225.58
Fire department fund	98,248.19
Police department fund	82,559.12
Street cleaning and sprinkling fund	18,505.73
Lamp fund	86,316.47
Bonded indebtedness interest fund	118.41
Street and sewer interest fund	209.76
Fund for repayment of 2-mill tax	1,459.06
Charged to redemption account, general fund:	
General fund	\$136,221.49
Fire department fund	55,903.84
Police department fund	81,384.89
Street cleaning and sprinkling fund	73,130.83
Lamp fund	76,155.58

Warrants outstanding, December 31, 1898—

General fund	\$ 6,454.35
Fire department fund	8,490.20
Police department fund	18.23
Street cleaning and sprinkling fund.....	46.64
East Side water expense fund .....	.40
Fund for repayment of two-mill tax.....	37.33
Interest fund bonded indebtedness.....	37.25

Payable out of redemption account, general fund—

General fund	\$33,849.15
Fire department fund	10,957.43
Police department fund	29,539.74
Street cleaning and sprinkling fund.....	5,245.27
Street cleaning and sprinkling fund.....	468.03
Warrants canceled	\$840,582.97

DETAILED STATEMENT OF DEMANDS AUDITED AND OF INTEREST PAID BY THE CITY OF PORTLAND DURING THE FISCAL YEAR 1898.

GENERAL FUND.

Mayor and Common Council:

Salary of Mayor	\$ 5,000.00
Salary of Councilmen	11,000.00
	\$ 16,000.00

Auditor's Department:

Salary of Auditor	\$ 2,400.00
Salary of deputies and clerks	6,480.00
Stationery and blanks	1,060.20
Miscellaneous expenses	190.95
	\$ 10,131.15

City Treasurer's Department:

Salary of City Treasurer	\$ 3,000.00
Salary of deputy	1,500.00
Stationery and blanks	94.20
Miscellaneous expense	115.50
	\$ 4,709.70

City Attorney's Department:

Salary of City Attorney	\$ 3,000.00
Salary of deputies	2,700.00
Salary of stenographer	300.00
Litigation and judgments	6,388.74
Stationery and blanks	413.05
Miscellaneous	59.75
	\$ 12,861.54

City Surveyor's Department:

Salary of City Surveyor	\$ 1,935.49
Salary of assistant surveyors	3,870.96
Salary of chairmen, rodmen, etc.....	3,492.50
Stationery and blanks	135.13
Miscellaneous expense	103.15
	\$ 9,537.23

Superintendent of Streets' Department:

Salary of Superintendent of Streets	\$ 1,800.00
Salary of deputies	4,815.00
Labor repairing streets and bridges	5,347.62
Material repairing streets and bridges	1,846.45
Labor repairing sewers	2,357.75
Material repairing sewers	632.18
Street inspectors	1,227.50
Feed, horseshoeing and repairs	507.76
Stationery and blanks	142.25
Miscellaneous expense	110.12
	\$ 18,786.63

City Engineer's Department:

Salary City Engineer	\$ 400.00
Salary of deputies	2,023.55
Salary of rodmen, axmen, etc.....	510.00

4615
760.13
14912.36

Labor repairing streets and bridges	964.00	
Material repairing streets and bridges	375.86	
Labor repairing sewers	457.00	
Material repairing sewers	110.20	
Street inspectors	387.35	
Feed, horseshoeing and repairs	117.09	
Stationery and blanks	77.56	
Miscellaneous expense	5.00	
		\$ 5,427.61

Municipal Court:

Salary of Judge	\$ 2,767.77	
Salary of clerk	1,441.90	
Pay of interpreters	30.00	
Stationery and blanks	209.02	
Miscellaneous	1.00	
		\$ 4,449.69

Inspector of Plumbing and Drainage:

Salary of Inspector	\$ 1,200.00	
Salary of deputy	375.00	
Stationery and blanks	29.60	
Miscellaneous	5.00	
		\$ 1,609.60

Poundmaster's Department:

Salary of Poundmaster	\$ 1,080.00	
Salary of assistants	1,262.30	
Feed for horses, and impounding stock	588.32	
Harness, horseshoeing and repairs	165.55	
Purchase of wagon and harness	133.55	
Miscellaneous expense	481.95	
Stationery and blanks	11.58	
		\$ 3,723.25

Health Department:

Salary of City Physician	\$ 1,500.00	
Account care indigent sick	1,452.90	
Salary of health commissioner	1,080.00	
Stationery and blanks	131.60	
Miscellaneous expense	123.05	
		\$ 4,287.55

Harbor Police and Harbor-master:

Salary of Harbor-master	\$ 390.00	
Salary of harbor policeman	900.00	
Miscellaneous	15.00	
		\$ 1,305.00

City Park and Grounds:

Salary of Park-keeper	\$ 900.00	
Pay of laborers	5,592.50	
Feed for animals	1,772.10	
Lumber, hardware, wood, etc.....	1,083.37	
Water for park blocks and fountains	66.96	
Miscellaneous expense	51.80	
Horses	225.00	
Stationery	4.00	
		\$ 9,695.73

City Hall, Expense of:

Salary of janitors and watchmen	\$ 3,140.00	
Heating and lighting	2,500.00	
Repairs and janitors' supplies	889.91	
Insurance	268.00	
Repair stone wall	150.00	
Flag-pole	130.00	
		\$ 7,077.91

Crematory (New), Construction of:

Engle Crematory Co., account contract	\$ 1,000.00	
		\$ 1,000.00

Cremation of Garbage:

Labor operating new crematory	\$ 3,425.00	
Wood, new crematory	2,521.08	
Miscellaneous expense, new crematory	205.93	
		\$ 6,152.01

Operating Steel Bridge:

Rent of bridge	\$ 2,800.00	
Pay of employes	2,790.00	
Miscellaneous expense	1,242.88	
		\$ 6,832.88

License Inspector:

Salary of License Inspector	\$ 853.50	
Miscellaneous	57.50	
		\$ 911.00

Miscellaneous:

Purchase Ross curios	\$ 1,000.00	
Printing Municipal Reports	276.80	
Advertising	1,265.27	
Relief of sundry persons	183.59	
Pay of viewers	360.00	

743.88

AUDITOR'S REPORT.

Purchase of level	130.00
Purchase of road-rollers	1,000.55
Improvement of streets, city property	89.34
Miscellaneous expense	463.89
Merchandise tax returned	3,418.11
Purchase license tags	146.70
Interest on called warrants	1,059.37
	\$ 9,393.62

Grand total, account general fund \$133,892.10

STREET LIGHTING FUND.

Portland General Electric Co.....	\$ 76,463.46
Interest on called warrants	6,149.47
	\$ 82,612.93

STREET CLEANING AND SPRINKLING FUND.

Pay of Superintendent, foremen and laborers....	\$ 35,331.00
Lighting city barn	248.70
Shoeing horses	787.75
Repairs to plant	2,740.19
Harness and repairs	590.25
Hay	1,788.64
Oats and other feed	1,593.00
Hardware	259.71
Street sprinkling (electric)	1,000.00
Insurance	426.30
Purchase of horses	2,250.00
Stationery and blanks	10.70
New plant	55.00
Water	242.03
Plumbing	36.50
Veterinary drugs and medicines	130.00
Lumber	125.95
Paints and oils	105.40
Wood	50.25
Sawdust	187.25
Miscellaneous	299.20
Interest on called warrants	1,415.57
	\$ 49,673.39

AUDITOR'S REPORT.

FIRE DEPARTMENT FUND.

Salary of firemen	\$ 68,748.47
Fire alarm telegraph	2,180.89
Hose and repair of	5,104.42
Water	3,084.72
Hydrants and repairs	1,776.10
Stationery and blanks	218.21
Telephone service	740.75
Repairs to apparatus	2,556.70
New apparatus	3,054.00
Buildings, furniture and fixtures	1,758.70
Shoeing horses	1,520.75
Horses	695.25
Veterinary services	299.00
Harness, and repair of	472.70
Feed	6,914.88
Real estate	1,400.00
Fuel	1,501.20
Lighting engine houses	881.74
Miscellaneous supplies	855.24
Repairs to cisterns	223.70
Rent	960.00
Incidental expenses	1,491.17
Interest on called warrants	4,723.37
Highland engine house	1,270.75
	\$112,432.71

POLICE DEPARTMENT FUND.

Salary of police	\$ 69,176.14
Feeding prisoners	1,341.73
Expense of police building	2,586.36
Patrol wagon	617.66
Call boxes	546.03
Mounted police	877.05
Contingent expenses	751.52
Stationery and blanks	370.63
Interest on called warrants	9,409.62
	\$ 85,666.74

FUND FOR REPAYMENT OF TWO-MILL TAX.

Returned to property-owners	\$ 1,428.38
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INTEREST FUND, BONDED INDEBTEDNESS.

Paid account interest bonds 1891	\$ 3,390.00
Paid account interest bonds Albina	4,860.00
Paid account interest bonds East Portland	17,640.00
Paid account interest bonds City Hall	33,775.00
Paid account interest bonds bridges and ferry	37,025.00
Paid account interest bonds improvements and sewers	3,370.00
Paid account interest New York exchange	155.66
	<u>\$100,215.66</u>

SUMMARY.

General fund	\$133,892.10
Fire department fund	112,432.71
Police department fund	85,666.74
Lamp fund	82,612.93
Street cleaning and sprinkling fund	49,673.39
Repayment of 2-mill tax	1,428.38
Interest on bonded indebtedness	100,215.66
	<u>\$565,921.91</u>

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

STREET AND SEWER INTEREST FUND.

Interest on street and sewer warrants	\$ 1,461.07
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WATER BONDS INTEREST FUND.

Interest coupons paid and returned	\$145,000.00
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IMPROVEMENT BONDS INTEREST FUND.

Interest paid on street and sewer improvement bonds	\$ 5,196.17
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SUMMARY.

Street and sewer interest fund	\$ 1,461.07
Water bonds interest fund	145,000.00
Improvement bonds interest fund	5,196.17
	<u>\$151,657.24</u>

Respectfully submitted,

A. N. GAMBELL,

Auditor.

Portland, Oregon, December 31, 1898.

BONDED INDEBTEDNESS, CITY OF PORTLAND, JANUARY 1, 1898.

CITY OF PORTLAND.

Kind.	Amount.	Date.	Time.	Interest.	Object.
General.....	\$ 56,500.00	May 1, 1890	10 years	6 per cent.	To redeem outstanding bonds.....
General.....	480,000.00	Dec. 1, 1898	30 years	5 per cent.	Funding 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
Elect'c 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.	For purchase of site for City Hall.....
Sec. 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
Sec. 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.....
Sec. Series..	200,000.00	Apr. 1, 1895	30 years	5 per cent.	Purchase of bridge

FERRY BONDS.

Kind.	Amount.	Date.	Time.	Interest.	Object.
.....	\$ 50,000.00	Apr. 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	Apr. 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
.....	1,280.92	Jan. 1, 1897	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	14,246.47	Apr. 1, 1897	10 years	6 per cent.	Improvement of streets
.....	6,280.80	June 1, 1897	10 years	6 per cent.	Improvement of streets
.....	6,454.82	Aug. 2, 1897	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	7,203.74	Oct. 1, 1897	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	1,965.17	Dec. 1, 1897	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	13,091.91	Feb. 1, 1898	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	11,109.11	Apr. 1, 1898	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	7,048.61	June 1, 1898	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	3,504.45	Sept. 1, 1898	10 years	6 per cent.	Improvement of streets and construction of sewers

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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, 1898.

STREET IMPROVEMENT FUNDS.

	Bal. in Fund		Receipts	Expenditures	Bal. in Fund		Warrants	
	Dec. 31, 1897				Dec. 31, 1898	Outstanding		
Hood street	\$ 14.64				\$ 14.64	\$ 14.64		
Taylor st., 10th to 14th	1.41				1.41		160.26	
North 18th st., M st. to Sherlock's add.	27.67			27.67			171.73	
Chapman st., Jefferson to Taylor	35.05				35.05		1,052.91	
South Front st., Gaines to 1st av.	18.55				18.55		88.14	
R st., N. 18th to N. Front	186.75				186.75			
South Second st., Sheridan to Gibbs	1.85				1.85		251.52	
Clifton st., 13th to 15th	79.00				79.00		100.00	
Hood st., Marquam Gulch to Grover							345.50	
Thirteenth st., College to Hawthorne							1,130.58	
Fifth st., Stephens to Adams	34.60			28.09	6.51		6.51	
Williams ave., Grant to Going							2,500.00	
H st., east to west end	10.45				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	
Clay st., 4th to east line of city	4.80				4.80		3.91	
Water street							86.32	

STREET IMPROVEMENT FUNDS—Continued.

	Bal. in Fund		Receipts	Expenditures	Bal. in Fund		Warrants	
	Dec. 31, 1897				Dec. 31, 1898	Outstanding		
Fifth st., K to Ellsworth	207.47½				207.47½		609.74	
Myrtle st., 13th to 19th	50.90	55.25	55.00		51.15			
Elliott st., Helm to Williams	83.00				83.00		83.00	
North 22d st., J to P	41.41				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			
G st., 3d to N. 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	239.81		239.81				1,025.53	
E. 16th st., Holladay ave. to Belmont ..	26.89				26.89		5.60	
Weidler st., Carter's add. to Wheeler st.	.94				.94		.94	
Shaver st., Maryland to Williams	4.20				4.20		4.20	
E. 20th st., Hawthorne ave. to E. Stark Hawthorne ave., E. Water to Stephens D. L. C.	309.17	137.06	414.87		31.36		31.36	
Union ave., Broadway to Schuyler	97.00				97.00			
A st., blk. 1, J. Irving's add. to Tillam'k	51.65		51.65					
E. Oak st., 50 ft. e. of E. 2d to E. Water	30.96				30.96		29.96	
E. 8th st., Ainsworth to Dekum	1.85				1.85		38.16	
Spokane avenue	15.25				15.25		27.64	
Fifth st., n. to s. line of Sellwood	64.15				64.15			
Umatilla avenue	13.41				13.41			
	361.23				361.23		413.28	

STREET IMPROVEMENT FUNDS—Continued.

	Bal. in Fund Dec. 31, 1897	Receipts	Expenditures	Bal. in Fund Dec. 31, 1898	Warrants Outstanding
Sixth st., n. to s. line of Sellwood....					26.80
Ninth st., Clackamas to north line of Sellwood	126.17				66.88
Tacoma avenue	6.57			126.17	1,109.29
Morrison st., Front to Chapman	33.70	18.13	51.83	6.57	27.57
Shaver st., Williams ave. to Union ave.	12.00				
East 17th st., E. Morrison to E. Stark	33.82			12.00	
E. Harrison st., E. 11th to E. 3d.....	15.11			33.82	2.82
Vancouver ave., Russell to Morris....	5.46		15.11		
Sixth st., Morrison to Hoyt.....	13.25	46.79		5.46	
Cable st., Mill to Terrace road.....	12.75	17.59	46.54	13.50	10,405.38
Beacon st., Milwaukie to E. 8th	12.58		21.90	8.44	1,149.84
Milwaukie and E. 11th sts.....	1.01			12.58	8.44
E. Stark st., E. Water to E. 16th.....	3.00			1.01	4.27
Elm st., Chapman to 16th	2.50			3.00	1.01
Hoyt st., 4th to 5th	17.63			2.50	3.75
Madrone st., Durham to Farrell.....				17.63	162.10
Fremont st., Willamette Boulevard to Mitchell street	11.47				111.65
Corbett st., Bancroft to Hamilton	1.90			11.47	11.47
Grand ave., E. Clay to E. Stark.....	59.26	189.49	184.66	1.90	
Nineteenth st., Thurman to Sherlock..	5.00			64.09	6.69
E. Second st., E. Oak to E. Wash'ton	5.88			5.00	98.48
Front st., Madison to Lincoln	33.48			5.88	334.25
Third st., Main to Columbia	6.50			33.48	16.49
				6.50	56.40

AUDITOR'S REPORT.

STREET IMPROVEMENT FUNDS—Continued.

	Bal. in Fund Dec. 31, 1897	Receipts	Expenditures	Bal. in Fund Dec. 31, 1898	Warrants Outstanding
Columbia st., 1st to 200 ft. e. of Front..	23.16		2.25	20.91	19.91
Grand ave., E. Burnside to E. Stark..	12.24	372.60	371.60	13.24	14.88
Marshall st., 16th to 22d	148.50		22.25	126.25	122.25
South half of Hamilton ave.....	8.10		2.50	5.60	5.60
Clinton st., E. 21st to E. 36th.....	22.33			22.33	89.42
Gantenbein ave., Morris to Ivy	2.84			2.84	
Commercial st., Shaver to Russell	135.73			135.73	74.76
East Water st., Oak to Hawthorne....	19.96	161.41	56.09	125.28	9,365.18
Couch st., 1st to 6th	3.00		3.00		
E. 1st st., Hancock to Holladay.....	20.03	271.84	291.87		
Kerby st., Morris to Fargo.....	1.64		1.64		
Belmont st., E. Water to E. 34th	104.06	1,095.89	381.99	817.96	1,268.07
Fourth st., Burnside to Jefferson.....	28.81			28.81	123.12
East 34th st., E. Stark to Hawthorne..	68.56	25.38	93.94		
Burnside st., 6th to Washington	129.09		116.24	12.85	12.85
Third st., Yamhill to Glisan					1,618.38
Constance st., Union ave. to east line of Albina	16.90			16.90	.40
Washington st., 3d to Burnside.....					10.30
Going st., Union ave. to east line of Highland	73.72		16.47	57.25	85.27
East Taylor st., E. 34th to E. 38th....	22.50		17.50	5.00	
Fourth st., Burnside to Glisan	110.67		72.32	38.35	23.60
Third st., Lincoln to Sheridan.....	.34		.34		
Burnside st., 3d to 6th.....	4.00			4.00	94.36

AUDITOR'S REPORT.

STREET IMPROVEMENT FUNDS—Continued.

	Bal. in Fund Dec. 31, 1897	Receipts	Expenditures	Bal. in Fund Dec. 31, 1898	Warrants Outstanding
Stark st., 4th to 6th	3.50		2.60		
X street	11.50	91.95	103.45	.90	.90
First st., Stark to Madison	28.77	469.35	468.60	29.52	120.34
Curry st., Macadam to Corbett st.	6.00		6.00		
Russell st., Williams ave. to Delay st.	58.95	508.69	455.24	112.40	41.40
Oak st., 3d to 6th	4.25			4.25	104.29
Thirteenth st., Glisan to Hoyt	39.76		38.26	1.50	72.27
Mechanic st., Union ave. to E 9th	44.16	210.39	254.55		
Hood st., 110 ft. to 318 ft. s. of Ca- ruthers	81.84		77.10	4.74	61.34
Seventeenth st., Raleigh to bridge be- tween W and V	11.00		11.00		
Union ave., Prescott to Alberta	12.00	133.65	145.65		
First st., Burnside to Stark	1,620.25	130.45	1,746.48	4.22	
Union ave., E. Morrison to E. Oak ...	300.43		300.43		
Hood st., 50 ft. s. of to 125 n. of Wood st.	40.94	36.92	41.19	36.67	30.67
E. Water st., Hawthorne ave. to E. Clay	1.50		1.50		
Lincoln st., 1st to 230 ft. w. of 7th st..	9.52		9.52		
Grover st., Hood to Macadam	3.50		3.50		
Goodsell ave., E. Stark to n. line Mayor Gates' add.	27.06	69.87	96.93		
E. 37th st., Hawthorne to E. Taylor..	595.91	24.99	625.90		
First st., Madison to Woods	82.24	15.24	51.73	45.75	55.50
Water and Hood sts., Clay to Grover..	17.51	74.48	91.99		

AUDITOR'S REPORT.

STREET IMPROVEMENT FUNDS—Continued.

	Bal. in Fund Dec. 31, 1897	Receipts	Expenditures	Bal. in Fund Dec. 31, 1898	Warrants Outstanding
E. Morrison st., Grand ave. to 44 ft. e. of E. 7th st.	2.75	341.60	344.35		
Yamhill st., 1st to 4th	208.17	1,321.42	1,525.34	4.25	147.74
Grand ave., E. Clay to E. Grant	18.58	67.90	85.01	1.47	1.47
S. ½ E. Salmon st., E. 20th to E. 23d..	4.75	19.71	12.79	11.67	11.67
Front st., blk. 16 Watson's to blk. 31 Sherlock's	125.30	85.38	118.30	92.38	2,763.20
Columbia st., 3d to Water	5.25	55.69	52.70	8.24	12.61
Goldsmith st., 329 to 802 ft. s. of Page	.25			.25	1,440.84
Oxford st., Union ave. to E. 9th	3.00	815.60	818.60		
Pine st., 2d to 3d	613.02			613.02	
E. Washington st., 50.5 ft. e. of E. 6th to E. 8th	1.50	822.66	820.91	3.25	
Northrup st., 100 ft. e. of 9th to 70 ft. e. of 12th	224.80	372.96	567.76	30.00	
Fourteenth st., Quimby to Raleigh....	1.00	136.20	135.20	2.00	104.00
Grand ave., E. Grant to 20 ft. s. of n. line of E. Caruthers	36.38	381.48	412.36	5.50	383.92
E. Clay st., E. Water to E. 11th	80.36	1,104.36	1,184.72		
Main st., Front to 1st	149.48	82.40	231.88		
Eleventh st., 150 ft. s. of Northrup st. to 20 ft. n. of Quimby	42.26	1,122.59	1,157.10	7.75	37.88
McMillen st. and Williams ave., Crosby to Alberta	299.78	18,688.70	18,848.08	140.40	2,802.43
Glisan st., Park to 22d		1,754.31	1,715.21	39.10	333.12

AUDITOR'S REPORT.

STREET IMPROVEMENT FUNDS—Continued.

	Bal. in Fund Dec. 31, 1897	Receipts	Expenditures	Bal. in Fund Dec. 31, 1898	Warrants Outstanding
Seventeenth st., Morrison to Taylor.. .. .		655.18	655.18	.....	.....
First st., 100 ft. n. of to 100 ft. s. of Grover		361.62	359.37	2.25	279.90
Grand ave., E. Everett to 137 ft. n. of E. Flanders		165.83	165.58	.25	796.35
Front st., 15 ft. n. of Woods to Grover		254.16	251.66	2.50	444.85
Hancock st., E. 1st to Union ave..... .. .		435.92	428.17	7.75	21.07
Borthwick st., Shaver to n. line of Cen- tral Albina		1,230.09	1,230.09	.....	.....
Corbett st., 110 ft. n. of to 30 ft. s of Pennoyer st.		187.75	186.00	1.75	259.48
Crosby st., Holladay ave. to McMillen st.		859.77	859.77	.....	.....
Skidmore st., Williams to Mississippi		1,976.30	1,967.80	8.50	.....
E. 11th st., Hawthorne to Division.... .. .		951.77	933.18	18.59	1.40
Fifth st., Lincoln to Caruthers		1,820.35	1,820.35	.....	.....
Twenty-second st., Johnson to St. Hel- ens road		8,892.23	8,710.53	181.70	175.59
Kerhy st., Shaver to n. line Central Al- bina		1,556.60	1,504.80	51.80	23.80
Falling st., Williams to Mississippi.... .. .		1,671.26	1,632.62	38.64	30.64
Jefferson st., Front to 265 ft. e. of Front		502.56	502.56	.....	.....
Hawthorne ave., E. 3d to E. 12th		844.44	827.92	16.52	.....
Mason st., Williams to Mississippi.... .. .		3,660.35	3,660.35	.....	.....

STREET IMPROVEMENT FUNDS—Continued.

	Bal. in Fund Dec. 31, 1897	Receipts	Expenditures	Bal. in Fund Dec. 31, 1898	Warrants Outstanding
Going st., Union to Williams		3,907.21	3,894.96	12.25	.....
Front st., Madison to Burnside		5,587.07	5,530.71	56.36	447.34
Fourteenth st., Savier to Front		768.60	768.60	.....	.....
Grand ave., Burnside to Holladay		903.33	884.09	19.24	136.72
E. Sherman st., E. 7th to E. 12th..... .. .		1,871.68	1,863.08	8.60	155.77
Jefferson st., 16th to City Park..... .. .		782.04	775.89	6.15	9.58
Mason st., Mississippi to Maryland.... .. .		504.38	500.88	3.50	282.59
E. 32d st., Belmont to E. Taylor		553.20	491.98	61.22	18.47
Union ave., Burnside to Weidler		4,165.43	4,137.20	28.23	1,641.41
E. 12th st., D to Hawthorne		4.76	4.76	.....	.....
Eleventh st., Montgomery to Hall.... .. .		569.05	564.30	4.75	185.37
Corbett st., Hood to Bancroft		1,628.48	1,617.48	11.00	3,727.07
Davis st., 12th to 14th		242.81	236.66	6.15	130.85
Albina ave., Beech to n. line Central Albina		593.08	461.99	131.09	1,937.24
Washington st., Front to 1st		1,226.38	1,225.63	.75	718.46
N. 16th st., B to G		2.70	2.70	.....	.....
Cleveland ave., Shaver to Beech		414.82	115.38	299.44	364.62
Union ave., 12 ft. s. of to 131 ft. n. of Broadway		63.21	48.72	14.49	194.20
Pettygrove st., 16th to 20th		672.36	281.90	390.46	473.60
E. Morrison, Union to Grand		3.86	.....	3.86	319.87
E. Morrison st., E. 8th to E. 9th	413.95
Grand ave., E. Stark to 111 ft. n. of E. Oak		138.87	.....	138.87	785.17

STREET IMPROVEMENT FUNDS—Continued.

	Bal. in Fund Dec. 31, 1897	Receipts	Expenditures	Bal. in Fund Dec. 31, 1898	Warrants Outstanding
Commercial st., Shaver to Alberta					782.43
Seventeenth st., 50 ft. n. of Marshall to 50 ft. n. of Quimby					1,234.47
	\$8,451.61½	\$81,959.87	\$84,246.90	\$6,164.58½	\$61,310.95

SEWER FUNDS.

	Bal. in Fund Dec. 31, 1897	Receipts	Expenditures	Bal. in Fund Dec. 31, 1898	Warrants Outstanding
P st., 360 ft. w. of N. 19th to N. 8th....	\$ 134.44	\$.....	\$.....	\$ 134.44	\$ 74.76
Q st., N. 20th to Willamette river.....	38.36	.....	.....	38.36	38.36
Marquam Gulch	7.22	268.20	275.42	.....	.....
Portland Heights	211.67	212.66	380.33	44.00	1,726.61
East Oak et al. streets .....	.....	84.56	84.56	.....	.....
Pennoyer st., 1st st. to Thomas creek sewer	9.07	.....	.....	9.07	9.07
Williams ave. et al. streets	90.00	.....	.....	90.00	90.00
Whittaker st., 100 ft. e. of Kelly to Thomas creek	1.05	.....	.....	1.05	92.00
East Alder et. al streets	376.09	53.58	150.00	279.67	1,342.57
Woods-street Gulch	77.53	.....	77.53	.....	.....
E. 12th st., Division to Hawthorne....	.....	.....	.....	.....	272.69
Tanner creek, Taylor st. to City Park..	.....	73.72	73.72	.....	.....

SEWER FUNDS—Continued.

	Bal. in Fund Dec. 31, 1897	Receipts	Expenditures	Bal. in Fund Dec. 31, 1898	Warrants Outstanding
Pacific et al. streets	9.10	44.26	53.36	.....	.....
Tanner creek, w. terminus s. 325 ft....	.....	.....	.....	.....	5.58
E. 15th st., E. Morrison to E. Taylor..	14.45	.....	.....	14.45	44.99
E. Taylor st., E. 19th to E. 26th	9.78	40.66	46.44	4.00	.....
Rodney ave., Hancock and E. 2d sts..	9.00	.....	.....	9.00	.....
First st., 80 ft. s. Whittaker to Grover	7.20	.....	.....	7.20	50.56
Macadam st., 80 ft. s. of Gibbs to Wood-street Gulch	1.00	.....	.....	1.00	.....
E. 11th st., Division to Hawthorne....	6.36	80.75	47.11	40.00	.....
Belmont st., 115 ft. w. of E. 33d to 30 ft. w. of E. 32d .....	.....	.....	.....	.....	33.00
Eugene st., 100 ft. w. of Rodney ave. to Williams ave.	5.00	.....	.....	5.00	.....
E. Grant st., E. 9th to 50 ft. e. of E. 6th	5.20	.....	.....	5.20	.....
Wood-street Gulch, 200 ft. w. of 3d to Water	2.97	.....	2.97	.....	.....
E. Eighth st., E. Grant to Hawthorne	124.93	.....	124.93	.....	.....
Vaughn and Twenty-fifth streets	27.60	20.25	47.85	.....	.....
E. Sixth st., 175 ft. s. of E. Yamhill to E. Alder	27.00	502.00	529.00	.....	.....
Northrup street	9.27	22.16	31.43	.....	.....
Hood st., s. line blk. 82 to Corbett	16.40	163.25	179.65	.....	.....
Crosby st., Cherry to 50 ft. s. of Halsey	.....	374.80	374.80	.....	.....
E. Morrison st., 100 ft. e. of E. 33d to E. 34th .....	.....	86.03	86.03	.....	.....

SEWER FUNDS—Continued.

	Bal. in Fund Dec. 31, 1897	Receipts	Expenditures	Bal. in Fund Dec. 31, 1898	Warrants Outstanding
Holladay avenue					
Union ave., 25 ft. s. of E. Morrison to E. Alder		119.20	119.20		
Kearney st., 21st to 23d					
N. 13th and D sts.....		7.50		7.50	
E. 14th st., 75 ft. n. of E. Yamhill to E. Taylor		287.00	287.00		
Columbia st., 12th to 14th		53.20	53.20		
M st., N. 17th to N. 20th		8.11	8.11		
E. Taylor and E. 32d sts.....		211.50	211.50		
Alder st., River to 6th		3,847.26	3,841.40	5.86	
Upshur and 25th sts.....		307.60	307.31	.29	
E. 10th st., 100 ft. s. of Tillamook to Hancock		121.84	87.12	34.72	
Kelly st., 100 ft. n. of Curry to Woods		461.60	420.30	41.30	574.85
E. 35th, E. Alder and E. Washington		9.80	9.80		636.92
Belmont st., 25 ft. w. of E. 18th to E 16th					302.74
Stanton st., 125 ft. w. of Union ave. to Rodney ave.					386.35
Vancouver ave., 250 ft. to 150 ft. n. of Page		19.25		19.25	49.60
Russell street		6.50		6.50	
	\$1,220.69	\$7,487.24	\$7,910.07	\$ 797.86	\$5,730.65

STREET EXTENSION FUNDS.

	Bal. in Fund Dec. 31, 1897	Receipts	Expenditures	Bal. in Fund Dec. 31, 1898	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 st., N. 21st to N. Front	671.00			671.00	671.00
South Fourth street					150.00
East Eleventh st., Division to Beacon.	14.70			14.70	14.70
Hawthorne avenue	19.40			19.40	19.40
Ellsworth street					70.00
E. Fifth st., E. Stark to E. Clay	6.00			6.00	6.00
Twenty-sixth street	433.50			433.50	433.50
Dawson street	12.00			12.00	12.00
Commercial st., Sellwood to Russell...	2.00			2.00	2.00
Willis Boulevard	5.00			5.00	5.00
Clinton st., E. 12th to Milwaukie	20.65			20.65	20.65
Peninsular avenue	6.16			6.16	6.16
E. Twenty-eighth street	30.00		20.00	10.00	10.00
Corbett street	84.42			84.42	84.42
Sixth st., n. to s. line of Sheridan.....	128.91		57.64	71.27	71.27
Clinton st., E. 12th to Milwaukie	75.00		44.00	31.00	
Harrison st., Terrace road to Chapman	60.00		60.00		
Twenty-fifth st., Thurman to Vaughn	855.00	756.00	1,611.00		
Belmont street	4.00	17.00	21.00		

STREET EXTENSION FUNDS—Continued.

	Bal. in Fund	Receipts	Expenditures	Bal. in Fund	Warrants
E. Burnside st., E. 28th to Goodsell ave.	Dec. 31, 1897	718.50	710.00	Dec. 31, 1898	Outstanding
	\$ 2,915.24	\$ 1,491.50	\$ 2,523.64	\$ 1,883.10	8.00
					<u>\$15,394.60</u>

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.

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 line 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
* 30.....	N. 1/2 of 3	City
* 50.....	6	City
* 9.....	N. 1/2 of 4	City
*143.....	6	City
*315.....	E. 1/2 of 8	City
*128.....	3	Caruthers
* 99.....	E. 1/2 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 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 acres.

Block.	Lot.	
* 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 13, 14, 15 and 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.	
* 29.....	14	..... Albina Homestead
* 10.....	11	..... Proebstel's addition
14.....	12, 13, 14, 15	..... Proebstel'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 said parallel with said division line between said land of Cornelia J. Poole and said White tract, to the corner 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, T. 1 N., R. 1 E. of the Willamette meridian, being a part of the Peter Guild donation land claim.

MACLEAY PARK—DONATED BY DONALD MACLEAY.

Beginning at the quarter-section corner between sections 31 and 32, township 1 north, range 1 east of Willamette meridian, and running thence west twenty-four (24) chains to a point; thence north twenty (20) chains to a point; thence east thirty-nine and 18-100 (39.18) chains to a point; thence south one and sixty-one one-hundredths (1.61) chains to the southwest corner of the Danforth Balch donation land claim; thence east sixteen (16) chains; then south eighteen and 39-100 (18.39) chains to a point; thence west thirty-one and 18-100 (31.18) chains to the place of beginning; containing one hundred and seven and 78-100 (107.78) acres, more or less, together with all and singular the tenements, hereditaments and appurtenances thereunto belonging or in any wise appertaining, and for the uses and purposes of a City Park, to be known as "Macleay Park."

GOVERNOR'S PARK—DONATED BY SYLVESTER PENNOYER.

Beginning at a point 602.2 feet north and one and 36-100 feet west of the quarter-section corner between sections four (4) and nine (9), of township one (1) south, range one (1) east of the Willamette meridian, Oregon; running thence north 465.1 feet; thence west 170 feet; thence south 465.1 feet; thence east 170 feet to the place of beginning, containing 1.815 acres. Also two rights of way, as follows: Beginning at the southwest corner of the above-described tract, running thence west 96 feet to the east line of Watson two-acre tract in the south line of Davenport street; thence north sixty (60) feet to the north line of said street; thence east ninety (90) feet to the west line of 1.815-acre tract; thence south sixty (60) feet to the place of beginning. Also, the second right of way, as follows: Beginning at the northwest corner of the 1.815-acre tract; thence west to the center line of old Twelfth street in the north line of Spring street; thence south twenty (20) degrees eight (8) minutes west along the center line of Twelfth street sixty (60) feet to the south line of Spring street; thence east to the west line of 1.815-acre tract; thence north 56.3 feet to the place of beginning, containing two (2) acres, including both rights of way, and 1.815-acre tract, all in the Thomas Carter donation land claim, in section four (4), township one (1) south, range one (1) east of the Willamette meridian, in Multnomah County, State of Oregon.

Also, a tract of land: Beginning at a point 602½ feet north and 136 feet west of the quarter-section corner between sections 4 and 9 of township 1 south, range 1 east of Willamette meridian, Oregon; thence south 260 feet; thence west 170 feet; thence north 260 feet; thence east 170 feet to the place of beginning, containing one acre or more, for park; providing, however, for a 16-foot roadway across the same.

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 a 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 line parallel 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 Blackstone 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 lies 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.

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.

Lot 9, block 14, Multnomah; 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 Whitaker 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 100 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 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.

Lot 8, in block 38, Carter's addition to the City of Portland; purchased December 18, 1897, for delinquent assessment for the extension of Harrison street.

Lots 4 and 5, in block 5, Market-street addition to the City of Portland; purchased December 18, 1897, for delinquent assessment for the extension of Harrison street.

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 Ending March 31, 1898

Balance in treasury as per report December 31, 1897	\$115,955.19
Balance in New York as per report December 31, 1897	12,590.00
Balance in Ladd & Tilton (imp. fund) December 31, 1897	19,875.12
Received from all sources.....	139,517.31
Disbursed as per vouchers returned herewith..	\$223,893 91
Balance in treasury	34,024.52
Balance in New York	25.00
Balance in Ladd & Tilton (imp. fund).....	29,994.19
	\$287,937.62 \$287,937.62

GENERAL FUND.

Balance as per report December 31, 1897.....	\$ 5,024.49½
Received 87½ per cent. of general licenses for quarter	26,021.23
Received from dog licenses for quarter	99.00
R. W. Hoyt, county treasurer, taxes 1895.....	4,754.28
R. W. Hoyt, county treasurer, taxes 1896.....	13,776.54
R. W. Hoyt, county treasurer, taxes 1897.....	19,340.53
R. W. Hoyt, county treasurer, sundry years...	686.40
Multnomah county, rent	475.00
H. S. Allen, school clerk, rent	120.00
Premium on sale of improvement bonds.....	1,129.27
Delinquent taxes (miscellaneous)	204.85
Miscellaneous costs	31.20
P. J. Barry, chief of police (costs)	121.00
John Foster, pound fees	17.50
Transferred to street improvement fund.....\$	195.05
Transferred to fund repayment two-mill tax...	1,200.00
Transferred to street-lamp fund	33,901.60
Transferred to street extension fund.....	10.00
Transferred to police department fund.....	25,000.00
Transferred to fire department fund.....	5,000.00

TREASURER'S REPORT.

Interest paid on warrants	44.43	
Warrants paid	1,605.39	
Balance	4,844.82½	
		\$ 71,801.29½ \$71,801.29½

FIRE DEPARTMENT FUND.

Balance as per report December 31, 1897.....	\$2,367.40	
Received R. W. Hoyt, county treasurer, taxes 1895	3,657.14	
Received R. W. Hoyt, county treasurer, taxes 1896	5,510.63	
Received R. W. Hoyt, county treasurer, taxes 1897	6,446.83	
Transferred from general fund	5,000.00	
Interest paid on warrants	\$ 1,094.02	
Warrants paid and returned	20,603.30	
Balance	1,284.68	
		\$ 22,982.00 \$ 22,982.00

POLICE DEPARTMENT FUND.

Balance as per report December 31, 1897.....	\$ 979.98	
Received R. W. Hoyt, county treasurer, taxes 1895	3,291.42	
P. J. Barry, chief police (board of prisoners, sale of horses)	52.00	
Transferred from general fund	25,000.00	
Interest paid on warrants	\$ 3,252.54	
Warrants paid	23,465.08	
Balance	2,605.78	
		\$ 29,323.40 \$ 29,323.40

STREET CLEANING AND SPRINKLING FUND.

Balance as per report December 31, 1897.....	\$ 1,678.40	
Received A. Sweek, municipal judge, fines and costs municipal court	441.00	
Received 12½ per cent. licenses for quarter...	3,717.32	
Interest paid on warrants	\$ 508.01	

TREASURER'S REPORT.

Warrants paid and returned	4,970.19	
Balance	358.52	
		\$ 5,836.72 \$ 5,836.72

STREET IMPROVEMENT FUND.

Balance as per report December 31, 1897.....	\$ 8,451.61½	
Received from assessments	32,219.94	
Transferred from general fund	195.05	
Warrants paid and returned	\$ 28,044.66	
Balance	12,821.94½	
		\$ 40,866.60½ \$40,866.60½

SEWER FUND.

Balance as per report December 31, 1897.....	\$ 1,220.69	
Received from assessments	1,522.46	
Warrants paid and returned	\$ 1,675.67	
Balance	1,067.48	
		\$ 2,743.15 \$ 2,743.15

IMPROVEMENT FUND.

Balance with Ladd & Tilton as per report De- cember 31, 1897	\$ 19,875.12	
Received bonded assessments	10,119.07	
Balance on deposit with Ladd & Tilton, order of council	\$ 29,994.19	
		\$ 29,994.19 \$ 29,994.19

STREET EXTENSION FUND.

Balance as per report December 31, 1897.....	\$ 2,915.24	
Transferred from general fund	10.00	
Received assessments	469.00	
Warrants paid and returned	\$ 83.00	
Balance	3,311.24	
		\$ 3,394.24 \$ 3,394.24

LITIGATION FUND.

Balance as per report December 31, 1897.....	\$	4.46		
Received from general fund			200.00	
Disbursed	\$	166.75		
Balance		37.71		
	\$	204.46	\$	204.46

BONDED INDEBTEDNESS INTEREST FUND.

Balance in treasury as per report December 31, 1897		\$ 17,913.02		
Balance in New York as per report December 31, 1897			12,590.00	
Warrants and coupons paid	\$	30,143.00		
Balance in New York		25.00		
Balance in treasury		335.02		
	\$	30,503.02	\$	30,503.02

IMPROVEMENT BOND INTEREST FUND.

Balance as per report December 31, 1897.....	\$	1,160.85		
Received Ladd & Tilton, interest on certificate of deposit			943.90	
Received sundry collections			3,811.49	
Coupons paid and returned	\$	2,170.73		
Balance		3,745.51		
	\$	5,916.24	\$	5,916.24

STREET LAMP FUND.

Balance as per report December 31, 1897.....	\$	10.00		
Transferred from general fund			33,901.60	
Interest paid on warrants	\$	2,410.49		
Warrants paid and returned		31,501.11		
	\$	33,911.60	\$	33,911.60

WILLAMETTE RIVER FUND.

Balance as per report December 31, 1897.....	\$	8.71		
Balance	\$	8.71		
	\$	8.71	\$	8.71

EAST SIDE WATER EXPENSE FUND.

Balance as per report December 31, 1897.....	\$	1.90		
Balance	\$	1.90		
	\$	1.90	\$	1.90

FIRE BADGE REDEMPTION FUND.

Balance as per report December 31, 1897.....	\$	75.00		
Balance	\$	75.00		
	\$	75.00	\$	75.00

EAST PORTLAND WATER FUND.

Balance as per report December 31, 1897.....	\$	16.35		
Balance	\$	16.35		
	\$	16.35	\$	16.35

BOULEVARD FUND.

Balance as per report December 31, 1897.....	\$	217.77		
Balance	\$	217.77		
	\$	217.77	\$	217.77

FUND FOR REPAYMENT TWO-MILL TAX.

Balance as per report December 31, 1897.....	\$	96.51		
Transferred from general fund.....			1,200.00	
Warrants paid and returned	\$	889.84		
Balance		406.67		
	\$	1,296.51	\$	1,296.51

WATER BOND INTEREST FUND.

Balance as per report December 31, 1897.....	\$	72,725.00		
Coupons redeemed and returned	\$	70,800.00		
Balance		1,925.00		
	\$	72,725.00	\$	72,725.00

STREET AND SEWER INTEREST FUND.

Balance as per report December 31, 1897.....	\$ 1,087.80	
Received sundry collections	338.31	
Interest paid	\$ 465.70	
Balance	960.41	
	<u>\$ 1,426.11</u>	\$ 1,426.11

GENERAL SUMMARY.

Balance in treasury as stated	\$ 34,024.52
Balance in New York as stated	25.00
Balance in Ladd & Tilton	29,994.19

Credited as follows:

General fund	\$ 4,844.82½
Fire department fund	1,284.68
Police department fund	2,605.78
Street cleaning and sprinkling fund	358.52
Street improvement fund	12,821.94½
Sewer fund	1,067.48
Improvement (Ladd & Tilton)	29,994.19
Street extension fund	3,311.24
Litigation	27.71
Bonded indebtedness interest (treasury)	335.02
Bonded indebtedness interest (New York)	25.00
Improvement bond interest	3,745.51
Willamette river	8.71
East Side water expense	1.90
Fire badge redemption	75.00
East Portland water fund	16.35
Boulevard fund	217.77
Fund for repayment two-mill tax	406.67
Water bond interest fund	1,925.00
Street and sewer interest fund	960.41

\$ 64,043.71 \$ 64,043.71

Respectfully submitted,

FRANK HACHENEY, City Treasurer.

For Quarter Ending June 30, 1898

Balance in treasury as per report March 31, 1898	\$ 34,024.52	
Balance in New York, as per report March 31, 1898	25.00	
Balance in Ladd & Tilton, as per report March 31, 1898	29,994.19	
Received from all sources	182,280.61	
Disbursed as per vouchers returned	\$ 59,478.31	
Balance in treasury	143,625.82	
Balance in New York to redeem interest coupons	13,220.00	
Balance in Ladd & Tilton (imp. fund, order of council)	30,000.19	
	<u>\$246,324.32</u>	\$246,324.32

GENERAL FUND.

Balance as per report March 31, 1898	\$ 4,844.82½
Received 87½ per cent. general license for quarter	26,509.31
Received dog licenses for quarter.....	210.00
Received of R. W. Hoyt, county treasurer, tax, 1898	10,069.22
Received of R. W. Hoyt, county treasurer, tax, 1897	21,301.07
Received of R. W. Hoyt, county treasurer, tax, sundry years	695.40
Received of Multnomah county, rent.....	75.00
Received of H. S. Allen, school clerk, rent....	200.00
Received premium on improvement bonds....	833.19
Received delinquent taxes, miscellaneous.....	287.23
Received costs, miscellaneous	13.50
Received of P. J. Barry, chief of police, costs...	114.25
Received of J. Foster, pound fees.....	147.50
Received of W. G. Wallace, pigeons sold.....	4.15
Received of J. Carlson, rent	1.00
Received of A. Halpruner, abatement of nuisance	6.00
Transferred to bond indebtedness interest fund	\$ 50,750.00
Transferred to street lamp fund	7,376.50

Warrants paid	3,790.93	
Balance	3,394.21½	
		\$ 65,311.64½ \$65,311.64½

FIRE DEPARTMENT FUND.

Balance as per report March 31, 1898.....	\$ 1,284.68	
Received of R. W. Hoyt, county treasurer, tax, 1898	6,971.00	
Received of R. W. Hoyt, county treasurer, tax, 1897	7,100.34	
Interest paid on warrants	\$ 69.92	
Warrants paid	1,403.34	
Balance	13,882.76	
		\$ 15,356.02 \$ 15,356.02

POLICE DEPARTMENT FUND.

Balance as per report March 31, 1898.....	\$ 2,605.78	
Warrants paid	\$ 115.55	
Balance	2,490.23	
		\$ 2,605.78 \$ 2,605.78

STREET CLEANING AND SPRINKLING FUND.

Balance as per report March 31, 1898.....	\$ 358.52	
Received A. Sweek, fines and costs municipal court	274.00	
Received G. H. Strowbridge, account horses sold	115.00	
Received 12½ per cent. general license for quarter	3,787.04	
Interest paid on warrants	\$ 354.44	
Warrants paid	3,096.79	
Balance	1,083.33	
		\$ 4,534.56 \$ 4,534.56

STREET IMPROVEMENT FUND.

Balance as per report March 31, 1898.....	\$ 12,821 9¼½	
Received from assessments	20,399.82	

Warrants paid and returned	\$ 18,521.13	
Balance	14,700.63½	
		\$ 33,221.76½ \$ 33,221.76½

SEWER FUND.

Balance as per report March 31, 1898	\$ 1,067.48	
Received from assessments	534.93	
Warrants paid and returned	\$ 577.24	
Balance	1,025.17	
		\$ 1,602.41 \$ 1,602.41

IMPROVEMENT FUND.

Balance Ladd & Tilton, as per report March 31, 1898	\$ 29,994.19	
Received from bonded assessments	1,344.68	
Balance in treasury	\$ 1,338.68	
Balance in Ladd & Tilton, order of council	30,000.19	
		\$ 31,338.87 \$ 31,338.87

STREET EXTENSION FUND.

Balance as per report March 31, 1898	\$ 3,311.24	
Received from assessments	436.00	
Warrants paid and returned	\$ 1,652.00	
Balance	2,095.24	
		\$ 3,747.24 \$ 3,747.24

LITIGATION FUND.

Balance as per report March 31, 1898	\$ 37.71	
Disbursed	\$ 18.49	
Balance	19.22	
		\$ 37.71 \$ 37.71

BONDED INDEBTEDNESS INTEREST FUND.

Balance in treasury as per report March 31, 1898	\$ 335.02	
Balance in New York as per report March 31, 1898	25.00	

Received of R. W. Hoyt, taxes, 1898	7,745.55	
Transferred from general fund	50,750.00	
Warrants and coupons paid and returned	\$ 19,868.71	
Balance in New York to redeem matured coupons	13,220.00	
Balance in treasury	25,766.86	
	\$ 58,855.57	\$ 58,855.57

IMPROVEMENT BOND INTEREST FUND.

Balance as per report March 31, 1898	\$ 3,745.51	
Received, sundry collections	286.40	
Coupons redeemed and returned	\$ 1,797.07	
Balance	2,234.84	
	\$ 4,031.91	\$ 4,031.91

STREET LAMP FUND.

Transferred from general fund	\$ 7,376.50	
Interest paid on warrants	\$ 604.91	
Warrants paid and returned	6,771.59	
	\$ 7,376.50	\$ 7,376.50

WILLAMETTE RIVER FUND.

Balance as per report March 31, 1898	\$ 8.71	
Balance	\$ 8.71	
	\$ 8.71	\$ 8.71

EAST SIDE WATER EXPENSE FUND.

Balance as per report March 31, 1898	\$ 1.90	
Balance	\$ 1.90	
	\$ 1.90	\$ 1.90

FIRE BADGE REDEMPTION FUND.

Balance as per report March 31, 1898	\$ 75.00	
Balance	\$ 75.00	
	\$ 75.00	\$ 75.00

EAST PORTLAND WATER FUND.

Balance as per report March 31, 1898	\$ 16.35	
Balance	\$ 16.35	
	\$ 16.35	\$ 16.35

BOULEVARD FUND.

Balance as per report March 31, 1898	\$ 217.77	
Balance	\$ 217.77	
	\$ 217.77	\$ 217.77

FUND FOR REPAYMENT OF TWO-MILL TAX.

Balance as per report March 31, 1898	\$ 406.67	
Warrants paid and returned	\$ 311.71	
Balance	94.96	
	\$ 406.67	\$ 406.67

WATER BOND INTEREST FUND.

Balance as per report March 31, 1898	\$ 1,925.00	
Received from city water committee	72,500.00	
Coupons redeemed and returned	275.00	
Balance	74,150.00	
	\$ 74,425.00	\$ 74,425.00

STREET AND SEWER INTEREST FUND.

Balance as per report March 31, 1898	\$ 960.41	
Received sundry collections	319.03	
Interest paid	\$ 249.49	
Balance	1,029.95	
	\$ 1,279.44	\$ 1,279.44

GENERAL SUMMARY.

Balance in treasury as stated	\$143,625.82
Balance in New York as stated	13,220.00
Balance in Ladd & Tilton as stated	30,000.19

Credited as follows:

General fund	\$ 3,394.21½
Fire department fund	13,882.76
Police department fund	2,490.23
Street cleaning and sprinkling fund	1,083.33
Street improvement fund	14,700.63½
Sewer fund	1,025.17
Improvement (Ladd & Tilton) fund	30,000.19
Improvement (treasury) fund	1,338.68
Street extension fund	2,095.24
Litigation fund	19.22
Bonded indebtedness interest (treasury) fund..	25,766.86
Bonded indebtedness interest (New York) fund.	13,220.00
Improvement bond interest	2,234.84
Willamette river fund	8.71
East Side water expense fund	1.90
Fire badge redemption fund	75.00
East Portland water fund	16.35
Boulevard fund	217.77
Fund for repayment 2-mill tax	94.96
Water bond interest fund	74,150.00
Street and sewer interest fund	1,029.95

\$186,846.01 \$186,846.01

Respectfully submitted,

FRANK HACHENEY, City Treasurer.

For Quarter Ending September 30, 1898

Balance in treasury as per report June 30, 1898.	\$143,625.82
Balance in New York, June 30, 1898	13,220.00
Balance in Ladd & Tilton, June 30, 1898.....	30,000.19
Received from all sources	244,410.20
Disbursed	\$303,067.81
Balance in treasury	76,059.27
Balance in New York to redeem interest coupons	140.00
Balance in Ladd & Tilton (imp. fund order of council)	33,311.13
Balance in Oregon National bank (defunct)...	7,287.32
Balance in Union Banking Co. (defunct)	11,458.68
	<hr/>
	\$431,324.21 \$431,324.21

GENERAL FUND.

Balance as per report June 30, 1898	\$ 3,394.21½
Received 87½ per cent. general licenses for quarter	27,798.88
Received dog licenses for quarter	2,368.50
Received R. W. Hoyt, county treasurer, taxes 1898	75,813.74
Received R. W. Hoyt, county treasurer, delinquent taxes sundry years	138.81
Received Mechanics' Fair Association, rent	250.00
Received D. C. Hoyt, rent	25.00
Received Multnomah county, rent	75.00
Received D. M. McLauchlan, chief of police, delinquent taxes account H. N. Scott	132.74
Received premium on improvement bonds	528.65
Received John Foster, pound fees	56.00
Received E. Robinson, pound fees	107.50
Received miscellaneous costs	22.25
Received miscellaneous delinquent taxes	106.47
Received D. M. McLauchlan, chief of police, costs	1.25
Transferred to street lamp fund	\$ 44,118.16
Transferred to police department fund	50,000.00
Transferred to 2-mill fund	200.00
Warrants paid and returned	9,710.98

TREASURER'S REPORT.

Interest paid on warrants redeemed	856.06	
Balance	5,933.80½	
	<u>\$110,819.00½</u>	<u>\$110,819.00½</u>

FIRE DEPARTMENT FUND.

Balance as per report June 30, 1898		\$ 13.882.76
Received of R. W. Hoyt, county treasurer, taxes 1898		52,486.43
Received of G. Walker, account cut wires		10.00
Warrants paid and returned	\$ 57,360.09	
Interest paid on redeemed warrants	3,388.29	
Balance	5,630.81	
	<u>\$ 66,379.19</u>	<u>\$ 66,379.19</u>

POLICE DEPARTMENT FUND.

Balance as per report June 30, 1898		\$ 2,490.23
Transferred from general fund		50,000.00
Warrants paid and returned	\$ 43,161.82	
Interest paid on redeemed warrants	5,735.34	
Balance	3,593.07	
	<u>\$ 52,490.23</u>	<u>\$ 52,490.23</u>

STREET CLEANING AND SPRINKLING FUND.

Balance as per report June 30, 1898		\$ 1,083.33
Received from A. Sweek, fines and costs municipal court		79.00
Received of F. D. Hennessy, fines and costs municipal court		409.50
Received 12½ per cent. general licenses for quarter		3,971.27
E. Ryan		2.50
Warrants paid and returned	\$ 4,350.08	
Interest paid on redeemed warrants	539.09	
Balance	656.43	
	<u>\$ 5,545.60</u>	<u>\$ 5,545.60</u>

TREASURER'S REPORT.

STREET IMPROVEMENT FUND.

Balance as per report June 30, 1898		\$ 14,700.63½
Received sundry collections		15,743.46
Warrants paid and returned	\$ 23,263.18	
Balance	7,180.91½	
	<u>\$ 30,444.09½</u>	<u>\$ 30,444.09½</u>

SEWER FUND.

Balance as per report June 30, 1898		\$ 1,025.17
Received sundry collections		3,129.51
Warrants paid and returned	\$ 3,057.55	
Balance	1,097.13	
	<u>\$ 4,154.68</u>	<u>\$ 4,154.68</u>

IMPROVEMENT FUND.

Balance Ladd & Tilton, June 30, 1898		\$ 30,000.19
Balance in treasury		1,338.68
Received bonded assessments		1,972.26
Balance Ladd & Tilton (order of council)	\$ 33,311.13	
	<u>\$ 33,311.13</u>	<u>\$ 33,311.13</u>

STREET EXTENSION FUND.

Balance as per report June 30, 1898		\$ 2,095.24
Received sundry collections		559.50
Warrants paid	\$ 767.64	
Balance	1,887.10	
	<u>\$ 2,654.74</u>	<u>\$ 2,654.74</u>

LITIGATION FUND.

Balance as per report June 30, 1898		\$ 19.22
Received from general fund		100.00
Claims paid	\$ 36.20	
Balance	83.02	
	<u>\$ 119.22</u>	<u>\$ 119.22</u>

BONDED INDEBTEDNESS INTEREST FUND.

Balance in treasury as per report June 30, 1898	\$ 25,766.86	
Balance in New York as per report June 30, 1898	13,220.00	
Received	58,318.25	
Warrants and coupons redeemed and returned	\$ 31,051.70	
Balance in treasury	66,113.41	
Balance in New York	140.00	
	<u>\$ 97,305.11</u>	<u>\$ 97,305.11</u>

IMPROVEMENT BOND INTEREST FUND.

Balance as per report June 30, 1898.....	\$ 2,234.84	
Received interest on bonded assessment	118.48	
Coupons redeemed and returned	\$ 1,673.29	
Balance	680.03	
	<u>\$ 2,353.32</u>	<u>\$ 2,353.32</u>

STREET LAMP FUND.

Transferred from general fund	\$ 44,118.16	
Warrants paid and returned	\$ 40,984.09	
Interest paid	3,134.07	
	<u>\$ 44,118.16</u>	<u>\$ 44,118.16</u>

WILLAMETTE RIVER FUND.

Balance as per report June 30, 1898.....	\$ 8.71	
Balance	\$ 8.71	
	<u>\$ 8.71</u>	<u>\$ 8.71</u>

WATER BOND INTEREST FUND.

Balance as per report June 30, 1898.....	\$ 74,150.00	
Coupons redeemed and returned	\$ 73,550.00	
Balance	600.00	
	<u>\$ 74,150.00</u>	<u>\$ 74,150.00</u>

EAST SIDE WATER EXPENSE FUND.

Balance June 30, 1898	\$ 1.90	
Balance	\$ 1.90	
	<u>\$ 1.90</u>	<u>\$ 1.90</u>

FIRE BADGE REDEMPTION FUND.

Balance June 30, 1898	\$ 75.00	
Balance	\$ 75.00	
	<u>\$ 75.00</u>	<u>\$ 75.00</u>

EAST PORTLAND WATER FUND.

Balance June 30, 1898	\$ 16.35	
Balance	\$ 16.35	
	<u>\$ 16.35</u>	<u>\$ 16.35</u>

BOULEVARD FUND.

Balance as per report June 30, 1898	\$ 217.77	
Balance	\$ 217.77	
	<u>\$ 217.77</u>	<u>\$ 217.77</u>

FUND FOR REPAYMENT TWO-MILL TAX.

Balance as per report June 30, 1898	\$ 94.96	
Transferred from general fund	200.00	
Warrants paid	\$ 218.44	
Balance	76.52	
	<u>\$ 294.96</u>	<u>\$ 294.96</u>

STREET AND SEWER INTEREST FUND.

Balance as per report June 30, 1898	\$ 1,029.95	
Received interest on assessments	153.25	
Disbursed	\$ 229.90	
Balance	953.30	
	<u>\$ 1,183.20</u>	<u>\$ 1,183.20</u>

GENERAL SUMMARY.

Balance in treasury, as stated	\$ 76,059.27
Balance in Ladd & Tilton, as stated	33,311.13
Balance in New York, as stated	140.00
Balance in Oregon National bank, as stated	7,287.32
Balance in Union Banking Co.....	11,458.68
Credited as follows:	
General fund	\$ 5,933.80 ¹ / ₂
Fire department fund	5,630.81
Police department fund	3,593.07
Street cleaning and sprinkling fund	656.43
Street improvement fund	7,180.91 ¹ / ₂
Sewer fund	1,097.13
Improvement fund (Ladd & Tilton)	33,311.13
Street extension fund	1,887.10
Litigation fund	83.02
Bonded indebtedness interest, New York	140.00
Bonded indebtedness in treasury	66,113.41
Improvement bond interest	680.03
Willamette river fund	8.71
Water bond interest fund	600.00
East Side water expense	1.90
Fire badge redemption fund	75.00
East Portland water fund	16.35
Boulevard fund	217.77
Two-mill tax fund	76.52
Street and sewer interest fund	953.30

\$128,256.40 \$128,256.40

All of which is respectfully submitted,

FRANK HACHENEY, City Treasurer.

For Quarter Ending December 31, 1898

Balance in treasury September 30, 1898	\$ 76,059.27
Balance in New York to redeem interest coupons	140.00
Balance Ladd & Tilton (improvement fund), order of council	33,311.13
Balance Oregon National bank (defunct)	7,287.32
Balance Union Banking Co.....	11,458.68
Received from all sources	639,863.46
Disbursed	\$552,583.52
Balance New York to redeem interest coupons.	17,140.00
Balance Ladd & Tilton (improvement fund), order of council	33,311.13
Balance Oregon National bank (defunct)	7,287.32
Balance Union Banking Co. (defunct)	11,458.68
Balance in treasury	146,339.21
	\$768,119.86 \$768,119.86

GENERAL FUND.

Balance as per report September 30, 1898	\$ 5,933.80 ¹ / ₂
Received 87 ¹ / ₂ per cent. general licenses for quarter	27,809.91
Received dog licenses for quarter	589.50
R. W. Hoyt, county treasurer, delinquent taxes sundry years	946.54
H. S. Allen, school clerk, rent	240.00
R. W. Hoyt, taxes 1897 and 1898	26,004.04
Committee on commerce, landings and wharves, sale of boiler and machinery Stark-street ferry	1,555.00
Multnomah county, rent	115.00
Premium on improvement bonds	262.83
W. E. Winston, purchase of eight elk.....	425.00
E. Robinson, pound fees	390.50
Miscellaneous costs	10.00
D. M. McLauchlan, costs	206.38
Miscellaneous delinquent taxes	141.20
A. Allen, repairs to sidewalks	9.55
J. Catlin, redemption of property	2,873.50
C. M. Myers, bear sold	15.00
Transferred from street improvement fund	748.82

Transferred from sewer fund	441.93	
Transferred from street extension fund	21.00	
Transferred to fire department fund	\$ 11,700.00	
Transferred to police department fund	12,900.00	
Transferred to street cleaning and sprinkling fund	1,800.00	
Transferred to improvement bond interest fund	3,370.00	
Transferred to street lamp fund	7,059.68	
Warrants paid and returned	19,118.28	
Interest paid on warrants	158.88	
Balance	12,632.66½	
	\$ 68,739.50½	\$ 68,739.50½

FIRE DEPARTMENT FUND.

Balance as per report September 30, 1898	\$ 5,630.81	
Transferred from general fund	11,700.00	
Received R. W. Hoyt, county treasurer, tax 1897 and 1898	11,064.40	
Warrants paid and returned	\$ 18,881.46	
Interest paid on warrants	171.14	
Balance	9,342.61	
	\$ 28,395.21	\$ 28,395.21

POLICE DEPARTMENT FUND.

Balance as per report September 30, 1898	\$ 3,593.07	
Transferred from general fund	12,900.00	
Warrants paid and returned	\$ 15,816.67	
Interest paid on warrants	421.74	
Balance	254.66	
	\$ 16,493.07	\$ 16,493.07

STREET CLEANING AND SPRINKLING FUND.

Balance as per report September 30, 1898	\$ 656.43	
Transferred from general fund	1,800.00	
Received F. D. Hennessy, municipal judge, fines and costs municipal court	962.50	
E. Ryan, manure sold	1.00	
E. Ryan, sale of horse	35.00	

Received 12½ per cent. general licenses for quarter		3,972.84
Warrants paid and returned	\$ 6,088.67	
Interest paid on warrants	14.03	
Balance	1,325.07	
	\$ 7,427.77	\$ 7,427.77

STREET IMPROVEMENT FUND.

Balance as per report September 30, 1898	\$ 7,180.91½	
Received sundry collections	13,401.60	
Transferred to general fund	\$ 748.82	
Warrants paid and returned	13,669.11	
Balance	6,164.58½	
	\$ 20,582.51½	\$ 20,582.51½

SEWER FUND.

Balance as per report September 30, 1898	\$ 1,097.13	
Received from sundry collections	2,300.34	
Warrants paid and returned	\$ 2,157.68	
Transferred to general fund	441.93	
Balance	797.86	
	\$ 3,397.47	\$ 3,397.47

IMPROVEMENT FUND.

Balance Ladd & Tilton, as per report September 30, 1898	\$ 33,311.13	
Received sundry collections	2,473.15	
Balance Ladd & Tilton	\$ 33,311.13	
Balance in treasury	2,473.15	
	\$ 35,784.28	\$ 35,784.28

STREET EXTENSION FUND.

Balance as per report September 30, 1898	\$ 1,887.10	
Received sundry collections	17.00	
Transferred to general fund	\$ 21.00	
Balance	1,883.10	
	\$ 1,904.10	\$ 1,904.10

LITIGATION FUND.

Balance as per report September 30, 1898	\$	83.02	
Received from J. M. Long		2.00	
Received from general fund		200.00	
City attorney's orders, paid and returned	\$	214.55	
Balance		70.47	
	\$	285.02	\$ 285.02

BONDED INDEBTEDNESS INTEREST FUND.

Balance treasury September 30, 1898	\$	66,113.41	
Balance in New York		140.00	
Received R. W. Hoyt, county treasurer, taxes 1897		5,135.12	
Accrued interest on bonds sold		1,134.72	
Coupons and warrants paid and returned	\$	15,745.00	
Balance in New York to redeem coupons		17,140.00	
Balance in treasury		39,638.25	
	\$	72,523.25	\$ 72,523.25

IMPROVEMENT BOND INTEREST FUND.

Balance as per report September 30, 1898	\$	680.03	
Transferred from general fund		3,370.00	
Received from sundry collections		120.82	
Coupons redeemed and returned	\$	2,925.08	
Balance		1,245.77	
	\$	4,170.85	\$ 4,170.85

STREET LAMP FUND.

Transferred from general fund	\$	7,059.68	
Warrants paid	\$	7,059.68	

WILLAMETTE RIVER FUND.

Balance as per report September 30, 1898	\$	8.71	
Balance		8.71	

WATER BOND INTEREST FUND.

Balance as per report September 30, 1898	\$	600.00	
Coupons redeemed and returned	\$	375.00	
Balance		225.00	
	\$	600.00	\$ 600.00

EAST SIDE WATER EXPENSE FUND.

Balance as per report September 30, 1898	\$	1.90	
Balance	\$	1.90	

FIRE BADGE REDEMPTION FUND.

Balance as per report September 30, 1898	\$	75.00	
Balance	\$	75.00	

EAST PORTLAND WATER FUND.

Balance as per report September 30, 1898	\$	16.35	
Balance	\$	16.35	

BOULEVARD FUND.

Balance as per report September 30, 1898	\$	217.77	
Balance	\$	217.77	

FUND FOR REPAYMENT TWO-MILL TAX.

Balance as per report September 30, 1898	\$	76.52	
Warrants paid and returned	\$	39.07	
Balance		37.45	
	\$	76.52	\$ 76.52

STREET AND SEWER INTEREST FUND.

Balance as per report September 30, 1898	\$	953.30	
Received sundry collections		674.29	
Disbursed	\$	515.98	

Balance	1,111.61
	\$ 1,627.59 \$ 1,627.59

GENERAL FUND REDEMPTION OF WARRANTS.

Received from sale of 430 bonds	\$430,000.00	
Received premium on bonds sold	106,774.73	
Warrants paid and returned	\$422,796.63	
Interest paid on warrants	26,414.87	
Balance	87,563.23	
	\$536,774.73	\$536,774.73

GENERAL SUMMARY.

Balance in treasury, as stated	\$146,339.21
Balance Ladd & Tilton, as stated	33,311.13
Balance in New York, as stated	17,140.00
Balance Oregon National bank (defunct)	7,287.32
Balance Union Banking Co. (defunct)	11,458.68

Credited as follows:

General fund	\$ 12,632.66½
Fire department fund	9,342.61
Police department fund	254.68
Street cleaning and sprinkling fund	1,325.07
Street improvement fund	6,164.58½
Sewer fund	797.86
Improvement fund, treasury	2,473.15
Improvement fund (Ladd & Tilton)	33,311.13
Street extension fund	1,883.10
Litigation fund	70.47
Bonded indebtedness interest, New York	17,140.00
Bonded indebtedness in treasury	39,638.25
Improvement bond interest	1,245.77
Water bond interest fund	225.00
Willamette river fund	8.71
East Side water expense	1.90
Fire badge redemption fund	75.00
East Portland water fund	16.35
Boulevard fund	217.77
Fund for repayment 2-mill tax	37.45
Street and sewer interest fund	1,111.61
General fund redemption of warrants	87,563.23
	\$215,536.34 \$215,536.34

STREET IMPROVEMENT FUNDS.

Balance in this fund, as stated\$ 6,164.58½

Credited as follows:

	\$ 6.51
Fifth (Stephens to Adams)	43.16
M	62.73
Clinton	186.75
R	35.05
Chapman	18.55
Front (Gaines to First avenue)	14.64
Hood	1.41
Taylor (Tenth to Fourteenth)	1.85
Second (Sheridan to Gibbs)	79.00
Clifton	4.80
Clay (East) (Fourth to east boundary city)....	207.47½
Fifth (K to Ellsworth)	51.15
Myrtle (Thirteenth to Nineteenth)	21.20
G (east to west end)	83.00
Elliott (Helm to Williams avenue)	41.41
North Twenty-second (J to P)	10.45
East H (east to west end)	43.64
H (Twenty-second to Twenty-third)	45.54
North Twenty-third (F to J)	13.74
G (Third to West Park)	9.10
Multnomah (Grover to Curry)	6.00
East Glisan (Ninth to Twelfth)	26.89
East Sixteenth (Holladay to Belmont) .....	.94
Weidler	4.20
Shaver (Maryland to Williams avenue)	30.96
East Twenty-fourth (formerly A)	1.85
East Oak (Second to Water)	15.25
East Eighth (Ainsworth to Dekum avenue)	126.17
Tacoma avenue	64.15
Spokane avenue	13.41
Fifth street	361.23
Umatilla avenue	6.57
Morrison (Front to Chapman)	12.00
East Seventeenth (Morrison to Stark)	33.82
East Harrison (Eleventh to Third)	5.46
Sixth (Morrison to Hoyt)	8.44
Beacon (Milwaukie to East Eighth street)	13.50
Cable (Mill to Terrace Road)	12.58
Milwaukie and East Eleventh	1.01
East Stark (Water to Sixteenth)	

Hoyt (Fourth to Fifth)	2.50
Madrona (1)	17.63
Fremont	11.47
Grand avenue (Clay to Stark)	64.09
Nineteenth (Thurman to Sherlock)	5.00
Front (Madison to Lincoln)	33.48
East Second (Oak to Washington)	5.88
Third (Main to Columbia)	6.50
Columbia (First to Front)	20.91
Grand avenue (Burnside to Stark)	13.24
Marshall (Sixteenth to Twenty-second)	126.25
Hawthorne avenue	97.00
South half Hamilton avenue	5.60
Clinton (Twenty-first to Thirty-sixth)	22.33
Gantenbein avenue	2.84
Commercial street	135.73
East Water (Oak to Hawthorne)	125.28
Belmont	817.96
Fourth (Jefferson to Burnside)	28.81
Burnside (Sixth to Washington)	12.85
Constance	16.90
Going	57.25
East Taylor (Thirty-fourth to Thirty-eighth) ..	5.00
Burnside (Third to Sixth)	4.00
Stark street (Fourth to Sixth) .....	.90
Fourth (Burnside to Glisan)	38.35
First (Stark to Madison)	29.52
Russell (Williams to Delay)	112.40
Oak (Third to Sixth)	4.25
Thirteenth street (Glisan to Hoyt)	1.50
First (Burnside to Stark)	4.22
Hood (50 feet S. to 125 feet N. Woods)	36.67
Hood (110 feet to 318 feet S. Caruthers)	4.74
First street (Madison to Woods)	45.75
East Twentieth (Hawthorne ave. to East Stark) ..	31.36
Yamhill (First to Fourth)	4.25
Grand avenue (Clay to Grant)	1.47
East Salmon, south one-half	11.67
Columbia (Third to Water)	8.24
Front	92.38
Goldsmith .....	.25
Pine (second to Third)	613.02
Fourteenth (Quimby to Raleigh)	2.00
Grand avenue (Grant to Caruthers)	5.50
Northrup (Ninth to Twelfth)	30.00

East Washington (Sixth to Eighth)	3.25
Corbett street	1.90
Elm (Sixteenth to Chapman)	3.00
McMillen street and Williams avenue	140.00
Eleventh (Northrup to Quimby)	7.75
Glisan (Park to Twenty-second)	39.10
Grand avenue (Everett to 137 feet N. Flanders) ..	.25
First (100 feet N. to 100 feet S. of Grover)	2.25
Hancock (East First to Union avenue)	7.75
Front (15 feet N. Woods to Grover)	2.50
Corbett (110 feet N. to 30 feet S. of Pennoyer) ..	1.75
East Eleventh (Hawthorne to Division)	18.59
Skidmore	8.50
Twenty-second (Johnson to St. Helens road) ..	181.70
Failing	38.64
Kerby	51.80
Going	12.25
Hawthorne (Third to Twelfth)	16.52
Jefferson (Sixteenth to City Park)	6.15
Front (Madison to Burnside)	56.36
Sherman (East) (Seventh to Twelfth)	8 60
Grand avenue (Burnside to Holladay avenue) ..	19.24
Thirty-second (Belmont to Taylor)	61.22
Mason	3.50
Union avenue (Burnside to Weidler)	28.23
Corbett (Hood to Bancroft)	11.00
Eleventh	4.75
Davis	6.15
Washington (Front to First) .....	.75
Albina avenue	131.09
Cleveland avenue	299.44
Union avenue (12 feet south of to 131 feet north of Broadway)	14.49
Grand avenue (11 feet north of Stark to 111 feet north of Oak)	138.87
Pettygrove	390.46
East Morrison (Union to Grand)	3.86
	\$ 6,164.58½\$ 6,164.58½

SEWER FUNDS.

Balance in fund as stated	\$ 797.86
Credited as follows:	
P street	\$ 134.44
Q street	38.36

Pennoyer	9.07
Williams avenue et al.....	90.00
Whitaker	1.05
East Alder et al.....	279.67
East Fifteenth	14.45
East Taylor (Nineteenth to Twenty-eighth)....	4.00
Rodney avenue et al.....	9.00
First (Whitaker to Grover)	7.20
Macadam (Gibbs to Wood)	1.00
East Eleventh (Division to Hawthorne)	40.00
Eugene (Rodney to Page)	5.00
Portland Heights	44.00
East Grant (Sixth to Ninth)	5.20
Alder street (river to Sixth)	5.86
Upshur and Twenty-fifth .....	.29
Kelly	41.30
North Thirteenth and D	7.50
East Tenth (Tillamook to Hancock)	34.72
Vancouver avenue (250 to 150 feet north of Page)	19.25
Russell (East Seventh to Union avenue)	6.50
	<hr/>
	\$ 797.86 \$ 797.86

STREET EXTENSION FUNDS.

Balance as stated\$ 1,883.10

Credited as follows:

Heights, Terrace	\$ 10.00
V	472.50
W	671.00
Eleventh	14.70
Q	5.00
Hawthorne avenue	19.40
Fifth	6.00
Twenty-sixth	433.50
Dawson	12.00
Commercial	2.00
Sixth (north to south line Sheridan)	71.27
Peninsular avenue	6.16
Clinton	20.65
East Twenty-eighth	10.00
Corbett	84.42

Willis boulevard	31.00
Clinton	5.00
East Burnside	8.50

\$ 1,883.10 \$ 1,883.10

Respectfully submitted,

FRANK HACHENEY, City Treasurer.

CITY ENGINEER'S REPORT

Office of the City Engineer,
Portland, Or., December 31, 1898.

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

Gentlemen—I have the honor of submitting herewith my annual report of the work done by and under the supervision of this department during the year 1898, together with certain tabulated statements and statistics and written matter which may be of interest to your honorable body and our citizens and taxpayers at large.

STREETS.

Good streets, well paved and drained, are now recognized as one of the essential factors in the progress and well-being of all communities. A city without modern pavements and an approved system of sewerage and drainage, insuring health and comfort to its inhabitants, will be outstripped by its more progressive neighbors. The many advantages of smooth, noiseless and sanitary street pavements have been clearly demonstrated, and the perfecting of plans and specifications for work of this character has, in late years, claimed the attention and enlisted the efforts of the most prominent engineers of our country.

The question is often asked: "Which is the best kind of street pavement?" a question that is obviously very difficult, if not absolutely impossible, to answer satisfactorily, as so many local conditions and circumstances must be taken into consideration. For instance, there is no doubt that the stone-block pavement, laid upon a solid foundation, is the most durable and gives the best satisfaction in the wholesale districts, where the traffic is great and heavy; but, being rough and noisy, is entirely unsuited for the retail and residence portions of a city. Again, while asphalt makes a smooth and beautiful pavement, it will not answer at all on streets having a steep grade. And so on, every kind has its advantages and drawbacks; but, as all modern pavements are durable and sanitary, if properly constructed, property-owners and city authorities make no mistake in selecting any one of them.

STONE BLOCKS.

This pavement, as already stated, is the most durable of all, if well built and laid upon a good, solid foundation, and answers best all the

requirements of a permanent street improvement in districts subject to constant heavy traffic. In the immediate neighborhood of this city there are inexhaustible quarries of black basalt, a rock admirably adapted for street paving. The blocks should be trimmed so as to have edges perfectly true, and thereby reduce the joints to the least possible thickness. They must be imbedded in clean, sharp sand and well rammed, so as to present a smooth and even surface. All joints should be filled with clean, coarse sand, or, better still, grouted with a coat of paving asphalt and sand.

VITRIFIED BRICK.

Several streets in the city have recently been paved with vitrified brick manufactured in this state and the adjoining state of Washington. Many cities in the East have adopted this class of pavement extensively, and both success and failure have been experienced. Success primarily depends upon the quality of the brick. The brick made in this vicinity compared well in the laboratory tests with Eastern brick, the percentages, loss by abrasion and absorption of water, being no greater, and in some instances less, than the standard adopted in the East. This was notably true of the Jensen paving brick. But all our brick seem to be deficient in toughness, as the edges wear off rapidly under heavy traffic during the first few months. Notwithstanding this, we believe that with experience our brickmakers will be able to produce an article that will make an economical pavement on all but streets having the heaviest traffic, especially so for residence streets, where the travel is light and the material must be one that will resist decay.

WOOD BLOCKS.

Wood blocks have been used for paving purposes extensively in the United States, Europe and the British colonies for many years, but it is comparatively only recently that the necessity for selecting good material for the blocks, giving them antiseptic treatment to prevent decay, and of placing the blocks upon a substantial concrete foundation has been recognized by municipal engineers. If the material is well selected, and the construction thorough in every respect, wood blocks will meet all reasonable expectations, as they make a smooth, noiseless and durable pavement, and afford a good foothold for horses during all kinds of weather. As far as material is concerned, the Oregon yellow fir is a fairly good one, for, while it does not resist the process of decay as well as some of the cedars, it bears abrasion well and can be obtained cheaply. To make the best wood-block pave-

ment, it is necessary to treat the blocks to prevent decay. The most successful treatment is creosoting, but, as it requires from ten to twelve pounds of creosote oil for each cubic foot of wood, the cost is excessive. A very successful specification is to lay the blocks close together, block to block, upon a six-inch concrete foundation. Before laying, they are treated, after being thoroughly dried and seasoned, by boiling in asphalt. After being laid, the spaces between the blocks are entirely filled with boiling asphalt and the entire surface covered with a heavy coat of the same material. Generally, the blocks are laid in rows at right angles to the curbs, with broken joints. Along the curbs, three or four rows of blocks are laid lengthwise; and next to the curb a space, two inches wide, is filled with puddled clay to provide a yielding joint for any possible expansion. A street improved in this manner will last for many years, and during its life be under but small expense for maintenance. In the wood pavements heretofore constructed in Portland, we have not used treated blocks, for the reason that the cost would be greatly increased, and it was believed to be cheaper, where the price of lumber is low, to use plain, untreated blocks, and renew them when worn out. This is still an open question, but the highest grade of wood-block pavement requires treated blocks.

MACADAM.

Macadam makes, in the residence and suburban portions of a city, a most excellent improvement, as it answers well all practical purposes, and, on account of its relative low cost, will, no doubt, continue to be extensively built in this city. However, when a macadam street is first constructed, the property-owners very often feel that the contractors have not lived up to their contracts, that the city authorities have been derelict in their duties in accepting the work; in fact, they believe that they have been imposed upon, as, in their opinion, the streets, for which they have to pay, are not what they had a right to expect. A macadam improvement can be made so as to be smooth, hard and durable right from the beginning; but the process of making it is expensive, and costs much more than the average property-owner is willing to pay. It cannot be expected that the contractor, at the price we are paying—about \$1.50 per cubic yard—can continue to roll the street until all the material is cemented into a compact, homogenous mass; he completes his work according to the specifications, and is then entitled to have it accepted. A newly built street presents at first a smooth surface, but the rock underneath may not be thoroughly compacted, and when once the crest on the surface is broken by wagon travel, this rock works up and the street appears rough and in bad condition. Our people must have patience, and, in time, as is proven by

streets that have been in use for a year or so, the rock, crushed rock and screenings will all be cemented together and make a smooth, hard and pleasant driveway. The great difficulty with all our macadam roadways is that they are not properly maintained by being constantly kept in repair and thoroughly sprinkled. As soon as a hole or slight depression appears, such hole or depression ought to be at once cleaned of all mud and dirt, its edges roughened with a pick so as to enable the new material to unite with the old, and then filled with crushed rock of small dimensions. Were this done in every instance, our macadam streets would last much longer and present a much better appearance.

FOUNDATIONS.

World-wide experience points to the fact that the foundation is a vital part of a good pavement, and no pavement can be considered first-class without a hard, unyielding foundation. The experiment of laying brick and wood blocks on gravel and macadam foundations has been tried in the cities of the Middle West with fair results under local conditions; and I believe, where natural drainage is good, or adequate subsoil drainage is provided, satisfactory results may be expected from such foundations on residence streets where the traffic is light. Foundations made of brick, laid flat on several inches of gravel or macadam, have been quite extensively used in some of the smaller Eastern cities; they are better than simple gravel or broken rock, and provide a market for inferior brick from the kiln, thus reducing the cost of the covering material. In a few instances asphalt has been laid on good, clean macadam, Belgian blocks and relaid block pavements with fair results. But all these cheap foundations are inferior to monolithic concrete, and must always be considered as temporary in character, as they are apt to yield in places under heavy loads, and thus destroy the continuity of the surface and of the pavement. Under any but the most favorable conditions they will disappoint the property-owners, and I do not recommend them for first-class improvements. But in streets where the houses are not generally connected with the sewer, water and gas mains, and where the roadway must be opened often, it may be advisable to use these cheap foundations. Allow me to say in this connection that before any permanent concrete foundations are built, all sewer, water and gas extensions and connections ought to be made.

GENERAL REMARKS.

Our city, like every other, has certain streets that connect its business centers with the suburban and farming communities; they are

generally continuations into the city of the county roads. Over these streets the farmer brings his grain to our warehouse and his vegetables to our markets, the woodman hauls the fuel to our homes, and the country people come to patronize our merchants. These streets are therefore arteries of trade in which every citizen and taxpayer has an interest. Under our system and policy of improving and maintaining streets, the owners of property abutting on such streets are required to construct and maintain them in good condition; but as these owners receive but very little, if any, direct benefit from the traffic, it imposes a great hardship upon them. There are streets on the outskirts of the city that have been repeatedly improved and repaired by the property-owners, but as soon as any improvements or repairs are put upon them they become the great thoroughfare for all wood teams and freight wagons coming into the city, and, in consequence, they are soon again cut up and full of holes, and new repairs become necessary. It would seem right and just that the city at large should assist the property-owners in keeping these streets in repair and good condition.

In Portland, the width of most of the streets is sixty feet, with a thirty-six-foot roadway. There are over eighty miles of such streets simply graded, without paving or wearing surface of any kind. These streets are almost impassable in winter, and very dusty in summer. I would suggest to owners the advisability of partial improvement in suburban localities, where the volume of traffic is small. If the roadway is improved eighteen feet wide in the center of the street with gravel, macadam or planks, it will answer all present requirements in such districts; and, as the improvement will cost only about half as much as a full-width pavement, it would not be a heavy tax upon the adjacent property.

Our city, with a population of approximately 90,000, covers an area of about forty square miles. Two-thirds of this population occupy about six square miles; the other third is scattered or collected in small suburban centers, such as Sellwood, Sunnyside, Waverly, Hyland, Fulton and others. During boom times, when all properties had large speculative values, many of the streets in the outlying districts were improved by grading and putting down sidewalks and crosswalks; and, while it was easy to make these improvements at that time, it is hard to maintain them now, when the lots lie idle and it is difficult to find a market for them. The result is that the streets are cut into gullies, crosswalks worn out, and sidewalks in bad order. These conditions will continue until there is an upward tendency in the value of all suburban properties and owners feel able and justified in making the necessary repairs or improvements. It is unwise, in my opinion, to grade or improve streets for speculative purposes and until such improvements are really needed.

ELEVATED ROADWAYS AND BRIDGES.

The table hereto appended shows the amount and character of the repairs made on the elevated roadways and bridges of this city. Most of these structures were built many years ago; they are now old and nearly worn out. I have, with the limited means at my command, endeavored to keep them in as fair condition as possible, and no serious accident, either to person or property, has occurred during the year; but the time will soon come when some of them will have to be extensively repaired or rebuilt. It is contended by many of our citizens owning property adjacent to these elevated roadways and bridges, especially on the east side of the river, that, they having once been built by the property-owners, the city ought to keep them in repair and good condition. The property abutting on these structures is generally, for the very reason that elevated roadways and bridges were necessary, of small value and unremunerative. It would therefore be a great hardship, especially as these improvements add no value to the property, and are almost exclusively used by parties that do not contribute one cent towards their maintenance, if property-owners should be required to defray all the expenses of keeping them in repair. It would be a just and equitable plan, in my opinion, for the city to keep the substructure, that is, the trestles below the street grade, in good condition, and require the owners of the property abutting thereon to repair or renew the decking (roadway and sidewalks) whenever necessary. This would be fair, as it would put the owners of such property upon the same footing with their more fortunate neighbors on solid ground.

SEWERS.

As stated to your honorable body in former reports, "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." An auxiliary sewer of proper dimensions has been built in Alder street, from the west line of Sixth street to the Willamette river, which very satisfactorily solves the problem of taking care of sewerage and surface water of that street and district. Similar auxiliary sewers will become necessary before long in several streets running east and west in the older section of the city, where the sewers were constructed at a time when it was not foreseen that our city would ever develop to its present size and importance.

Johnson Creek Sewer. The inlet basin at the head of this sewer was rebuilt and greatly enlarged, new cribs and protecting grates were

constructed, and minor repairs made. The sewer is now in good condition.

Tanner Creek Sewer. By watching this sewer closely during the period of heavy rainfall, keeping the receiving basin at its head clear of all accumulations, and promptly making repairs as they become necessary from time to time, we have succeeded in preventing any overflow of the creek or damage to the sewer or adjoining property.

Marquam Gulch Sewer. This sewer, ordinarily and under normal conditions, is of sufficient size to answer all requirements; but during severe storms and excessive rainfalls it is not capable of carrying the water tributary to it.

The East Side sewers, having been constructed more recently and upon more scientific principles, have done their work well and have caused but little trouble. There are several sections of the city on the east side of the river for which no sewer provisions have been made as yet. In Southeast Portland, comprising in its drainage basin some 1,200 acres, many new homes and residences have recently been built, and a comprehensive sewer system for that portion of the city will in the near future become a necessity. In Northeast Portland, sewer facilities for large sections of country are imperatively required. I have made thorough topographical surveys, and have perfected the plans for the Beech-street and Irvington districts, which plans are now on file in my office, and for which I would earnestly ask your inspection and consideration.

PARKS.

City Park, containing 40.78 acres, and located at the head of Washington street, is the pride and great recreation-ground of our people during the summer months. It is beautifully situated and affords a magnificent view of the city and surrounding country. Improvements have been made for many years, but, owing to the limited appropriations, they are not as extensive and of the character that the size, wealth and importance of our city seem to justify.

Macleay Park, comprising 107.78 acres, was donated to the city by the late Donald Macleay in 1897, and is located near the western boundary of the city, on both sides of the Cornell county road. It is yet in a perfectly wild state, but could be made one of the grandest parks on the Pacific coast. Before any improvements are attempted, the tract ought to be thoroughly cross-sectioned and a topographical survey made, and then plans and specifications prepared for its conversion into a park. To have this preliminary work done will require an appropriation of about \$2,000.

Governor's Park, 1,815 acres, donated to the city by Hon. Sylvester Pennoyer, could be made one of the prettiest pleasure grounds of this or any other city on the coast. It is located at the very apex of Portland Heights, and can easily be reached by the cable cars of the Portland Traction Company. No improvements have as yet been made, but a small appropriation would clear the ground, construct walks and provide benches.

Holladay Avenue Park, blocks 132, 133, 140, 141, Holladay's addition, would be a pretty place if laid out in park form, and, if so improved, add much to the pleasure of the ladies and children in that part of the city.

Chapman and Lownsdale Squares. These squares, since their improvement, are very attractive; they have been well kept during the summer and fall months. One of our public-spirited citizens has recently informed me that he will erect and dedicate to public use, in time to be turned over to the city on the Fourth of July, 1900, a large and costly fountain; and I have no doubt but that your honorable body will co-operate with this gentleman and assist him in every way possible in carrying out his laudable purpose.

Park Blocks, between Park and West Park streets. In my report for 1897 I said: "These blocks ought to be spaded up, manured and laid out in lawns. Cement walks should be constructed diagonally across the blocks, and ornamental shrubbery set out. In their present condition they are neither useful nor sightly." These statements and recommendations are respectfully renewed.

Public parks are the pride of all cities, and afford the greatest health-promoting pleasures to the public. I would therefore recommend our parks to your fostering care.

ELECTRIC STREET LIGHTS.

At this date the city is lighted by 712 arc lights of 2,000 candle-power each, and 635 incandescent lights of 25 candle-power each, an increase of 39 arc lights and a decrease of 14 incandescent lamps during the year. That portion of the city lying on the west side of the river is lighted by 349 arc and 621 incandescent lamps, and that portion lying on the east side of the river by 363 arc and 14 incandescent lamps. The police department furnishes this office a daily report of all the lamps not burning and length of time out, and deductions are made from the monthly bills for all the lights so reported. During the year 1898 these deductions amounted to \$1,053.26. The total cost of lighting the city for the past year was \$83,869.82.

PERMITS ISSUED IN 1898.

To dig up streets for laying sewer pipes	204
To dig up streets for laying gas pipes	73
To dig up streets for laying water pipes	100
To use streets for building purposes	154
To use streets for moving buildings	9
To improve streets	33
To erect private lights	14

NOTICES ISSUED.

To repair sidewalks and crosswalks	2,551
Miscellaneous notices, such as to erect barricades, to trim trees, to remove obstructions, to repair roadways and bridges, to fill holes in streets, etc.....	983

COST OF BUILDINGS

Erected in 1898, or now in course of construction, as shown by permits, is \$590,415. This amount only includes the cost of buildings for the construction of which the public streets were occupied and used.

I desire to take this occasion to express my sincere appreciation of the uniform courtesy and support extended to me by your honorable body, and to commend to your notice the valuable aid rendered me by my several assistants.

All of which is respectfully submitted,

WILLIAM B. CHASE,
City Engineer.

TABLES AND STATEMENTS HERETO APPENDED.

- 1 Street work, estimated.
- 2 Streets improved and work done under ordinances.
- 3 Streets improved under permits.
- 4 Improvements of streets commenced in 1897, but finished in 1898.
- 5 Length of roadways, sidewalks and crosswalks in the City of Portland, Oregon, on December 31, 1898.
- 6 Plans for street work prepared.
- 7 Bridges and elevated roadways repaired.
- 8 Street extension surveys made.
- 9 Sewer work, estimated.
- 10 Sewers constructed under ordinances.
- 11 Length and description of all sewers in the City of Portland, Oregon, on December 31, 1898.
- 12 Sewer plans prepared.
- 13 New catchbasins built.
- 14 New iron gratings for catchbasins provided.
- 15 Old catchbasins repaired.
- 16 New brick manholes constructed.
- 17 Old brick manholes repaired.
- 18 New wooden manholes built.
- 19 Main sewers repaired.

STREET WORK ESTIMATED IN 1898—(Under Ordinance).

Number.	Name of Street.	Date of Estimate.	No. of Ordinance
1	Jefferson street.....	January 3, 1898	10540
2	Kerby street.....	January 6, 1898	10535
3	East Sherman street.....	January 12, 1898	10570
4	Failing street.....	January 24, 1898	10534
5	Jefferson street.....	January 31, 1898	10573
6	Mason street.....	February 8, 1898	10537
7	Goldsmith street.....	February 16, 1898	10594
8	Grand avenue.....	February 17, 1898	10639
9	Fourteenth street.....	March 2, 1898	10656
10	East Thirty-second street.....	April 27, 1898	10740
11	Eleventh street.....	April 26, 1898	10741
12	Mason street.....	June 8, 1898	10755
13	Union avenue.....	May 11, 1898	10697
14	Corbett street.....	August 31, 1898	10722
15	Albina avenue.....	July 12, 1898	10767
16	Davis street.....	July 12, 1898	10779
17	Haight avenue.....	July 26, 1898	10766
18	Washington street.....	July 12, 1898	10804
19	Cleveland avenue.....	August 8, 1898	10818
20	Pettygrove street.....	November 28, 1898	10791
21	East Seventh street.....	August 24, 1898	10817
22	Commercial street.....	August 24, 1898	10768
23	Fifth street.....	August 29, 1898	10853
24	Alder street.....	August 27, 1898	10883
25	Union avenue.....	August 26, 1898	10925
26	Grand avenue.....	October 22, 1898	10942
27	Prescott street.....	October 26, 1898	10941
28	Fargo street.....	October 27, 1898	10962
29	Gantenhein avenue.....	October 31, 1898	10963
30	Marshall street.....	October 31, 1898	10965
31	East Morrison street.....	November 7, 1898	10924
32	East Morrison street.....	November 16, 1898	10919
33	East Third street.....	November 16, 1898	10921
34	Grand avenue.....	November 18, 1898	10918
35	Vancouver avenue.....	November 17, 1898	10981
36	Cook avenue.....	November 23, 1898	10961
37	Alhina avenue.....	November 22, 1898	10964
38	Seventeenth street.....	December 15, 1898	10923
39	East Twelfth street.....	August 27, 1898	10920
40	Front street.....	September 21, 1898	10945
41	Salmon street.....	September 12, 1898	10943
42	Caruthers street.....	September 21, 1898	10944
43	Eleventh street.....	August 26, 1898	10922
44	East Twelfth street.....	August 26, 1898	10836
45	Clay street.....	October 4, 1898	10927
46	Water and Hood streets.....	October 6, 1898	10892
47	Chapman street.....	October 6, 1898	10928
48	Twelfth street.....	November 10, 1898	10968
49	Hood street.....	November 16, 1898	10967
50	Shaver street.....	December 20, 1898	11031

STREET WORK ESTIMATED IN 1898—(Under Ordinance), Continued.

Extent of Improvement.
Front street to 265 feet east of Front street.....
Shaver street to north line of Central Albina.....
East Seventh street to East Twelfth street.....
Williams avenue to Mississippi avenue.....
Sixteenth street to boundary line of City Park.....
Williams avenue to Mississippi avenue.....
Page street to south line of block 53.....
East Burnside street to Holladay avenue.....
Savner street to Front street.....
Belmont street to East Taylor street.....
Montgomery street to Hall street.....
Mississippi avenue to Maryland avenue.....
East Burnside street to Weidler street.....
Hood street to Bancroft avenue.....
Beech street to north line of Central Albina.....
Twelfth street to Fourteenth street.....
Beech street to Alberta street.....
Front street to First street.....
Shaver street to Beech street.....
Sixteenth street to Twentieth street.....
Hawthorne avenue to East Sherman street.....
Shaver street to Alberta street.....
Morrison street to Alder street.....
Front street to Sixth street.....
Twelve ft. s. of s. line of Broadway st. to 131 ft. n. of n. line of Broadway
Fremont street to north line of Lincoln Park.....
Union avenue to East Tenth street.....
Commercial street to Borthwick street.....
Beech street to Alberta street.....
Twelfth street to Sixteenth street.....
East Eighth street to East Ninth street.....
Union avenue to Grand avenue.....
Twenty ft. n. of East Stark street to 20 ft. s. of East Stark.....
Eleven ft. n. of the s. line of East Stark street to 111 ft. n. of the n. line of East Oak street.....
Hancock street to Broadway street.....
Albina avenue to Mississippi avenue.....
Beech street to Cook avenue.....
Marshall street to 50 feet north of Quimby street.....
East Stark street to 70 feet south of East Oak street.....
One hundred and fifty ft. n. of n. line of Lane street to 70 ft. s. of s. line of Lane street.....
Fifth street to Second street.....
Front street to Hood street.....
Stark street to Burnside street.....
Forty-eight ft. n. of East Irving street to 48½ ft. s. of Pacific street....
Water street to Third street.....
Clay street to 112 feet south of Caruthers street.....
Three ft. s. of center line of Salmon street to 8 ft. n. of Taylor street..
Washington street to center line of Overton street.....
Fifty feet south of Sheridan to Curry street.....
Mississippi avenue to Williams avenue.....

STREET WORK DONE IN 1898—(Under Ordinance).

Number.	Name of Street.	Date of Estimate.	No. of Ordinance
1	McMillen street and Williams ave.	September 21, 1897	10373
2	Crosby street.....	September 21, 1897	10406
3	Corbett street.....	October 4, 1897	10425
4	Front street.....	October 4, 1897	10422
5	Twenty-second street.....	October 12, 1897	10441
6	Hancock street.....	October 13, 1897	10478
7	Fifth street.....	October 19, 1897	10477
8	Going street.....	October 26, 1897	10442
9	Borthwick street.....	October 26, 1897	10443
10	East Eleventh street.....	November 5, 1897	10379
11	Hawthorne avenue.....	November 16, 1897	10502
12	Skidmore street.....	December 8, 1897	10536
13	Front street.....	December 15, 1897	10539
14	Jefferson street.....	January 3, 1898	10540
15	Kerby street.....	January 6, 1898	10535
16	East Sherman street.....	January 12, 1898	10570
17	Failing street.....	January 24, 1898	10534
18	Jefferson street.....	January 31, 1898	10573
19	Mason street.....	February 8, 1898	10537
20	Grand avenue.....	February 17, 1898	10639
21	Fourteenth street.....	March 2, 1898	10656
22	East Thirty-second street.....	April 27, 1898	10740
23	Eleventh street.....	April 26, 1898	10741
24	Mason street.....	June 8, 1898	10755
25	Union avenue.....	May 11, 1898	10697
26	Corbett street.....	August 31, 1898	10722
27	Albina avenue.....	July 12, 1898	10767
28	Davis street.....	July 12, 1898	10779
29	Washington street.....	July 12, 1898	10804
30	Cleveland avenue.....	August 8, 1898	10818
31	Pettygrove street.....	November 28, 1898	10791
32	East Seventh street.....	August 24, 1898	10817
33	Commercial street.....	August 24, 1898	10768
34	Fifth street.....	August 29, 1898	10853
35	Alder street.....	August 27, 1898	10883
36	Union avenue.....	August 26, 1898	10925
37	East Morrison street.....	November 7, 1898	10924
38	East Morrison street.....	November 16, 1898	10919
39	East Third street.....	November 16, 1898	10921
40	Grand avenue.....	November 18, 1898	10918
41	Seventeenth street.....	December 15, 1898	10923
42	East Twelfth street.....	August 27, 1898	10920
43	Front street.....	September 21, 1898	10945
44	Salmon street.....	September 12, 1898	10943
45	Caruthers street.....	September 21, 1898	10944
46	Eleventh street.....	August 26, 1898	10922

STREET WORK DONE IN 1898—(Under Ordinance), Continued.

Extent of Improvement.
Crosby street to Alberta street.....
Holladay avenue to McMillen street.....
110 feet north of Pennoyer street to 30 feet south of Pennoyer street....
15 feet north of Woods street to Grover street.....
Johnston street to St. Helens county road.....
East First street to Union avenue.....
Lincoln street to Caruthers street.....
Union avenue to Williams avenue.....
Shaver street to north line of Central Albina.....
Hawthorne avenue to Division street.....
East Third street to East Twelfth street.....
Williams avenue to Mississippi avenue.....
Madison street to Burnside street.....
Front street to 262 feet east of Front street.....
Shaver street to north line of Central Albina.....
East Seventh street to East Twelfth street.....
Williams avenue to Mississippi avenue.....
Sixteenth street to boundary line of City Park.....
Williams avenue to Mississippi avenue.....
East Burnside street to Holladay avenue.....
Savier street to Front street.....
Belmont street to East Taylor street.....
Montgomery street to Hall street.....
Mississippi avenue to Maryland avenue.....
East Burnside street to Weidler street.....
Hood street to Bancroft avenue.....
Beech street to north line of Central Albina.....
Twelfth street to Fourteenth street.....
Front street to First street.....
Shaver street to Beech street.....
Eighteenth street to Twentieth street.....
Hawthorne avenue to East Sherman street.....
Shaver street to Skidmore street.....
Morrison street to Alder street.....
Front street to Fifth street.....
12 feet south of Broadway to 131 feet north of Broadway.....
East Eighth street to East Ninth street.....
Union avenue to Grand avenue.....
20 feet north of East Stark street to 20 feet south of East Stark street..
11 ft. n. of the s. line of East Stark street to 111 ft. n. of East Oak street
Marshall street to 50 feet north of Quimby street.....
East Stark street to 70 feet south of East Oak street.....
150 ft. n. of n. line of Lane street to 70 ft. s. of Lane street.....
Fifth street to Second street.....
Front street to Hood street.....
Stark street to Burnside street.....

No. 3—STREETS IMPROVED UNDER PERMITS.

1. Irving, in front of lot 1, block 161, Couch, by graveling 100 feet roadway, 18 feet wide.
2. East Twentieth, in front of lot 1, block 4, Smith sub-addition, by grading 137 lineal feet of roadway.
3. Goldsmith, from the southerly line of Albina avenue to the westerly line of Delay street, by repairing 750 lineal feet plank roadway, 40 feet wide.
4. Siskiyou, in front of lot 7, block 11, Albina, by constructing 50 lineal feet of wooden sidewalk.
5. Commercial, in front of lots 11 and 12, block 10, Central Albina, by grading 100 lineal feet of roadway.
6. Cleveland avenue, in front of lots 1 and 2, block 23, Albina Homestead, by building 100 lineal feet of wooden sidewalk.
7. East Ninth, in front of lot 5, block 98, Stephens' addition, by grading 150 lineal feet roadway and constructing 150 lineal feet wooden sidewalk.
8. East Thirty-fourth, in front of lots 3, 4 and 5, block 26, Willamette addition, by grading 150 lineal feet of roadway.
9. Alley in block 1, Multnomah addition, by grading 200 lineal feet of roadway, full width.
10. Front, in front of lot 1, block 8, and lot 8, block 71, by relaying stone blocks.
11. Broadway, in front of lot 8, block 4, Elizabeth Irving addition, by grading 130 lineal feet.
12. Broadway, in front of lot 1, block 3, Elizabeth Irving addition, by grading 130 lineal feet.
13. North Front, in front of blocks 220, 221, 222 and 223, Couch addition, by grading and laying a stone-block pavement.
14. North Front, in front of lot 7, to s. $\frac{1}{2}$ of 25, both inclusive, in block 318, Couch addition, by grading and laying stone-block pavement.
15. Sixth, in front of lots 5 and 8, block R, Couch addition, by relaying stone-block pavement and crosswalks.
16. Sixth, in front of block V, and intersections at Hoyt and Irving streets, Couch addition, by relaying 260 lineal feet stone-block pavement.

17. Sixth, se. $\frac{1}{4}$ intersection of Hoyt street, abutting on lot 7, block Q, Couch addition, by relaying 30 lineal feet of stone-block pavement.
18. Sixth, in front of lots 1 and 4, block U, Couch addition, by relaying 130 feet of stone-block pavement.
19. Front, in front of lots 25 to 33, both inclusive, block 318, Couch addition, by relaying 400 lineal feet of stone-block pavement.
20. Sixth, in front of lots 5 and 8, block U, Couch addition, by relaying 130 feet of stone-block pavement.
21. Salmon, from the e. line of King street to a line 100 feet e. of the e. line of King street, south half, by grading 100 lineal feet of roadway and laying macadam, 18 feet wide.
22. Salmon, from the e. line of King street to a line 263 feet e of the e. line of King street, by grading 263 feet of roadway, 18 feet wide, and laying macadam.
23. Salmon, in front of King's tract, by grading and laying 187 lineal feet of roadway, 18 feet wide, and 199 lineal feet of wooden sidewalk.
24. East Twenty-first, in front of lots 1, 2, 3 and 4, in block 33, in Sullivan's addition, by grading 200 lineal feet of roadway.
25. Sherman, 50 feet west of the east line of block 36, by grading the roadway and putting down 50 lineal feet of sidewalk.
26. East Thirty-first, all in front of blocks 26 and 27, by grading 320 lineal feet of roadway.
27. West Salmon, all in front of block 11, and fractional block adjoining, in King's addition, by grading and macadamizing 350 lineal feet of roadway, 18 feet wide.
28. Twelfth, in front of lots 2, 3, 6, 7, in block 241, Couch addition, by grading 200 lineal feet of roadway.
29. Twelfth, in front of lots 1, 4, 5, 8, in block 240, Couch addition, by grading 200 lineal feet of roadway.
30. Savier, in front of lot 7, in block 3, Couch addition, by constructing 100 lineal feet of plank roadway and 100 lineal feet of wooden sidewalk.
31. Benton, in front of lots 7 and 8, in block 16, McMillen's addition, by grading 100 lineal feet of roadway and constructing 100 lineal feet of wooden sidewalk.
32. Falling, in front of lot 9, in block 18, Albina Homestead, by grading 100 lineal feet of roadway.

STREET WORK BEGUN IN 1897 AND FINISHED IN 1898.

Number.	Name of Street.	Date of Estimate.	No. of Ordinance
1	McMillen st. and Williams ave....	September .....27, 1897	10373
2	Crosby street.....	September .....21, 1897	10406
3	Corbett street.....	October 4, 1897	10425
4	Front street.....	October 4, 1897	10422
5	Twenty-second street.....	October .....12, 1897	10441
6	Hancock street.....	October .....13, 1897	10478
7	Fifth street.....	October .....19, 1897	10477
8	Going street.....	October .....21, 1897	10442
9	Borthwick street.....	October .....26, 1897	10443
10	East Eleventh street.....	November 5, 1897	10379
11	Hawthorne avenue.....	November .....16, 1897	10502
12	Skidmore street.....	December 8, 1897	10536
13	Front street.....	December .....15, 1897	10539

STREET WORK DONE IN 1897 AND FINISHED IN 1898—Continued.

Extent of Improvement.
From south line Crosby street to the center of Alberta street.....
Holladay avenue to southeast line of McMillen street.....
Pennoyer street to 30 feet south of south line of Pennoyer street.....
Fifteen feet north of Woods street to south line of Grover street.....
Johnson street to St. Helens county road.....
East First street to Union avenue.....
Lincoln street to Caruthers street.....
Union avenue to Williams avenue.....
Shaver street to Central Albina.....
Center line of Hawthorne avenue to south line of Division street.....
East line of East Third street to the east line of East Twelfth street....
Williams avenue to Mississippi avenue.....
Madison street to north line Burnside street.....

STREET WORK DONE IN 1897 AND FINISHED IN 1898—Continued.

Number	Name of Street.	Cubic Yards.				Sidewalk
		Exc.	Emb.	Gravel	Mac.	
1	McMillen st. and Williams av..	6325.0				
2	Crosby street.....	352.0	37.0	380.5		1179.36
3	Corbett street.....					
4	Front street.....					
5	Twenty-second street.....	5321.0	23.0		5369.6	
6	Hancock street.....	760.0	279.0			1164.00
7	Fifth street.....	851.0	18.0		1260.0	
8	Going street.....	2378.0	1331.0	1123.7		2323.12
9	Borthwick street.....	5541.0	1053.0			2160.60
10	East Eleventh street.....	117.0		571.3		
11	Hawthorne avenue.....			1063.2		
12	Skidmore street.....	3878.0	2799.0			3300.00
13	Front street.....	142.1	579.8			
	Total	25665.1	6119.8	3138.7	6629.6	

STREET WORK DONE IN 1897 AND FINISHED IN 1898—Continued.

Lineal Feet.										Sq. Yds.
Cross-walk	Stone Gutter	Box Gutter	¼ Plank Roadway	Curb	Relay Cross-walk	Lumber B. M.	Re-deck. Elev. Rdwy.	½ Re-deck. Elev. Rdwy.	Stringers	Stone Block Pavemt.
			14721.45				552			
264.0						1160.0		800.0	1500.0	
						158.1		1359.8	1359.8	
1962.5	1250.0	331		8400.8	72					
279.6										
356.0	224.0			979.8						
432.0	267.6									
308.0										
1178.6										
469.2										
242.0				360.0						
										14104.7
5491.9	1741.6	331	14721.45	9740.6	72	1318.1	552	2159.8	2859.8	14104.7

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

	In place Jan. 1, 1898		Laid during 1898		In place Jan. 1, 1899	
	In Lin. Ft.	In Miles	In Lin. Ft.	In Miles	In Lin. Ft.	In Miles
Bituminous rock pavement	4925	.93	.....	.....	492.5	.93
Asphalt pavement	14985	2.84	1540	.29	16525	3.13
Macadam pavement	209446	39.67	7454	1.41	216900	40.79
Gravel pavement	215947	40.96	7213	1.37	223160	42.33
Stone-block pavement	21553	4.08	2550	.48	21553	4.08
Plank roadway	83374	15.79	12880	2.44	85486	16.19
Bridge	40735	7.71	.....	.....	40735	7.71
Wood-block pavement	7793	1.48	.....	.....	7793	1.48
Brick pavement	3081	.58	200	.04	3281	.62
Graded streets unpaved.....	386694	73.24	19969	3.78	406663	77.02
Total.....	988533	187.22	51806	9.81	1017021	194.28
Wood sidewalk	1535322	290.79	46143	8.74	1581465	296.52
Cement, stone, brick and asphalt sidewalk.....	90414	17.10	2680	.50	93094	17.60
Total.....	1625736	307.89	28823	9.24	1674559	314.12
Wood crosswalk.....	201430	38.15	12019	2.28	206005	38.83
Stone crosswalk.....	5797	1.10	.....	.....	5797	1.10
Total.....	207227	39.25	.....	.....	210802	39.93

PLANS FOR STREET WORK PREPARED IN 1898.

Jefferson Street.—Incline east of Front street, from the east line of Front street to 265 feet east thereof.

Washington Street.—Brick pavement, from the west line of Front street to the east line of First street.

Alder Street.—Wood-block pavement, from the west line of Sixth street to the east line of Lowndale street.

East Yamhill Street.—Elevated roadways between East Water street and Union avenue.

Shaver Street.—Planking, from the east line of Mississippi avenue to the west line of Williams avenue.

BRIDGES AND ELEVATED ROADWAYS REPAIRED IN 1898.

At What Point.

Lane and Front streets	
Corbett, between Curry and Gaines	
Hood, between Porter and Grover	
Corbett, between Porter and Grover	
Front, between Porter and Grover	
First, between Porter and Grover	
Arthur, between Second and Third	
First, between Sheridan and Arthur	
Front, between Caruthers and Arthur	
Hood, between Sheridan and Baker	
Chapman, between Taylor and Salmon	
Chapman, between Washington and Morrison	
Nineteenth, between Washington and Morrison	
Alder, between Lowndale and Chapman	
Sixteenth, between Washington and Morrison	
Northrop, between Twelfth and Eighth	
Eleventh, between Marshall and Quimby	
Twelfth, between Overton and Quimby	
Fourteenth, between Quimby and Raleigh	
Fourteenth, between Savier and Front	
Fifteenth, between Pettygrove and Raleigh	
Sixteenth, between Pettygrove and Raleigh	
Seventeenth, between Marshall and Quimby	
Seventeenth, between Vaughn and Front	
Steel bridge	
Portland Heights	
Front street	
Corbett, between Meade and Arthur	
Washington, between Front and Twenty-third	
East Morrison, between East First and Union avenue	
East Twelfth, between East Stark and East Oak	
Union avenue, between East Yamhill and East Madison	
East Washington, between Union avenue and East Third	
Vancouver avenue and Hancock street	
Borthwick street and Cook avenue	
Holladay avenue and East Sixteenth street	
East Washington and East Water streets	
Grand avenue, between East Everett and East Glisan	
Union avenue, between East Morrison and Belmont	
Hawthorne avenue, between East Water and East First	
East Water street and Hawthorne avenue	
East Clay, between East First and East Second	
Union avenue and Belmont street	
East Washington, between East Seventh and East Eighth	
East Stark and East Third streets	

BRIDGES AND ELEVATED ROADWAYS REPAIRED IN 1898.

Nature of Repairs.

Repaired roadway and bents.
Repaired sidewalk, bulkheads, water-boxes and bents.
Put in new stringers and repaired sidewalks.
Repaired water-boxes, bulkheads and bents.
Repaired water-boxes and bents.
Repaired bents.
Put in new stringers and new planking; repaired bents and roadway.
Repaired sidewalks and bents.
Repaired bents.
Repaired bents.
Repaired roadway and bents.
Repaired roadway and water-boxes.
Repaired bulkhead and bents.
Leveled filling, repaired sidewalks and trapdoors, put in new stringers.
Repaired roadway.
Constructed new trapdoors for street cleaning department.
Repaired bents.
Repaired roadway and bents.
Repaired roadway, fences, sidewalks and bents after the fire.
Repaired bents.
Repaired roadway and bents.
Repaired roadway and bents.
Repaired roadway and bents.
Repaired roadway.
Redecked the roadway of the entire bridge and approaches.
Repaired roadway.
Repaired plank roadway.
Put in new box gutters.
Railed sidewalk.
Raised bridge to grade.
Repaired bents.
Put in new sills and posts.
Put in new stringers.
New sills and posts.
Repaired roadway, put in new sills and posts.
Put in new posts, sills and stringers, and redecked roadway.
Put in new posts and stringers.
Repaired substructure, new posts.
Redecked roadway, put in new stringers.
Repaired bents.
Redecked roadway.
Repaired sidewalk.
Repaired roadway.
Put in new posts and repaired substructure.
Repaired decking of roadway.

STREET EXTENSION SURVEYS IN 1898.

Number.....	Name of Streets	Date of Survey	Area In Square Feet Appropriated....
1	East Twentieth street	January 3, 1898	17687.0
2	Union avenue	April 2, 1898	532007.0
3	Sixteenth street	August 18, 1898	14710.0
4	Fifteenth street	September 3, 1898	3978.0
5	Eighteenth street	August 29, 1898	25978.0
6	St. Helens county road	September 26, 1898	256587.4
7	East Nineteenth street	October 14, 1898	6000.0
8	Sixteenth street	November 14, 1898	15259.0
9	Nineteenth street	July 22, 1898	

STREET EXTENSION SURVEYS IN 1898—Continued.

Description of Survey.
From center line of Clinton street to the center line of Division street..
From Alberta street to the Columbia Slough road.....
From Upshur street to Front street.....
From Upshur street to Front street.....
From Vaughn street to Front street.....
From Front street to Twenty-ninth street.....
From East Ankeny street to East Burnside street.....
From Upshur street to Front street.....
From Sherlock avenue to Front street.....

SEWER WORK ESTIMATED DURING 1898.

Number	Name of Sewer.	Date of Estimate.	No. of Ordinance.
1	East Fourteenth street.....	January .....11, 1898	10571
2	Alder street.....	February 8, 1898	10640
3	East Taylor and East Thirty-second street.....	March 8, 1898	10685
4	Upshur and Twenty-fifth street.....	May .....10, 1898	10769
5	East Tenth street.....	August 9, 1898	10805
6	East Thirty-fifth, East Alder, and East Washington.....	September .....12, 1898	10896
7	Belmont street.....	September .....27, 1898	10929
8	Kelly street.....	October .....11, 1898	10949
9	Stanton street.....	October .....11, 1898	10948
10	Vancouver avenue.....	October .....26, 1898	10970
11	Russell street.....	October .....26, 1898	10969
12	East Sixteenth street.....	November .....10, 1898	10985
13	Eugene street.....	November .....23, 1898	11006
14	Stanton street.....	December .....20, 1898	11034

SEWER WORK ESTIMATED DURING 1898—Continued.

Extent of Sewer.
From a point 75 feet north of north line of East Yamhill street to a sewer in East Taylor and East Fourteenth streets.....
Sixth street to Willamette river.....
One hundred and fifteen ft. e. of East Thirty-first to 16 ft. e. of w. line of Thirty-second street; thence to sewer in Thirty-second street.....
Two hundred feet west of Twenty-fifth street to the sewer in Vaughn street and Twenty-fifth street.....
One hundred feet south of Tillamook street to sewer in Hancock street
Seventy-five ft. n. of E. Washington st.; E. Thirty-fifth to E. Thirty-sixth
Twenty-five ft. w. of E. Eighteenth to the sewer in E. Sixteenth street..
One hundred feet north of Curry street to the sewer in Woods street....
One hundred and twenty-five feet west of Union avenue to the sewer in Stanton street at Rodney avenue.....
Two hundred and fifty ft. n. of Page street to 150 ft. n. of Page street...
East Seventh street to sewer in Union avenue.....
Four hundred and sixty ft. n. of E. Davis to sewer in E. Davis street....
One hundred and forty ft. e. of Rodney avenue to sewer in Rodney ave.
One hundred and thirty-eight 75-100 feet east of Mississippi avenue to sewer in Mississippi avenue.....

SEWER WORK ESTIMATED DURING 1898—Continued.

Number	Name of Sewer.	Lineal Feet Terra Cotta Pipe.			
		8-inch	20-inch	10-inch	12-inch
1	East Fourteenth street	351			
2	Alder street		654		
3	East Taylor and East Thirty-second street	215		68	
4	Upshur and Twenty-fifth street	41			382
5	East Tenth street	208			
6	East Thirty-fifth, East Alder, and East Washington	164		532	430
7	Belmont street	192		285	
8	Kelly street	108		798	
9	Stanton street	433			
10	Vancouver avenue	84			
11	Russell street	635			
12	East Sixteenth street	10		442	
13	Eugene street	133			
14	Stanton street	149			
	Total	2723	654	2125	812

SEWER WORK ESTIMATED DURING 1898—Continued.

"Y" Branches Terra Cotta Pipe.										Number of				Cubic Yards.		Lineal Feet.	
8x8 inches	8x6 inches	20x6 inches	18x6 inches	16x6 inches	10x6 inches	12x6 inches	8 inches	10x20 inches	Elbows, 8 inches	Manholes, Complete	Combination Manhole & C. B.	Complete Connection with Sewer	Concrete Corner	Excavation and Kelling	Rock Embankment	Box	Plank Rdwy taken up and relaid
1	26									1		1		287			
		46	60	20						6		1		2787	20	24	
	12				2				3		1	1	1	172			
						36			3		1	1	1	568			
	16									1		1		154			
					48	44			6		2	1	2	930			
	16				20		1			2		1		335			477
					66				9		3	1	3	761			
	36									1		1		376			
	8											1		78			
	54										2	1		443			
					36		1	3	1	1	1	1	1	473			
	10											1		153			
	12											1		141			
1	190	46	60	20	172	80	1	1	24	14	8	14	8	7658	20	24	477

SEWER WORK DONE IN 1898.

Number.....	Name of Sewer.	Date of Estimate.	No. of Ordinance.
1	East Fourteenth street.....	January .....11, 1898	10571
2	Alder street.....	February 8, 1898	10640
3	East Taylor and East Thirty-second	March 8, 1898	10685
4	Upshur and Twenty-fifth street.....	May .....10, 1898	10769
5	East Tenth street.....	August 9, 1898	10805
6	East Thirty-fifth, East Alder, and East Washington street.....	September .....12, 1898	10896
7	Belmont street.....	September .....27, 1898	10929
8	Kelley street.....	October .....11, 1898	10949
9	Stanton street.....	October .....11, 1898	10948
10	Vancouver avenue.....	October .....26, 1898	10970
11	Russell street.....	October .....26, 1898	10969

SEWER WORK DONE IN 1898—Continued.

Extent of Sewer.
From a point 75 feet north of East Yamhill street to sewer in East Taylor and East Fourteenth street.....
Sixth street to Willamette river
One hundred and fifteen ft. e. of E. Thirty-first street to 16 ft. e. of w. line of E. Thirty-second st., thence to sewer in E. Thirty-second st.....
Two hundred feet west of Twenty-fifth street to the sewer in Vaughn street and Twenty-fifth street.....
One hundred feet s. of Tillamook street to sewer in Hancock street....
Seventy-five ft. n. of E. Washington st.; E. Thirty-fifth to E. Thirty-sixth
Twenty-five ft. w. of E. Eighteenth street to sewer in E. Sixteenth street
One hundred feet north of Curry street to the sewer in Woods street....
One hundred and twenty-five feet west of Union avenue to sewer in Stanton street at Rodney avenue.....
Two hundred and fifty ft. n. of Page street to 150 ft. n. of Page street....
East Seventh street to sewer in Union avenue.....

SEWER WORK DONE IN 1898—Continued.

Number.....	Name of Sewer.	Lineal Feet Terra Cotta Pipe.			
		8-inch.....	20-inch.....	10-inch.....	12-inch.....
1	East Fourteenth street.....	351			
2	Alder street		654		
3	East Taylor and East Thirty-second street.....	215		68	
4	Upshur and Twenty-fifth street.....	41			382
5	East Tenth street.....	208			
6	East Thirty-fifth, East Alder, and East Washington street.....	164		532	430
7	Belmont street.....	192		285	
8	Kelley street.....	108		798	
9	Stanton street.....	433			
10	Vancouver avenue.....	84			
11	Russell street.....	635			
	Total	2431	654	1683	812

SEWER WORK DONE IN 1898—Continued.

Number.....	Name of Sewer.	"Y" Branches Terra Cotta Pipe.							Number of				Cubic Yards.		Lineal Feet.		
		8x8-inch.....	8x6-inch.....	20x6-inch.....	18x6-inch.....	16x6-inch.....	10x6-inch.....	12x6-inch.....	8-inch.....	Elbows, 8-inch.....	Manholes, Complete..	Combination Manhole & C. B.	Complete Connection with Sewer.	Concrete Corner.....	Excavation and Kelling.....	Rock Embankment	Box.....	Plank Runway, taken up and relaid.....
1	East Fourteenth street.....	26								1			1	287			
2	Alder street	46	60	20						6			1	2787	20	24	
3	East Taylor and East Thirty-second street.....	12				2			3		1	1	1	172			
4	Upshur and Twenty-fifth street.....					36			3		1	1	1	568			
5	East Tenth street.....	16								1		1	1	154			
6	East Thirty-fifth, East Alder, and East Washington street.....					48	44		6		2	1	2	930			
7	Belmont street.....	16				20		1		2		1	1	335			477
8	Kelley street.....					66			9		3	1	3	761			
9	Stanton street.....		36							1		1	1	376			
10	Vancouver avenue.....		8									1	1	78			
11	Russell street.....	54								2		1	1	443			
	Total	168	46	60	20	136	80	1	21	13	7	11	7	6891	20	24	477

LENGTH AND INTERIOR DIAMETER OF SEWERS IN PLACE IN THE CITY OF PORTLAND, TO
DECEMBER 31, 1898.

Circular Sewer, Diameter in Inches.

24-inch.....	28-inch.....	30-inch.....	32-inch.....	34-inch.....	36-inch.....	38-inch.....	40-inch.....	42-inch.....	44-inch.....	46-inch.....	48-inch.....	50-inch.....	52-inch.....	54-inch.....	60-inch.....	72-inch.....	74-inch.....	76-inch.....	78-inch.....	80-inch.....	82-inch.....	84-inch.....
1560	260	1069	162	1600	140	5621	1010	930	780	359	2798	2653	260	2173	1684	845	3301	840	400	1892	490	4089

LENGTH AND INTERIOR DIAMETER OF SEWERS IN PLACE IN THE CITY OF PORTLAND, TO
DECEMBER 31, 1898—Continued.

Oval Sewer, Diameter in Inches.	Wooden Sewer.	Terra Cotta Pipe Sewer, Diam. in Inches.																	
60x84-in.....	54x81-in.....	48x72-in.....	44x66-in.....	40x60-in.....	30x45-in.....	24x36-in.....	36x48-in.....	24x24-in.....	24-inch.....	22-inch.....	20-inch.....	18-inch.....	16-inch.....	15-inch.....	14-inch.....	12-inch.....	10-inch.....	9-inch.....	8-inch.....
3984	1756	3079	1820	3808	2504	597	1220	727	10187	3735	6817	10480	21536	20144	45592	146660	71605	45034	26756

SEWER PLANS PREPARED IN 1898.

Alder street, from the west line Sixth street to the Willamette river.

Upshur and Twenty-fifth streets, from 200 feet west of Twenty-fifth street to sewer at Vaughn and Twenty-fifth streets.

East Tenth street, from 100 feet south of Tillamook street to sewer in Hancock street.

East Thirty-fifth street, from 75 feet north of East Washington street to sewer in East Thirty-fifth street. East Washington, East Alder, East Morrison streets, from the west line of East Thirty-sixth street to sewer in East Thirty-fifth street.

Belmont street, from 25 feet west of East Eighteenth street extended to sewer in East Sixteenth street.

Kelby street, from 100 feet north of Curry street to sewer in Woods street gulch.

Stanton street, from 125 feet west of Union avenue to sewer in Stanton street.

Vancouver avenue, from 250 feet north of Page street to sewer in Vancouver avenue.

Russell street, from the west line of East Seventh street to sewer in Union avenue.

East Sixteenth street, from 460 feet north of Davis street to sewer in Davis street.

Eugene street, from 140 feet east of Rodney avenue to sewer in Rodney avenue.

Stanton street, from 138 75-100 feet east of Mississippi avenue to sewer in Mississippi avenue.

Tillamook and East Eighth streets, from the west line of East Nineteenth street in Irvington to East Eighth street; thence south in East Eighth street to sewer in Hancock street.

Beech street, sewer district.

NEW CATCH BASINS BUILT IN 1898.

- 1 at Front and Vine streets.
- 1 at East Ninth and East Sherman streets.
- 1 at Twenty-second and Kearney streets.
- 1 at Morrison and Front streets.
- 1 at Hawthorne avenue and East Eleventh street.

- 1 at East Salmon and East Twenty-third streets.
- 1 at Seventeenth and Jefferson streets.
- 1 at Fourth and Hooker streets.
- 1 at Irving and Ninth streets.
- 1 at Washington, between Twenty-third and Twenty-fourth.
- 1 at Second and Alder streets.
- 1 at Holladay avenue and Crosby streets.
- 2 at Everett and Fifth streets.
- 1 at Burnside and First streets.
- 1 at East Thirty-fourth and East Taylor streets.
- 2 at Washington and Fifth streets.
- 1 at Williams and Hancock avenues.
- 1 at Glisan and Sixth streets.

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NEW IRON GRATINGS FOR CATCH BASINS.

- 1 at Mill and Chapman streets.
- 1 at Market and Chapman streets.
- 1 at Thirteenth and Overton streets.
- 1 at Fourteenth and Johnson streets.
- 1 at Hood and Sherman streets.
- 1 at Grant and Fifth streets.
- 1 at Fourth and Oak streets.
- 1 at Sixth and Davis streets.
- 2 at Sixth and Hoyt streets.
- 1 at Sixteenth and Washington streets.
- 1 at Seventeenth and Clay streets.
- 1 at Twenty-third and Irving streets.
- 1 at Sixth and Everett streets.
- 1 at Fifth and Grant streets.
- 1 at Seventh and Hoyt streets.
- 1 at Front and Pine streets.
- 1 at Front and Oak streets.
- 1 at Front and Stark streets.
- 1 at Front and Washington streets.
- 1 at Front and Yamhill streets.

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CATCH BASINS REPAIRED WITH BRICK IN 1898.

- 1 at Twenty-second and Pettygrove streets.
- 1 at Twenty-second and Kearney streets.
- 1 at Twenty-second and Marshall streets.

- 1 at Twenty-second and Overton streets.
- 1 at Water and Clay streets.
- 1 at Vine and Front streets.
- 2 at Seventh and Hoyt streets.
- 1 at East Eleventh and East Sherman streets.
- 1 at Fourth and Davis streets.
- 1 at Sixth and Glisan streets.
- 1 at Fifth and Alder streets.
- 1 at Third and Main streets.
- 2 at East Thirty-second and East Taylor streets.
- 1 at Park and Market streets.
- 1 at Twenty-fifth and Vaughn streets.
- 1 at Park and Clay streets.
- 1 at Sixth and Flanders streets.
- 1 at Third and Woods streets.
- 1 at Park and Columbia streets.
- 1 at Third and Salmon streets.
- 1 at Sixteenth and Washington streets.
- 1 at Eleventh and Columbia streets.
- 1 at Eleventh and Clay streets.
- 1 at Eleventh and Alder streets.
- 1 at Eleventh and Morrison streets.
- 1 at Second and Market streets.
- 1 at Sixth and Everett streets.
- 1 at Second and Montgomery streets.
- 1 at Corbett and Gibbs streets.
- 1 at Market and Chapman streets.
- 1 at Third and Harrison streets.
- 1 at Front and Harrison streets.
- 1 at East Morrison and East Fifteenth streets.
- 1 at East Taylor and East Thirty-second streets.
- 1 at Jefferson and Third streets.

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NEW BRICK MANHOLES CONSTRUCTED WITH IRON FRAMES AND COVERS.

- 1 at Front and Washington streets.
- 1 at Alder and First streets.
- 1 at Alder and Second streets.
- 1 at Alder and Third streets.
- 1 at Alder and Fourth streets.
- 1 at Front and Gaines streets.
- 1 at Corbett and Pennoyer streets.

- 1 at Water and Pennoyer streets.
- 1 at Water and Gaines streets.
- 1 at Ninth and Hoyt streets.

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OLD MANHOLES REPAIRED WITH BRICK IN 1898.

- 1 at Twenty-second and Pettygrove streets.
- 1 at Union avenue and Clackamas street.
- 1 at Union avenue and Wasco street.
- 1 at Union avenue and Weidler street.
- 1 at Union avenue and Hassalo street.
- 1 at Union avenue and Holladay avenue.
- 1 at Union avenue and Multnomah street.
- 1 at Corbett and Gibbs streets.
- 1 at Columbia and Thirteenth streets.
- 1 at Corbett and Lane streets.
- 1 at Corbett and Curry streets.
- 1 at East Seventh and Stevens street.
- 1 at East Seventh and Lincoln streets.
- 1 at East Fifth and East Alder streets.
- 1 at Harrison and Nineteenth streets.
- 1 at Overton and Nineteenth streets.

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NEW WOODEN MANHOLES BUILT IN 1898.

- 1 at Washington and Front streets.
- 1 at Flanders and Seventeenth streets.
- 1 at Madison and Front streets.
- 1 at Main and First streets.
- 1 at Clay and Fourteenth streets.
- 1 at Glisan and Park streets.
- 1 at Market and Second streets.
- 1 at Harrison and Park streets.
- 1 at Harrison and Fourth streets.
- 1 at Mill and Third streets.
- 1 at Hall and Third streets.
- 1 at Davis and Fifth streets.
- 1 at Harrison and Tenth streets.
- 1 at Flanders and Sixth streets.
- 1 at Taylor and Thirteenth streets.
- 1 at Columbia and Twelfth streets.
- 1 at Montgomery and Park streets.

- 1 at Montgomery and Third streets.
- 1 at Main and Third streets.
- 1 at Salmon and First streets.
- 1 at Glisan and Thirteenth streets.
- 1 at Main and Sixth streets.
- 1 at West Park and Clifton streets.
- 1 at Clay and Park streets.
- 1 at Columbia and West Park streets.
- 1 at Everett and Ella streets.
- 1 at Davis and Sixth streets.
- 1 at Oak and Front streets.
- 1 at Main and West Park streets.
- 1 at Harrison and First streets.
- 1 at Harrison and Seventh streets.
- 1 at Harrison and Front streets.
- 1 at Glisan and Eleventh streets.
- 1 at Glisan and West Park streets.
- 1 at Burnside and First streets.
- 1 at Jackson and Fifth streets.
- 1 at Market and Thirteenth streets.
- 1 at Stark and Third streets.
- 1 at Salmon and Twelfth streets.
- 1 at Madison and Park streets.
- 1 at Couch and East Park streets.
- 1 at Davis and Tenth streets.
- 1 at Ankeny and Seventh streets.
- 1 at Harrison and Water streets.
- 1 at Flanders and Thirteenth streets.
- 1 at Everett, between Nineteenth and Twentieth streets.
- 1 at Montgomery and Eleventh streets.
- 1 at Couch and Ninth streets.
- 1 at Salmon and Ninth streets.

MAIN SEWERS REPAIRED IN 1898.

At What Point.	Nature of Repairs.
Second and Alder streets.....	4 feet 16 inches new pipe and brick work repaired.
Twentieth and Flanders streets.....	Removed roots with which the sewer was stopped up.
First and Oak streets.....	Cleared sewer of debris.
Pine and Front streets.....	Drain sewer pipe had obstructed sewer.
Pennyroyal and Front streets.....	36 feet new pipe and brick work repaired.
Oak, between Third and Fourth.....	4 feet new pipe and brick work repaired.
Vancouver and Broadway.....	6 feet new pipe and brick work repaired.
Second and Sheridan streets.....	16 feet new pipe and brick work repaired.
Pine from Front to Second.....	Dredged and cleaned out.
East Thirty-second and East Yamhill.....	Brick work repaired.
Sellwood and East Seventh.....	Flushed and cleaned out.
East Seventh and Hancock.....	Cleaned out and repaired.
Williams avenue and Broadway.....	Cleaned out and repaired.
Twelfth and Quimby streets.....	118 feet new pipe.
Head of Johnson creek.....	Repaired brick work, cleaned out receiving basin, new cribs.
Head of Tanner creek.....	Erected new wing-walls to receiving basin.
Foot of Madison street.....	Constructed 68 feet new box sewer.
Foot of Russell street.....	12 feet new pipe.
Foot of Harrison street.....	14 feet new pipe.
Eleventh and Mill streets.....	Cleaned out and repaired.

CITY ATTORNEY'S REPORT

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

Complying with the provisions of the law, I herewith submit to you a report of the affairs of the office of City Attorney for the period from December 31, 1897, to December 31, 1898, and have pursuant thereto but to detail the condition of the cases in existence between the dates mentioned:

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 extra work performed for the Water Committee in the construction of the Bull Run water mains, and is undetermined.

E. K. Jones & Co.
vs.
City of Portland.

This case has been tried and judgment rendered against the city, from which judgment the city has appealed to the supreme court, where the same is now pending.

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 case has been tried and judgment rendered in favor of the city, from which judgment plaintiffs have appealed to the supreme court, where the same is now pending.

Esberg-Gunst Cigar Store
vs.
City of Portland.

This case, as stated in the last report, is an action to recover damages to the amount of \$3,000 from the city, alleged to have been caused by the bursting of a water main on Fourth street. Still pending in supreme court.

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. W. Cook
vs.
City of Portland.

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

O. R. & N. Co.
vs.
City of Portland.

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

Jennie Porter
vs.
City of Portland.

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

Ella P. Sears
vs.
City of Portland.

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

S. N. Sigler
vs.
City of Portland.

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

E. Shannon et al.
vs.
City of Portland.

This is a suit to restrain the sale of property for the payment of cost of improving East Water street. It was tried in the circuit court, judgment rendered in favor of the city, from which judgment the plaintiffs have appealed. Briefs now in course of preparation. Case undetermined.

Melissa D. Thayer
vs.
City of Portland.

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

C. H. Wood et al.
vs.
City of Portland.

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

Angeline Berry
vs.
City of Portland.

This is a suit to restrain the sale of property for the cost of improving East Oak street, and is undetermined.

H. A. Hogue

vs.

City of Portland.

This is a suit 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 which was to restrain the sale of property for the cost of the construction of the Portland Heights sewer: was decided in favor of the city, and now stands pending settlement.

W. H. Mall et al.

vs.

City of Portland.

This is a suit to determine the question as to whether or not interest can annually be charged against the installment for the payment of street and sewer improvements under the bonding act; it was tried by the circuit court upon demurrer to the complaint, and, the demurrer having been sustained, the plaintiff refusing to plead further, a judgment was rendered in favor of this city, from which judgment the plaintiffs appeal to the supreme court. The case is undetermined.

A. J. Bauer

vs.

City of Portland.

This is an action at law instituted by plaintiff to collect a portion of his salary as fireman. He claimed he had not received full salary, and the question involved was as to whether or not the salary of the fireman could be reduced by the action of the board of fire commissioners. The circuit court decided the case in favor of the plaintiff, and that such salary could not be reduced; but the city has appealed from such judgment, and the case is now pending in the supreme court.

David Brand

vs.

City of Portland.

This is a suit in equity to compel the city or county to open the approach to Madison-street bridge, which was closed by the bridge commission. Judgment in favor of the city. Plaintiff appeals to the supreme court. Case undetermined.

A. N. Gambell

vs.

J. D. Wickliff.

This is a suit in interpleader, wherein the city deposited certain moneys with the clerk of the court, and asked the court to distribute the same to the persons to whom it might belong. Still pending in circuit court.

J. W. Cook

vs.

City of Portland.

This is a suit in equity to restrain the city from collecting the assessment for the repair of North Front street, and involves simply the question as to whether or not a remonstrance is of any force or effect under the repair clause. Judgment for defendant. Plaintiff appealed. Case pending.

Chan Sing

vs.

City of Portland.

This is an action at law to recover damages for injuries sustained by the overflow of Tanner creek sewer. Verdict and judgment rendered in favor of plaintiff for about \$500, from which judgment the city appealed to the supreme court. Case pending.

Tyler Woodward

vs.

City of Portland.

This is an action at law to recover damages for the injuries sustained by the overflow of Tanner creek sewer, and is at issue, awaiting the decision in the Chan Sing Case.

King Real Estate Association

vs.

City of Portland.

This is an action at law to recover damages for injuries alleged to have been sustained by the construction of the reservoir constructed by the Water Committee, and stands upon demurrer to the defendant's answer.

City & Suburban Railway Company

vs.

City of Portland.

This is a suit in equity to restrain the city from selling property to pay for the cost of improving Goldsmith-street bridge, and stands upon the reply.

Katie Risbrick

vs.

City of Portland.

This is an action at law to recover damages for injuries alleged to have been sustained by the plaintiff having fallen down the elevator shaft in the police court building, and is for the sum of \$12,000. The case now stands upon demurrer to plaintiff's complaint.

H. W. Corbett et al.

vs.

City of Portland.

This is a suit in equity to restrain the city from selling property to pay for the cost of improving Pine street. Case at issue.

Perry Baker

vs.

City of Portland.

This is a suit in equity to restrain the city from selling property to pay for the cost of improving First street. Judgment for the city. Plaintiff appeals. Case undetermined.

T. H. Cain et al.

vs.

A. N. Gambell, as Auditor.

Writ of mandamus to compel city auditor to audit the claim of Cain & McBrien for the repair of street-sprinkling wagons. The writ was demurred to, and demurrer sustained and judgment entered for defendant. Case settled.

Bridget Ginty

vs.

City of Portland.

Action for damages to property on Jefferson street, alleged to have resulted from overflow of the Tanner creek sewer in January, 1896. Jury trial. Judgment for defendant. Time for appeal has not expired.

Commercial National Bank

vs.

City of Portland.

Suit to recover against City of Portland, as successor in interest of the City of Sellwood, upon purported orders assigning the fund from assessment for a street improvement levied on account of improvement of Umatilla avenue. Decree for plaintiff. City appeals and case now pending before supreme court.

T. DeBoest

vs.

W. S. Mason and A. N. Gambell.

Alternative writ of mandamus issued requiring the mayor and auditor to draw a warrant by virtue of a requisition of the fire commissioners for hack salaries due DeBoest. Writ demurred to. Demurrer overruled and answer filed. Answer demurred to and demurrer sustained. Judgment for plaintiff. Case now pending on appeal to supreme court.

Kittie C. Nottage

vs.

City of Portland.

Action to recover amount of special assessment paid under protest for street improvement, improvement East Twelfth street, where court held the original assessment void. Case now stands on defendant's demurrer.

Oregon Real Estate Company

vs.

City of Portland.

Suit in equity to enjoin the collection of a special assessment for the improvement of portions of Union avenue, and to enjoin the collection of a special assessment for the repair of a bridge on Union avenue running over Sullivan's gulch. Demurrer filed by city. Case argued on demurrer and submitted. Now pending.

Oregon Real Estate Company

vs.

City of Portland.

Suit to enjoin the city from repairing the bridge across Sullivan's gulch on East Twelfth street and assessing the cost thereof to the adjacent property. The city demurred to the complaint. Demurrer argued and submitted.

O'Rourke & Foster
vs.
City of Portland.

Action for damages on account of overflow caused by the filling in of Montana avenue. Defendant demurred to plaintiffs' complaint. Demurrer argued and submitted.

Joseph Polivka and 26 others
vs.
City of Portland.

Suit to restrain defendant from levying and collecting the special assessment for the repair of Corbett street, between Hood and Bancroft avenue. Suit now pending on demurrer to plaintiff's bill.

W. J. Shipley
vs.
Frank Hacheney.

Alternative writ of mandamus to compel the treasurer to pay 8 per cent. interest upon city warrants. Defendant demurred. Demurrer overruled and judgment awarding peremptory writ of mandamus was issued as prayed, directing defendants to pay 8 per cent. interest on city warrants up to the time of their call. Defendant appealed to supreme court. Case has been argued and submitted.

E. A. Thomas and Eight Others
vs.
City of Portland et al.

Suit to enjoin the defendants from collecting a special assessment levied for the repair of Corbett street, from the south line of Hood street to the north line of Bancroft avenue. Injunction issued. Defendants demurred. Demurrer not yet argued.

Henry Wagner (M.)
vs.
City of Portland.

Action to recover \$5,000 damages on account of injuries sustained by plaintiff while an employe of the fire department. Case stands on motion to require plaintiff to further amend complaint.

City of Portland
vs.
Chas. Erickson.

Arrested for violating liquor license ordinances. Discharged by municipal judge. Case reviewed by circuit court and the decision of the lower court reversed. Notice of appeal and bond filed in the supreme court. Now pending.

G. Yenke
vs.
City of Portland.

Action brought to recover damages for the failure to collect warrant issued for the opening of South Fourth street. The city demurred. Demurrer sustained. Complaint amended and city renewed demurrer. Now pending.

Corrinne Elwood
vs.
Arthur F. Miller.

Suit to foreclose mortgage on some property in Miller's Addition, which includes a dedicated street through which the Water Committee has laid a main. Defendant has answered, and the case is pending on demurrer to answer.

Chas. McGee
vs.
City of Portland et al.

Convicted of resisting an officer. Plaintiff applied for a writ of habeas corpus to secure his discharge. Writ denied, and plaintiff appealed to supreme court. Supreme court affirmed decision of circuit court.

L. F. Grover
vs.
City of Portland.

Action for damages alleged to have accrued by reason of loss of lateral support in the construction of the reservoirs. Case pending on plaintiff's demurrer and motion to strike out parts of defendant's answer.

Harvey A. Hogue and Three Others

vs.

City of Portland.

Suit to enjoin collection of assessment levied for the extension of Williams avenue, and to restrain the chief of police from making the sale. Demurrer filed and case undetermined.

T. A. Wood et al.

vs.

City of Portland.

Suit to restrain defendants from selling property for assessment levied on property at Fourth and Spokane avenue, Sellwood. Tried before referee, and referee found against the city; exceptions filed to report of referee. Case argued and now under consideration by the court.

RECAPITULATION.

Cases pending January 1, 1899	48
New cases brought during 1898	43
Cases tried and otherwise disposed of during 1898	14
Cases now pending	77
Cases pending on appeal to supreme court.....	15

In addition to the above cases now pending in the circuit or supreme court, it is estimated that there will be from 30 to 40 suits brought during the coming year.

Under section 156 of the new charter, which the requires the city attorney in all cases where the common council has caused any street improvement, elevated roadway or repair of a street to be made, and assessed the cost thereof against the adjacent property, and the act has been declared illegal for want of jurisdiction or any other cause, the city attorney is required to bring an action, joining all the owners of the property that would be liable for the assessment for any given street improvement, in one action. This will necessarily involve an immense amount of work during the year 1899.

Neither does the above statement include any cases that were tried in the police court. The police court averages about 200 cases a month, and it is believed by this department that after the 1st of January, 1899, this business will be largely increased by reason of the turning over to the city by the district attorney of a large amount of business from that office.

The cases of the King Real Estate Association and Grover vs. City of Portland, for damages alleged to have arisen by reason of the con-

struction of the reservoirs near the City Park, aggregate in the amount of damages claimed by the plaintiffs in these cases nearly \$350,000. The city has a counter claim for something over \$40,000. In other words, the plaintiffs claim that the city entirely destroyed a large tract of land, and the city claims that plaintiffs by their act destroyed both of these reservoirs. These cases necessarily entail a large amount of work.

There are several other cases for damages pending, ranging from \$500 up to \$12,000. The balance of the cases are largely to test the validity of assessments against property abutting on streets that have been improved or repaired.

Respectfully submitted,

J. M. LONG,
City Attorney.

HEALTH COMMISSIONER'S REPORT

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

Gentlemen—I herewith respectfully submit the report of the Department of Health, for the year ending December 31, 1898. In submitting this report I desire to call your attention to some of the work being performed in this department. I assumed the duties of this office August 15, 1898. This office was at that time provided with assistance through the Police Department, which was of great assistance in answering the many complaints, and of keeping up the work of the department; but, when the new charter went into effect on the line of economy, this service was dispensed with. We took up such work as seemed to us to be the most needed at that time in improving the sanitary condition of the city.

We made a general inspection of that portion of the city known as Chinatown, and caused much filth to be removed and many changes in the sanitary condition of their premises to be made. We inspected all the Chinese wash-houses situate throughout the resident portion of the city, and found many of them not properly connected with the sewer. We visited and examined the Chinese gardens in the western portion of the city, and, not finding their premises as they should be, caused radical changes both in cleanliness and the manner of caring for the vegetables raised by them. We have made examination of the twenty-six public schools within the city, and have made such recommendations as were in our judgment necessary to the school directors, and some of these recommendations have been acted on by the board, and in some instances the sanitary conditions of the schools have been much improved. We have recommended certain changes in the plumbing in some of the largest schools, and have brought the matter to the attention of the taxpayers at their meeting January 16, 1899. These changes would incur an expense of about \$10,000.00, and the board has not yet felt able to spare that sum for that purpose. We hope that this work may be completed during the summer vacation. We have made personal inspections of the many butcher-shops, slaughter-houses, packing companies; also all bakeries, and many other public places of business, besides answering the many complaints from the resident portion of the city.

You will observe that the possible duties of this office, including the keeping of the record of deaths, births and contagious diseases, are many, and could be better accomplished if some means of conveyance was provided, either by street-car transportation, or a horse and buggy.

The city having assumed a population of 92,500 inhabitants, and covering an area of forty square miles, it would be impossible to do justice to the outer portion of the city unless some means of conveyance is provided.

The city is greatly in need of a Milk and Meat Inspector. This has been a question that has been under consideration for a long time, by the different councils, but no move has been made for its provision. In my short experience in this office the necessity of such an officer would be of untold benefit to our city.

The milk supply of this city is furnished principally from dairies in and about the city. There is no restriction whatever, as far as the city is concerned, except such as given by the commissioner, and his time is fully occupied with other work. The state has a Pure Food and Milk Inspector, but his territory is the whole state, and he has not the time to do the work within the city, and to do it justice. An officer, to do justice to this position, should be a practical veterinary of sufficient knowledge and experience to make examinations as to the healthful condition of the stock, both as milk-producers and meats to be sold from our markets.

Our State Veterinary, who resides in this city, has made some examinations of dairies within the past few months, and has found stock affected with tuberculosis, that was unbeknown to the owner. Milk from these cows was probably being peddled out to families in the city.

The inspection of meats is a matter of great importance. It is unknown how many cases of tuberculosis are contracted through this medium in families of our city. Such diseased stock should be killed, and many of the owners of such diseased stock would be willing to have their stock examined and would be glad to know of their condition. Much good could be done in keeping the dairies clean and the utensils used in carrying milk properly kept. We have on several different occasions condemned meats and sent them to the crematory; but this special work should be taken up systematically, and one man's whole time should be given to it.

THE BOARD OF HEALTH.

The Board of Health met to hold its first meeting August 18, 1898, and designated the last Thursday of each month, at 10 A. M., for holding its regular monthly meeting; and has met each month thereafter. These meetings have been interesting and important respecting the working of this department. Matters of importance are brought before this board to be discussed, and much information is gained in exchanging views. The Mayor presides at all meetings of the board; the City Physician is also an executive officer of the board, but subject to its

direction. The Chief of Police and chairman of the Health and Police Committee, and the Health Commissioner, are also members of the board. The Health Commissioner is the Acting Secretary and Sanitary Inspector. The Plumbing Inspector, while not a member of the board, takes an active interest in these meetings, and much information is gained from him as to the sanitary condition of the city.

MORTALITY.

The general mortality for the year ending December 31, 1898, shows the total number of deaths to be, including people brought here for treatment, 842; showing an increase of 125 over the year 1897. The basis of figures of the death rate in 1897 was 89,000, as estimated by Pope's Directory; the same directory estimates the population for 1898 to be 92,500. While we have a greater number of deaths, we have a larger population. There were eighty-five persons brought to the city for treatment, and died; so the actual death rate that should be accredited to the city would be 757, making the death rate 8.17 per 1,000 inhabitants.

Estimated population	92,500
Total deaths	842
Annual rate per 1,000.....	8.17
Resident deaths	757
Non-resident deaths	85

DIGESTIVE SYSTEM.

Abscess, Liver	8	Hepatitis	1
Appendicitis	7	Hemorrhage of Bowels	1
Carcinoma	1	Inflammation of Stomach	2
Cholera Infantum	9	Inflammation of Bowels	3
Diarrhea	2	Intestinal Catarrh	1
Enteritis and Entero-Colitis..	4	Obstruction of Bowels	2
Gastritis	9	Peritonitis	13
Gastroenteritis	2		

GENERAL DISEASES.

Cancer	39	Ephthoma	2
Cancer, Stomach	6	Sarcom, Hip	1

RESPIRATORY SYSTEM.

Asthma	1	Hemorrhage, Lungs	1
Bronchitis	12	Pneumonia	61
Congestion of Lungs	1	Oedema of Lungs	9
Empysema	1	Oedema of Glottis	1

COMMUNICABLE DISEASES.

Tuberculosis	114	La Grippe	4
Croup, Membranous	1	Typhoid Fever	20
Diphtheria	12	Measles	2
Septicemia	7	Whooping Cough	3

GENITO-URINARY SYSTEM.

Bright's Disease	20	Uremia	11
Cystitis	3	Dropsy	6
Diabetes	6		

NERVOUS DISEASES.

Abscess of Brain	3	Hydrocephalis	1
Acute Mania	1	Meningitis	9
Apoplexy	15	Meningitis, Tubercular	4
Convulsions	14	Meningitis, Cerebro-Spinal	18
Hemorrhage, Cerebral	2	Paralysis	29
Hemorrhage, Pulmonary	5	Softening of Brain	2

CIRCULATORY SYSTEM.

Athroma	3	Empyema	2
Aneurism	1	Heart Paralysis	14
Cardiac Asthemia	9	Heart, Valvular	54
Embolism	2	Heart, Dilation	5
Endocarditis	1	Pernicious Anemia	6

UNCLASSIFIED.

Abscess	5	Inanition	3
Accident	21	Imperfect Developm't of Heart	2
Asphyxiation	1	Laparotomy	1
Alcoholism	3	Malnutrition	1
Burns	9	Morphinism, Chronic	1
Childbirth	1	Murder	2
Cyanosis	1	Marasmus	3
Continued Fever	2	Old Age	27
Drowning	3	Opium Poisoning	3
Exposure	1	Oalitis Media	1
Exhaustion	24	Purpura	2
Enlarged Prostate	2	Pyarthrosis	2
Erysipelas	2	Progressive Muscular Atrophy	1
Fracture of Skull	1	Poisoning	1
Fracture of Ribs	1	Suffocation	3
Fracture of Spine	2	Surgical Shock	8
General Debility	4	Syphilis	2
Hemorrhage	3	Suicide	12
Hypertrophy of Liver	1	Scurvy	1
Hernia	3	Supra-Renal Capsules	1

MORTALITY.

Statement of mortality in the city of Portland, for the year ending December 31, 1898, giving age, color, sex, nativities and social relations:

Month.	Age of Decedents.						Color.			Sex.		Social State.			1898	1897	Nativities.			
	Under 1 year.....	1 to 5 years.....	5 to 20 years.....	20 to 40 years....	40 to 60 years....	60 to 100 years...	White.....	Colored.....	Mongolian.....	Females.....	Males.....	Married, Widows or Widowers...	Single, over 20 years.....	Single, under 20 years.....	Total number of deaths.....	Total number of deaths.....	Foreign.....	Other states.....	Oregon.....	Here for Treatment.....
January	7	1	3	21	18	13	58	1	4	26	37	41	10	11	63	73	24	26	13	14
February	10	9	2	16	17	15	72	0	0	35	37	34	14	15	72	52	30	17	16	15
March	2	5	6	17	32	17	73	0	6	30	49	42	13	17	79	68	36	28	12	14
April	2	6	9	22	21	10	71	0	0	40	31	35	16	23	71	63	24	30	22	7
May	10	7	8	21	8	13	73	1	4	30	48	44	10	24	78	57	27	26	25	7
June	3	2	8	8	13	7	45	0	4	16	33	26	10	13	49	59	17	21	11	7
July	10	2	3	16	10	11	52	2	5	24	34	30	12	16	58	71	20	24	14	8
August	10	6	7	13	13	9	62	1	1	31	33	25	22	17	64	46	21	24	19	8
September	7	7	6	20	16	19	70	0	6	36	40	40	14	22	76	45	26	30	20	0
October	5	1	8	28	17	19	73	0	5	23	55	38	27	13	78	72	30	31	17	5
November	7	1	5	19	19	18	67	0	2	30	41	30	28	11	71	69	20	37	12	5
December	7	3	10	12	27	24	75	0	8	41	42	35	26	22	83	42	29	36	19	5
Totals	86	50	75	213	211	175	791	5	45	362	480	420	202	204	842	717	304	330	200	85

TABLE

Showing number of deaths in hospitals, total number of burial permits issued to cemeteries; also the number brought here and sent away for interment:

Month.	Hospitals.					Cemeteries.										Shipped away.....	Brought here.....
	St. Vincent's Hospital.....	Good Samaritan Hospital.....	Portland Hospital.....	Baby Home.....	Joss House.....	Lone Fir.....	Riverview.....	Mt. Calvary.....	Greenwood.....	Beth Israel.....	St. Mary's.....	Poor Farm.....	Other Places.....				
January ...	9	5	1	0	3	33	4	5	0	1	0	5	4	14	4		
February ..	11	5	4	0	4	36	6	8	5	1	2	5	4	4	6		
March	15	9	2	0	1	36	4	9	9	2	1	3	3	14	7		
April	7	12	0	1	2	33	8	10	6	1	0	1	5	12	15		
May	12	5	0	4	0	35	11	9	3	0	3	2	4	10	9		
June	5	3	1	0	0	23	6	0	5	2	0	1	3	5	5		
July	7	5	1	0	3	23	6	4	2	0	1	4	5	8	9		
August	8	6	0	0	1	26	2	10	3	0	1	4	5	13	3		
September ..	12	4	2	0	1	37	12	7	4	3	2	2	6	12	7		
October ...	20	10	0	0	0	22	7	9	7	1	1	5	3	21	6		
November ..	6	6	0	0	0	29	10	4	5	0	2	4	3	12	4		
December ..	11	8	0	0	3	50	13	12	5	1	1	3	8	9	9		
Totals :	123	78	11	5	18	383	89	87	57	14	17	34	46	138	84		

For comparison, following is given the mortality and rate per 1,000 since 1892:

During	Number Deaths.	Rate per 1,000.
1892	942	10.31
1893	1,056	13.00
1894	836	10.45
1895	847	10.34
1896	884	9.93
1897	717	6.35
1898	757	8.17

Total number of deaths from tuberculosis for the year; also giving comparison and number of deaths occurring from this disease since 1893:

During	Number Deaths.	Rate per 1,000.
1893	96	1.08
1894	112	1.26
1895	117	1.31
1896	148	1.66
1897	143	1.66
1898	107	1.16

Marriage licenses issued during the year:

January	61	July	59
February	52	August	60
March	63	September	66
April	56	October	79
May	44	November	83
June	81	December	90

Total for the year 1898.....794

CONTAGIOUS AND COMMUNICABLE DISEASES.

In comparison with previous years a marked decrease is noted in contagious diseases, excepting scarlet fever and typhoid fever; there being 77 cases of scarlet fever in 1898, while there were only 51 cases in 1897; there were 4 more cases of typhoid fever than in 1897. The noticeable changes are in the decrease of diphtheria and measles cases, there being only 66 cases of diphtheria and 247 cases of measles, while in 1897 there were 151 cases of diphtheria and 591 cases of measles reported. There were 12 deaths from diphtheria last year, while in 1897 there were 17; 2 deaths from measles, while in 1897 there was only 1. There were 4 deaths from la grippe, while in 1897 there were 6; there were 3 deaths from whooping-cough, while in 1897 there was

only 1. It seems the city has fared better in regard to these diseases than during the previous year.

The following table shows the number of contagious and infectious diseases reported for the year 1898; also a comparison with the years 1896 and 1897:

Month.	Diphtheria....	Scarlet Fever.....	Typhoid Fever.....	Measles.....	Chicken Pox..
January	6	3	1	28	0
February	4	14	2	34	0
March	4	10	0	39	1
April	3	6	5	25	0
May	5	10	2	38	0
June	2	6	0	36	0
July	2	7	2	9	0
August	1	2	8	6	0
September	1	0	7	3	0
October	7	8	25	4	1
November	9	7	19	3	0
December	22	4	7	22	3
Totals, 1898	66	77	87	247	5
Totals, 1897	151	51	74	591	11
Totals, 1896	219	157	59	84	6

BIRTHS.

Table showing **total number** of births reported; also sex, color and number of twins, **premature and still births**, for the year; also giving comparison with **totals of 1897**:

Month.	Total number reported.....	Male.....	Female.....	White.....	Colored.....	Mongolian.....	Premature and Still Births.	Twin Births...
January	85	56	29	84	1	0	2	0
February	72	37	35	72	0	0	2	0
March	73	43	30	71	0	2	1	1
April	71	31	40	71	0	0	8	0
May	70	26	44	70	0	0	1	1
June	72	39	33	70	0	2	4	1
July	53	37	16	52	0	1	4	0
August	55	29	26	54	1	0	6	0
September	77	39	38	76	0	1	2	1
October	74	36	38	74	0	0	10	0
November	81	48	33	80	0	1	4	0
December	84	41	43	84	0	0	5	1
Totals, 1898	867	462	405	858	2	7	55	5
Totals, 1897	1083	582	501	1072	4	7	73	7

BACTERIOLOGICAL LABORATORY.

Such a laboratory would be of great benefit to the medical fraternity, and especially so to our City Physician, to enable him to determine the nature of diseases in their earlier stages. Our City Physician presented a petition to your honorable body a few months ago, asking for an appropriation for establishing a bacteriological laboratory, and he has again asked in his annual estimate for its provision.

All well-regulated cities are provided with such necessities for the carrying on of the work of the Health Department, and I would recommend that your honorable body consider this matter seriously and make provision for the same in the near future, as the best work cannot be accomplished without the implements to do it with.

SMALLPOX HOSPITAL.

This dreaded disease is liable to be brought into our midst at any time. A hospital should be provided. Portland having become the important shipping city it has, brings us in contact with ships arriving from all ports of the globe; and, knowing there is more or less of smallpox always existing in the Oriental and other foreign countries, we should be prepared for any emergency that may arise.

The one formerly used at the poor farm having been destroyed by fire, it is necessary as a matter of precaution that a place be provided. We have not been afflicted with smallpox for several years past, but we should not be unprepared should the occasion demand it. The ordinance before you making this provision should be passed.

ANTITOXIN.

Antitoxin in diphtheria cases has greatly reduced the death rate from this dreaded disease. Health boards and bacteriologists throughout the land have recommended this remedy as their standard for diphtheria cases, and the benefits are something wonderful. This should be given as early as possible, and in doses large enough to overcome the toxin. Some of our doctors have not accepted this remedy as yet; but, from information gained from its use throughout the land, with every board of health advocating its use, a physician can hardly expect to escape censure when untoward results occur from it. The efficacy of antitoxin treatment of diphtheria has passed beyond the experimental stage, and is settled beyond all doubt. When generally employed, it has reduced the fatality from diphtheria at least 50 per cent., and when taken in time many lives have been saved from its use.

TABLE

Showing total number of nuisances reported to Health Department; also abatements of same during year ending December 31, 1898:

Month.	Premises Inspected	No. Cause for Complaint	Warning Notices Posted	Houses Placed	Notices Served on General Public	Notices Served on Plumbing Insp'r	Notices Served on Other City Officials	Abatements, General Public	Abatements, Plumbing Insp'r	Totals
January	98	3	2	4	72	10	2	91	7	108
February	72	0	4	7	51	10	0	48	7	59
March	75	2	0	3	50	5	0	53	4	59
April	89	1	0	6	63	5	0	72	6	95
May	91	5	3	7	61	7	0	77	8	100
June	71	1	2	3	52	3	0	59	2	64
July	59	2	3	2	50	3	1	52	3	59
August	189	3	6	17	176	65	8	186	65	254
September	263	5	12	13	163	50	5	170	56	226
October	186	7	15	53	185	18	6	150	41	201
November	142	4	5	39	142	22	4	125	29	154
December	81	3	3	73	81	10	5	76	17	98
Totals	1416	36	55	227	1148	208	31	1159	245	1604

Respectfully submitted,

J. P. MENEFEE,

Health Commissioner.

PLUMBING INSPECTOR'S REPORT

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

I herewith submit my annual report for the year ending December 31, 1898. It is a gratifying indication of the progress of civilization that sanitary science, as it is called, is becoming even to a limited extent a popular study. We are now beginning to appreciate most fully the importance of sanitary science in all classes of society except those which include the very degraded and ignorant. We find a growing interest in the means of guarding against all unhealthful conditions in person, house and environments.

In conjunction with the Board of Health, I inspected all the public schools, and found some of them in unsanitary condition, and reported same to the Board of Directors. I also inspected buildings in which there were contagious diseases, and in most cases found the plumbing in an unsanitary condition; and notified owners to improve same, which in all cases has been attended to.

I condemned that portion of Chinatown situated on blocks 17 and 30, which has since been remodeled. It is my intention to make a thorough inspection of Chinatown, block by block, as I consider that portion of the city a menace to the public health.

I find that in that part of the East Side known as Brooklyn, owing to seepage, the cesspools fill up and overflow in the winter. There are many privy vaults which empty into a small creek running through this section. I would recommend that this district be sewered as soon as possible.

I would also recommend that there be an appropriation made to furnish the Plumbing Department with a smoke-testing machine for testing defective plumbing. It is a foregone conclusion that smoke-testing is gradually superseding the peppermint-and-water tests for discovering defective plumbing work. The smoke test has been of great assistance in other cities in detecting bad workmanship where it was impossible to detect it by any other means. It has also served to lay bare old, worn-out plumbing work that otherwise could not be detected. It has been the means of discovering pipes underneath cement floors that had become honeycombed and eaten through by dampness; also pipes that are put in by careless plumbers, just inside the partitions, permitting the sewer-gas to escape throughout the dwellings.

New buildings inspected	70
Old buildings with new fixtures	766
Buildings connected to public sewer	190
Buildings connected to cesspools	63
Special permits granted	21
Notice to improve sanitary condition of premises from January 1 to July 31, 1898	63
Notice served to improve sanitary condition of premises from August 1 to December 31, 1898	237
Plumbing remodeled after being notified from August 1 to December 31	108
Plumbing remodeled on verbal notice	63
Visits, inspections and examinations from January 1 to July 31, 1898	542
Visits, inspections and examinations from August 1 to December 31, 1898	2,327
Master plumbers found violating ordinance from August 1 to December 31	23
Master plumbers arrested for violating ordinance.....	1
Plumbers	38

I would respectfully call your attention to the fact that my office is in need of transportation, as we are called to the several parts of the city daily, from Sellwood to Portsmouth, and from Willamette Heights to Sunnyside.

Respectfully submitted,

M. P. FLEMING,
Inspector of Plumbing.

REPORT OF MUNICIPAL JUDGE

Office of the Municipal Judge of the City of Portland, Or.
January 1, 1899.

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 1898 from the city and state cases tried in the Municipal Court. The following is a summary given by months:

January, 1898—State cases, \$60; city cases, \$64; total.....	\$ 124.00
February, 1898—State cases, \$65; city cases, \$86; total.....	151.00
March, 1898—State cases, \$20; city cases, \$55; total	75.00
April, 1898—State cases, \$102.50; city cases, \$37; total.....	139.50
May, 1898—State cases, \$15; city cases, \$44.50; total	59.50
June, 1898—State cases, \$75; city cases, \$4; total.....	79.00
July, 1898—State cases, \$40; city cases, \$107; total.....	147.00
August, 1898—State cases, \$112.50; city cases, \$150; total	262.50
September, 1898—State cases, \$70; city cases, \$139; total.....	209.00
October, 1898—State cases, \$65; city cases, \$160; total.....	225.00
November, 1898—State cases, \$75; city cases, \$453.50; total.....	528.50
December, 1898—State cases, \$50; city cases, \$343.50; total.....	393.50

Total for the year 1898\$2,393.50

Respectfully,

FRANK D. HENNESSY,
Municipal Judge of the City of Portland.

REPORT OF CHIEF OF POLICE

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

Gentlemen—Conforming to custom, I have the honor to submit for your consideration my annual report, covering full details of the police department, for the year ending December 31, 1898.

Respectfully submitted,

D. M. McLAUHLAN,
Chief of Police.

COMPARATIVE STATEMENT OF EXPENSES OF THE PORTLAND POLICE FORCE FOR THE YEARS 1893, 1894, 1895, 1896, 1897 AND 1898.

1893.

Warrants drawn on city treasurer	\$118,005.10
Less fines collected and paid into general fund	8,581.45
Net cost to taxpayers	\$109,423.65

1894.

Warrants drawn on city treasurer	\$102,179.36
Less fines collected and paid into general fund	3,802.40
Net cost to taxpayers	\$ 98,376.96

1895.

Warrants drawn on city treasurer	\$ 84,420.33
Less fines collected and paid into general fund	7,811.50
Net cost to taxpayers	\$ 76,608.83

1896.

Warrants drawn on city treasurer	\$ 71,110.59
Less fines collected and paid into general fund	4,773.50
Net cost to taxpayers	\$ 66,337.09

1897.

Warrants drawn on city treasurer	\$ 71,995.58
Less fines collected and paid into general fund	3,195.80
Net cost to taxpayers	\$ 68,799.78

1898.

Warrants drawn on city treasurer	\$ 75,316.16
Less fines collected and paid into general fund	2,363.50
Net cost to taxpayers	\$ 72,952.66

1898.	Claims.	Salaries.	Total.
January 1 to June 30	\$3,767.28	\$34,713.63	\$ 38,480.91
July 1 to December 31	2,730.74	33,904.51	36,835.25
From January 1, 1898, to June 30, 1898:			
Warrants drawn on city treasurer			\$ 38,480.91
Less fines collected and paid into general fund			598.00
Net cost to taxpayers			\$ 37,882.91
From July 1, 1898, to December 31, 1898:			
Warrants drawn on city treasurer			\$ 36,835.25
Less fines collected and paid into general fund			1,765.50
Net cost to taxpayers			\$ 35,069.75

EXPENSES POLICE DEPARTMENT FOR 1898.

	Feed and Care Prisoners...	Feed and Shoe- ing Horses..	Patrol Wagon.	Repairs of Jail.....
January	\$ 155.55	\$ 140.77		\$ 110.90
February	169.71	94.60	\$25.80	88.15
March	123.29	89.25	27.70	398.34
April	94.00	38.00		131.74
May	100.61	122.60	13.75	24.95
June	103.78	124.49	34.05	55.22
July	57.77	129.67	9.35	34.95
August	91.24	115.44	9.95	37.90
September	125.42	112.69	1.10	38.51
October	129.08	83.58	7.00	53.06
November	76.19	135.04	4.90	53.09
December	78.30	41.08		49.40
Totals	\$1,304.94	\$1,207.21	\$133.60	\$1,076.21

EXPENSES POLICE DEPARTMENT FOR 1898.

	Fuel.....	Light.....	Books and Printing....	Phones.....
January	\$ 51.25	\$ 85.65	\$ 44.80	\$ 55.90
February	18.50	42.45	8.25	52.70
March	84.00	86.61	47.40	55.00
April .....	.....	60.80	2.65	61.30
May	12.00	38.56	17.15	64.15
June	24.00	58.09	51.00	61.35
July	15.25	60.96	50.33	67.80
August .....	.....	66.05	60.00	62.30
September	12.00	33.73	.....	41.80
October	27.50	43.03	20.75	18.05
November	49.50	36.16	4.00	62.00
December	55.00	51.15	18.25	37.05
Totals	\$349.00	\$663.24	\$324.58	\$639.40

EXPENSES POLICE DEPARTMENT FOR 1898.

	Telegrams....	Alarm System.....	Contingent....	Salaries.....
January	\$ 16.13	\$ 3.00	\$ 32.80	\$ 5,828.25
February	11.85	104.00	21.60	5,965.00
March	6.42	.....	91.00	5,970.65
April	8.29	4.50	9.00	5,666.15
May	7.72	.....	23.10	5,868.13
June	7.91	29.90	39.25	5,415.45
July	7.35	2.80	50.40	5,850.71
August	17.27	28.10	43.00	5,806.75
September	16.52	50.13	2.00	5,750.20
October	9.52	.....	10.90	5,738.00
November	15.84	13.90	15.83	5,656.35
December	18.81	.....	281.00	5,102.50
Totals	\$143.63	\$236.33	\$619.88	\$68,618.14

RECAPITULATION.

Total claims for 1898	\$ 6,698.02
Total salaries for 1898	68,618.14
Total expenses for 1898	\$75,316.16

LOUIS RAU.

Secretary Board of Police Commissioners.

ANNUAL REPORT DELINQUENT STREET ASSESSMENTS AND TAXES.

Description.	Assessments...	Costs.....	Interest.....	Surplus.....	Penalty.....	Totals.....
Street improvements..	\$10,074.26	\$343.25	\$549.20	\$321.05	.....	\$11,287.76
Sewers	725.15	65.50	42.65	74.72	.....	908.02
Street extension	846.00	14.00	.....	1.50	.....	861.50
Abatement of nuisance	14.50	.....	.13	.....	.....	14.63
Delinquent taxes	80.23	.....	30.47	.....	\$22.04	132.74
Totals	\$11,740.14	\$422.75	\$622.45	\$397.27	\$22.04	\$13,204.65

Honorable D. M. McLauchlan, Chief of Police:

Dear Sir—Herewith please find my annual report for the collection of delinquent street assessments and taxes, for the year ending December 31, 1898.

Yours respectfully,

LOUIS RAU, Clerk.

SUMMARY OF ALL THE FINES AND FORFEITS COLLECTED IN THE MUNICIPAL COURT DURING THE YEAR 1898.

Month.	Fines, state...	Fines, city....	Forfeits, state.	Forfeits, city..	Total.....
January	\$ 50.00	\$ 10.00	\$ 10.00	\$ 54.00	\$ 124.00
February	65.00	24.00	.....	62.00	151.00
March	10.00	15.00	10.00	40.00	75.00
April	10.00	.....	12.00	37.00	139.50
May	5.00	2.50	10.00	42.00	59.50
June	35.00	.....	10.00	4.00	49.00
July	40.00	75.00	.....	32.00	147.00
August	105.00	85.00	7.50	65.00	262.50
September	70.00	75.00	.....	64.00	209.00
October	65.00	72.00	.....	88.00	225.00
November	62.50	396.50	12.50	57.00	528.50
December	25.00	279.00	25.00	64.00	393.50
Grand total .....	.....	.....	.....	.....	\$2,363.50

CLASSIFICATION OF CRIMES.

Attempt to commit murder	1
Abusive language	27
Adultery	3
Acts contrary to good morals	2
Attempting to break seal on car ...	1
Arson	1
Assault with intent to kill	7
After hours	59
Assault and battery	258
Assault with dangerous weapon ...	54
Attempt to rob	2
Bench warrant	1
Burglary	50
Bigamy	1
Buying and receiving stolen goods ..	8
Cocaine in possession	4
Cruelty to animals	7
Carrying concealed weapons	18
Common cheat	2
Contempt of court	2
Chasing children	1
Carrying basket on sidewalk	3
Driving on sidewalk	1
Disturbing religious meeting	2
Disturbing the peace	3
Disorderly conduct	118
Drunkenness	1,144
Doorkeeper in gambling-house	2
Drunk and disorderly	76
Deserting a ship	6
Defacing a building	22
Embezzlement	9
Frequenting opium joint	3
Forgery	8
Fast driving	1
Fugitive from justice	9
False pretenses	8
Gambling	75
Held for reform school	2
Horse-stealing	2
House of ill-fame	5
Held as a witness	100

Held for Seattle officer	1
Illegal voting	11
Impersonating an officer	1
Indecent exposure	7
Injury to personal property	6
Interfering with officer	1
Indecent writing	1
Injury to buildings	33
Insane	36
Keeping opium joint	1
Larceny from a store	2
Larceny	192
Larceny from a person	56
Larceny from a warehouse	3
Larceny in a dwelling	37
Larceny by bailee	39
Larceny by embezzlement	6
Lottery tickets in possession	1
Lewd cohabitation	1
Morphine field	2
Murder	1
Morphine in possession	22
Malicious destruction of property ..	7
Night-walking	48
No charge	11
Obtaining money under false pretenses	12
Offering counterfeit money	1
Obstructing sidewalk	5
Opium in possession	22
Peddling without license	30
Prisoners en route	11
Permitting vicious animals to run at	5
large	2
Passing counterfeit money	2
Passing forged checks	1
Practicing medicine without license ..	2
Pickpocket	1
Perjury	3
Posting bills	1
Robbery	2
Resisting an officer	15
Runaway girl	1
Runaway from county jail	1
Rape	6
Roaming streets	4
Refusing to move on	2

Running a wagon without license	3
Running a wood-saw without license	1
Safe-keeping	10
Selling liquor without a license	4
Saloons open after 1 A. M.	3
Soliciting prostitution	6
Sturdy beggars	111
Suspicious persons	42
Selling liquors to minors	2
Shop-lifting	1
Seduction	3
Saloons open on election day	2
Selling cigarettes to minors	1
Selling adulterated food	3
Shooting in city limits	1
Suicide, attempted	1
Setting up a lottery	13
Sure-thing man	1
Selling opium	5
Serve unexpired term	2
Serve sentence	1
Smoking opium	8
Threats to commit a crime	16
Threatening to kill	26
Threats to do bodily harm	2
Trespass	138
Visiting gambling-houses	1
Violating city ordinance	119
Vagrancy	142

MISCELLANEOUS DUTIES OF THE DEPARTMENT.

Accidents	50
Burglaries reported	261
Defective lamps, arc, 2998; hours out	17,688
Defective lamps, incandescent, 60,174; hours out	41,775
Disturbances suppressed	4
Disturbances reported	7
Dangerous bridges reported	58
Fire alarms given	355
Still alarms	65
Injured persons assisted	8
Intoxicated persons helped home	14
Lost children	192

Larcenies reported	160
Lodgers	131
Nuisances reported	11
Nuisance notices served	9
Runaway horses reported	7
Runaway horses stopped	7
Robberies reported	54
Sidewalk reported for repair	353
Street obstruction reported	7
Sick and injured moved by patrol wagon	40
Wagon calls	1,574
Witnesses summoned	1,848

CONVICTIONS IN THE CIRCUIT COURT OF PRISONERS BOUND OVER BY THE MUNICIPAL COURT
TO THE GRAND JURY DURING THE YEAR 1898.

Date.	Name.	Crime.	Term of Imprisonment.
January	2—J. W. Garrett.....	Larceny.....	90 days in city jail
January	10—T. J. O'Neil.....	Obtaining money by false pretenses.....	2 years in penitentiary
January	11—August Hicks.....	Assault with dangerous weapon.....	\$50 fine
January	12—Hans Hold.....	Larceny.....	30 days in county jail
January	12—Chas. Wells.....	Larceny.....	15 months in penitentiary
January	19—James Murphy.....	Burglary.....	2 years in penitentiary
January	22—Sarah R. Brown.....	Keeping bawdy-house.....	1 year in county jail
January	27—G. N. Smith.....	Larceny from warehouse.....	1 year in penitentiary
February	15—John McKinnon.....	Assault with dangerous weapon.....	\$60 fine
February	7—Chas. Dicky.....	Burglary.....	2 years in penitentiary
February	9—Percy Howell.....	Larceny.....	30 days in county jail
February	9—John Howell.....	Larceny.....	30 days in county jail
February	15—Thos. Nickels.....	Larceny.....	6 years in penitentiary
February	15—Geo. Miller.....	Larceny.....	6 years in penitentiary
February	16—Ed. O'Leary.....	Larceny from store.....	30 days in county jail
February	19—Ida Emmerson.....	Larceny from person.....	\$75 fine
March	2—John D. Newman.....	Burglary.....	2 years in penitentiary
March	5—C. E. Derdine.....	Obtaining money by false pretenses.....	2½ years in penitentiary
March	8—Frank Thompson.....	Larceny.....	1 year in county jail
April	7—Thos. McCarthy.....	Burglary.....	2 years in penitentiary
May	9—Rueben Neer.....	Burglary.....	2 years in penitentiary
May	13—Rueben Neer.....	Larceny in dwelling.....	1 year in penitentiary
May	23—O. P. Heitler.....	Burglary.....	2 years in penitentiary
May	25—C. B. Greenly.....	Burglary.....	2 years in penitentiary
July	8—Ed. Flannegan.....	Assault with dangerous weapon.....	90 days in county jail

July	5—Mike O'Brien.....	Passing counterfeit money.....	2 years in penitentiary
July	6—John Amos.....	Passing counterfeit money.....	2 years in penitentiary
July	20—A. F. Burton.....	Larceny from person.....	\$250 fine
August	1—Harry Evans.....	Larceny.....	2 years in penitentiary
August	2—Jas. Frankling.....	Larceny.....	3 years in penitentiary
August	2—Jas. Monahan.....	Larceny.....	3 years in penitentiary
August	3—J. W. Heney.....	Larceny.....	3 years in penitentiary
August	8—Lewis Barne.....	Larceny.....	6 months in county jail
August	12—Chas. Schroeder.....	Larceny.....	30 days in county jail
August	15—John Smith.....	Larceny.....	1 year in penitentiary
August	15—Wm. Fahey.....	Larceny.....	1 year in penitentiary
August	12—Chas. Culley.....	Selling liquor to minors.....	\$25 fine
September	12—Frank McGee.....	Assault with dangerous weapon.....	30 days in county jail
September	1—Harry Evans.....	Forgery.....	2 years in penitentiary
September	20—Ed. Connor.....	Malicious injury to property.....	\$50 fine
September	24—Jas. Martin.....	Larceny.....	30 days in county jail
October	8—Geo. Scott.....	Larceny.....	6 months in county jail
October	20—Jessie Prime.....	Assault with intent to kill.....	90 days in county jail
October	18—Chas. O'Brien.....	Larceny.....	90 days in county jail
October	18—Sam Wilson.....	Larceny.....	10 months in county jail
October	18—Frank Watson.....	Larceny.....	3 months in county jail
October	17—Christ Arquatte.....	Assault with dangerous weapon.....	\$50 fine
October	24—Pat Carney.....	Larceny.....	6 months in county jail
October	27—J. J. Kelley.....	Larceny.....	6 months in county jail
October	27—S. Morton.....	Larceny.....	2 years in penitentiary
November	1—Ralph Steward.....	Larceny.....	30 days in county jail
November	1—John A. Brenen.....	Assault with intent to commit rape.....	\$50 fine
November	4—Peter K. Evans.....	Larceny.....	6 months in county jail
November	17—John Cohn.....	Burglary.....	1 year in penitentiary

CONVICTIONS IN THE CIRCUIT COURT OF PRISONERS BOUND OVER BY THE MUNICIPAL COURT TO THE GRAND JURY DURING THE YEAR 1898—Continued.

Date.	Name.	Crime.	Term of Imprisonment.
November 17	John McArdle	Burglary	1 year in penitentiary
November 25	Jas. Hoffman	Obtaining money by false pretenses	2 years in penitentiary
November 23	John C. Murther	Larceny	1 year in county jail
December 5	Ed. Tracy	Assault with dangerous weapon	6 months in county jail
December 5	Sam Casey	Assault with dangerous weapon	70 days in county jail
December 5	John Anderson	Assault with dangerous weapon	70 days in county jail
December 5	Mitchell Cope	Assault with dangerous weapon	70 days in county jail
December 12	Geo. Buchter	Larceny	90 days in county jail
December 19	C. H. Borland	Larceny	30 days in county jail
December 19	Geo. Mayford	Forgery	1 year in penitentiary
December 23	Dell Redd	Larceny	30 days in county jail
December 23	A. Conway	Assault with dangerous weapon	90 days in county jail
December 29	John Collins	Assault with dangerous weapon	60 days in county jail
December 29	Harry Bash	Burglary	2 years in penitentiary
December 29	A. Fahey	Burglary	2 years in penitentiary
December 29	Chas. Liscor	Assault with dangerous weapon	1 year in penitentiary

CONVICTIONS IN THE MUNICIPAL COURT.

Date.	Name.	Crime.	Term of Imprisonment.
January 2	Archie Ray	Larceny	3 months in city jail
January 5	Chas. Lee	Morphine in possession	60 days in county jail
January 5	James Brown	Begging	30 days in county jail
January 5	Ed. Kelly	Begging	30 days in county jail
January 5	John Johnson	Larceny	3 months in county jail
January 8	Wm. Doyle	Disorderly conduct	30 days in county jail
January 7	J. Bennett	Disorderly conduct	30 days in county jail
January 7	Jas. Reynolds	Disorderly conduct	30 days in county jail
January 7	Mike Murphy	Disorderly conduct	30 days in county jail
January 10	Chas. Williams	Drunk	10 days in county jail
January 8	John Smith	Trespass	30 days in county jail
January 8	C. Rossenan	Larceny	60 days in county jail
January 10	Wing Young	Larceny	6 months in county jail
January 10	John Williams	Drunk	10 days in county jail
January 10	John Cunningham	Drunk	10 days in county jail
January 10	John Cunningham	Drunk	60 days in county jail
January 10	Otto Bowdre	Larceny	90 days in county jail
January 12	Ah Sing	Opium in possession	90 days in county jail
January 11	Frank Glenn	Trespass	30 days in county jail
January 13	Mike Murphy	Larceny	60 days in county jail
January 13	Fred Winson	Trespass	30 days in county jail
January 13	Geo. Wilson	Trespass	30 days in county jail
January 19	Wm. Blaze	Vagrancy	30 days in county jail
January 20	John Goodell	Larceny	30 days in county jail
January 25	Chas. F. Wilson	Larceny	30 days in county jail
January 28	Jeff. Hennett	Larceny	3 months in county jail

CONVICTIONS IN THE MUNICIPAL COURT—Continued.

Date.	Name.	Crime.	Term of Imprisonment.
January	8—Wm. Hill.....	Larceny.....	6 months in county jail
January	29—James Griffin.....	Trespass.....	30 days in county jail
January	29—James Heenan.....	Trespass.....	30 days in county jail
January	30—Wm. Miller.....	Larceny.....	3 months in county jail
February	1—F. Christenson.....	Defacing building.....	80 days in county jail
February	1—A. Savalof.....	Defacing building.....	90 days in county jail
February	2—Arthur McFadden.....	Larceny.....	30 days in county jail
February	2—Glen McFadden.....	Larceny.....	30 days in county jail
February	2—Elmer Johnson.....	Larceny.....	30 days in county jail
February	2—Peter Weber.....	Begging.....	60 days in county jail
February	1—H. Buxbaum.....	Defacing building.....	90 days in county jail
February	2—Peter Joseph.....	Defacing building.....	90 days in county jail
February	3—John Connors.....	Larceny.....	30 days in county jail
February	5—Thos. Shavy.....	Stolen property in possession.....	30 days in county jail
February	8—Ah Sing.....	Larceny.....	3 months in county jail
February	16—E. Westacott.....	Vagrancy.....	30 days in county jail
February	16—Dan O'Brien.....	Vagrancy.....	30 days in county jail
February	16—Ed. Kelly.....	Vagrancy.....	30 days in county jail
February	16—James Wood.....	Begging.....	60 days in county jail
February	16—Jas. Frazier.....	Begging.....	60 days in county jail
February	19—Bell Huff.....	Morphine in possession.....	30 days in county jail
February	19—Grace Barton.....	Morphine in possession.....	30 days in county jail
February	23—S. Moore.....	Morphine in possession.....	7 months in county jail
February	26—Geo. Graham.....	Defacing building.....	4 months in county jail
February	28—Otto Hoffman.....	Larceny.....	30 days in county jail
March	2—Julius Klein.....	Larceny.....	60 days in county jail
March	4—Frank Wilson.....	Larceny.....	30 days in county jail
March	4—James Arthur.....	Trespass.....	30 days in county jail
March	8—Ah Lung.....	Larceny.....	60 days in county jail
March	9—Jos. Leitner.....	Larceny in dwelling.....	30 days in county jail
March	12—Henry Gray.....	Morphine in possession.....	90 days in county jail
March	14—Jim Steward.....	Larceny.....	30 days in county jail
March	16—Frank O'Brien.....	Larceny.....	30 days in county jail
March	19—J. B. Martin.....	Vagrancy.....	30 days in county jail
March	21—Jos. Labbe.....	Morphine in possession.....	90 days in county jail
March	26—Frank Harris.....	Begging.....	30 days in county jail
March	28—Julius Hubner.....	Larceny.....	90 days in county jail
March	28—C. C. Wilkins.....	Vagrancy.....	60 days in county jail
April	9—O. Haskness.....	Larceny.....	30 days in county jail
April	28—Wm. Crawford.....	Begging.....	30 days in county jail
April	30—Jas. Haywood.....	Larceny.....	30 days in county jail
May	2—Walter Cooper.....	Larceny.....	90 days in county jail
May	16—Chas. Smelzer.....	Vagrancy.....	30 days in county jail
June	7—Wm. Dayly.....	Morphine in possession.....	90 days in county jail
June	10—Joe Gogins.....	Vagrancy.....	30 days in county jail
June	11—Bell Taylor.....	Morphine in possession.....	3 months in county jail
June	16—Bill Montgomery.....	Larceny.....	30 days in county jail
June	23—Vina Moore.....	Larceny.....	30 days in county jail
June	16—F. Brown.....	Trespass.....	30 days in county jail
June	16—J. Murphy.....	Trespass.....	30 days in county jail
June	20—Jesse Young.....	Morphine in possession.....	3 months in county jail
June	20—Maud Gray.....	Morphine in possession.....	3 months in county jail
June	20—Wm. Gray.....	Morphine in possession.....	3 months in county jail

CONVICTIONS IN THE MUNICIPAL COURT—Continued.

Date.	Name.	Crime.	Term of Imprisonment.
June	21—Geo. Harty.....	Larceny.....	60 days in county jail
June	21—Geo. Valentine.....	Larceny.....	60 days in county jail
July	5—John Lebo.....	Larceny.....	6 months in county jail
July	12—John Hubner.....	Trespass.....	90 days in county jail
July	13—George Grant.....	Morphine in possession.....	7 months in county jail
July	13—Ethel Hobbs.....	Morphine in possession.....	7 months in county jail
July	18—Wm. Hill.....	Morphine in possession.....	7 months in county jail
July	17—Geo. Elliott.....	Assault and battery.....	12½ days in county jail
July	21—Susey Sassiner.....	Larceny from person.....	6 months in county jail
July	26—Wanda Orlof.....	Larceny from person.....	4 months in county jail
July	27—Jay Crummey.....	Larceny.....	3 months in county jail
July	30—John Williams.....	Morphine in possession.....	7 months in county jail
August	2—Frank Kilbourn.....	Larceny.....	1 year in county jail
August	16—Bell Taylor.....	Defacing building.....	9 months in county jail
August	18—Bill Lynch.....	Cocaine in possession.....	7 months in county jail
August	18—Lotty Lynch.....	Cocaine in possession.....	7 months in county jail
August	18—Lotty Fay.....	Cocaine in possession.....	7 months in county jail
August	19—Archie Ray.....	Cocaine in possession.....	7 months in county jail
August	19—Fred Primrose.....	Larceny.....	8 months in county jail
August	19—Bill Hamilton.....	Larceny.....	6 months in county jail
August	24—Kate Baltimore.....	Assault and battery.....	10 days in county jail
August	31—Jack Martin.....	Morphine in possession.....	7 months in county jail
August	27—Winnie Crowley.....	Disturbing religious meeting.....	3 months in county jail
September	2—Jas. Casey.....	Defacing building.....	3 months in county jail
September	2—Ella Smith.....	Vagrancy.....	30 days in city jail
September	2—Bill Campbell.....	Drunk.....	90 days in city jail
September	21—S. P. Brennan.....	Sure-thing man.....	25 days in county jail
September	19—A. Hanson.....	Resisting an officer.....	25 days in city jail
September	19—James Brown.....	Begging.....	25 days in city jail
September	29—Dorris Thornton.....	Petty larceny.....	3 months in county jail
September	29—O. E. Eastman.....	Assault and battery.....	25 days in county jail
September	30—Jas. H. Fenton.....	Assault and battery.....	25 days in county jail
October	3—Lizzie Smith.....	Soliciting prostitution.....	90 days in city jail
October	5—Edna Forst.....	Larceny from person.....	2 months in county jail
October	7—W. Olson.....	Larceny.....	2 months in county jail
October	1—Tom Robinson.....	Trespass.....	10 days in county jail
October	11—John Young.....	Begging.....	3 months in county jail
October	15—Ed Mendenhall.....	Morphine in possession.....	7 months in county jail
October	22—John Williams.....	Larceny from store.....	6 months in county jail
October	21—Dan Wilson.....	Begging.....	90 days in county jail
October	24—A. L. Mann.....	Trespass.....	25 days in county jail
October	27—C. Morton.....	Larceny.....	6 months in county jail
October	27—C. Kundse.....	Assault and battery.....	25 days in county jail
October	29—J. Parker.....	Larceny from person.....	4 months in county jail
October	27—Chas. Jones.....	Trespass.....	25 days in county jail
October	28—Harry Scott.....	Larceny from person.....	1 year in county jail
October	29—H. Lindstrom.....	Assault and battery.....	25 days in county jail
November	2—John Hubner.....	Larceny.....	1 year in county jail
November	3—John Fleming.....	Assault and battery.....	25 days in county jail
November	3—Frank Rodgers.....	Trespass.....	10 days in county jail
November	9—Chas. Smelzer.....	Larceny from store.....	1 year in county jail
November	9—Jim Lewis.....	Larceny from store.....	45 days in county jail
November	9—Jas. Buckley.....	Larceny.....	5 months in county jail
November	9—Jas. Hickly.....	Assault and battery.....	25 days in county jail
November	9—Pat Dempsey.....	Assault and battery.....	25 days in county jail

CONVICTIONS IN THE MUNICIPAL COURT—Continued.

Date.	Name.	Crime.	Term of Imprisonment.
November 11	Sam Lee	Trespass	25 days in county jail
November 17	Bill Reynolds	Larceny	30 days in county jail
November 17	Wm. Ryan	Assault and battery	25 days in county jail
November 25	Henry Hamilton	Larceny	1 year in county jail
November 23	Loy Jack	Smoking opium	30 days in county jail
November 23	Hock Junh	Smoking opium	90 days in county jail
November 23	Ah Hong	Smoking opium	125 days in county jail
November 3	Tong Cow	Smoking opium	80 days in county jail
November 3	One Lock	Smoking opium	125 days in county jail
November 5	Jack Davis	Drunk and disorderly	90 days in city jail
November 26	H. Foss	Defacing building	30 days in county jail
November 26	Henry Hoffman	Larceny	30 days in county jail
November 29	Chester Mason	Morphine and cocaine in possession	3 months in county jail
November 29	John Cederstrom	Assault and battery	25 days in county jail
November 29	Chin Jim	Larceny	30 days in county jail
December 5	Michael Cook	Defacing building	60 days in county jail
December 5	Sam Casey	Defacing building	60 days in county jail
December 5	John Anderson	Defacing building	60 days in county jail
December 5	John Neylon	Assault and battery	25 days in county jail
December 6	Chester W. F. Wood	Assault and battery	25 days in county jail
December 8	Fred Lewis	Larceny by bailee	3 months in county jail
December 8	Jas. Houston	Larceny	6 months in county jail
December 8	Ed Tracy	Assault with dangerous weapon	60 days in county jail
December 12	Dick Osborne	Larceny	2 months in county jail
December 17	A. Pader	Larceny	6 months in county jail
December 19	Grace Burton	Larceny	9 months in county jail

December 21	Mrs. Reilly	Trespass	25 days in county jail
December 22	E. J. Trott	Larceny by bailee	2 months in county jail
December 22	Alfred Gles	Defacing property	3 months in county jail
December 23	Harry Smith	Morphine in possession	7 months in county jail
December 23	Jos. Hanson	Carrying concealed weapons	60 days in county jail
December 27	John McKenna	Assault with dangerous weapon	25 days in county jail
December 29	Ed Flynn	Assault and battery	20 days in county jail
December 26	H. Wilson	Larceny	1 year in county jail
December 29	Sam Lee	Trespass	25 days in county jail
December 29	Ed Tracy	Trespass	25 days in county jail
December 28	Mary Green	Defacing building	1 month in county jail
December 28	Tom Wright	Defacing building	1 month in county jail
December 28	Mary Sholl	Defacing building	1 month in county jail

Total number of prisoners sent to the county jail, 1898, 147.

NUMBER OF PRISONERS BOUND OVER TO THE GRAND JURY
BY THE MUNICIPAL COURT.

Total	143
Number of convictions	70
Number of persons arrested on State warrants during year 1898....	479
Number of persons arrested on City warrants during year 1898....	75

NUMBER OF ARRESTS DURING THE YEAR 1898.

Total number	3,262
Number of males arrested	2,915
Number of females arrested	347

DEDUCTIONS FOR LIGHTS REPORTED OUT DURING YEAR 1898.

January	\$ 111.97
February	225.75
March	132.44
April	31.36
May	15.96
June	18.80
July	33.20
August	\$0.85
September	70.08
October	114.01
November	122.86
December	95.98
Total	\$1,053.26

MISCELLANEOUS WORK DONE BY THE POLICE DEPARTMENT
DURING THE YEAR 1898.

The following were turned over by the Municipal Court to the
different Charitable Institutions:

To the Boys and Girls' Aid Society.....	30
To the Magdalen Home.....	6
To the Reform School	2

VALUE OF ARTICLES AND CASH LOST, STOLEN AND RECOVERED
FROM JULY 1 TO DECEMBER 31, 1898.

	REPORTED.				RECOVERED.			
	LOST.		STOLEN.		LOST.		STOLEN.	
	Cash.....	Articles....	Cash.....	Articles....	Articles....	Cash.....	Articles....	
July		\$ 70.00	\$248.00	\$1229.50	\$ 5.00	\$135.45	\$ 275.50	
August		75.00	366.05	1371.50	65.00	.....	190.00
September		115.00	36.25	662.15	115.00	.....	236.00
October	\$25.00	340.00	77.45	781.00	340.00	.....	360.00
November	33.75	.....	123.75	762.50	.....	.....	278.00
December		50.00	80.00	464.00	50.00	.....	269.00
Total ...	\$58.75	\$650.00	\$831.50	\$5270.60	\$575.50	\$135.45	\$1618.50	

NUMBER OF EMPLOYEES, AND THEIR OCCUPATIONS, OF THE
POLICE DEPARTMENT.

1 Chief.	1 Officer for the B. & G. A. S.
2 Captains.	2 Jailers.
1 Clerk to the Chief.	2 License Officers.
1 Clerk to the Commissioners.	1 Matron.
1 Electrician.	1 Stenographer.
1 Assistant Electrician.	2 Patrol Wagon Drivers.
4 Detectives.	1 Humane Officer.
49 Patrolmen.	1 Janitor.

NUMBER AND LOCATIONS OF THE PORTLAND POLICE TELE-
GRAPH BOOTHS.

Number.	Location.
12.....	Third and Alder
13.....	First and Taylor
14.....	First and Columbia
15.....	Third and Montgomery
16.....	First and Caruthers
17.....	Second and Hooker
18.....	Fifth and Lincoln
21.....	Sixth and Morrison
22.....	First and Burnside
23.....	Third and Davis
24.....	Park and Flanders
25.....	Union Depot
26.....	Twenty-fourth and Savier
27.....	Park and Washington
31.....	Bancroft and Corbett
32.....	Park and Jefferson
33.....	Twelfth and Montgomery
34.....	Fourteenth and Alder
35.....	Chapman and Jefferson
36.....	Nineteenth and Washington
37.....	Twenty-third and Washington
41.....	Twenty-first and Irving
42.....	Sixteenth and Irving
43.....	Thirteenth and Marshall
45.....	Seventeenth and Thurman

TELEPHONES USED BY THE OFFICERS ON THE EAST SIDE ARE
LOCATED AT THE FOLLOWING PLACES:

Police Station, Sellwood, Columbia 'phone 5239.
Police Booth, corner Union avenue and East Clay, Columbia 'phone 5224.
Police Station, East Side, Columbia 'phone 5085, East Pine street.
Police Booth, Grand avenue and Hassalo, Columbia 'phone 5225.
Police Station, Albina, Russell, near Mississippi avenue, Columbia 'phone 5133.
Police Station, Woodlawn, Columbia 'phone 5102.

INVENTORY OF REAL AND PERSONAL PROPERTY.

Real estate, estimated value	\$28,000.00
Police telegraph system	5,000.00
1 Patrol wagon	600.00
1 Set patrol harness	40.00
3 Patrol horses	200.00
1 Set harness bangers	10.00
1 Patrol alarm indicator	200.00
Utensils in harn	50.00
Feed and hay	30.00
4 Saddles	30.00
5 Bicycles	275.00

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	10.00
1 Typewriter	30.00
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
1 City Directory	5.00
2 Pairs leg irons	10.00
30 Police clubs and belts	60.00
46 Rolls paper for telegraphing machine	60.00

CHIEF'S OFFICE.

1 Desk	\$ 25.00
1 Office chair	7.00
3 Chairs	6.00
2 Letter files	2.00
1 Stove	4.00
1 Coal scuttle .....	.75
1 Safe	50.00

DETECTIVE'S OFFICE.

1 Desk	\$ 25.00
5 Chairs	7.50
Rogues' gallery	100.00
1 Locker	10.00
Evidence locker	25.00
2 Letter presses	10.00
Detective's criminal record	15.00
1 Table	5.00
1 Criminal description book	5.00
3 Letter files	2.00

SECOND FLOOR.

WITNESS ROOM.

1 File case	\$ 10.00
1 Table	2.00
1 Desk	10.00
1 Safe for Municipal Clerk	100.00
4 Chairs	5.00
Carpet	5.00

MUNICIPAL CLERK'S OFFICE.

1 Roll-top desk	\$ 25.00
1 Flat-top desk	6.00
1 Slant-top desk	10.00
1 File case	15.00
1 Hat rack	5.00
3 Chairs	4.50
1 Coal scuttle .....	.75
2 Cuspidors .....	.25
1 Waste basket .....	.25

COURT ROOM.

1 Stove and pipe	\$ 15.00
1 Table for Attorneys	10.00
1 Clerk's table	2.00
26 Chairs	39.00
1 Witness chair	3.00
1 Judge's chair	3.00
6 Benches	30.00
7 Cuspidors	3.50
Matting	30.00

OFFICERS' ROOM.

12 Chairs	\$ 18.00
1 Desk	5.00
2 Tables	3.00
1 Stove and pipe	5.00
3 Cuspidors	1.50
1 Coal scuttle .....	.50
Lockers for Officers	50.00

THIRD FLOOR.

2 Carpets	\$ 10.00
4 Stoves	20.00
1 Table	3.00
1 Desk	5.00
9 Iron cots	27.00
9 Mattresses	9.00
10 Pairs blankets	15.00

9 Pillows	5.00
8 Chairs	12.00
1 Cupboard	5.00
36 Sheets	9.00
25 Pillow cases	3.00
10 Towels	1.50
1 Sofa	2.50
1 Locker	10.00

INVENTORY OF MUNICIPAL COURT.

1 Cash book	\$ 15.00
1 Court journal	25.00
1 Docket, court	25.00
1 Index to journal	15.00
1 Seal	7.00
2 Books of numbered receipts	3.00
Ink wells, pens and penholders	1.00
Blanks, including complaints, commitments, subpoenas.....	50.00
Stationery, including writing paper, envelopes, large and small; and legal cap	7.50
Total	\$148.50

Hon. D. M. McLauchlan, Chief of Police:

The following is a complete inventory of property in the Commissioners' office at this date:

1 Safe, containing records, estimated value.....	\$150.00
1 Hat rack	2.50
1 Desk and contents, Clerk to Chief of Police.....	30.00
1 Writing table	15.00
1 Desk, Secretary to Commissioners	25.00
1 Large city map	25.00
1 City Directory	5.00
1 Set blue prints of City of Portland	150.00
1 Stove and pipe	10.00
2 Gas fixtures	5.00
1 Revolving chair	4.00
3 Wood office chairs	1.50
5 Leather cushion chairs	25.00
1 Linoleum on floor	10.00
Records and blanks (not estimated)	
Total	\$458.00

Respectfully submitted,

LOUIS RAU, Secretary.

REPORT OF LICENSE COLLECTOR

To the Chief of Police, Portland, Oregon:

Sir—I submit herewith my report as License Collector of the City of Portland for the year ending December 31, 1898.

Yours respectfully,

SENECA C. BEACH,
License Collector.

ANNUAL REPORT OF LICENSE COLLECTOR FOR YEAR ENDING
DECEMBER 31, 1898.

Occupations.	First Quarter.		Second Quarter.		Third Quarter.	
	No.	Amount.	No.	Amount.	No.	Amount.
Auctioneers	9	\$ 293.25	6	\$ 200.00	5	\$ 160.00
Bill posters	4	83.35	3	75.00	2	50.00
Bowling alleys	12	105.00	8	70.00	5	30.00
Billiards	6	40.00	4	25.00	5	26.65
Coal oil dealers	5	32.00	5	32.00	5	32.00
Drays	26	78.00	29	87.00	31	91.00
Express (single)	133	382.00	132	380.00	146	392.00
Express (double)	61	281.65	65	318.35	76	354.95
Express companies	3	75.00	3	75.00	3	75.00
Employment agents	5	65.00	5	70.00	4	60.00
Grading teams					7	35.00
Hacks and coupes	28	130.35	27	123.00	26	123.30
Hack drivers	30	30.00	1	1.00	2	2.00
House movers	1	13.35	2	40.00	3	53.35
Hawkers (first class)	36	495.00	28	400.00	53	705.00
Hawkers (second class)	11	103.35	8	76.65	11	166.65
Hawkers (first class, gen.)					54	540.00
Hawkers (2d class, gen.)					5	36.50
Insurance agents	78	773.35	78	773.35	79	776.65
Laundries (hand)	49	367.00	46	346.00	46	347.50
Laundries (steam)	7	105.00	7	105.00	7	105.00
Miscellaneous	8	49.15	15	147.80	20	191.15
Oil wagons	10	100.00	8	80.00	7	70.00
Omnibuses	2	10.00	2	10.00	2	10.00
Pedlars (fourth class)	20	75.00	32	115.00	7	42.50
Powder dealers	9	45.00	9	45.00	9	45.00
Pawnbrokers	7	525.00	1	75.00	7	525.00
Plumbers	38	444.00	1	12.00		
Runners (hotel)	19	169.60	16	156.65	17	163.35
Scavengers	57	151.00	52	156.00	52	154.00
Second-hand dealers	42	208.35	40	196.65	46	221.70
Junk dealers	20	86.70	12	55.00	18	86.35
Streetcar lines	4	570.00	4	570.00	4	562.50
Shooting galleries	2	33.35	1	25.00	1	25.00
Trucks	38	186.70	46	230.00	53	251.65
Theaters	2	75.00	2	75.00	1	12.50
Wharfingers	15	370.00	14	365.00	15	390.00
Wood saws (steam)	16	160.00	13	130.00	22	220.00
Saloons	219	21,466.60	234	22,800.00	230	22,700.00
Saloons (Chinese)	3	300.00	3	300.00	4	366.65
Wholesale liquor dealers	11	550.00	11	550.00	11	550.00
Liquor in restaurant	10	241.65	10	224.95	9	225.00
Liquor in grocery stores	11	275.00	11	275.00	11	275.00
Malt liquor dealers	7	283.60	11	550.00	12	566.70
Totals	974	\$29,738.55	1001	\$30,296.35	1133	\$31,770.15

ANNUAL REPORT OF LICENSE COLLECTOR FOR THE YEAR
ENDING DECEMBER 31, 1898—Continued.

Occupations.	Fourth Quarter.		Totals.	
	No.	Amount.	No.	Amount.
Auctioneers	10	\$ 373.30	30	\$ 1,026.55
Bill posters	3	58.35	12	266.70
Bowling alleys	7	53.35	32	258.35
Billiards	5	30.00	20	121.65
Coal oil dealers	6	35.35	21	131.35
Drays	31	92.00	118	348.00
Express (single)	161	443.00	572	1,597.00
Express (double)	87	420.00	289	1,474.95
Express companies	4	100.00	13	325.00
Employment agents	8	95.00	22	290.00
Grading teams			7	35.00
Hacks and coupes	29	132.35	110	509.00
Hack drivers	4	4.00	37	37.00
House movers	1	40.00	7	146.70
Hawkers (first class)	52	730.00	169	2,330.00
Hawkers (second class)	8	80.00	38	366.65
Hawkers (first class, general)			54	540.00
Hawkers (second class, general)	1	10.00	6	46.60
Insurance agents	87	870.00	322	3,119.35
Laundries (hand)	46	352.50	187	1,413.00
Laundries (steam)	7	105.00	28	420.00
Miscellaneous	6	115.00	49	503.10
Oil wagons	8	80.00	33	330.00
Omnibuses	2	10.00	8	40.00
Pedlars (fourth class)	16	95.00	75	327.50
Powder dealers	9	45.00	36	180.00
Pawnbrokers	1	75.00	16	1,200.00
Plumbers			39	456.00
Runners (hotel)	16	153.35	68	642.95
Scavengers	52	156.00	207	617.00
Second-hand dealers	47	225.00	175	851.70
Junk dealers	20	85.00	70	313.05
Streetcar lines	4	562.50	16	2,265.00
Shooting galleries	2	41.65	6	125.00
Trucks	68	340.00	205	1,008.35
Theaters	3	112.50	8	275.00
Wharfingers	14	380.00	58	1,505.00
Wood saws (steam)	24	240.00	75	750.00
Saloons	235	23,266.60	918	90,233.20
Saloons (Chinese)	4	400.00	14	1,366.65
Wholesale liquor dealers	10	500.00	43	2,150.00
Liquor in restaurants	12	291.65	41	983.25
Liquor in grocery stores	13	308.30	46	1,133.30
Malt liquor dealers	7	350.00	37	1,749.70
Totals	1130	\$31,782.75	4238	\$123,587.80

BOARD OF FIRE COMMISSIONERS' REPORT

Office Board of Fire Commissioners,

Portland, Oregon, January 1, 1899.

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

Gentlemen—In compliance with Section 94, Chapter 10, 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 1898, and also an estimate of the amount necessary for the expenses of the Department for the ensuing year, together with such information and recommendations necessary for its efficiency.

ESTIMATE OF EXPENSES FOR 1898.

Salaries	\$68,580.00
Rents of engine houses	1,000.00
Repairs to engine houses	500.00
Apparatus and repairs	1,000.00
Horses	1,000.00
Horse shoeing	1,400.00
Veterinary surgeon	300.00
Feed	4,000.00
Harness and repairs	250.00
Fuel	1,500.00
Lighting	1,200.00
Stores	800.00
Telephones	800.00
Incidentals	250.00
Hose	1,800.00
Water	3,000.00
Hydrants and repairs	4,000.00
Cisterns and repairs	500.00
Office expenses	200.00
Fire alarm telegraph	1,000.00
Total amount of estimates for 1898.....	<u>\$93,080.00</u>

REVENUES FOR 1898.

From tax rolls and all other sources..... \$105,594.49

EXPENDITURES FOR 1898.

Salaries	\$68,985.19
Cost and rent of engine houses	3,579.10
Repairs to engine houses.....	1,530.72
New apparatus	3,677.30
Repairs to apparatus	1,807.72
Cost of horses	983.25
Horse shoeing	1,398.83
Veterinary surgeon	276.00
Feed	6,403.12
Harness and repairs	297.25
Fuel	1,170.50
Lighting	1,061.71
Stores	704.70
Telephones	677.75
Incidentals	781.76
Hose	3,560.00
Water	2,832.00
Hydrants	3,613.87
Cisterns	233.75
Office expenses and printing	208.63
Fire alarm telegraph, material and repairs.....	1,811.34
Total expenditures for 1898	\$105,594.49

ESTIMATE OF EXPENSES FOR THE YEAR 1899.

Salaries	\$65,000.00
Rent of houses	360.00
Repairs to houses	1,500.00
Repairs to apparatus	1,000.00
Horses	1,000.00
Horse shoeing	1,625.00
Veterinary surgeon	276.00
Feed	5,800.00
Harness and repairs	280.00
Fuel	1,600.00
Lighting	1,400.00

Stores	1,200.00
Telephone service	800.00
Incidentals	1,000.00
Hose	4,000.00
Water	2,000.00
Hydrants and repairs	250.00
Cisterns and repairs	250.00
Office expenses and printing	350.00
Fire alarm telegraph expenses and switch board..	6,000.00

Total estimates for 1899 \$95,691.00

SUMMARY FOR THE YEAR 1898.

Total amount of receipts\$105,594.49
Total amount of expenditures 105,594.49

In submitting our report of the operations of the Fire Department for the year ending December 31, 1898, the receipts and expenditures of which are made a part of this report, we wish to state that but six months of said period has been actually under the supervision of the present Board of Commissioners. It was found soon after our induction into office that to come within the amount of available funds for the expenditures of the Department, that a reduction in expenses was absolutely necessary, and to determine in what manner such reduction should be made, we found a serious and perplexing question.

We believed that the taxpayers of the city desired the maintenance of an effective fire system, and we had substantial evidence from among the heaviest property-owners protesting against any reduction of the force; and, as between withdrawing some of the apparatus permanently, or making a reduction in the force of extramens, we adopted the latter, and reluctantly relieved twenty-six extramens from duty.

We have practiced economy in every possible manner, but the day is not far distant when considerable outlay will be necessary in the acquiring of new apparatus, horses, harness and other important expenditures. We are pleased to report that the department as at present organized has continued to maintain its high standard for promptness and efficiency, and in every respect is worthy of the confidence reposed in it.

To the faithful and intelligent efforts of Chief Engineer Campbell and his able assistants the present excellent state of the department is largely due, and we wish here to record our appreciation of their services, and also to commend the faithful services performed by the men of the Department.

We wish to thank his honor the Mayor, and the members of the Common Council, and other city officials, for their co-operation in the

administration of the affairs of the board, and also thank the Police Department for assistance rendered in various ways.

Respectfully submitted,

H. S. ROWE,
RICHARD EVERDING,
WILLIAM FLIEDNER,
Board of Fire Commissioners.

MILTON WEIDLER,
Secretary.

EXPENDITURES ON ACCOUNT OF ALL COMPANIES

For the Year Ending December 31, 1898.

COMPANY.	Salaries.	House and Lot.		Ap'ratus.
		Costs and Repairs.	Repairs, Fixtures, Furniture.	Cost.
Engine Company No. 1.....	\$ 4217.50		\$ 234.97	\$ 105.00
Engine Company No. 3.....	4208.60		97.13	75.00
Engine Company No. 4.....	4212.65		25.51	
Engine Company No. 5.....	4195.10		43.88	75.00
Engine Company No. 7.....	4207.90		148.90	75.00
Engine Company No. 8.....	4216.69	120.00	115.52	76.40
Hook and Ladder Company No. 1..	3480.00		189.46	
Hook and Ladder Company No. 2..	3427.30		128.47	13.00
Hook and Ladder Company No. 3..	3430.00		77.48	
Hook and Ladder Company No. 4..	3434.80	130.00	34.87	
Hose Company No. 1.....	2946.70	500.00	3.83	
Hose Company No. 2.....	2947.32		23.94	
Hose Company No. 3.....	2926.03		67.58	
Hose Company No. 5.....	1080.00	130.00		
Hose Company No. 6.....	2948.00		66.21	9.00
Chemical Engine Company No. 1...	2280.00		76.12	56.00
Chemical Engine Company No. 2...	2278.00		44.25	40.00
Chemical Engine Company No. 3...	2280.00		19.28	
*Chemical Engine Company No. 4..	658.32	2699.10	115.00	63.45
Office, Teams, and Supply Dept....	764.88		18.32	3089.45
Totals	\$60139.79	\$3579.10	\$1530.72	\$3677.30

EXPENDITURES ON ACCOUNT OF ALL COMPANIES

For the Year Ending December 31, 1898—Continued.

Ap'tatus.	Horses.				Harness and Repairs	Fuel.	Lighting.
	Repairs.	Cost, Hire, etc.	Shoeing.	Vet. Surgeon.				Feed.
\$ 79.80	47.53	103.50	14.34	369.25	10.00	219.13	215.23
54.00		72.00	14.28	318.40	7.55	108.57	59.35
93.45	20.28	74.00	14.28	246.65	24.50	91.65	79.87
24.74	20.28	116.50	14.28	302.06	7.60	136.78	39.00
567.79		104.00	14.28	371.21	26.70	98.32	83.95
55.04	7.23	91.03	14.28	352.54	9.40	147.25	24.25
135.25	20.28	74.50	14.28	310.69	11.35	30.50	56.42
11.27	20.28	72.00	14.28	277.56	8.05		52.52
143.05	20.28	50.80	14.28	319.75	11.85	12.25	64.35
139.35	7.24	73.25	14.28	291.79	8.15	19.00	40.70
14.50	33.78	49.25	14.28	168.08	4.35	17.50	99.35
14.15	29.78	61.00	14.28	272.13	9.70	20.15	52.50
38.89		41.00	14.28	159.60	3.05	5.75	24.30
6.00		45.00	14.28	181.57	1.05	20.50	13.98
14.04	28.78	36.50	14.28	266.27	5.75		35.51
49.35	20.28	52.50	14.28	254.52	.85	14.75	70.50
41.55	20.10	48.00	14.28	201.75	5.80	23.35	14.80
39.60	6.63	51.75	14.28	288.33	3.10	12.85	28.13
1.90		14.00	4.60	69.36	6.20		7.00
284.00	680.50	168.25	14.30	1381.61	132.25	192.20	
\$1807.72	\$983.25	\$1398.83	\$276.00	\$6403.12	\$297.25	\$1170.50	\$1061.17

* In service five months.

EXPENDITURES ON ACCOUNT OF ALL COMPANIES

For the Year Ending December 31, 1898—Continued.

COMPANY.	Stores.	Phone.	Incident-als.	Totals.
Engine Company No. 1.....	\$ 16.41	\$ 63.65	\$ 0.50	\$ 5696.81
Engine Company No. 3.....	3.85	31.65		5050.38
Engine Company No. 4.....	7.34	28.15		4918.33
Engine Company No. 5.....	10.05	31.65		5016.92
Engine Company No. 7.....	16.90	31.65		5746.60
Engine Company No. 8.....	15.52	31.65		5276.80
Hook and Ladder Company No. 1..	28.28	31.65		4382.66
Hook and Ladder Company No. 2..	11.74	28.15		4064.62
Hook and Ladder Company No. 3..	10.70	31.65		4186.44
Hook and Ladder Company No. 4..	20.35	31.65		4245.43
Hose Company No. 1.....	6.19	31.65		3889.46
Hose Company No. 2.....	1.50	28.15		3474.60
Hose Company No. 3.....	10.70	31.65		3322.83
Hose Company No. 5.....	3.30	31.65		1527.33
Hose Company No. 6.....	18.33	31.65		3474.32
Chemical Engine Company No. 1...	28.81	31.65		2949.61
Chemical Engine Company No. 2...	19.66	28.15		2779.69
Chemical Engine Company No. 3...	13.41	31.65		2789.01
*Chemical Engine Company No. 4..	24.04	16.65	.50	3680.12
Office, Teams and Supply Dept....	437.62	73.40		7236.78
Totals	\$704.70	\$677.75	\$1.00	\$83708.74

* In service five months.

GENERAL EXPENDITURES, 1898.

Officers' salaries	\$ 6,507.85	
Hose	3,560.00	
Water	2,832.00	
Hydrants	3,613.87	
Cisterns	233.75	
Incidentals	780.76	
Office expenses and printing	208.63	\$ 17,736.86
Fire Alarm Telegraph—		
Salaries	2,337.55	
Material and repairs	1,811.34	4,148.89
Total general expenditures		\$ 21,885.75

SUMMARY OF EXPENDITURES.

Company expenditures	\$83,708.74	
General expenditures	21,885.75	
Total expenditures for 1898		\$105,594.49

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. 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.....	3,500.00
Hose Co. No. 6, house and lot and corporation shed	8,000.00
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	
House and lot, Highland	1,500.00	\$205,750.00

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 (2 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, four chemical engines, one village truck (hand)	\$76,519.00	
Harness, etc.	4,602.50	
Property in corporation shed	500.00	
Property in Commissioners' office.....	300.00	
Property in engine houses, stores, tools, etc.....	5,000.00	
Fifty-eight horses	7,950.00	
Fire alarm apparatus	33,957.01	\$132,478.51
Total value of property in trust.....		\$336,728.51

LOCATION OF HOUSES.

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

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

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

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

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

Engine Company No. 8, 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, west side of Second, between Oak and Pine 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 Thirty-sixth and Belmont streets, Sunnyside.

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

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	\$1,800.00
One assistant chief engineer	1,200.00
Two district engineers	2,400.00
One secretary	1,200.00
One superintendent of fire alarm telegraph.....	1,200.00
One lineman	780.00
One supply driver	780.00
Six engineers of steamers	6,120.00
Six drivers of steamers	4,680.00
Six drivers of hose-tenders to steamers.....	4,320.00
Four foremen hook and ladder companies.....	3,120.00
Four drivers hook and ladder companies.....	3,120.00
Three foremen chemical engine companies.....	2,340.00
Three drivers chemical engine companies.....	2,340.00
Three pipemen chemical engine companies.....	2,160.00
Four foremen hose companies	3,120.00
One call foreman hose company	300.00
Five drivers hose companies	3,900.00
Six call foremen engine companies	1,800.00
Sixty-six extramen	15,840.00
One hundred and twenty-five members.....	\$62,520.00

EXHIBIT OF LOSSES BY FIRE DURING THE YEAR 1898.

INSURANCE INVOLVED AND INSURANCE PAID.

Months.	Loss.		Insured for.		Insurance Paid.	
	Buildings.	Contents.	Buildings.	Contents.	Buildings.	Contents.
January.....	\$ 1,240.00	\$ 3,968.40	\$ 28,750.00	\$ 59,250.00	\$ 1,240.00	\$ 3,968.40
February.....	2,055.00	1,325.00	4,300.00	1,800.00	2,025.00	1,300.00
March.....	1,163.00	813.75	10,600.00	4,500.00	683.00	813.75
April.....	1,900.00	2,057.50	48,900.00	37,300.00	1,620.00	2,057.50
May.....	4,142.60	3,587.00	30,000.00	31,000.00	4,132.60	2,577.00
June.....	4,747.76	2,962.50	30,500.00	13,813.50	3,562.76	2,797.50
July.....	4,417.32	1,915.50	58,900.00	15,400.00	4,182.32	1,850.50
August.....	2,649.00	1,455.00	5,850.00	1,200.00	2,354.00	855.00
September.....	1,481.00	1,055.00	63,700.00	226,000.00	196.00	555.00
October.....	811.50	1,230.00	67,700.00	91,650.00	381.50	605.00
November.....	1,894.60	13,830.33	349,550.00	327,700.00	1,882.10	13,830.33
December.....	2,139.80	11,235.25	56,200.00	87,150.00	1,959.80	9,925.65
Totals.....	\$28,641.58	\$45,435.23	\$754,950.00	\$896,763.00	\$24,219.08	\$41,135.63

Total loss \$ 74,076.81
 Insurance 1,651,713.00
 Insurance paid 65,354.71
 Loss over insurance paid 8,722.10

TABLE OF FIRES AND ALARMS
 For Year Ending December 31, 1897.

Months.	Actual Fires.....	False Alarms.....	Telephones.....	Stills.....	Boxes.....	From all Sources.....	Totals.....
January.....	7	.....	5	2	13	20	256
February.....	5	.....	1	1	8	10	137
March.....	9	.....	3	5	9	19	62
April.....	11	.....	5	6	13	24	57
May.....	8	.....	3	6	7	16	102
June.....	10	.....	2	4	13	19	62
July.....	15	.....	5	7	19	31	57
August.....	6	.....	3	7	15	27	102
September.....	3	.....	3	1	8	12	62
October.....	6	.....	6	5	11	22	57
November.....	13	.....	6	11	7	24	102
December.....	9	.....	11	7	14	32	62
Totals.....	102	4	57	62	137	256	4

TABLE OF FIRES AND ALARMS

For Year Ending December 31, 1898.

Months.	From all Sources.....	Boxes.....	Stills.....	Telephones..	Actual Fires.....	False Alarms.....
January	27	18	3	6	10	1
February	18	8	4	6	7	1
March	24	11	4	9	8	2
April	26	11	2	13	11	1
May	37	22	3	12	19	1
June	26	18	2	6	20	1
July	30	18	1	11	18	2
August	28	16	10	2	12	1
September	33	12	9	12	19	1
October	31	11	10	10	16	3
November	31	15	6	10	9	3
December	44	17	11	16	11	4
Totals	355	177	65	113	160	18

CAUSES OF FIRES AND ALARMS.

Accident, compounding medicine	1
Ash barrel	3
Burning flue	95
Burning grease	2
Burning rubbish	7
Burning moss	3
Burning brush	5
Burning sulphur	1
Burning curtain	1
Boiling tar	2
Children playing with matches	4
Carelessness	2
Cigar stump	5
Candle	1
Defective flue	68
Defective gas fixtures	1
Disconnected stovepipe	2
Defective range	1
Electric wires	17
Fire crackers	6
Grass fire	2
Gasoline lamp exploded	3
Gasoline stove	2
Heating furnace	5
Incendiary	11
Lamp exploded	14
Overheated stove	3
Plumber's candle	1
Sparks from smokestack	11
Sparks from steam wood saw	1
Sparks from chimney	31
Sparks from locomotive	4
Spontaneous combustion	8
Smoke house	1
Unknown	30
Wreck on railroad	1
Total	351

FIRE RECORD 1883 TO 1898, 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
In 1897 total losses amounted to	70,722.51
In 1898 total losses amounted to	74,076.81

CHIEF ENGINEER'S REPORT

Portland, Oregon, December 31, 1898.

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

Gentlemen—I have the honor of submitting herewith my annual report of the Fire Department for the year ending December 31, 1898, being the sixteenth year 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:

One Chief Engineer.

One Assistant Chief Engineer.

Two District Engineers.

One Secretary.

One Superintendent of Fire Alarm Telegraph.

One Fire Alarm Repair Man.

One Supply Driver.

Six Steam Fire Engine Companies, manned by 48 men.

Four Chemical Engine Companies, manned by 10 men.

Four Hook and Ladder Truck Companies, manned by 34 men.

Five Hose Companies, manned by 26 men.

Fifty-six Horses.

Four Reserve Steam Fire Engines.

One Reserve Hook and Ladder Truck, "Hayes," fourth class.

Two two-wheeled Hose Carts.

All being in fair condition.

AUXILIARY (VOLUNTEER) FIRE COMPANIES.

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—One hose reel and 600 feet of hose.

Stephens Addition—One hose reel and 600 feet of hose.

Piedmont—One hose reel and 700 feet of hose.

Fulton Park—One hose reel and 700 feet of hose.

Multnomah—One hose reel and 600 feet of hose.

Woodlawn—One village hook and ladder truck.

Sellwood—One hose reel and 900 feet of hose; one extension hook and ladder truck, with "Babcocks" and otherwise fully equipped.

FIRE HOSE IN SERVICE.

In the Paid Fire Department there is in service the following hose: Rubber, 2,550 feet; cotton, 13,200 feet.

In the "Volunteer" Companies, as above, a total of 4,100 feet of rubber hose, making a grand total of 19,850 feet of hose in actual service.

FIRE ALARMS.

The total number of alarms responded to during the year were 355, being an increase of 99 alarms over the number responded to during 1897. The alarms during 1898 being divided as follows: "Boxes," 177; "stills," 65; "telephone calls," 113. Of the above 18 were false alarms. Over 50 per cent. of actual fires were extinguished by chemicals alone, without the use of water, thus obviating damage by water to buildings and contents.

FIRE HYDRANTS.

New hydrants have been placed at the following locations: One each at

Loring and Randolph streets.
Loring and Clark streets.
River and Albina avenue.
A point 200 feet south of Albina Ferry landing.
Larrabee and DuPont streets.
Fourth and Morrison streets.
Fourth and Hooker streets.
Fifth and Alder streets.
Fifth and Yamhill streets.
Sixth and Morrison streets.
Sixth and Washington streets.
At Kenilworth, two hydrants.

RECOMMENDATIONS.

Under this head I desire to offer the following recommendations for your consideration, trusting they may meet with your approval:

One first-class steam fire engine; one set of Pompier ladders and helts; one or more "Vajen-Bader" smoke protectors; seven "Cooper"

hose jackets; 1,600 feet of cotton fire hose for Engine Company No. 5, and the building of a new hose tower at that house; alter hose carriage No. 5 into a combination hose and chemical carriage, by attaching a chemical cylinder to that piece of apparatus; connect Hose Company No. 5 with the fire alarm system. There should be a few more fire alarm boxes added to our system, and in event of this being done, I would recommend the "Keyless" door boxes. Place two more hydrants at Sellwood.

There is a district in our city where are located several very large and important industries: Standard Oil Company, Wolff & Zwicker iron works, Russell & Co., Pitts Agricultural Company, and others, all occupying large buildings and carrying heavy and valuable stocks. I feel it my duty to call your attention to the fact that the fire risk in this particular section is very great, and in event of fire occurring there, the Fire Department would be of but very little service, owing to the fact that there are no water mains between East Morrison street and Hawthorne avenue, in this locality. The water mains on East Morrison street and Hawthorne avenue are but very small mains, and entirely inadequate to furnish a water supply for any considerable fire.

In closing this report I desire to tender my thanks to his honor, Mayor Mason, and the honorable, the Board of Fire Commissioners, for the active interest they have manifested in all matters pertaining to the success of the Department. I desire also to thank the Secretary of the Fire Department, the Superintendent of Fire Alarm Telegraph, and the other officers and members of the Fire Department for faithful performance of duty, and hearty co-operation in improving the discipline and work of the Department. I also desire to express my thanks to the Chief of Police and the members of his force for the manner in which they have assisted this Department in the discharge of its duties, on all occasions.

Respectfully submitted,

DAVID CAMPBELL,
Chief Engineer, Portland Fire Department.

FIRES AND ALARMS FROM JANUARY 1, 1898, TO DECEMBER
31, 1898.

January 1—12:05 P. M. Box 31.

No. 688 Third street. 2-story frame; owned and occupied by M. Epstein as dwelling; cause of fire, defective flue. Building insured for \$500, contents \$350. Babcock.

January 1—4:45 P. M. Box 246.

No. 12 East Thirty-first street. 1-story frame; owned and occupied by M. Kuhle as dwelling; cause of fire, caught from No. 14. Loss on building, \$400; building insured for \$550; insurance paid on building, \$400. Water.

January 1—4:45 P. M. Box 246.

No. 14 East Thirty-first street. 1-story frame; owned and occupied by F. Huder as dwelling; cause of fire, defective flue. Loss on building, \$350; on contents, \$100; building insured for \$350; contents, \$100; insurance paid on building, \$350; on contents, \$100. Water.

January 2—7:45 P. M. Telephone.

No. 113 Russell street. 3-story brick; owned by Wm. Peacher; occupied by J. Torgler as stores and dwelling; cause of fire, burning flue. Building insured for \$4,000; contents, \$1,500. No loss.

January 2—9:00 P. M. Still.

No. 413 Sixth street. 2-story frame; owned by V. McCullough; occupied by J. Kiter as dwelling; cause of fire, burning flue. Building insured for \$500.

January 3—1:15 P. M. Box 42.

No. 736 Raleigh street. 1½-story frame; owned and occupied by H. B. Stout as dwelling; cause of fire unknown. Loss on building, \$130; on contents, \$65; building insured for \$600; contents, \$200; insurance paid on building, \$130; on contents, \$65. Water.

January 3—11:36 A. M. Box 26.

No. 331 North Eighteenth street. 2-story frame; owned and occupied by J. F. Naugh as dwelling; cause of fire, defective flue. Loss on contents, \$20; contents insured for \$400; insurance paid on contents, \$20. Bahcock.

January 5—6:16 A. M. Box 52.

No. 309 First street. 2-story frame; owned and occupied by M. York as dwelling; cause of fire, burning flue. Building insured for \$500.

January 9—10:40 A. M. Box 242.

No. 676 Oregon street. 1½-story frame; owned by Mrs. Gutzerine; occupied by F. Hewitt as dwelling; cause of fire, defective flue. No loss.

January 9—3:05 P. M. Box 13.

No. 222 Alder street. 2-story frame; owned by Wiegand estate; occupied by Chinese as lodging-house; cause of fire, defective range. No loss.

January 10—11:45 A. M. Still.

Northwest corner Fifteenth and Flanders streets. 2-story frame; owned and occupied by Dr. Dickson as dwelling; cause of fire, burning flue. No loss.

January 10—7:00 P. M. Box 35.

No. 552 Market street. 1-story frame; owned by P. O'Conner; occupied by A. W. Philpot as dwelling; cause of fire, burning flue. Building insured for \$400.

January 15—5:55 P. M. Box 234.

No. 372 Morrison street. 2-story frame; owned by Mrs. R. L. Hawthorne; occupied by H. Baumer as shoes and dry goods store; cause of fire, electric wires. Loss on contents, \$5; building insured for \$2,500; contents, \$5,000; insurance paid on contents, \$5.

January 15—3:20 P. M. Telephone.

No. 294 Washington street. 3-story frame; owned by Lahbe Bros.; occupied by G. Teddman as saloon; cause of fire, gasoline explosion. No loss.

January 17—11:15 A. M. Telephone.

St. Clair and Park avenue. 2-story frame; owned and occupied by H. McCracken as dwelling; cause of fire, burning flue. No loss.

January 17—1:36 P. M. Telephone.

No. 253 Milwaukie street. 1-story frame; owned by E. H. Edwards; occupied by M. Grunestine as dwelling; cause of fire, burning flue. No loss.

January 18—10:00 P. M. Box 52.

No. 253 Sixth street. 2-story frame; owned by Savings & Loan Society; occupied by Mrs. Frelick as dwelling; cause of fire, unknown. Loss on building, \$60; on contents, \$2,500; building insured for \$5,000; contents, \$3,000; insurance paid on building, \$60; on contents, \$2,500. Chemical.

January 21—4:20 A. M. Box 142.

No. 84 North Third street. 2-story frame; owned by Geo. Woodward; occupied by J. Brill as lodging-house; cause of fire, incendiary. Loss on building, \$250; building insured for \$2,000; insurance paid on building, \$250. Chemical.

January 21—6:35 A. M. Box 26.

No. 426 North Nineteenth street. 1-story frame; owned by R. V. Short; occupied by J. Crader as dwelling; cause of fire, burning flue. No loss.

January 22—9:20 P. M. Box 235.

No. 29 East Eighth street. 2-story frame; owned by Dr. Nottage; occupied by C. D. Montague as dwelling; cause of fire, burning flue. Building insured for \$600; contents, \$300. No loss.

January 23—11:30 A. M. Box 26.

No. 350 Savier street. 3-story frame; owned by F. Turk; occupied by Tappendorf as hotel; cause of fire, burning flue. Contents insured for \$600. No loss.

January 23—9:15 P. M. Telephone.

North Third and Glisan streets. 1-story frame; owned by G. C. Pike; occupied by Pike Tent Factory as tent factory; cause of fire, spark from stack. No loss.

January 24—8:30 A. M. Still.

No. 19 Quimby street. 1-story frame; owned by N. Versteeg estate; occupied by D. Dunbar as dwelling; cause of fire, burning flue. No loss.

January 28—3:35 P. M. Box 38.

No. 348 Front street. 2-story frame; owned by Mrs. I. Lewis; occupied by L. Hochfield as dwelling; cause of fire, sparks from flue. Loss on building, \$5; building insured for \$250; contents, \$200; insurance paid on building, \$5. Chemical.

January 29—6:00 P. M. Telephone.

No. 134 Front street. 3-story brick; owned by H. Thompson; vacant; false alarm.

January 29—7:05 P. M. Box 234.

Foot East Oak street. 1-story frame; owned by Page & Son; occupied by Hammond Packing Company as packing house; cause of fire, smoke house. Loss on building, \$45; on contents, \$1,278.40; building insured for \$4,000; contents, \$15,500; insurance paid on building, \$45; on contents, \$1,278.40. Water.

January 31—7:55 A. M. Box 15.

No. 220 Front street. 3-story brick; owned by J. C. Clark; occupied by Feldman & Co. as notion house; cause of fire, carelessness. Building insured for \$7,000; contents, \$3,200. No loss.

February 7—4:00 A. M. Telephone.

No. 126 Second street. 3-story brick; owned and occupied by L. Rummelin as furrier store; cause of fire, smoke from furnace. No loss.

February 7—7:05 P. M. Box 23.

No. 387 Couch street. 2-story frame; owned by J. Hoyt; occupied by T. Killduff as dwelling; cause of fire, burning flue. No loss.

February 8—9:00 A. M. Telephone.

No. 210 Seventh street. 2-story frame; owned by Mrs. Kate Springen; occupied by J. McPhelan as dwelling; cause of fire, burning flue. Building insured for \$500. No loss.

February 9—9:30 P. M. Box 34.

No. 447 Sixth street. 2-story frame; owned by J. Wilson; occupied by Mrs. A. Billings as dwelling; cause of fire, burning flue. Building insured for \$500. No loss.

February 10—4:55 P. M. Still.

No. 268½ Front street. 4-story frame; owned by V. B. DeLashmutt; occupied by S. P. Huffman as lodging-house; cause of fire, defective flue. No loss.

February 15—9:15 P. M. Telephone.

No. 201 Alder street. 2-story frame; owned by J. Golden; occupied by M. Depee as dwelling; cause of fire, burning flue. No loss.

February 15—6:25 P. M. Box 341.

No. 142 Sellwood street. 2-story frame; owned and occupied by J. Glazik as dwelling; cause of fire, unknown. Loss on building, \$25; building insured for \$500; insurance paid on building, \$25.

February 17—9:00 A. M. Telephone.

Williams and Ainsworth avenues. 2-story frame; owned and occupied by B. Lee Paget as dwelling; cause of fire, furnace. Loss on building, \$2,000; on contents, \$1,300; building insured for \$2,000; contents, \$1,300; insurance paid on building, \$2,000; on contents, \$1,300.

February 17—9:35 A. M. Box 327.

Williams and Ainsworth avenues. 2-story frame; owned and occupied by B. Lee Paget as dwelling; cause of fire, furnace. Same fire.

February 21—10:15 A. M. Box 329.

No. 647 Weidler street. 2-story frame; owned by Mrs. Sherman; occupied by T. D. Walker as dwelling; cause of fire, burning flue. Building insured for \$800; contents, \$500. No loss.

February 22—1:40 P. M. Telephone.

No. 389 Morris street. 1-story frame; owned by J. Rankin; occupied by J. B. Baxter as dwelling; cause of fire, burning flue. No loss.

February 22—11:15 P. M. Telephone.

Nineteenth and Couch streets. 3-story frame; owned by Bishop Scott; occupied by D. J. Hill as academy; cause of fire, burning grease. Babcock.

February 23—10:50 P. M. Box 75.

No. 233 Arthur street. 1-story frame; owned by M. Bottler; occupied by Alvin Hall as dwelling; cause of fire, defective flue. No loss.

February 23—10:40 P. M. Still.

Twelfth and Flanders streets. 2-story frame; owned by C. Grager; occupied by H. Schulderman as dwelling; cause of fire, burning flue. No loss.

February 24—12:25 A. M. Box 142.

No. 105 Third street. 1-story frame; owned and occupied by J. C. Pike as tent factory; cause of fire, sparks from stack. Babcock.

February 25—6:30 P. M. Box 312.

No. 209 Railroad avenue. 1-story frame; owned and occupied by M. Greall as dwelling; cause of fire, defective flue. Loss on building, \$5. Babcock.

February 26—5:10 A. M. Still.

No. 292 Sellwood street. 1-story frame; owned by G. Betts; occupied by M. Rosenrack as nursery; cause of fire, overheated stove. Loss on building, \$25; on contents, \$25. Babcock.

February 27—2:15 P. M. Still.

No. 105 Third street. 1-story frame; owned and occupied by J. C. Pike as tent factory; cause of fire, sparks from stack. No loss.

March 1—12:10 P. M. Telephone.

No. 587 Second street. 2-story frame; owned by Bishop Gross; occupied by H. H. McCarty as dwelling; cause of fire, chimney fire. Building insured for \$2,500. No loss.

March 1—6:25 P. M. Telephone.

No. 114 East Twenty-seventh street. 1-story frame; owned by M. Cousins; occupied by M. C. Thompson as dwelling; cause of fire, sparks from chimney. Building insured for \$500; contents, \$200. Water.

March 1—10:10 P. M. Telephone.

No. 374 East Ninth street. 2-story frame; owned and occupied by J. Goldstein as dwelling; cause of fire, sparks from chimney. Loss on building, \$60; building insured for \$1,000; contents, \$600; insurance paid on building, \$60. Babcock.

March 1—10:10 P. M. Telephone.

No. 374 East Ninth street. 2-story frame; owned by J. Goldstein; occupied by J. Rubenstein as dwelling; cause of fire, sparks from chimney. Loss on contents, \$216.75; contents insured for \$200; insurance paid on contents, \$216.75. Babcock.

March 3—5:08 A. M. Still.

No. 248 Couch street. 2-story frame; owned by H. Smith; occupied by King High as cigar store; cause of fire, lamp exploded. Loss on building, \$10; on contents, \$50; contents insured for \$200; insurance paid on contents, \$50. Water.

March 3—3:36 A. M. Telephone.

East Thirty-first and Belmont streets. 2-story frame; owned by Sunnyside Improvement Co.; unoccupied; cause of fire, incendiary. Water.

March 5—4:46 A. M. Box 13.

No. 123 Second street. 3-story brick; owned by Goldsmith; occupied by Lee Chang Co. as grocery store; cause of fire, burning chimney. No loss.

March 5—12:10 P. M. Box 517.

Southwest corner Burnside and Second streets. 3-story brick; owned and occupied by Closset & Devers as spice mills. False alarm.

March 7—3:25 P. M. Telephone.

No. 28 North Fifth street. 2-story frame; owned by G. Wilson; occupied by J. Pickan as dwelling; cause of fire, sparks from chimney. No loss.

March 9—12:40 P. M. Box 64.

No. 614 Pettygrove street. 2-story frame; owned by A. Switzker; occupied by P. Grimm as dwelling; cause of fire, defective flue. No loss.

March 9—8:20 P. M. Telephone.

Northwest corner Davis and Eighteenth streets. 2-story frame; owned and occupied by H. Burrell as dwelling; cause of fire, burning flue. No loss.

March 11—3:50 P. M. Box 142.

Southeast corner Third and Flanders streets. 5-story brick; owned by H. Weinhard; occupied by J. Haas as hotel; cause of fire, burning grease. No loss.

March 12—2:20 A. M. Telephone.

Tenth and Morrison streets. False alarm.

March 12—10:10 A. M. Still.

No. 385 Fourth street. 2-story frame; owned and occupied by Geo. Wey as dwelling; cause of fire, defective flue. Loss on building, \$46; building insured for \$2,000; contents, \$500; insurance paid on building, \$46. Babcock.

March 18—8:20 A. M. Box 74.

No. 651 Hood street. 1-story frame; owned and occupied by P. G. Baker as dwelling; cause of fire, defective flue. Loss on building, \$120; on contents, \$25; building insured for \$1,000; contents, \$1,000; insurance paid on building, \$120; on contents, \$25. Chemical.

March 20—10:35 A. M. Box 242.

No. 615 East Sixteenth street. 2-story frame; owned by J. H. Polhemus; occupied by J. H. Adams as dwelling; cause of fire, burning flue. Building insured for \$600. No loss.

March 20—2:00 A. M. Box 215.

No. 342 East Second street. 1-story frame; owned by C. Delaney; occupied by F. West as dwelling; cause of fire, defective flue. Loss on building, \$20. Water.

March 21—11:35 A. M. Box 214.

No. 340 East Washington street. 2-story frame; owned by Wm. Wallace; occupied by W. Craw as boarding-house; cause of fire, burning moss. No loss.

March 22—1:40 A. M. Box 53.

No. 215 Tenth street. 2-story frame; owned by Mrs. Cady; occupied by W. L. Morgan as dwelling; cause of fire unknown. Loss on building, \$457; on contents, \$90; building insured for \$3,000; contents, \$500; insurance paid on building, \$457; on contents, \$90.

March 22—1:40 A. M. Box 53.

No. 409 Salmon street. 2-story frame; owned and occupied by Mrs. R. Vaughn as dwelling; cause of fire, adjoining fire. Loss on building, \$450; on contents, \$432; contents insured for \$1,500; insurance paid on contents, \$432.

March 23—9:30 P. M. Still.

No. 107 North Fifteenth street. 2-story frame; owned by F. Opitz; occupied by W. H. Milton as dwelling; cause of fire, burning chimney. No loss.

March 25—7:45 P. M. Still.

No. 523 Irving street. 2-story frame; owned by Dr. Nunn; occupied by H. Solomon as dwelling; cause of fire, burning chimney. No loss.

March 27—8:55 P. M. Telephone.

No. 321 Washington street. 2-story frame; owned by Meade estate; occupied by H. Stubbs as hardware store; cause of fire, burning chimney. No loss.

March 30—8:20 A. M. Box 534.

No. 55 Second street. 4-story brick. False alarm.

April 1—3:40 P. M. Box 9.

No. 68 North Ninth street. 2-story frame; owned by C. Murphy; occupied by J. Murphy as dwelling; cause of fire, defective flue.

April 1—5:20 P. M. Box 9.

No. 68 North Ninth street. 2-story frame; owned by C. Murphy; occupied by J. Murphy as dwelling; cause of fire, defective flue. Loss on building, \$50; on contents, \$40; building insured for \$900; contents, \$300; insurance paid on building, \$50; on contents, \$40. Chemical.

April 1—9:00 P. M. Box 142.

No. 35 North Third street. 1-story frame; owned and occupied by Isadore Morris as grocery store; cause of fire, lamp exploded. Loss on building, \$250; on contents, \$700; building insured for \$1,200; contents, \$1,100; insurance paid on building, \$250; on contents, \$700. Chemical.

April 2—1:46 A. M. Telephone.

No. 268 Madison street. 1-story frame; owned by H. Monastes; occupied by P. H. Finley as woodyard; cause of fire, burning chimney.

April 2—3:45 A. M. Box 12.

Nos. 164 and 166 Front street. 4-story brick; owned by Meade estate; occupied by Cleveland Paint Co. as paint and oil store; cause of fire, spontaneous combustion. Building insured for \$12,000; contents, \$17,500.

April 4—11:30 P. M. Box 21.

No. 264 Morrison street. 4-story brick; owned by H. W. Corbett; occupied by Mrs. Nordly as lodging-house; cause of fire, lamp exploded. Loss on building, \$350; on contents, \$235; building insured for \$15,000; contents, \$500; insurance paid on building, \$350; on contents, \$235. Babcock.

April 7—8:40 P. M. Telephone.

Commercial and Stanton streets. 1-story frame; owned by City & Suburban Railway Co.; occupied by oil house as oil house; cause of fire, carelessness.

April 7—9:45 A. M. Telephone.

No. 390 Sellwood street. 1½-story frame; owned and occupied by M. Stewart as dwelling; cause of fire, burning chimney. No loss.

April 9—9:00 P. M. Telephone.

No. 210 Morrison street. 4-story brick; owned by C. E. Smith; occupied by Butterfield Bros. as jewelry store; cause of fire, burning chimney. Building insured for \$3,000; contents, \$3,000.

April 14—10:40 A. M. Telephone.

No. 666 Hoyt street. 2-story frame; owned and occupied by G. Pope as a dwelling; cause of fire, chimney. No loss.

April 15—12:10 A. M. Box 27.

No. 129 Fourteenth street. 2-story frame; owned and occupied by J. Bloch as dwelling; cause of fire, defective flue. Loss on building, \$300; on contents, \$275; building insured for \$1,000; contents, \$1,000; insurance paid on building, \$300; on contents, \$275. Chemical.

April 15—2:35 P. M. Box 215.

No. 239 Grand avenue. 1-story frame; owned by W. B. Allen; occupied by J. Drew as dwelling; cause of fire, defective flue. Building insured for \$600; contents, \$500. Babcock.

April 17—3:20 A. M. Telephone.

No. 261 Third street. 2-story frame; owned by R. Patton; occupied by W. J. Patton as drug store; cause of fire unknown. Loss on building, \$50; on contents, \$416; contents insured for \$700; insurance paid on contents, \$416. Babcock.

April 17—4:10 A. M. Telephone.

No. 738 Irving street. 2-story frame; owned by H. Livingstone; occupied by A. Coburn as dwelling; cause of fire, burning ash barrel. Loss on building, \$20; on contents, \$91.50; contents insured for \$1,000; insurance paid on contents, \$91.50. Babcock.

April 17—12:20 P. M. Telephone.

No. 684 Water street. 2-story frame; owned by D. C. Allen; occupied by G. Rabe as dwelling; cause of fire, burning flue. Building insured for \$1,500.

April 18—11:10 A. M. Still.

No. 803 Second street. 2-story frame; owned by Dr. F. Prehn; occupied by W. W. Darling as dwelling; cause of fire, burning flue. Building insured for \$1,200.

April 19—8:50 A. M. Box 74.

No. 713 Hood street. 3-story frame; owned and occupied by J. Sherwood as dwelling; cause of fire, burning flue. Loss on building, \$300; building insured for \$4,000; contents, \$800; insurance paid on building, \$300; on contents, \$300.

April 19—2:30 P. M. Still.

No. 305½ Third street. 2-story frame; owned by H. W. Corbett; occupied by Woman's Home; cause of fire, sparks from chimney. Loss on building, \$10. Babcock.

April 19—9:45 P. M. Telephone.

Base Line Road. 2-story frame; owned and occupied by J. W. Blain as dwelling; cause of fire, lamp exploded.

April 20—2:33 P. M. Box 235.

Base Line Road. Outside city limits.

April 22—8:30 A. M. Telephone.

No. 514 Rodney avenue. 1-story frame; owned by A. Allenwick; occupied by Mrs. G. Lambert as dwelling; cause of fire, defective flue. Building insured for \$800. No loss.

April 23—5:35 P. M. Telephone.

No. 415 West Park street. 3-story frame; owned and occupied by J. F. Watson as dwelling; cause of fire, defective flue. Loss on building, \$70; building insured for \$10,000; contents, \$2,000; insurance paid on building, \$70. Babcock.

April 27—10:50 P. M. Box 61.

No. 25 North Front street. 2-story frame; owned by F. Bickel; occupied by Oregon Basket Factory as basket factory; cause of fire, electric wire. Loss on building, \$500; on contents, \$300; building insured for \$1,000; contents, \$500; insurance paid on building, \$500; on contents, \$300. Water.

April 28—4:20 A. M. Telephone.

27 North Front street. 1-story frame; owned by F. Bickel; occupied by Oregon Basket Factory as basket factory; cause of fire, smoldering ruins.

April 30—8:20 P. M. Box 312.

No. 95 Russell street. 3-story brick; owned by J. McKay; occupied by Mrs. Dougrey as stores and dwelling; cause of fire, burning chimney. Building insured for \$3,500; contents, \$2,000. No loss.

April 29—3:20 P. M. Telephone.

No. 313 Pine street. 2-story frame; owned and occupied by M. McNamara as store and dwelling; cause of fire, defective flue. Building insured for \$900; contents, \$500. Babcock.

May 1—1:45 A. M. Telephone.

No. 11 East Third street. 1-story frame; owned by D. H. Hendee; occupied by Mrs. Denice as dwelling; cause of fire, sparks from chimney. No loss.

May 2—10:10 A. M. Box 142.

No. 306 Everett street. 3-story brick; owned by C. A. Alisky; occupied by Portland Soap Company as soap works; cause of fire, incendiary. Loss on building, \$307; on contents, \$243; building insured for \$4,000; contents, \$3,000; insurance paid on building, \$307; on contents, \$243.

May 2—10:10 P. M. Box 142.

Northwest corner Fourth and Davis streets. 2-story frame; owned by Captain Brown; occupied by N. W. Transfer Co. as stables; cause of fire, incendiary. Loss on building, \$2,500; on contents, \$1,000; building insured for \$2,500; insurance paid on building, \$2,500. Water.

May 3—8:15 A. M. Box 43.

No. 17 Front street. Elevated roadway; owned and occupied by city as roadway; cause of fire, sparks from engine. No loss.

May 3—5:15 A. M. Telephone.

Linnton road. 2-story frame; owned and occupied by M. Burelbach as crematory; cause of fire, unknown. Outside limits.

May 3—11:45 A. M. Box 48.

No. 132 Tenth street. 2-story frame; owned and occupied by W. O. Allen as dwelling; cause of fire, sparks from chimney. Chemical.

May 3—11:46 A. M. Telephone.

No. 426 Union avenue. 1-story frame; owned by F. Krig; occupied by A. B. Ferree as dwelling; cause of fire, sparks from chimney. No loss.

May 4—1:10 P. M. Box 9.

No. 404 Couch street. 1-story frame; owned by L. G. Pfunder; occupied by L. Collins as dwelling; cause of fire, defective flue.

May 6—11:10 P. M. Telephone.

No. 175 Twelfth street. 2-story frame; owned by D. P. Thompson; occupied by Mary Evans as dwelling; cause of fire, lamp exploded. Loss on contents, \$25; building insured for \$2,500; contents, \$1,000; insurance paid on contents, \$25.

May 8—10:25 A. M. Box 74.

No. 631 Hood street. 3-story frame; owned by J. M. Breck, Jr.; occupied by Mrs. Le Grande as dwelling; fire caused by sparks from chimney. Loss on building, \$5; building insured for \$1,000; insurance paid on building \$5. Babcock.

May 10—7:50 P. M. Telephone.

No. 301 Washington street. 2-story frame; owned by Mead Estate; occupied by H. Marsch as barber shop; fire caused by gasoline explosion. No loss.

May 11—8:10 P. M. Still.

No. 183 Gibbs street. 1-story frame; owned by J. M. Drake; occupied by J. E. Anderson as dwelling; cause of fire, burning chimney. Building insured for \$800. Babcock.

May 12—12:35 P. M. Box 48.

No. 204 Twelfth street. 2-story frame; owned by H. R. Sutton; occupied by P. B. Hayes as dwelling; cause of fire, sparks from chimney. Loss on building, \$112; building insured for \$400; insurance paid on building, \$112. Water.

May 12—1:20 P. M. Telephone.

No. 454 E. Taylor street. 1-story frame; owned by Hawthorne Estate; occupied by J. P. Collins as dwelling; cause of fire, sparks from chimney. Water.

May 12—7:20 P. M. Box 23.

No. 406 Burnside street. 2-story frame; owned by Wolff Estate; occupied by T. Malery as dwelling; cause of fire, defective flue.

May 12—5:15 P. M. Box 52.

No. 270 Madison street. 1-story frame; owned by H. Monnastes; occupied by P. H. Finley as woodshed; fire caused by sparks from wood saw. Loss on building, \$10. Chemical.

May 13—2:15 A. M. Box 215.

No. 401 Hawthorne avenue. 2-story frame; owned by J. S. Foss; occupied by Williamson Bros. as grocery store; cause of fire, defective flue. Loss on contents, \$1,594; contents insured for \$3,000; insurance paid on contents, \$1,594.

May 13—2:15 A. M. Box 215.

No. 401½ Hawthorne avenue. 2-story frame; owned and occupied by J. S. Foss as dwelling; cause of fire, defective flue. Loss on building, \$1,000; on contents, \$600; building insured for \$1,000; contents, \$600; insurance paid on building, \$1,000; on contents, \$600.

May 13—2:15 A. M. Box 215.

No. 403 Hawthorne avenue. 2-story frame; owned by J. S. Foss; occupied by R. Kissling as bakery; cause of fire, defective flue. Loss on contents, \$115; contents insured for \$500; insurance paid on contents, \$115.

May 13—2:20 P. M. Telephone.

No. 472 Alder street. 2-story frame; owned and occupied by W. Scoggins as dwelling; false alarm.

May 13—5:30 P. M. Telephone.

No. 249 E. Second street. 2-story frame; owned by J. A. Wait; occupied by W. T. Stephens as dwelling; cause of fire, burning rubbish. No loss.

May 15—7:55 P. M. Box 135.

False alarm.

May 16—11:40 A. M. Box 73.

No. 1064 Macadam street. 1-story frame; owned by J. D. Cole; occupied by W. E. Turner as dwelling; cause of fire, sparks from chimney. Loss on building, \$5; building insured for \$300; insurance paid on building, \$5.

May 17—12:25 P. M. Still.

No. 999 East Alder street. 1-story frame; owned by P. Smith; occupied by A. Olsen as dwelling; cause of fire, defective flue. Building insured for \$500. Babcock.

May 17—7:05 P. M. Telephone.

No. 226 Pine street. 1-story frame; owned by L. Fleischner; occupied by L. Kiss as shoe store; cause of fire, sparks from stove. Chemical.

May 19—1:30 A. M. Still.

No. 273½ Everett street. 2-story frame; owned by C. Cardinell; occupied by J. Nero as saloon; cause of fire, burning chimney. No loss.

May 22—1:10 P. M. Box 72.

Front and Hamilton avenue. 1-story frame; owned by J. H. Hammond; occupied by W. Lawlor as dwelling; cause of fire, sparks from chimney.

May 24—5:15 P. M. Box 216.

No. 528 East Lincoln street. 1-story frame; owned by J. Rosenthal; occupied by J. Mayer as dwelling; cause of fire, moss on roof. Loss on building, \$153.60; on contents, \$10; building insured for \$400; insurance paid on building, \$153.60. Water.

May 25—8:05 A. M. Box 234.

Nos. 162-4 Union avenue. 2½-story frame; owned by B. Selling; occupied by Young & McBride as laundry and dwelling; cause of fire, sparks from chimney. Loss on building, \$2.50; building insured for \$2,500; contents, \$450; insurance paid on building \$2.50. Water.

May 25—10:00 A. M. Box 234.

Nos. 162-4 Union avenue. 2½-story frame; owned by B. Selling; occupied by Young & McBride as laundry and dwelling; cause of fire, sparks from chimney. Loss on building, \$2.50; building insured for \$2,500; contents, \$450; insurance paid on building, \$2.50. Babcock.

May 25—10:00 A. M. Box 38.

No. 210 Clay street. 2-story frame; owned by L. Higgins; occupied by J. Dougherty as dwelling; cause of fire, sparks from chimney. Building insured for \$800.

May 25—11:50 A. M. Box 43.

No. 17 Front street. 1-story frame; owned and occupied by Weston Mill Co. as dry house; cause of fire, sparks from stack. Water.

May 25—11:55 A. M. Box 12.

No. 162 Front street. 4-story brick; owned by Mead Estate; occupied by Cleveland Oil & Paint Co. as paints and oils; cause of fire, defective flue. Loss on building, \$15; building insured for \$10,000; contents, \$22,000; insurance paid on building, \$15. Chemical.

May 25—9:30 A. M. Telephone.

East Forty-fourth street. 2-story frame; owned and occupied by M. Plapsen as dwelling; cause of fire, defective flue. Loss on building, \$30; building insured for \$800; insurance paid on building, \$30. Babcock.

May 25—3:05 P. M. Box 28.

Northeast corner Twelfth and Davis. 2-story frame; owned and occupied by H. Wittenberg as cracker factory; cause of fire, sparks from stack. No loss.

June 4—3:30 P. M. Telephone.

No. 414 East Pine street. 1-story frame; owned by W. K. Mead; occupied by H. Dyer as dwelling; cause of fire, moss on roof. Loss on building, \$10; building insured for \$500; insurance paid on building, \$10. Water.

June 5—3:55 P. M. Box 26.

No. 512½ Savier street. 2-story frame; owned by J. D. Mount; occupied by A. A. Chrisuite as lodging house; cause of fire, lamp exploded. Loss on building, \$20; on contents, \$10. Babcock.

June 6—9:10 A. M. Telephone.

No. 294 Tenth street. 2-story frame; owned by E. Robinson; occupied by W. Wadhams as dwelling; cause of fire, sparks from chimney. Loss on building, \$5; contents insured for \$13.50. Babcock.

June 7—5:20 P. M. Box 142.

No. 28 North Third street. 2-story frame; owned by J. E. Hoffman; occupied by Nelson Johnson as saloon; cause of fire, defective flue.

June 9—5:15 A. M. No. 123.

Nos. 213-15 Front street. 2-story brick; owned and occupied by Wallace Corcoran as implement store; cause of fire unknown. Loss on contents, \$150.

June 8—2:15 P. M. Box 15.

No. 22 North Front street. 2-story brick; owned by D. P. Thompson; occupied by L. Feldman as notion store. False alarm.

June 13—9:37 P. M. Box 312.

No. 548 Goldsmith street. 1-story frame; owned by G. Nickerson; unoccupied; cause of fire, incendiary. Loss on building, \$10. Water.

June 14—1:45 A. M. Box 54.

No. 15 North Fifth street. 2-story frame; owned by F. Phillips; occupied by W. H. Fox as saloon; cause of fire, spontaneous combustion. Loss on building, \$102.50; on contents, \$100; building insured for \$500; contents, \$2,000; insurance paid on building, \$102.50; on contents, \$100. Chemical.

June 15—2:45 A. M. Box 264.

Nos. 1-3 East Third street. 2-story frame; owned by Angus Campbell; occupied by A. M. Iron Works as iron works; cause of fire, unknown. Loss on building, \$1,000; contents insured for \$3,500. Water.

June 16—7 A. M. Box 37.

No. 575 Third street. 2-story frame; owned by Dr. E. Poppleton; occupied by Judge Cleland as dwelling; cause of fire, sparks from chimney. Loss on building, \$10; building insured for \$3,000; contents, \$2,000; insurance paid on building, \$10.

June 17—9:30 P. M. Telephone.

No. 544 Rodney avenue. 1-story frame; owned by J. Ellis; occupied by R. R. Gill as dwelling; cause of fire, lamp exploded. Loss on contents, \$5; building insured for \$500. Babcock.

June 18—6:30 A. M. Telephone.

No. 627 East Morrison street. 2-story frame; owned and occupied by T. W. Russell as dwelling; cause of fire, electric wire. Loss on contents, \$2.50; building insured for \$1,500; contents, \$800; insurance paid on contents, \$2.50. Water.

June 21—10:30 A. M. Still.

No. 341 Williams avenue. 2-story frame; owned and occupied by H. Wiggins as dwelling; cause of fire, burning flue. No loss.

June 23—1:25 A. M. Box 321.

No. 728 Mississippi avenue. 1-story frame; owned by Miss Jameson; occupied by F. Steel as dwelling; cause of fire, lamp exploded. Loss on building, \$27.47; building insured for \$400; insurance paid on building, \$27.47. Water.

June 23—1:25 A. M. Box 321.

No. 732 Mississippi avenue. 1-story frame; owned by Miss Jameson; occupied by C. Hill as dwelling; cause of fire, lamp exploded. Loss on building, \$400; on contents, \$300; building insured for \$400; contents, \$300; insurance paid on building, \$400; on contents, \$300. Water.

June 23—1:25 A. M. Box 321.

No. 734 Mississippi avenue. 1-story frame; owned by F. W. Shaver; occupied by J. Wilkins as dwelling; cause of fire, lamp exploded. Loss on building, \$31.23; building insured for \$500; insurance paid on building, \$31.23. Water.

June 23—10:55 P. M. Box 325.

No. 559 Cleveland avenue. 1-story frame; owned and occupied by W. G. Clark as dwelling; cause of fire, stove pipe. Loss on building, \$184; on contents, \$125; building insured for \$300; contents, \$200; insurance paid on building, \$184; on contents, \$125. Chemical.

June 24—5:40 P. M. Telephone.

Caruthers and Grand avenue. 1-story frame; owned and occupied by Inman & Poulsen as saw mill; cause of fire, spontaneous combustion. Water.

June 24—6:30 P. M. Box 64.

No. 134 Nineteenth street. 2-story frame; owned by J. O'Shea; occupied by S. McCartney as dwelling; cause of fire, sparks from chimney. Water.

June 24—11:05 P. M. Box 217.

No. 140 East Twelfth street. 2½-story frame; owned by St. David's Rectory; occupied by Rev. G. B. Van Waters as dwelling; cause of fire, burning flue. Building insured for \$3,000; contents, \$1,500. Water.

June 25—1:45 P. M. Box 26.

No. 382 Nineteenth street. 1-story frame; owned by M. Harris; occupied by A. Oplaser as dwelling; cause of fire, sparks from chimney. Babcock.

June 27—3 A. M. Telephone.

No. 275 North Twenty-second street. 2-story frame; owned by L. McKenzie; occupied by H. C. Miller as dwelling; cause of fire, defective flue. Loss on building, \$25; on contents, \$50; building insured for \$800; contents, \$400; insurance paid on building, \$25; on contents, \$50. Babcock.

June 27—7:55 A. M. Still.

No. 647½ First street. 3-story brick; owned and occupied by Terwilliger & Mayer as lodging house; cause of fire, defective flue. Loss on building, \$5; building insured for \$15,000; insurance paid on building, \$5.

June 27—3, P. M. Box 26.

No. 566 Savier street. 1-story frame; owned by Gerdes Estate; occupied by J. L. Cedarstrom as jeweler; cause of fire, children with matches. Loss on building, \$150; building insured for \$600; insurance paid on building, \$150. Water.

June 27—3 P. M. Box 26.

No. 568 Savier street. 1-story frame; owned by P. Schulderman; occupied by Theo Bergman as shoe store; cause of fire, children with matches. Loss on building, \$150; on contents, \$10; contents insured for \$100; insurance paid on contents, \$10. Water.

June 28—10:10 A. M. Box 126.

Nos. 313-15 First street. 2-story frame; owned by Thos. Connell; occupied by Mrs. Carson as lodging house; cause of fire, accidental compounding. Loss on contents, \$820; building insured for \$1,500; contents, \$1,500; insurance paid on contents, \$820.

June 28—10:10 A. M. Box 126.

Nos. 313-15 First street. 2-story frame; owned by Thos. Connell; occupied by Dr. Measman as drug store; cause of fire, accidental compounding. Loss on contents, \$1,250; contents insured for \$1,250; insurance paid on contents, \$1,250.

June 28—10:10 A. M. Box 126.

Nos. 313-15 First street. 2-story frame; owned by Thos. Connell; occupied by F. Abendroth as jewelry store; cause of fire, accidental compounding. Loss on building, \$2,676.26; on contents, \$140; building insured for \$3,500; contents, \$250; insurance paid on building, \$2,676.26; on contents, \$140. Water.

July 2—6:50 P. M. Box 234.

No. 100 East Sixth street. 1-story frame; owned and occupied by Mrs. Rider as dwelling; cause of fire, fire crackers. No loss.

July 2—12:15 P. M. Box 317.

Quincy street. Cause of fire, burning brush. No loss.

July 3—8:12 P. M. Box 234.

No. 474 East Alder street. 3-story frame; owned and occupied by W. R. O'Neil as vinegar factory; cause of fire, unknown. Loss on building, \$10; building insured for \$3,200; contents, \$6,800; insurance paid on building, \$10.

July 4—3 P. M. Box 345.

No. 654 Commercial street. 1-story frame; occupied by J. Brown as dwelling; cause of fire, fire crackers. Loss on building, \$10; contents insured for \$300.

July 4—3:40 P. M. Telephone.

No. 346 East Third street. 1-story frame; owned by John Rodgers; occupied by C. Elliott as dwelling; cause of fire, fire crackers. Loss on building, \$22; building insured for \$500; insurance paid on building, \$22. Babcock.

July 4—4:05 P. M. Box 36.

No. 414 Tenth street. 2-story frame; owned by S. E. Watkins; occupied by Mrs. Mackie as dwelling; cause of fire, defective flue. Loss on building, \$178.80; on contents, \$50; building insured for \$800; contents, \$700; insurance paid on building, \$178.80; on contents, \$50. Chemical.

July 4—9:45 P. M. Box 73.

110 Pennoyer street. 1-story frame; owned by Ladd & Tilton; occupied by J. Goldstein as dwelling; cause of fire, unknown. Loss on building, \$75; on contents, \$315; contents insured for \$350; insurance paid on contents, \$315. Water.

July 4—9:55 P. M. Box 124.

No. 547 Front street. 1½-story frame; owned by Portland Trust Co.; occupied by E. Courtman as dwelling; cause of fire, unknown. Loss on building, \$100; on contents, \$485.50; contents insured for \$600; insurance paid on contents, \$485.50. Water.

July 4—12:25 P. M. Box 45.

No. 313 Flanders street. 2-story frame; owned by Breyman & Summerville; occupied by — Jackson as dwelling; cause of fire, defective flue. Loss on building, \$6; building insured for \$600; insurance paid on building, \$6. Water.

July 6—6:35 P. M. Box 13.

No. 242 Washington street. 6-story brick; owned by Portland Savings Bank; occupied as office building; cause of fire, sparks from chimney. Loss on building, \$15; building insured for \$100,000; insurance paid on building, \$15. Chemical.

July 6—9:05 A. M. Still.

No. 230 Madison street. 1½-story frame; owned by J. S. Keller; occupied by Mrs. Allen as dwelling; cause of fire, lamp exploded. No loss.

July 7—11:50 A. M. Telephone.

Larrabee street. Bridge; cause of fire, cigar stump. No loss.

July 9—10:20 A. M. Box 37.

No. 246 Sherman street. 1-story frame; owned by F. Whitson; occupied by C. Burnsey as dwelling; cause of fire, sparks from chimney. Loss on building, \$25. Chemical.

July 9—3:15 P. M. Box 31.

No. 227 Porter street. 1½-story frame; owned by H. Algiers; occupied by M. Oviatt as dwelling; cause of fire, sparks from chimney. Loss on building, \$2,500; building insured for \$2,500; insurance paid on building, \$2,500. Water.

July 15—9:55 P. M. Telephone.

Foot of East Stark street. Scow dwelling; owned by Duke Evans; occupied by A. Schilling as dwelling; cause of fire, stove pipe. No loss.

July 16—3:30 A. M. Box 12.

No. 211 Alder street. 3-story brick; owned by German S. & L. Society; occupied by I. G. Robinson as poultry and supply company; cause of fire, electric wires. Loss on building, \$718; on contents, \$315; building insured for \$30,000; contents, \$250; insurance paid on building, \$718; on contents, \$250. Chemical.

July 17—9:05 A. M. Box 35.

No. 310 Chapman street. 1-story frame; owned and occupied by C. Runke as dwelling; cause of fire, burning sulphur. No loss.

July 20—8:55 P. M. Telephone.

No. 398 Eugene street. 1-story frame; owned by — Sinsheimer; occupied by J. Rometsch as dwelling; cause of fire, spontaneous combustion. Loss on building, \$7; on contents, \$250; building insured for \$1,600; contents, \$800; insurance paid on building, \$7; on contents, \$250. Babcock.

July 20—9:40 P. M. Telephone.

No. 249½ Alder street. 3-story frame; owned by Wiegand Estate; occupied by Chinese as Chinese lodging; cause of fire, defective flue. Building insured for \$1,200. No loss.

July 21—2:30 A. M. Telephone.

No. 104 Fourth street. 1½-story frame; owned and occupied by Joe Holladay as dwelling; cause of fire, defective flue. Loss on building, \$2.50; building insured for \$1,000; insurance paid on building, \$2.50. Babcock.

July 21—12:10 P. M. Box 17.

No. 306 Couch street. 1-story frame; owned by Mrs. Gansnyder; occupied by Mrs. J. Oliver as dwelling; cause of fire, defective flue. Loss on building, \$15. Chemical.

July 21—1:10 P. M. Telephone.

No. 306 Couch street. Same fire. Chemical.

July 21—2:45 P. M. Box 142.

No. 46 North Third street. 1-story frame; owned by L. Therkelsen; occupied by R. Shields as barber shop; cause of fire, cigar stump. Contents insured for \$200. No loss.

July 23—10:45 A. M. Telephone.

No. 308 Columbia street. 1½-story frame; owned by S. Mooney; occupied by G. Booth as dwelling; cause of fire, sparks from chimney. Loss on building, \$25; building insured for \$300; insurance paid on building, \$25. Chemical.

July 23—9:15 A. M. Telephone.

Hunter's Station. 1½-story frame; owned and occupied by W. E. Potter as dwelling; cause of fire, defective flue. Loss on building, \$698.02; on contents, \$500; building insured for \$2,000; contents, \$1,000; insurance paid on building, \$698.02; on contents, \$500. Chemical.

July 24—1:50 P. M. Telephone.

Ainsworth Dock. False alarm.

July 24—2:20 P. M. Box 536.

McCracken Warehouse. False alarm.

July 27—3:20 P. M. Telephone.

Front and Quimby. Saw dust. Sparks from locomotive. No loss.

July 28—11:10 A. M. Box 26.

No. 396 Sixteenth street. 2-story frame; owned by W. S. M. L. & M. Co.; occupied by Jacob Crowden as dwelling; cause of fire, defective flue. Loss on building, \$10; building insured for \$600. Babcock.

July 29—10:45 A. M. Box 261.

Standard Box Factory. 1½-story frame; owned and occupied by Standard Box Co. as box factory; cause of fire, sparks from chimney. Building insured for \$5,000; contents, \$4,000. No loss.

August 3—11:45 A. M. Box 48.

Southeast corner Thirteenth and Kearney streets. Old ruins; cause of fire, spontaneous combustion. No loss.

August 3—6:35 P. M. Box 21.

Nos. 288-90 Morrison street. 3-story frame; owned by H. W. Corbett; occupied by Mrs. Anderson as lodging-house; cause of fire, sparks from chimney. Loss on building, \$250. Babcock.

August 3—10:25 P. M. Box 135.

No. 336 Washington street. 2-story frame; cause of fire, burning flue. No loss.

August 5—5:15 P. M. Telephone.

Nineteenth and Front streets. Tar barrel; cause of fire, unknown. No loss.

August 5—9:30 P. M. Still.

No. 228 Everett street. Sidewalk; cause of fire, cigar stump. No loss.

August 8—10:45 P. M. Box 16.

No. 226 Flanders street. 2-story frame; owned by B. F. Harrington; unoccupied; cause of fire, unknown. Water.

August 8—4:20 P. M. Telephone.

Eugene street. Grass; burning rubbish. No loss.

August 11—11:45 A. M. Box 31.

No. 253 Mead street. 1-story frame; owned by Mrs. Epstein; unoccupied; cause of fire, unknown. Loss on building, \$12; building insured for \$300; insurance paid on building, \$12. Babcock.

August 14—9:05 P. M. Box 9.

No. 68 North Ninth street. 2-story frame; owned by C. Murphy, occupied by I. Bromberg as dwelling; cause of fire, candle. No loss.

August 14—11:45 P. M. Box 28.

Twelfth and Davis streets. Waste paper box; cause of fire, cigar stump. No loss.

August 13—4:30 P. M. Still.

Twelfth, between Stark and Oak. Dump; cause of fire, unknown. No loss.

August 14—10:40 A. M. Still.

First and Morrison streets. Roadway; cause of fire, cigar stump. No loss.

August 15—9 A. M. Still.

Kenilworth. 1-story frame; owned and occupied by John Erne as dwelling; cause of fire unknown. Loss on building, \$600; on contents, \$350; building insured for \$600; contents, \$350; insurance paid on building, \$600; on contents, \$350. No water obtainable.

August 15—9:40 A. M. Box 253.

Kenilworth. 1-story frame; owned and occupied by John Erne as dwelling; cause of fire, unknown. No water obtainable.

August 15—3:08 P. M. Box 342.

No. 597 Rodney avenue. 1-story frame; owned and occupied by W. B. Dalton as dwelling; cause of fire, unknown. Loss on building, \$210; on contents, \$60; building insured for \$350; contents, \$150; insurance paid on building, \$210; on contents, \$60.

August 15—10:55 P. M. Box 68.

No. 391 Twenty-fifth street. 1-story frame; owned by — Mordorf; occupied by G. W. Rufener as dwelling; cause of fire, unknown. Loss on building, \$250; on contents, \$800; building insured for \$250; contents, \$400; insurance paid on building, \$250; on contents, \$400. Water.

August 15—10:55 P. M. Box 68.

No. 393 Twenty-fifth street. 1-story frame; owned by — Mordorf; unoccupied; cause of fire, unknown. Loss on building, \$150; building insured for \$150; insurance paid on building, \$150. Water.

August 16—1:05 A. M. Box 74.

No. 170 Baker street. 2-story frame; owned by B. Goldsmith; occupied by Mrs. Sellbinder as dwelling; cause of fire, incendiary. Loss on building, \$1,042; on contents, \$200; building insured for \$1,200; insurance paid on building, \$1,042. Water.

August 16—3 P. M. Still.

Twenty-second and Multnomah. Burning brush; occupied as park; cause of fire, tramps. No loss.

August 16—7:55 P. M. Box 38.

Nos. 230-2 Front street. 3-story frame; owned by L. Love; occupied by Mrs. Mercer as hotel; cause of fire, sparks from chimney. Loss on building, \$20. Babcock.

August 17—7:55 A. M. Box 37.

Fifth and Sheridan streets. Rubbish; cause of fire, burning rubbish. No loss.

August 24—1:05 P. M. Still.

No. 93½ Fourth street. 2-story frame. False alarm. No loss.

August 24—9:50 P. M. Still.

Fourteenth and Front streets. Sawdust; fire caused by sparks from locomotive. No loss.

August 28—3:30 P. M. Still.

No. 89 Second street. 2-story brick. False alarm. No loss.

August 29—8:55 A. M. Still.

First and Madison streets. Burning tar pot. No loss.

August 30—3:10 P. M. Still.

No. 501 East Lincoln street. 1-story frame; owned and occupied by Erick Sparf as dwelling; cause of fire, defective flue. Loss on building, \$25.

August 30—3:15 P. M. Box 216.

No. 501 East Lincoln street. 1-story frame; owned and occupied by Erick Sparf as dwelling; cause of fire, defective flue.

August 30—8:15 P. M. Box 8.

No. 435 Yamhill street. 2-story frame; owned by Mrs. C. Beck; occupied by R. C. Smith as dwelling; cause of fire, defective flue. Loss on building, \$90; on contents, \$45; building insured for \$3,000; contents, \$300; insurance paid on building, \$90; on contents, \$45. Chemical.

September 1—12:30 P. M. Box 25.

Northwest Seventeenth and Northrup. Rubbish; cause of fire, unknown. No loss.

September 2—2:15 P. M. Box 341.

Starr and Page streets. Dump pile; cause of fire, unknown. No loss.

September 2—6:10 P. M. Still.

No. 190 Third street. 1-story brick; owned by C. H. Kroll; occupied by H. Simpson as paint shop; cause of fire, electric wires. No loss.

September 3—12:40 A. M. Still.

No. 210 Third street. 4-story brick; owned and occupied by Marks & Jorgensen as liquor store; cause of fire, electric wires. Loss on building, \$56; on contents, \$54; building insured for \$26,000; contents, \$12,000; insurance paid on building, \$56; on contents, \$54. Babcock.

September 3—2:30 P. M. Box 52.

No. 265 Jefferson street. 2-story frame; owned and occupied by Mrs. West as dwelling; cause of fire, burning flue. No loss.

September 4—1:50 A. M. Box 92.

Front and Quimby streets. Scow dwelling; owned and occupied by J. Hanna as dwelling; cause of fire, incendiary. Loss on building, \$75; on contents, \$350. Water.

September 5—1:05 A. M. Still.

No. 265 Thirteenth street. 3-story frame; owned by P. Smith; occupied by Mrs. Percy as boarding-house; cause of fire, burning flue. No loss.

September 5—2:20 P. M. Still.

Foot of Market street. Dump pile. No loss.

September 5—12 M. Box 237.

Larrabee and Holladay avenue. 2½-story frame; owned by P. Schulderman; occupied by lodgers; cause of fire, sparks from chimney. Loss on building, \$7; building insured for \$1,200; insurance paid on building, \$7. Babcock.

September 5—9:30 A. M. Telephone.

Twenty-fifth and Nicolai streets. Dump pile; owned by city; cause of fire, spontaneous combustion. Water.

September 5—12:20 P. M. Telephone.

No. 185½ Morrison street. 2-story frame; owned by Meier & Frank; occupied by N. W. Pacific Farmer as printing office; cause of fire, sparks from chimney. No loss.

September 5—5:30 P. M. Telephone.

Front and Quimby streets. Sawdust; cause of fire, sparks from locomotive. No loss.

September 5—9 P. M. Still.

Twenty-fifth and Nicolai streets. Dump pile; owned by city; cause of fire, spontaneous combustion. Water.

September 6—10:30 A. M. Telephone.

Eighth and Oregon streets. Grass; cause of fire, grass fire. Water.

September 6—1 P. M. Box 7.

Eleventh and Jefferson streets. Grass; cause of fire, grass fire. No loss.

September 6—1:25 P. M. Box 26.

Fourteenth and Raleigh streets. Bridge; owned by city; cause of fire, children's bonfire. Loss, \$1,200. Water.

September 6—5:10 P. M. Box 13.

No. 274 Washington street. 5-story brick; owned by Fliedner & Holman; occupied by H. B. Litt as ladies' apparel; cause of fire, gasoline stove explosion. Loss on contents, \$86; building insured for \$20,000; contents, \$1,000; insurance paid on contents, \$86. No work.

September 6—7:30 P. M. Still.

Twenty-third and Hassalo streets. Brush; cause of fire, brush fire. No loss.

September 7—2:30 P. M. Telephone.

No. 141 Third street. 2-story brick; owned by Mrs. F. Dekum; occupied by Esburg-Gunst Co. as cigar store; cause of fire, electric wires. Loss on building, \$15; building insured for \$5,000; contents, \$50,000; insurance paid on building, \$15. No work.

September 7—3:30 P. M. Still.

Piedmont. Brush; cause of fire, brush fire. No loss.

September 13—8:50 P. M. Box 124.

Water and Grant streets. Bonfire. No loss.

September 14—4:25 P. M. Telephone.

Second and East Couch streets. Rubbish; cause of fire, unknown. Water.

September 16—3:50 P. M. Telephone.

Tenth street. False alarm.

September 16—9:30 P. M. Telephone.

East Water, between Washington and Morrison, 1½-story frame; owned by J. Paquet; occupied by A. Campbell as iron works; cause of fire, sparks from furnace. Loss on contents, \$2,500.

September 16—2:45 P. M. Still.

Cloverdale. Shed and fence; owned and occupied by Mr. Lent as pig pen; cause of fire, children and matches. Loss on building, \$10. Chemical.

September 17—8:35 P. M. Box 51.

Nos. 213-15 First street. 4-story brick; owned by Mrs. Ross; occupied by Shanahan Bros. as dry goods store; cause of fire, electric wires. Loss on contents, \$300; building insured for \$10,000; contents, \$30,000; insurance paid on building, \$300. No work.

September 26—10:50 A. M. Telephone.

Twenty-third street and Hawthorne avenue. 1-story frame; owned by J. Jordan; occupied by V. Lundberg as dry house; cause of fire, sparks from furnace. Loss on contents, \$150. Babcock.

September 26—11 A. M. Box 245.

Twenty-third street and Hawthorne avenue. 1-story frame; owned by J. Jordan; occupied by V. Lundberg as dry house; cause of fire, sparks from furnace.

September 27—10:10 A. M. Telephone.

No. 209 Oak street. 3-story brick; owned by E. Robertson; occupied by Neustadter Bros. as dry goods store; cause of fire, plumber's candle. Loss on contents, \$15; contents insured for \$130,000; insurance paid on building, \$15. No work.

September 27—9:40 P. M. Still.

Twenty-first and Upshur streets. Brush; cause of fire, brush fire. No work.

September 29—3:40 A. M. Telephone.

No. 431 Salmon street. Wood shed; owned by H. C. Leonard; occupied by H. Paddock as wood shed; cause of fire, ash barrel. Babcock.

September 30—7:45 A. M. Box 234.

Grand avenue and East Morrison street. Transformer; owned by Portland General Electric Co.; cause of fire, electricity. No work.

September 30—9:30 A. M. Telephone.

No. 128 Twenty-second street. 2-story frame; owned by Miss C. Rodney; occupied by E. H. Hamlin as dwelling; cause of fire, defective flue. Loss on building, \$118; on contents, \$100; building insured for \$1,500; contents, \$500; insurance paid on building, \$118; on contents, \$100. Babcock.

October 1—9:45 P. M. Still.

No. 41 North Eighteenth street. 3-story frame; owned and occupied by Geo. H. Williams as dwelling; cause of fire, defective flue. Building insured for \$15,000; contents, \$5,000. No work.

October 2—5 P. M. Box 13.

No. 49 Third street. 1-story brick; owned by R. R. Thompson; occupied by D. Lampman as museum; cause of fire, electric wires. Loss on building, \$273; on contents, \$400; building insured for \$1,800; insurance paid on building, \$273. Chemical.

October 3—3:20 P. M. Still.

No. 3½ North Third street. 2-story frame; owned by O'Shea Bros.; occupied by S. R. Owen as lodging-house; cause of fire, burning flue. Loss on building, \$18; building insured for \$6,000; contents, \$250; insurance paid on building, \$18. No work.

October 5—5:53 P. M. Box 312.

Randolph and Railroad streets. 2-story frame; owned by B. Goldsmith; unoccupied; cause of fire, unknown. Building insured for \$1,600. Babcock.

October 7—8:55 A. M. Telephone.

No. 288 College street. 1½-story frame; owned and occupied by J. L. George as dwelling; cause of fire, sparks. Loss on building, \$24; building insured for \$1,000; contents, \$500; insurance paid on building, \$24. Chemical.

October 7—10:30 A. M. Box 214.

Water street and Hawthorne avenue. 2-story frame; owned and occupied by Wolff & Zwicker as machine shops; cause of fire, boiling tar. Building insured for \$16,000; contents, \$64,000. No loss.

October 8—1:15 P. M. Still.

No. 503 Everett street. 1½-story frame; owned by Mrs. R. Richardson; occupied by R. Abramson as dwelling; cause of fire, defective flue. Loss on building, \$2.50; building insured for \$700; contents, \$1,200; insurance paid on building, \$2.50. No work.

October 10—12:05 P. M. Telephone.

No. 235 Ford street. 2-story frame; owned and occupied by Wm. Macmasters as dwelling; cause of fire, burning flue. Building insured for \$6,000; contents, \$3,000. No work.

October 11—3:30 A. M. Box 135.

Seventh and Alder streets. Telephone pole; owned by Col. Telephone Co.; cause of fire, electric wire. Chemical.

October 11—6:45 A. M. Telephone.

Seventh and Washington streets. False alarm. No work.

October 11—6:50 A. M. Telephone.

No. 224½ Washington street. 3-story brick; owned by L. Ackerman; occupied by G. F. Rush as tailor shop; cause of fire, gasoline stove. Loss on building, \$25; building insured for \$4,500; insurance paid on building, \$25. No work.

October 12—8:20 A. M. Box 235.

Grand avenue bridge. Wreck on railroad. No work.

October 13—7:35 P. M. Box 8.

No. 175 Twelfth street. 2½-story frame; owned by D. P. Thompson; occupied by J. A. Gamage as dwelling; cause of fire, burning curtain. Loss on building, \$4; on contents, \$5; building insured for \$2,000; contents, \$1,000; insurance paid on building, \$4; on contents, \$5. No work.

October 14—3 P. M. Still.

East Third street and Hawthorne avenue. Rubbish.

October 15—5:15 A. M. Box 73.

Foot of Thomas street. 1-story corrugated iron; owned and occupied by Ira Powers as boiler house; cause of fire, unknown. Loss on building, \$300; on contents, \$50. Water.

October 16—7:50 A. M. Box 29.

No. 88 Twenty-second street. 2½-story frame; owned by W. L. Lindhard; occupied by H. M. Van Deems as dwelling; cause of fire, burning flue. Building insured for \$1,800; contents, \$1,000. No work.

October 17—7:15 A. M. Still.

No. 363 East Seventh street. 1½-story frame; owned by J. G. Gruner; occupied by L. J. Gardner as dwelling; cause of fire, lamp exploded. Loss on building, \$10; contents, \$5; building insured for \$800; insurance paid on building, \$10. Babcock.

October 17—8:30 P. M. Telephone.

No. 165 Front street. 5-story brick; owned by F. Knapp; occupied by J. Solomon as clothing store; cause of fire, defective flue. No loss.

October 18—5:30 P. M. Still.

East Third street and Hawthorne avenue. Rubbish.

October 19—2:20 P. M. Telephone.

No. 347 Morrison street. 3-story frame; owned by J. S. Risley; occupied by M. Shields as bakery; cause of fire, burning flue. Insurance on building, \$4,000; on contents, \$200. No loss.

October 19—3 P. M. Telephone.

Thirty-sixth and Belmont streets.

October 21—9:55 A. M. Still.

No. 167 Fourth street. 3-story brick; owned and occupied by Y. M. C. A.; cause of fire, lamp exploded. No loss.

October 22—11:15 A. M. Box 124.

No. 226 Hall street. 1-story frame; owned by W. K. Smith; occupied by Mrs. White as dwelling; cause of fire, overheated stove. Loss on building, \$75; on contents, \$50. Chemical.

October 24—4 P. M. Still.

No. 765 Hood street. 1-story frame; owned and occupied by P. Bruer as dwelling; cause of fire, defective flue. Loss on building, \$25; on contents, \$20; building insured for \$500; insurance paid on building, \$25. Babcock.

October 24—11:45 A. M. Still.

No. 104 Front street. 2-story brick; owned by W. B. Smith; occupied by John Clark as harness store; cause of fire, burning flue. Loss on contents, \$600; building insured for \$6,000; contents, \$15,500; insurance paid on contents, \$600. No work.

October 26—1:25 P. M. Telephone.

Second and Alder streets; false alarm.

October 27—3:15 A. M. Box 75.

Northeast corner First and Sheridan streets. 2-story frame; owned by H. Monastes; unoccupied; cause of fire, incendiary. Loss on building, \$5. Chemical.

October 27—8:35 A. M. Telephone.

Eighth and Hoyt streets. N. P. Freight Dept. False alarm.

October 31—4:55 P. M. Telephone.

No. 354 Taylor street. 1-story frame; owned by Captain Pope; occupied by Mrs. Rutherford as dwelling; cause of fire, burning flue. No loss.

October 31—8:30 P. M. Box 242.

Cycle Park. 1-story frame; owned by Mr. Bernard; cause of fire, incendiary. Loss on building, \$50.

October 31—6:35 P. M. Still.

No. 50 Third street. 1-story frame; owned by Macleay Estate; occupied by Hicks & Clough as museum; cause of fire, electric wire. Loss on contents, \$100. Chemical.

November 2—2 P. M. Telephone.

No. 641 Fourth street. 1-story frame; owned by C. Elwood; occupied by H. Bander as dwelling; cause of fire, burning flue. No loss.

November 4—6:30 P. M. Still.

Fifth and Morrison streets. 3-story stone; owned and occupied by U. S. Government as U. S. postoffice; cause of fire, ash barrel. No loss.

November 5—5:30 P. M. Box 142.

No. 51½ North Third street. 3-story frame; owned by Breyman & Sommerville; occupied by C. H. Bateman as lodging house; cause of fire, burning flue. Building insured for \$10,000. No work.

November 6—4:20 P. M. Box 38.

No. 252 Front street. 1½-story frame; owned and occupied by S. Bernstein as dwelling; cause of fire, burning flue. No loss.

November 7—9:30 A. M. Telephone.

No. 31 East Pine street. 1½-story frame; owned and occupied by H. R. Lewis as dwelling; cause of fire, burning flue. No loss.

November 7—5:55 P. M. Box 329.

Twelfth and Weidler streets. 2½-story frame; owned and occupied by W. S. Conser as dwelling; cause of fire, burning flue. Building insured for \$3,150; contents, \$1,000. No loss.

November 7—7:55 P. M. Telephone.

No. 129 Tenth street. 2-story frame; owned by Mrs. Ward Stephens; occupied by Miss R. Sheehy as dwelling; cause of fire, burning flue. Building insured for \$2,000; contents, \$600. No work.

November 8—9:30 A. M. Still.

No. 111 North Fourteenth street. 2-story frame; owned by T. O'Brien; occupied by M. J. Conley as dwelling; cause of fire, burning flue. Building insured for \$500. No work.

November 8—7:15 P. M. Telephone.

East Twelfth and Belmont streets. 2-story frame; owned and occupied by M. B. McFall as dwelling; cause of fire, burning flue. Building insured for \$1,500; contents, \$500. No work.

November 10—3 P. M. Box 259.

Ninth and Brooklyn streets. 1-story frame; owned by E. Bartlett; occupied by J. F. Moyer as dwelling; cause of fire, defective stove pipe. Loss on building, \$5. Babcock.

November 10—7:42 A. M. Box 342.

No. 297 Sellwood street. 2-story frame; occupied by G. W. Downs as dwelling; cause of fire, burning flue. No loss.

November 10—9 P. M. Still.

No. 187 Chapman street. False alarm.

November 11—9:55 A. M. Still.

No. 63½ Second street. 3-story brick; owned by J. & A. Fay; occupied by Hong Fook Lung as Chinese lodging; cause of fire, electric wires. Loss on building, \$5; building insured for \$2,000; contents, \$500; insurance paid on building, \$5. Chemical.

November 11—11:45 A. M. Still.

No. 1045 Belmont streets. 1½-story frame; owned by E. Kingsley; occupied by Mrs. Peterson as dwelling; cause of fire, burning flue. Contents insured for \$200. No loss.

November 11—7 P. M. Box 142.

No. 270 Everett street. 1-story frame; owned by R. Williams; occupied by Miss M. Jones as dwelling; cause of fire, defective flue. Loss on building, \$2.50. No work.

November 13—2:25 P. M. Telephone.

No. 83 East Park street. 1-story frame; owned by Mrs. A. Campion; occupied by R. Hockley as dwelling; cause of fire, burning flue. Building insured for \$600; contents, \$400. No work.

November 13—2:30 P. M. Telephone.

Thirty-first and East Ankeny streets. 1-story frame; owned by Atkinson & Wakefield; occupied by Chas. Coates as dwelling; cause of fire, burning flue. No work.

November 14—12:35 P. M. Telephone.

No. 187 North Sixteenth street. False alarm.

November 14—5:15 P. M. Box 142.

No. 35 North Third street. 1-story frame; owned by Kearney, Corbett & Woodward; occupied by L. Robinson as clothing store; cause of fire, defective gas fixtures. Loss on contents, \$10; building insured for \$2,000; contents, \$1,500; insurance paid on contents, \$10. No work.

November 14—6:30 P. M. Box 135.

False alarm.

November 18—7:15 P. M. Box 237.

Larrabee street. 2-story frame; dwelling; cause of fire, burning flue. No work.

November 18—9:50 P. M. Box 21.

No. 151 Sixth street. 8-story brick; owned by Title Guarantee & Trust Co.; occupied by H. Loveridge as electric works; cause of fire, electric wires. Loss on building, \$7; on contents, \$55; building insured for \$73,000; contents, \$700; insurance paid on building, \$7; on contents, \$55. Chemical.

November 20—10:20 P. M. Box 38.

No. 334 First street. 1-story frame; owned and occupied by J. S. Giltner as dwelling; cause of fire, defective flue. Loss on building, \$5. Water.

November 20—10:40 P. M. Telephone.

No. 334 First street. Same fire.

November 20—11:45 A. M. Telephone.

Union avenue and Belmont street. Bridge; owned and occupied by city. Cause of fire, spontaneous combustion. Water.

November 20—3 P. M. Still.

No. 71 North Sixteenth street. 1½-story frame; owned by H. Weinhard; occupied by G. Krochman as dwelling; cause of fire, defective flue. Water and chemical.

November 23—5:50 P. M. Box 29.

No. 674 Everett street. 2-story frame; owned by T. J. Clark; occupied by R. A. Adams as dwelling; cause of fire, burning flue. Building insured for \$1,600. No loss.

November 23—4:40 P. M. Box 53.

No. 171 Park street. 3-story frame; owned by Cleveland Rockwell; occupied by Mrs. Shandon as dwelling; cause of fire, burning flue. No loss.

November 24—9 A. M. Telephone.

No. 262 Wheeler street. 1-story frame; owned by D. C. Bogart; occupied by G. S. Bell as dwelling; cause of fire, defective flue. Building insured for \$700. No loss.

November 27—7:10 A. M. Box 142.

No. 86 North Third street. 1-story frame; owned by N. Cohn; occupied by Mrs. Reizel as second hand store; cause of fire, defective flue. Contents insured for \$300. Chemical.

November 28—4:50 P. M. Box 13.

Third and Washington streets. 8-story brick; owned by Dekum Estate; occupied by Lipman, Wolfe & Co. as department store; cause of fire, electric wires. Chemical.

December 2—9:56 A. M. Telephone.

No. 428 Seventh street. 1½-story frame; owned and occupied by A. L. Little as dwelling; cause of fire, burning flue. No work.

December 2—4 P. M. Still.

No. 471 Seventh street. 2-story frame; owned by J. E. Eckland; occupied by D. Gundock as dwelling; cause of fire, burning flue. No work.

December 3—6:30 P. M. Box 26.

No. 341 North Fourteenth street. 1½-story frame; owned by J. H. Middleton; occupied by Mrs. A. Chambers as dwelling; cause of fire, defective flue. Loss on building, \$12.65; building insured for \$200; insurance paid on building, \$12.65. Babcock.

December 5—7:30 P. M. Still.

No. 389 East Couch street. 1½-story frame; owned by J. W. Wilson; occupied by J. E. Busbery as dwelling; cause of fire, burning flue. No work.

December 6—7:15 A. M. Box 12.

No. 250 Morrison street. 1-story frame; owned by Failing Estate; occupied by L. Deeler as shoe store; cause of fire, incendiary. Loss on building, \$150; on contents, \$5,500; contents insured for \$5,000; insurance paid on contents, \$5,000. Water.

December 6—9:30 A. M. Still.

No. 250 Morrison street. 1-story frame; owned by Failing Estate; occupied by L. Deeler as shoe store; same fire. No work.

December 6—11:35 P. M. Still.

No. 367 Tenth street. 2-story frame; owned and occupied by G. Davis as dwelling; cause of fire, burning flue. No work.

December 6—5:45 P. M. Telephone.

Thirty-seventh and East Madison streets. 1½-story frame; owned by C. Rockwell; occupied by M. A. Murphy as dwelling; cause of fire, burning flue. No work.

December 6—8:15 P. M. Still.

No. 362 Russell street. 1½-story frame; owned and occupied by J. Wagoner as dwelling; cause of fire, burning flue. No work.

December 6—10:30 P. M. Still.

Thirteenth and Belmont streets. 2-story frame; owned by J. P. Gage; occupied by G. A. Blair as dwelling; cause of fire, burning flue. Contents insured for \$750. No work.

December 6—11:20 P. M. Still.

No. 288 Russell street. 2-story frame; occupied by Mrs. Dent as dwelling; cause of fire, sparks from stove. Loss on contents, \$60; contents insured for \$150; insurance paid on contents, \$55.40. Babcock.

December 7—2:40 P. M. Still.

Twenty-seventh and Broadway. 1½-story frame; owned and occupied by M. E. Rowlands as dwelling; cause of fire, burning flue. Building insured for \$1,000. No work.

December 8—6:35 P. M. Box 319.

Russell and Union avenues. 2-story frame; owned by H. Wagnitz; occupied by M. Melcher as dwelling and store; cause of fire, burning flue. Building insured for \$1,400; contents, \$500. No work.

December 8—3:45 P. M. Telephone.

No. 147 North Twenty-first street. 1-story frame; owned by Mrs. E. Corbett; occupied by A. Matteson as dwelling; cause of fire, defective flue. Loss on building, \$30; on contents, \$10. Water.

December 8—6:25 P. M. Telephone.

No. 275 Everett street. 2-story frame; owned by Chas. Cardinell; occupied by J. M. Carson as saloon; cause of fire, burning flue. Building insured for \$500. No work.

December 9—1:50 P. M. Box 59.

No. 429 Fifth street. 1-story frame; owned by B. Flick; occupied by D. B. Flick as dwelling; cause of fire, burning flue. Loss on building, \$14.15; building insured for \$500; insurance paid on building, \$14.15. Babcock.

December 10—2:30 P. M. Still.

No. 489 Glisan street. 1-story frame; owned by G. D. Connertin; occupied by M. Curry as dwelling; cause of fire, burning flue. Building insured for \$200. No work.

December 11—5:20 P. M. Box 12.

No. 142½ First street. 4-story brick; owned by Gilman Estate; occupied by W. E. McPherson as rooming house; cause of fire, gasoline lamp. Building insured for \$10,000. No work.

December 11—9 A. M. Box 142.

No. 280 Everett street. 2-story frame; owned by A. Lyons; occupied by A. Armand as saloon; cause of fire, burning flue. Loss on building, \$6.50; building insured for \$1,100; contents, \$1,200; insurance paid on building, \$6.50. No work.

December 11—9:30 A. M. Telephone.

No. 685 Kearney street. 1-story frame; owned and occupied by T. Clark as dwelling; cause of fire, burning flue. Building insured for \$700; contents, \$1,000. No work.

December 12—8 A. M. Telephone.

No. 90 Russell street. 2-story frame; owned by T. C. Tenneson; occupied by Lauren Schell as store; cause of fire, burning flue. Building insured for \$1,500; contents, \$900. No work.

December 12—3:10 P. M. Box 216.

Eleventh and Stephens. 1½-story frame; owned by Henry Wiet; occupied by C. W. Harold as dwelling; cause of fire, defective flue. Loss on building, \$52; building insured for \$200; insurance paid on building, \$52. Babcock.

December 12—6:10 A. M. Telephone.

No. 189 Twelfth street. 1-story frame; owned by L. Clark; occupied by E. S. Davis as dwelling; cause of fire, burning flue. No work.

December 12—11:30 A. M. Telephone.

No. 330 Burnside street. 2-story frame; owned by E. Devaney; occupied by Mrs. A. Foss as dwelling; cause of fire, overheated flue. Building insured for \$200; contents, \$400. No work.

December 12—3:45 P. M. Telephone.

No. 209 Twenty-second street. False alarm.

December 13—12:30 P. M. Box 53.

No. 215 Park street. 2-story frame; owned and occupied by F. M. Warren as dwelling; cause of fire, defective flue. Loss on building, \$1,071; on contents, \$1,094; building insured for \$2,500; contents, \$2,600; insurance paid on building, \$1,071; on contents, \$1,094. Water and chemical.

December 13—4:30 P. M. Telephone.

No. 202 King street. 2½-story frame; owned by A. N. King; occupied by J. G. Gauld as dwelling; cause of fire, burning flue. Contents insured for \$2,000. No work.

December 13—6 P. M. Still.

No. 546 Glisan street. 2-story frame; owned by Mary A. Couch; occupied by A. Sine as dwelling; cause of fire, burning flue. Building insured for \$700; contents, \$600. No work.

December 14—2:25 P. M. Telephone.

No. 94 North Front street. 1-story brick; owned and occupied by Portland Gas Co. as gas works; cause of fire, spontaneous combustion. Loss on contents, \$800; building insured for \$4,000. Water.

December 14—8:10 P. M. Still.

No. 264 Jefferson street; 2-story frame; owned by N. Lambert; occupied by J. Dancy as lodging-house; cause of fire, burning flue. No work.

December 15—2 P. M. Telephone.

No. 94 North Front street. 1-story brick; owned and occupied by Portland Gas Co. as gas works; cause of fire, spontaneous combustion. Water.

December 16—9:15 P. M. Box 14.

No. 61½ Second street. 3-story brick; owned by J. & A. Fahie; occupied by Kim Lim Soon as restaurant; cause of fire, burning flue. Building insured for \$3,000; contents, \$2,000. No work.

December 16—6:45 P. M. Box 36.

364 Front street. 2-story frame; owned by Mrs. Carson; occupied by Mrs. Walsh as dwelling; cause of fire, burning flue. No work.

December 17—1:35 A. M. Box 142.

No. 246½ Couch street. 2-story frame; owned by Wm. Stevens; occupied by Sing Chung as lodging house; cause of fire, burning flue. No work.

December 19—8:30 A. M. Telephone.

No. 94 North Third street. False alarm.

December 19—8:10 A. M. Box 12.

Nos. 162-4 Second street. 3-story brick; owned by Davenport Estate; occupied by Coblenz Co. as liquor store; cause of fire, defective flue. Loss on building, \$14.50; on contents, \$500; building insured for \$8,000; contents, \$2,500; insurance paid on building, \$1,450; on contents, \$500. Chemical.

False alarm. December 20—6 P. M. Box 53.

December 20—5:45 A. M. Telephone.

Russell street and Williams avenue. Cable box; owned and occupied by Oregon Telephone Co.; cause of fire, crossed wires. No work.

December 21—5:45 P. M. Box 53.
False alarm.

December 21—4:55 P. M. Telephone.

No. 182 Seventeenth street. False alarm.

December 22—12:20 P. M. Box 24.

No. 115 North Sixteenth street. 2-story frame; owned by T. B. Wilcox; occupied by H. A. Mills as grocery store; cause of fire, sparks from stove. Loss on building, \$700; on contents, \$3,200; building insured for \$3,000; contents, \$2,750; insurance paid on building, \$700; on contents, \$2,750. Water.

December 22—5:50 P. M. Telephone.

No. 569 Commercial street. 1½-story frame; owned and occupied by — Hagedorem as dwelling; cause of fire, burning flue. No work.

December 29—5 A. M. Box 214.

Water street and Hawthorne avenue. 2-story frame; owned and occupied by Wolf & Zwicker as iron works; cause of fire, galv. tank. Building insured for \$16,000; contents, \$64,000. No work.

December 31—7:50 P. M. Box 53.

No. 211 East Park street. 1½-story frame; owned by F. M. Warren; occupied by Geo. Northnagle as dwelling; cause of fire, lamp exploded. Loss on building, \$89; on contents, \$71.25; building insured for \$1,500; contents, \$800; insurance paid on building, \$89; on contents, \$71.25.

COMPANY ORGANIZATIONS.

ANNUAL REPORT OF ENGINE COMPANY NO. 1, FOR YEAR ENDING DECEMBER 31, 1898.

Location, 170 Fourth Street.

Badge	Name.	Position.	Age.	Occupation.	Residence.
3	George H. Wemple..	Foreman.....	46	Carriage Painter...	573 Madison.....
4	Henry McMullen...	Engineer.....	52	Engineer.....	Engine House, 170 4th...
5	Geo. Baldwin.....	Driver.....	38	Teamster.....	Engine House, 170 4th...
6	Chas. Anderson.....	Driver.....	28	Coachman.....	Engine House, 170 4th...
7	Emmet Eller.....	Extraman.....	32	Lineman.....	Engine House, 170 4th...
8	B. O. Eide.....	Extraman.....	22	Horseshoer.....	Engine House, 170 4th...
9	C. Marcell.....	Extraman.....	43	Plasterer.....	Engine House, 170 4th...
10	Wm. O'Brien.....	Extraman.....	22	Roofer.....	Engine House, 170 4th...

Number of alarms responded to: Bell, 89; still, 2; telephone, 42. Number hours in service, 76.

Inventory—One second class Clapp & Jones engine and heater; 1 2-horse hose wagon; 2,000 feet of cotton hose; 4 horses and harness.

ANNUAL REPORT OF ENGINE COMPANY NO. 3, FOR YEAR ENDING DECEMBER 31, 1898.

Location, 510 Washington Street.

Badge	Name.	Position.	Age.	Occupation.	Residence.
23	W. Winter.....	Foreman.....	39	Upholsterer.....	544 Taylor Street.....
24	W. Wascher.....	Engineer.....	65	Engineer.....	Engine House.....
25	W. Harrow.....	Driver.....	29	Teamster.....	Engine House.....
26	B. Rosenthal.....	Driver.....	26	Teamster.....	Engine House.....
30	G. Curly.....	Extraman.....	30	Plumber.....	472 Burnside Street.....
18	B. Schulte.....	Extraman.....	39	Butcher.....	Engine House.....
34	P. J. Mellis.....	Extraman.....	28	Plumber.....	685 Savier Street.....
27	J. McCloud.....	Extraman.....	28	Janitor.....	Engine House.....

Number of alarms responded to: Bell, 169; still, 5; telephone, 11. Number hours in service, 72.

Inventory—One fourth-class Selsby engine and heater, fully equipped; 1 2-wheeled hose cart; 1,600 feet of cotton hose; 3 horses and harness.

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ANNUAL REPORT OF ENGINE COMPANY NO. 4, FOR YEAR ENDING DECEMBER 31, 1898.

Location, East Side Fourth Street, between Mill and Montgomery.

Badge	Name.	Position.	Age.	Occupation.	Residence.
33	J. B. Simpson.....	Foreman.....	32	Electric Trimmer...	548 First Street.....
34	B. Webb.....	Engineer.....	33	Engineer.....	370 4th St., Engine House.
35	J. E. Field.....	Engine Driver.....	43	Teamster.....	369 Third Street.....
36	J. S. Kingsley.....	Cart Driver.....	40	Tinsmith.....	394 Fourth Street.....
37	H. Wise.....	Extraman.....	30	Plumber.....	268 Market Street.....
39	J. Wendorf.....	Extraman.....	28	Groceryman.....	387 Fourth Street.....
38	F. Harmer.....	Extraman.....	24	Electric Trimmer...	370 4th St., Engine House.
41	F. Baird.....	Extraman.....	37	Electric Trimmer...	370 4th St., Engine House.

Number of alarms responded to: 112. Bell, 85; still, 7; telephone, 20. Number hours in service, 94.

Inventory—One third-class Clapp & Jones fire engine; 1 2-wheel hose cart; 1,800 feet cotton hose; 1 Coleman heater, complete; 3 horses and harness.

BOARD OF FIRE COMMISSIONERS' REPORT.

ANNUAL REPORT OF ENGINE COMPANY NO. 5, FOR YEAR ENDING DECEMBER 31, 1898.

Location, Front Street, between Gibbs and Whitaker.

Badge	Name.	Position.	Age.	Occupation.	Residence.
79	B. F. Jones.....	Foreman.....	38	Druggist.....	Front and Gibbs.....
80	C. H. Feldman.....	Engineer.....	32	Engineer.....	805 Front.....
81	F. Capen.....	Engine Driver.....	32	Teamster.....	Engine House.....
82	L. N. Riley.....	Hose Driver.....	35	Teamster.....	Engine House.....
83	Fred Hobkirk.....	Extraman.....	22	Tinner.....	Engine House.....
84	George Capen.....	Extraman.....	27	Shoemaker.....	Engine House.....
85	Theo. Senn.....	Extraman.....	36	Plumber.....	701 Front Street.....
86	W. R. Ryan.....	Extraman.....	21	Bricklayer.....	Engine House.....

Number of alarms responded to: Bell, 31; still, 8; telephone, 0. Number hours in service, 35½.

Inventory—One hose wagon; 1 fourth-class Amoskeag engine; 1 heater; 650 feet rubber hose; 2 Babcocks, 10 gallons; 4 horses and harness.

ANNUAL REPORT OF ENGINE COMPANY NO. 7, FOR YEAR ENDING DECEMBER 31, 1898.

Location, Third and East Pine.

Badge	Name.	Position.	Age.	Occupation.	Residence.
109	W. Smith.....	Foreman.....	30	Cabinetmaker.....	Engine House.....
110	W. Everson.....	Engineer.....	51	Engineer.....	Engine House.....
112	D. P. Merwin.....	Driver.....	28	Teamster.....	Engine House.....
111	J. Penney.....	Driver.....	30	Teamster.....	Engine House.....
..	F. Robinson.....	Extraman.....	33	Machine Hand.....	26 East Third.....
17	A. Powell.....	Extraman.....	30	Barber.....	Engine House.....
115	J. Went.....	Extraman.....	29	Plumber.....	368½ East Oak.....
117	S. Penney.....	Extraman.....	26	Teamster.....	Engine House.....

Number of alarms responded to: Bell, 29; still, 0; telephone, 28. Number hours in service, 54:10.

Inventory—One fourth-class Watrous engine; 1 hose wagon, fully equipped; 4 horses and harness; 1,600 feet cotton hose.

ANNUAL REPORT OF ENGINE COMPANY NO. 8, FOR YEAR ENDING DECEMBER 31, 1898.

Location, 287 Russell Street.

Badge	Name.	Position.	Age.	Occupation.	Residence.
119	McEachern, M. W...	Foreman.....	..	Grocer.....	510 Borthwick Street.....
120	Leach, Geo. B.....	Engineer.....	38	Engineer.....	Engine House.....
158	Brown, L. P.....	Engine Driver.....	45	Teamster.....	Engine House.....
122	Russell, Oscar.....	Hose Driver.....	24	Teamster.....	Engine House.....
126	Donlon, N. R.....	Extraman.....	28	Machinist.....	Engine House.....
124	Orr, Chas. E.....	Extraman.....	33	Merchant.....	299½ Russell Street.....
123	Smith, Geo.....	Extraman.....	37	Car Repairer.....	Engine House.....
125	Wilson, J. F.....	Extraman.....	35	Carpenter.....	299½ Russell Street.....

Number of alarms responded to: Bell, 14; still, 14; telephone, 4. Number hours in service, 29:23.

Inventory—One third-class Clapp & Jones steam engine (in service); 1 Amoskeag steam engine (out of service); 1 hose wagon, complete; 1,700 feet hose; 4 horses; 2 sets double harness.

ANNUAL REPORT OF HOOK AND LADDER CO. NO. 1, FOR YEAR ENDING DECEMBER 31, 1898.

Location, 168 Fourth Street.

Badge	Name.	Position.	Age.	Occupation.	Residence.
43	A. G. Stephan.....	Foreman.....	36	Map Mounter.....	168 Fourth Street.....
44	A. Ritchardson.....	Driver.....	36	Teamster.....	168 Fourth Street.....
45	S. Glendon.....	Extraman.....	31	Floorman.....	350 Taylor Street.....
46	M. J. Duffy.....	Extraman.....	36	Lineman.....	168 Fourth Street.....
47	A. G. McClane.....	Extraman.....	36	Lineman.....	168 Fourth Street.....
48	T. Parkerson.....	Extraman.....	30	Longshoreman.....	168 Fourth Street.....
49	F. Dowell.....	Extraman.....	28	Boilermaker Helper.....	168 Fourth Street.....
50	J. Sweeney.....	Extraman.....	36	Roofer.....	168 Fourth Street.....
51	W. Aspland.....	Extraman.....	26	Lineman.....	168 Fourth Street.....
144	J. Kincade.....	Extraman.....	36	Line Foreman.....	327 Alder Street.....

Number of alarms responded to: Bell, 68; still, 10; telephone, 46. Number hours in service, 87:25.

Inventory—One first-class Hayes truck, 3-horse hitch, fully equipped.

ANNUAL REPORT OF HOOK AND LADDER CO. NO. 2, FOR YEAR ENDING DECEMBER 31, 1898.

Location, 368 Fourth Street.

Badge	Name.	Position.	Age.	Occupation.	Residence.
69	W. M. Ransdell.....	Foreman.....	29	Blacksmith.....	Truck House.....
70	O. F. Hussey.....	Driver.....	44	Teamster.....	Truck House.....
71	W. Bubb.....	Extraman.....	24	Teamster.....	Truck House.....
72	C. W. Ryan.....	Extraman.....	38	Carpenter.....	Truck House.....
73	W. A. Groce.....	Extraman.....	29	Teamster.....	Truck House.....
74	J. Fraser.....	Extraman.....	32	Teamster.....	Truck House.....
75	R. Connuto.....	Extraman.....	23	Clerk.....	Truck House.....
76	W. R. Castleman....	Extraman.....	28	Electrician.....	Truck House.....

Number of alarms responded to: Bell, 172; still, 14; telephone, 19. Number hours in service, 63:40.

Inventory—One second-class Hayes truck, fully equipped; 3 swinging sets of harness; 3 horses.

ANNUAL REPORT OF HOOK AND LADDER CO. NO. 3, FOR YEAR ENDING DECEMBER 31, 1898.

Location, Glisan Street, between Fourteenth and Fifteenth.

Badge	Name.	Position.	Age.	Occupation.	Residence.
95	F. D. Richardson....	Foreman.....	37	Engineer.....	Truck House.....
100	W. N. St. Clair.....	Driver.....	29	Teamster.....	Truck House.....
103	E. Parker.....	Extraman.....	32	Lineman.....	Truck House.....
104	B. King.....	Extraman.....	30	Teamster.....	Truck House.....
105	E. Walsh.....	Extraman.....	27	Painter.....	Truck House.....
106	A. Mutch.....	Extraman.....	30	Horseshoer.....	Truck House.....
107	L. Fried.....	Extraman.....	26	Butcher.....	Truck House.....
108	J. Buchtel.....	Extraman.....	26	Upholsterer.....	Truck House.....

Number of alarms responded to: 93. Bell, 54; still, 17; telephone, 22. Number hours in service, 90.

Inventory—One third-class Hayes truck, fully equipped; 2 horses and harness.

ANNUAL REPORT OF HOOK AND LADDER CO. NO. 4, FOR YEAR ENDING DECEMBER 31, 1898.

Location, Holladay Avenue, between Union and Grand.

Badge	Name.	Position.	Age.	Occupation.	Residence.
145	W. B. Sloan.....	Foreman.....	30	.....	Truck House.....
146	W. D. Heath.....	Driver.....	30	.....	Truck House.....
147	F. N. McMahan.....	Extramán.....	22	Grocery Clerk.....	Truck House.....
149	R. Gee.....	Extramán.....	35	Carpenter.....	Truck House.....
150	H. Lakey.....	Extramán.....	30	Plumber.....	311 Cherry Street.....
151	C. Jacobson.....	Extramán.....	36	Lineman.....	66 East Ninth South.....
153	M. Corliss.....	Extramán.....	23	Boilermaker.....	23½ Union Avenue.....
154	G. C. Parrott.....	Extramán.....	24	Clerk.....	Truck House.....

Number of alarms responded to: Bell, 43; still, 0; telephone, 18. Number of hours in service, 68:30.

Inventory—One third-class Hayes truck, complete; 3 horses and harness.

ANNUAL REPORT OF HOSE COMPANY NO. 1, FOR YEAR ENDING DECEMBER 31, 1898.

Location, 69 Second Street.

Badge	Name.	Position.	Age.	Occupation.	Residence.
53	M. J. Driscoll.....	Foreman.....	32	Butcher.....	69 Second Street.....
54	W. Brown.....	Driver.....	37	Teamster.....	69 Second Street.....
55	M. O'Brien.....	Extramán.....	25	Teamster.....	69 Second Street.....
56	F. Rose.....	Extramán.....	27	Ship Liner.....	69 Second Street.....
57	M. McNulty.....	Extramán.....	33	Longshoreman.....	69 Second Street.....
59	J. F. Hickey.....	Extramán.....	23	Teamster.....	69 Second Street.....

Number of alarms responded to: 191. Bell, 167; still, 18; telephone, 6. Number of hours in service, 65:25.

Inventory—One 2-horse 4-wheeled hose carriage; 2 horses and harness; and 800 feet of rubber hose.

ANNUAL REPORT OF HOSE COMPANY NO. 2, FOR YEAR ENDING DECEMBER 31, 1898.

Location, First Street, between Madison and Jefferson.

Badge	Name.	Position.	Age.	Occupation.	Residence.
61	W. R. Kerrigan.....	Foreman.....	35	Stonemason.....	Hose House.....
62	J. W. Smith.....	Driver.....	39	Teamster.....	Hose House.....
63	George Zeller.....	Extraman.....	45	Porter.....	Hose House.....
64	Ed. Stocklen.....	Extraman.....	32	Butcher.....	Hose House.....
65	A. T. Mills.....	Extraman.....	36	Shoemaker.....	Hose House.....
66	George Kronenberg..	Extraman.....	22	Clerk.....	Hose House.....

Number of alarms responded to: Bell, 86; still, 7; telephone, 15. Number hours in service, 93.

Inventory—One 4-wheel hose wagon, fully equipped; 2 horses; 1 double set of harness; 1,800 feet cotton hose.

ANNUAL REPORT OF HOSE COMPANY NO. 3, FOR YEAR ENDING DECEMBER 31, 1898.

Location, 367 East Seventh Street.

Badge	Name.	Position.	Age.	Occupation.	Residence.
		Foreman.....	36	Expressman.....	367 East Seventh.....
129	H. M. Burt.....	Driver.....	33	Teamster.....	367 East Seventh.....
130	Wm. G. Lang.....	Extraman.....	24	Bookkeeper.....	367 East Seventh.....
135	E. J. Davey.....	Extraman.....	26	Draughtsman.....	367 East Seventh.....
161	J. E. Wolff.....	Extraman.....	28	Bicycle Repairer....	365 East Seventh.....
136	H. N. Reibenstein...	Extraman.....	34	Chairmaker.....	.....
133	D. S. Painter.....	Extraman.....	28	Salesman.....	375 East Seventh.....
134	Chas. H. Phillips....	Extraman.....			

Number of alarms responded to: Bell, 25; still, 6; telephone, 13. Number hours in service, 44:50.

Inventory—One Amoskeag hose carriage; 1,300 feet cotton hose; 2 horses; 1 set double harness.

ANNUAL REPORT OF HOSE COMPANY NO. 5, FOR YEAR ENDING DECEMBER 31, 1898.

Location, Thirty-fifth and Belmont Streets.

Badge	Name.	Position.	Age.	Occupation.	Residence.
	C. R. Fleming.....	Foreman.....	41	Painter.....	221 E. Thirty-sixth.....
	J. T. Bodwell.....	Driver.....	38	Teamster.....	271 E. Thirty-fourth.....

Number of alarms responded to: Bell, 1; still, 11. Number of hours in service, 9:45.

Inventory—1 4-wheel hose reel; 2 horses and harness; 775 feet rubber hose; 2 Babcocks.

ANNUAL REPORT OF HOSE COMPANY NO. 6, FOR YEAR ENDING DECEMBER 31, 1898.

Location, 329 North Twentieth Street.

Badge	Name.	Position.	Age.	Occupation.	Residence.
89	A. W. Dolson.....	Foreman.....	32	Lather.....	Engine House.....
90	J. H. Price.....	Driver.....	29	Teamster.....	Engine House.....
91	J. A. Versteeg.....	Extraman.....	29	Teamster.....	Engine House.....
93	F. Baldwin.....	Extraman.....	25	Wool man.....	Engine House.....
97	C. O. Haines.....	Extraman.....	24	Clerk.....	Engine House.....
98	J. Gosher.....	Extraman.....	30	Teamster.....	Nineteenth and Pettygrove

Number of alarms responded to: Bell, 22; still, 6; telephone, 14. Number of hours in service, 49:00.

Inventory—One hose wagon, fully equipped; 1,600 feet canvas hose; house fully equipped.

ANNUAL REPORT OF CHEMICAL COMPANY NO. 1, FOR YEAR ENDING DECEMBER 31, 1898:

Location, 69 Second Street.

Badge	Name.	Position.	Age.	Occupation.	Residence.
150	A. E. Austin.....	Foreman.....	30	Decorator.....	Engine House.....
151	Thos. Springer.....	Driver.....	39	Teamster.....	Engine House.....
152	Geo. W. Stokes.....	Pipeman.....	32	Teamster.....	Engine House.....

Number of alarms responded to: Bell, 169; still, 15; telephone, 23. Number of hours in service, 72:15.

Inventory—One double 80-gallon Champion chemical engine, fully equipped.

ANNUAL REPORT OF CHEMICAL ENGINE COMPANY NO. 2, FOR YEAR ENDING DECEMBER 31, 1898.

Location, 273 First Street, between Jefferson and Madison.

Badge	Name.	Position.	Age.	Occupation.	Residence.
.....	P. Mansiet.....	Foreman.....	34	Tinsmith.....	Engine House.....
.....	A. Graham.....	Driver.....	32	Carpenter.....	Engine House.....
.....	H. Crisman.....	Pipeman.....	37	Engineer.....	Engine House.....

Number of alarms responded to: Bell, 83; still, 6; telephone, 19. Number of hours in service, 68:50.

Inventory—One No. 3½ Champion chemical engine, double, 60-gallon; 2 horses and harness; 250 feet 1-inch chemical hose.

ANNUAL REPORT OF CHEMICAL ENGINE COMPANY NO. 3, FOR YEAR ENDING DECEMBER 31, 1898.

Location, west side of Union Avenue, between Holladay Avenue and Hassalo Street.

Badge	Name.	Position.	Age.	Occupation.	Residence.
146	D. M. Lloyd.....	Foreman.....	40	Blacksmith.....	Chemical Engine House.
148	J. F. Wilson.....	Driver.....	35	Carpenter.....	Chemical Engine House.
149	C. F. Neale.....	Pipeman.....	32	Carriagesmith.....	Chemical Engine House.

Number of alarms responded to: Bell, 39; still, 3; telephone, 19. Number of hours in service, 59:10.

Inventory—One No. 3½ Champion chemical engine, double, 60-gallon tank, fully equipped; 2 horses and harness.

ANNUAL REPORT OF CHEMICAL ENGINE COMPANY NO. 4, FOR YEAR ENDING DECEMBER 31, 1898.

Location, Highland, 1029 Union Avenue.

Badge	Name.	Position.	Age.	Occupation.	Residence.
.....	A. Balmanno.....	Foreman.....	.....	.....	.....
.....	D. L. Truman.....	Driver.....	36	Carpenter.....	387 Mechanic Street.....
.....	E. A. Cadwell.....	Pipeman.....	.....	.....	.....

Number of alarms responded to: Still, 3. Number of hours in service, 1:45.

Inventory—One chemical, double, 60-gallon Champion engine, fully equipped; 2 horses and harness.

HYDRANTS.

NORTHERN DISTRICT.

Front and Alder, N W cor
 Front and Washington, N W cor
 Front and Stark, S W cor
 Front and Oak, N W cor
 Front and Pine, S W cor
 Front and Ash, S W cor
 Front and Ankeny, S W cor
 Front and Burnside, S W cor
 Front and Couch, S W cor
 Front and Davis, N W cor
 Front and Everett, N W cor
 Front, between Glisan and Hoyt
 Front, Second and Hoyt
 Front and Irving, N W cor
 O. R. & N. freight shed, S end
 O. R. & N. freight shed, midway
 O. R. & N. freight shed, N end
 Front and Northrup, N W cor
 Front and Pettygrove, S W cor
 Front and Quimby, N W cor
 Front and Raleigh, S W cor
 Front and Savier, S W cor
 Front and Thurman, S W cor
 Front and Upshur, N W cor
 Front, Watson and Seventeenth, S W cor
 Front, Hull and Eighteenth, S W cor
 North Pacific Mill Yard, 8 hydrants
 First and Washington, N E cor
 First and Oak, N W cor
 First and Pine, N W cor
 First and Burnside, S E cor
 First and Couch, S E cor
 First and Everett, N W cor
 First and Flanders, N E cor
 Second and Alder, S W cor
 Second and Washington, N E cor
 Second and Stark, S W cor
 Second and Oak, N W cor
 Second and Ash, S W cor
 Second and Ankeny, S E cor
 Second and Burnside, N W cor
 Second and Davis, S W cor
 Third and Alder, N W cor
 Third and Stark, S W cor
 Third and Oak, S E cor
 Third and Pine, S W cor
 Third and Ankeny, N W cor
 Third and Burnside, S W cor
 Third and Couch, S W cor
 Third and Davis, S W cor
 Third and Everett, S W cor
 Third and Flanders, S W cor
 Fourth and Morrison, N E cor
 Fourth and Alder, S E cor
 Fourth and Washington, N E cor
 Fourth and Pine, S W cor
 Fourth and Couch, N E cor
 Fourth and Davis, S W cor
 Fourth and Everett, N E cor
 Fourth and Glisan, N E cor
 Fifth and Alder, N E cor
 Fifth and Washington, N E cor
 Fifth and Oak, N E cor
 Fifth and Ankeny, S E cor
 Fifth and Couch, S E cor
 Fifth and Everett, S E cor
 Fifth and Flanders, N W cor
 Fifth and Hoyt, S E cor
 Sixth and Alder, N E cor
 Sixth and Washington, S W cor
 Sixth and Stark, S W cor
 Sixth and Pine, S W cor
 Sixth and Couch, N W cor
 Sixth and Glisan, N W cor
 Sixth and Irving, N W cor
 Seventh and Davis, S E cor
 Seventh and Flanders, N W cor
 Seventh and Hoyt, N W cor
 Seventh and Johnson, S E cor

HYDRANTS—Continued.

Northern District.

Park and Alder, N E cor
 Park and Burnside, S W cor
 Park and Davis, S W cor
 Park and Glisan, N E cor
 West Park and Washington, S W cor
 Ninth and Hoyt, N E cor
 Tenth and Alder, S W cor
 Tenth and Johnson, N E cor
 Tenth and Lovejoy, S E cor
 Eleventh and Stark, S E cor
 Eleventh and Burnside, N W cor
 Eleventh and Everett, S E cor
 Eleventh and Flanders, N W cor
 Eleventh and Irving, S W cor
 Twelfth and Davis, S E cor
 Twelfth and Glisan, S E cor
 Twelfth and Lovejoy, S E cor
 Twelfth and Northrup, S E cor
 Thirteenth and Flanders, N W cor
 Thirteenth and Kearney, N W cor
 Fourteenth and Alder, S W cor
 Fourteenth and Washington, N W cor
 Fourteenth and Davis, S W cor
 Fourteenth and Johnson, S W cor
 Fourteenth and Overton, S W cor
 Fourteenth and Quimby, S W cor
 Fourteenth and Savier, S W cor
 Fifteenth and Davis, S W cor
 Fifteenth and Flanders, S E cor
 Fifteenth and Thurman, S W cor
 Sixteenth and Washington, S E cor
 Sixteenth and Hoyt, N W cor
 Sixteenth and Kearney, S W cor
 Sixteenth and Northrup, S W cor
 Sixteenth and Pettygrove, N W cor
 Sixteenth and Savier, N W cor
 Seventeenth and Davis, S W cor
 Seventeenth and Flanders, N W cor
 Seventeenth and Marshall, N W cor
 Seventeenth and Upshur, N W cor
 Seventeenth and Wilson, N W cor
 Eighteenth and Irving, N W cor
 Eighteenth and Kearney, N W cor
 Eighteenth and Overton, N E cor
 Eighteenth and Quimby, N E cor
 Eighteenth and Savier, S E cor
 Nineteenth and Burnside, S E cor
 Nineteenth and Davis, S E cor
 Nineteenth and Flanders, S E cor
 Nineteenth and Hoyt, S E cor
 Nineteenth and Irving, S E cor
 Nineteenth and Johnson, S E cor
 Nineteenth and Lovejoy, S E cor
 Nineteenth and Northrup, S E cor
 Nineteenth and Pettygrove, S E cor
 Nineteenth and Raleigh, S E cor
 Nineteenth and Thurman, N E cor
 Nineteenth and Upshur, N E cor
 Nineteenth and Wilson, N E 100 feet
 Twentieth and Washington, N E cor
 Twentieth and Everett, S E cor
 Twentieth and Irving, S E cor
 Twentieth and Kearney, S E cor
 Twentieth and Marshall, S E cor
 Twentieth and Quimby, N W cor
 Twentieth and Thurman, N W cor
 Twenty-first and Flanders, S E cor
 Twenty-first and Hoyt, S E cor
 Twenty-first and Johnson, S E cor
 Twenty-first and Northrup, N W cor

HYDRANTS—Continued.

Northern District.

Twenty-first and Quimby, N E cor
 Twenty-first and Savier, N 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-second and Northrup, S E
 cor
 Twenty-second and Pettygrove, S
 E cor
 Twenty-second and Savier, S E
 cor
 Twenty-second and Thurman, S E
 cor
 Twenty-second and Upshur, N E
 cor
 Twenty-second and Wilson, N E
 cor
 Twenty-second and York, N E cor
 Twenty-second and Nicolai, N E
 cor
 Twenty-third and Washington, N
 E cor
 Twenty-third and Flanders, S E
 cor
 Twenty-third and Glisan, S E cor
 Twenty-third and Hoyt, S E cor
 Twenty-third and Johnson, N E
 cor
 Twenty-third and Lovejoy, N E
 cor
 Twenty-third and Northrup, N W
 cor
 Twenty-third and Quimby, N W
 cor
 Twenty-third and Savier, N W cor
 Twenty-fourth and Washington,
 N W cor
 Twenty-fourth and Flanders, N E
 cor
 Twenty-fourth and Johnson, N E
 cor
 Twenty-fourth and Kearney, S W
 cor
 Twenty-fourth and Lovejoy, N W
 cor
 Twenty-fourth and Northrup, N
 W cor
 Twenty-fourth and Pettygrove, N
 W cor
 Twenty-fourth and Savier, N E
 cor
 Twenty-fifth and Hoyt, St. Vin-
 cent's Hospital
 Twenty-fifth and Johnson
 Twenty-fifth and Savier, N 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
 Thirty-fourth and Franklin, N W
 cor
 King and Wayne, S W cor
 St. Clare and Wayne, S W cor
 Rodney avenue and San Raphael
 Rodney avenue and Eugene
 Rodney avenue and Russell
 Rodney avenue and Sellwood
 Union avenue and Tillamook
 Union avenue and Sacramento
 Union avenue and Russell
 Union avenue and Stanton
 Union avenue and Morris

HYDRANTS—Continued.

Northern District.

Union avenue and Going
 Sixth and Beach
 Seventh and Tillamook
 Twelfth and Tillamook
 Fifteenth and Tillamook
 Nineteenth and Tillamook

SOUTHERN DISTRICT.

Macadam and Gaines, S W cor
 Macadam and Bancroft, S E cor
 Macadam and Lowell, S E cor
 Macadam and Florida, S E cor
 Macadam and Texas, S E cor
 10 hydrants between Texas and
 city limits, on east side Mac-
 adam street
 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 Hooker, S W cor
 Water and Grover, S E cor
 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 Abernethy, S E cor
 Corbett and Lowell avenue, S E
 cor
 Corbett and Hamilton, S E cor
 Front and Morrison, S E cor
 Front and Yamhill, N W cor
 Front and Taylor, N W cor
 Front and Salmon, S W cor
 Front and Main, S W cor
 Front and Madison, N W cor
 Front and Jefferson, N W cor
 Front and Columbia, S E cor
 Front and Market, S W cor
 Front and Lincoln, N W cor
 Front and Caruthers, S W cor
 Front and Meade, S E cor
 Front and Porter, N W cor
 Front and Gibbs, N E cor
 Front and Curry, N E cor
 Front and Lowell, S W cor
 Front and Hamilton, S E cor
 First and Morrison, N E cor
 First and Taylor, S W cor
 First and Main, N W cor
 First and Madison, S W cor
 First and Jefferson, N E cor
 First and Columbia, S W cor
 First and Clay, S W cor
 First and Market, S W cor
 First 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 Yamhill, S W cor
 Second and Salmon, S W cor
 Second and Lincoln, N W cor
 Second and Porter, N E cor
 Third and Yamhill, S W cor
 Third and Salmon, S W cor

HYDRANTS—Continued.

Southern District.

Third and Madison, S W cor	West Park and Mill, S W cor
Third and Clay, N W cor	West Park and Harrison, S W cor
Third and Market, S W cor	West Park and College, S W cor
Third and Sheridan, N E cor	Tenth and Morrison, N W cor
Third and Hooker, N E cor	Tenth and Yamhill, S W cor
Fourth and Yamhill, N E cor	Tenth and Salmon, N W cor
Fourth and Salmon, N E cor	Eleventh and Salmon, N W cor
Fourth and Madison, S E cor	Twelfth and Jefferson, N W cor
Fourth and Jefferson, N W cor	Thirteenth and Salmon, N W cor
Fourth and Harrison, N W cor	Thirteenth and Columbia, S E cor
Fourth and Lincoln, N W cor	Thirteenth and Montgomery, N W cor
Fourth and Sherman, S W cor	Fourteenth and Morrison, S W cor
Fourth and Sheridan, N W cor	Fourteenth and Taylor, N W cor
Fourth and Hooker, S E cor	Fourteenth and Main, S W cor
Fifth and Yamhill, S E cor	Fourteenth and Jefferson, S W cor
Fifth and Salmon, S W cor	Fourteenth and Clay, N W cor
Fifth and Main, S E cor	Fifteenth and Clay, N W cor
Fifth and Jefferson, S E cor	Fifteenth and Columbia, N W cor
Fifth and Columbia, S E cor	Fifteenth and Market, N W cor
Fifth and Grant, S W cor	Fifteenth and Mill, N W cor
Sixth and Morrison, S E cor	Sixteenth and Taylor, S E cor
Sixth and Yamhill, S E cor	Sixteenth and Montgomery, N E cor
Sixth and Clay, N E cor	Seventeenth and Jefferson, S E cor
Sixth and Harrison, S W cor	Seventeenth and Clay, N E cor
Sixth and Sherman, S E cor	Chapman and Morrison, S E cor
Sixth and Sheridan, N E cor	Chapman and Taylor, N E cor
Seventh and Morrison, S W cor	Chapman and Main, N W cor
Seventh and Market, S E cor	Chapman and Madison, N W cor
Seventh and Montgomery, N E cor	Chapman and Mill, N E cor
Seventh and Jackson, S E cor	Stout and Main, S W cor
Seventh and Lincoln, N E cor	Stout and Jefferson, N W cor
Seventh and Grant, N E cor	Ford and Main, N E cor
West Park and Morrison, N W cor	King and Park avenue, S W cor
West Park and Yamhill, S E cor	St. Clair and Park avenue, N E cor
West Park and Salmon, N W cor	Twentieth and Market - street Drive
West Park and Jefferson, N W cor	
West Park and Clay, N W cor	

HYDRANTS—Continued.

PORTLAND HEIGHTS.

Sixteenth and Elizabeth, N E cor	Twentieth and Laurel, N W cor
Chapman and Myrtle, S W cor	Twentieth and Jackson, S W cor
Chapman and Elizabeth, S W cor	Twentieth and Spring, N E cor

EAST PORTLAND DISTRICT.

Water and East Clay	Grand ave and East Morrison
Water and Hawthorne ave	Grand ave and East Washington
First and East Clay	Grand ave and Broadway
First and East Morrison	Sixth and Belmont
First and East Washington	Sixth and East Oak
First and East Oak	Sixth and East Pine
First and Holladay ave	Sixth and East Ankeny
Second and Halsey	Sixth and East Clackamas
Second and Multnomah	Seventh and East Grant
Third and East Mill	Seventh and East Harrison
Union ave and Ivon	Seventh and East Mill
Union ave and caruthers	Seventh and East Clay
Union ave and East Clay	Seventh and East Morrison
Union ave and East Morrison	Seventh and Multnomah
Union ave and East Alder	Eighth and Center
Union ave and East Washington	Eighth and Brooklyn
Union ave and East Oak	Eighth and East Sherman
Union ave and East Pine	Eighth and East Lincoln
Union ave and East Ankeny	Eighth and Stephens
Union ave and East Couch	Eighth and East Morrison
Union ave and East Davis	Eighth and East Pine
Union ave and East Glisan	Eighth and East Burnside
Union ave and Oregon	Eighth and Broadway
Union ave and Holladay ave	Ninth and East Sherman
Union ave and Multnomah	Ninth and East Clay
Union ave and Weidler	Ninth and Belmont
Grand ave and Taggart	Ninth and East Washington
Grand ave and East Lincoln	Ninth and East Davis
Grand ave and Stephens	Ninth and Holladay ave
Grand ave and East Clay	Ninth and Multnomah
Grand ave and East Salmon	Tenth and East Caruthers
Grand ave and East Yamhill	Tenth and East Market

HYDRANTS—Continued.

East Portland District.

Tenth and East Oak	Nineteenth and Oregon
Tenth and East Ankeny	Twentieth and East Morrison
Eleventh and East Sherman	Twentieth and East Irving
Eleventh and East Lincoln	Twenty-first and Bush
Eleventh and Stephens	Twenty-first and Powell
Eleventh and East Clay	Twenty-first and Brooklyn
Twelfth and Belmont	Twenty-first and Broadway
Twelfth and East Morrison	Twenty-second and East Taylor
Twelfth and East Washington	Twenty-second and East Stark
Twelfth and East Oak	Twenty-second and East Ankeny
Twelfth and East Pine	Twenty-sixth and Powell
Twelfth and East Ankeny	Twenty-sixth and Division
Twelfth and East Couch	Twenty-sixth and East Stark
Twelfth and Broadway	Twenty-sixth and East Ankeny
Thirteenth and Rhein	Twenty-eighth and Broadway
Thirteenth and Powell	Twenty-ninth and Gladstone
Fourteenth and Belmont	Thirtieth and East Ankeny
Fourteenth and East Pine	Thirty-first and East Pine
Fifteenth and Clinton	Thirty-third and Gladstone
Fifteenth and Broadway	Inman, Poulsen & Co.'s Mill and Yard, 3 hydrants
Sixteenth and East Main	Larrabee and Holladay ave
Sixteenth and East Morrison	Larrabee and Halsey
Sixteenth and East Ankeny	Larrabee and Dixon
Sixteenth and East Davis	Larrabee and Dupont
Eighteenth and Powell	Benton and Clackamas
Eighteenth and Clinton	Wheeler and Clackamas
Nineteenth and East Main	Ross and Cherry
Nineteenth and East Stark	Ross and Dixon

ALBINA DISTRICT.

Railroad and Randolph	Delay and Russell
Railroad and Russell	Mississippi ave and Russell
Goldsmith and Randolph	Mississippi ave and Stanton
Goldsmith and Albina ave	Mississippi ave and Fremont
Missouri ave and Fremont	Mississippi ave and Beach
Missouri ave and Failing	Mississippi ave and Shaver
Missouri ave and Mason	Mississippi ave and Skidmore
Missouri ave and Prescott	Borthwick and Fremont

HYDRANTS—Continued.

Albina District.

Borthwick and Shaver	Rodney ave and Russell
Borthwick and Knott	Rodney ave and Sellwood
Borthwick and Monroe	Union ave and Tillamook
Starr and Russell	Union ave and Sacramento
Commercial and Beach	Union ave and Russell
Vancouver ave and Russell	Union ave and Stanton
Vancouver ave and Cook	Union ave and Morris
Vancouver ave and Beach	Union ave and Going
Williams ave and Cherry	Sixth and Beach
Williams ave and Hancock	Seventh and Tillamook
Williams ave and Tillamook	Twelfth and Tillamook
Williams ave and Page	Fifteenth and Tillamook
Williams ave and Russell	Nineteenth and Tillamook
Williams ave and Sellwood	Randolph and Loring
Williams ave and Mason	Clark and Loring
Williams ave and Alberta	Albina and River, 100 feet south of N W cor Mill
Rodney ave and San Raphael	
Rodney ave and Eugene	

PIEDMONT DISTRICT.

Williams ave and Highland	Union ave and Mecbanic
Union ave and Ainsworth	Union ave and Killingsworth
Union ave and Oxford	Ethel and Ainsworth

SUNNYSIDE DISTRICT.

Thirty-first and East Taylor	Thirty-fourth and East Alder
Thirty-second and East Stark	Thirty-fourth and East Stark
Thirty-third and East Morrison	Thirty-fifth and East Madison
Thirty-fourth and Hawthorne ave	Thirty-fifth and East Taylor
Thirty-fourth and East Main	Thirty-fifth and East Morrison
Thirty-fourth and East Taylor	Thirty-sixth and East Main
Thirty-fourth and Belmont	Fortieth and East Taylor

HYDRANTS—Continued.

SELLWOOD DISTRICT.

Marion ave and Fourth	Umatilla ave and Ninth
Clackamas ave and Sixth	Umatilla ave and Tenth
Central ave and Fourth	Spokane ave and Fourth
Umatilla ave and Second	Spokane ave and Sixth
Umatilla ave and Fourth	Spokane ave and Eighth
Umatilla ave and Sixth	Spokane ave and Ninth
Umatilla ave and Eighth	Spokane ave and Tenth

MILWAUKIE ROAD.

Milwaukie and Ash	Milwaukie and Frederick
Milwaukie and Kingston	Milwaukie and Powell
Milwaukie and Baldwin Switch	Inside Power-House on Milwaukie
Milwaukie and Caywood	and Powell
Milwaukie and Rhone	

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 Colledge .....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 Stark .....20,000	Seventh and Oak .....15,000
Second and Alder .....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..
Twelfth and Johnson .....20,000	.....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.

CORPORATION YARD KEEPER'S REPORT

M. LAUDENKLOS, Assistant Chief Engineer.

Keeper of Corporation Yard.

Location, 329 North Twentieth Street.

INVENTORY.

Two second-class Amoskeag engines, in fair condition; 2 Silsby engines, worthless; 2 Silsby engines, in fair condition; 1 third-class Hayes truck, in good condition; 2 two-wheeled hose carts, in fair condition; 4 engine wheels, in fair condition; 4 hose carriage wheels, no good; 3 engine springs, no good; 10 doors; 1 cellar nozzle; 1 turret nozzle; 13 horse collars, no good; 40 feet old suction; 2 harness hangers; 1 truck pole; 1 engine pole; 2 buggy springs; 3 cistern covers; 1 bell and hanger; 36 Watrous hydrants; 2 Ludlow hydrants; 7 twelve-inch, 12 ten-inch, 19 six-inch, 15 four-inch sleeves; 53 four-inch gates; 14 large gate-covers; 47 small gate-covers; 44 gate wheels; 1 acid jar for chemical; 4 crocks for chemical; 4 door springs; 5 roof-cutters; 1 Hale hanger; 1 brass nozzle; 2 headlights; 12 rubber valves for C. J. engine; 4 rubber rings for same; 94 rubber valves for Ludlow hydrant; 12 rubber valves for old-style hydrant; 80 copper tubes; 2 pounds Seldon's packing.

REPORT OF SUPERINTENDENT OF FIRE ALARM TELEGRAPH

GEO. J. WALKER, Superintendent.

GUS BRILL, Assistant.

Portland, Oregon, January 1, 1899.

To the Honorable Fire Commissioners:

Gentlemen—I have the honor to submit for your consideration the seventeenth annual report of the Superintendent of Fire Alarm Telegraph, together with recommendations for such improvements as seem to be necessary. During the year the central office was moved from the Department Headquarters on Fourth street to the City Hall; the East Side office was moved from Engine No. 7's house to Chemical No. 3's house. Marble switch-boards and storage batteries were installed to take the place of the old wooden boards and gravity batteries. The service from these batteries and boards has been perfect, and has reduced the cost of maintenance about \$750.00 per year. We have had crosses with high potential currents four times this winter; in each instance the trouble was caused by pure carelessness on the part of telephone companies in running their wires. The damage was nominal, and we had no calls during the short time our lines were open. We have had a few troubles in receiving alarms, owing to the had condition of many of the boxes that have been in service for the past twenty years or more. Many of these we have had repaired the best we could with the means at our disposal, and they are now in fair working condition, although there is much that ought to be done to make them reliable. As these boxes are not absolutely non-interfering, I would recommend that they be made so; also that a device, in the form of a reliable shunt or switch, be provided to protect the box from high potential currents.

Our line work, with some exceptions, is in as good condition as aerial lines can be; however, we yet need some standard pole top fixtures, to be used where there are none now. All grounds and ground pipes should be removed from boxes on the poles. An insulating joint should be inserted in the pipe above each box, the pipes lined with insulating conduit, and new wire run therein. Another circuit should be provided in the East Portland district. At least twenty new boxes are needed to cover outlying districts and the business part of the city not now sufficiently protected. The boxes used in the business districts ought to be of the "keyless door type," so I would suggest

that a sufficient number of this type of boxes be purchased to take the place of those now in service, and the boxes we now have moved further out. The work here suggested, with a few minor changes, would put the Fire Alarm System in first-class condition. I desire to express my thanks to yourselves, Chief Campbell and the officers and members of the Department for the many courtesies extended and the interest taken in the Fire Alarm Service.

Respectfully,

GEO. J. WALKER,
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 Sixteenth.
- 28 Southeast corner Twelfth and Couch.
- 29 Southeast corner Twenty-second and Everett.
- 31 Southeast corner First and Mead.
- 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 Northeast corner Water and Harrison.
- 41 Southeast corner Twentieth and Johnson.
- 42 Southeast corner Twenty-second and Savier.
- 43 Southeast corner Seventeenth and Front.
- 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 Ash.
- 56 Southeast corner Eleventh and Main.
- 57 Southeast corner Seventeenth and Taylor.
- 58 Southeast corner West Main and Stout.

- 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 Hose Co. 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 Southwest corner Hood and Caruthers.
- 75 Southwest corner Second and Sheridan.
- 81 Engine Co. No. 5, Front, bet. Gibbs and Whittaker.
- 91 Northern Pacific Lumber Co.'s Mill Yard.
- 92 Cold Storage, North Front and Overton.
- *93 St. Vincent's Hospital, Twenty-fifth and Johnson.
- 123 Southeast corner Front and Salmon.
- 124 Southeast corner First and Hall.
- 125 Southeast corner Fourth and Mill.
- 126 Southeast corner First and Jefferson.
- 127 County Jail, Fourth and Salmon.
- 132 Truck Co. No. 5, Fourth, bet. Morrison and Yamhill.
- 134 Southeast corner Sixth and Salmon.
- 135 Southeast corner Sixth and Washington.
- *136 Hotel Portland, Office.
- 137 Southeast corner St. Clair and Park ave.
- 142 Southeast corner Third and Davis.
- 143 Steel Bridge, Office, "Combination Box."
- 145 Southeast corner Seventeenth and Kearney.
- 152 Morrison St. Bridge, Office, "Combination Box."
- 213 Northeast corner East Morrison and Water.
- 214 Northwest corner Hawthorne ave. and Water.
- 215 Northeast corner East Fifth and East Clay.
- 216 Northwest corner East Eleventh and Stephens.
- 217 Northwest corner Twelfth and East Morrison.
- 218 Northwest corner Twelfth and East Ankeny.
- 219 Northwest corner Ninth and East Oak.
- 231 Northwest corner Union ave. and East Oak.
- 234 Northwest corner East Fifth and East Morrison.
- 235 Southeast corner East Fifth and East Burnside.
- 236 Southeast corner East Fifth and Holladay ave.
- 237 Southeast corner Larrabee and Holladay ave.
- 238 Northwest corner Larrabee and Broadway.

- 241 Southeast corner East Ninth and East Davis.
 242 Southwest corner East Sixteenth and East Davis.
 243 Northwest corner East Sixteenth and East Morrison.
 * 245 Southwest corner East Twentieth and East Taylor.
 246 Northwest corner East Twenty-second and East Ankeny.
 251 Hose Co. No. 3, East Seventh, bet. Stephens and Harrison.
 253 Corner East Eleventh and Division.
 258 Southeast corner East Fifth and Division.
 259 Northwest corner East Eleventh and Beacon.
 *267 Southeast corner East Water and East Main.
 271 Southeast corner East Twenty-first and Powell.
 312 Southeast corner Russell and Railroad.
 314 Southwest corner Goldsmith and Mitchell.
 315 Northwest corner Mississippi ave. and Stanton.
 316 Southwest corner Williams ave. and Russell.
 317 Northeast corner Williams ave. and McMillen.
 318 Northwest corner Union ave. and San Rafael.
 319 Southwest corner Union ave. and Russell.
 321 Southeast corner Mississippi ave. and Fremont.
 324 Southeast corner Mississippi ave. and Mason.
 325 Northeast corner Williams ave. and Mason.
 326 Northeast corner Williams ave. and Fremont.
 327 Southwest corner Union ave. and Morris.
 329 Southeast corner East Fifteenth and Broadway.
 341 Russell st., opposite Borthwick.
 342 Northeast corner Williams ave. and Morris.
 345 Southeast corner Borthwick and Fargo.
 361 Southeast corner East Sixth and Halsey.

Note.—Boxes marked thus * are owned by the St. Vincent's Hospital, Hotel Portland the Standard Oil Co., respectively.

District numbers, which are struck from combination boxes located on the Steel Bridge and Morrison-street Bridge:

- District No. 145—Seventeenth and Kearney.
 District No. 146—Fifth and Irving.
 District No. 147—Freight Sheds, Seventh and Hoyt.
 District No. 148—Foot of Lovejoy.
 District No. 149—Weidler's Mill.
 District No. 152—Morrison-Street Bridge, Office.
 District No. 153—Foot of Salmon.
 District No. 154—Foot of Jefferson.
 District No. 156—Pennoyer's Mill.
 District No. 162—Foot of Stark.
 District No. 163—Foot of Pine.

- District No. 164—Foot of Vine.
 District No. 165—Burnside-Street Bridge, West Side.
 District No. 167—Foot of Flanders.
 District No. 172—Foot of Wilson.
 District No. 173—N. P. Lumber Company's Mill.
 District No. 254—Hogue's Mill.
 District No. 256—Madison-Street Bridge, East Side.
 District No. 257—Inman & Poulsen's Mill.
 District No. 263—Foot of Washington, East Side.
 District No. 264—Foot of East Oak.
 District No. 265—Burnside-Street Bridge, East Side.
 District No. 351—Steel Bridge, East Side.
 District No. 352—Foot of Broadway.
 District No. 354—Goldsmith and Mitchell.
 District No. 356—Albina Ferry, East Side Landing.
 District No. 357—Foot of Russell.
 District No. 358—Pacific Coast Grain Elevator Company, Site.

Auxiliary fire alarm numbers that are sent by the Portland Automatic Fire Alarm Company:

- 513 Goodyear Rubber Company, First and Oak.
 514 Rothchild Bros., No. 20 First.
 517 Closset & Devers, Burnside, bet. Second and Third.
 523 Olds & King, Fifth and Washington.
 526 Alisky Building, northwest corner Third and Morrison.
 527 Honeyman & DeHart.
 534 Mason, Ehrman & Co., Second and Pine.
 536 McCracken's Warehouse, Ninth and Irving.
 537 Blumauer-Frank Drug Co., No. 144 Fourth.

INVENTORY OF PROPERTY.

54 Miles aerial lines, including wire, iron brackets, insulators, pipe, etc.	\$ 7,135.00
112 Signal boxes	10,550.00
1 Tower bell and striker	3,000.00
2 Gamewell switchboards and batteries	3,000.00
5 Small tower bells	375.00
2 Whistles and blowers	950.00
8 Eighteen-inch Gamewell gongs	680.00
6 Fourteen-inch gongs	240.00
1 Fifteen-inch combination gong and indicator.....	185.00
1 Eleven-inch gong	25.00
5 Eight-inch gongs	200.00

3 Six-inch gongs	112.50
4 Vibrator bells	6.00
37 Horse unhitchers	555.00
190 Cells, Samson battery	190.00
6 Visual indicators	600.00
10 Tape registers	330.00
2 Automatic repeaters	950.00
1 Volt meter	75.00
4 Throw-over switches	10.00
1 Manual repeater and relays	75.00
2 Terminal boards and cabinet	200.00
1 Wheatstone bridge (old)	45.00
10 Small galvanometers	20.00
1 Large galvanometer	3.00
1 Relay bell and case	10.00
15 Pole top fixtures and lagscrews	19.75
400 Feet rubber-covered wire	4.40
1 Box case	6.00
1000 Feet line wire	5.00
10 C. E. W. switches	10.00
8 C. E. W. cutouts	8.00
3 Gang switches	15.00
2 Recall keys and bases	5.00
24 Circuit breakers .....	.50
24 Samson carbons	12.00
10 Samson zincs	1.50
6 Combination call bell sets	42.00
5 Pounds annunciator wire	1.50
43 Pony relays and cases	215.00
112 Push buttons, switch, etc.	22.40
1 W. U. key and case	3.00
1 Two-pole switch and case	3.00
1 Auxillary box, A. D. T.	15.00
2 Protectors	9.00
1 Knife switch .....	.50
1 Large case	5.50
1 Six-point combination switch	5.00
1 Two-point relay	10.00
75 Instruments, protectors and cases	375.00

TOOLS, FIXTURES, ETC.

1 Monkey wrench	\$ 1.00
1 Fourteen-inch Stilson wrench	2.00
1 Screwdriver	1.00

2 Hack saws	3.00
1 Plane	1.50
1 Brace	1.00
1 Brace attachment	1.00
1 Bitt	1.50
2 Hand vises	2.00
1 Large vise	6.00
1 Pair climbers	4.00
4 Chisels	2.00
1 Pair rubber gloves	2.00
2 Tool boxes	5.00
1 Lot shelving	5.00
1 Work bench	12.00
2 Six-inch pulley blocks	6.00
2 Three-inch pulley blocks	2.50
1 Wire reel	5.00
1 Gasoline torch	4.00
1 Alcohol torch	1.00
1 Funnel	1.00
1 Syringe	1.00
1 Table	3.00
2 Chairs	5.00
1 Step ladder	1.00
Total	\$30,401.05

FIREMAN'S
MUTUAL RELIEF ASSOCIATION
OF THE
PORTLAND FIRE DEPARTMENT

For the Year Ending December 31

1898

Organized May 9, 1883

OFFICERS:

H. S. ROWE, President.

WM. FLIEDNER, Treasurer.

MILTON WEIDLER, Secretary.

BOARD OF DIRECTORS:

H. S. ROWE.

RICHARD EVERDING.

WM. FLIEDNER.

DAVID CAMPBELL.

MILTON WEIDLER.

EXECUTIVE COMMITTEE:

Chief Engineer and Assistant Engineers.

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

REPORT OF SECRETARY
OF THE
FIREMAN'S MUTUAL RELIEF ASSOCIATION

Portland, Oregon, January 1, 1899.

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, 1898, 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,

MILTON WEIDLER.

RECEIPTS FOR 1898.

January 31, dues and fines	\$ 111.50	
February 28, dues and fines	91.00	
March 31, dues and fines	87.00	
April 30, dues and fines	82.00	
May 31, dues and fines	99.50	
June 30, dues and fines	77.50	
July 31, dues and fines	87.00	
August 31, dues and fines	97.00	
September 30, dues and fines	100.00	
October 31, dues and fines	100.50	
November 30, dues and fines	118.00	
December 31, dues and fines	77.30	
Interest on city warrants	21.25	
Donation	5.35	
Total receipts		\$1,154.90

DISBURSEMENTS FOR 1898.

February 5, warrant 674, F. McNamara, sick benefits.	\$ 33.32	
February 5, warrant 675, H. Youngferdorf, sick benefits	41.32	
February 5, warrant 676, Jos. Meagher, sick benefits..	41.32	
February 5, warrant 677, M. A. Malarkey, sick benefits	11.99	
February 5, warrant 678, P. Foline, sick benefits.....	9.33	
February 5, warrant 679, Wm. Stephens, sick benefits..	13.33	
February 5, warrant 680, C. Graff, sick benefits.....	3.99—	\$ 154.60
March 5, warrant 681, P. Foline, sick benefits.....	19.99	
March 5, warrant 682, B. Hohenleiter, sick benefits...	9.33	
March 5, warrant 683, H. Youngferdorf, sick benefits..	37.32	
March 5, warrant 684, T. Naurahl, sick benefits.....	9.99	
March 5, warrant 685, L. Favars, sick benefits.....	29.32—	105.95
April 5, warrant 686, L. Cone, sick benefits.....	39.99	
April 5, warrant 687, Wm. Daly, sick benefits.....	25.32	
April 5, warrant 688, L. Favars, sick benefits	2.66	
April 5, warrant 689, J. Parrott, sick benefits.....	30.66	
April 5, warrant 690, H. Youngferdorf, sick benefits..	41.32	
April 5, warrant 691, J. Hyde, sick benefits.....	10.66	
April 5, warrant 692, Wm. Smith, sick benefits.....	9.33—	159.94
May 5, warrant 693, E. Oliver, sick benefits.....	22.66	
May 5, warrant 694, C. H. Carter, sick benefits.....	18.66	
May 5, warrant 695, J. Parrott, sick benefits.....	25.33	
May 5, warrant 696, Thos. O'Dea, sick benefits.....	9.33	

May 5, warrant 697, Joe Morris, sick benefits.....	9.33	
May 5, warrant 698, Wm. Daley, sick benefits	3.99	
May 5, warrant 699, R. J. Jones, sick benefits.....	9.33	
May 5, warrant 700, C. C. Dobelbower, sick benefits..	9.33	
May 5, warrant 701, C. Graff, sick benefits.....	9.33	
May 5, warrant 702, E. Thayer, sick benefits.....	10.66—	127.95
June 5, warrant 703, E. Oliver, sick benefits.....	14.66	
June 5, warrant 704, J. C. Donough, sick benefits....	45.32	
June 5, warrant 705, B. Hohenleiter, sick benefits....	9.33	
June 5, warrant 706, Wm. Smith, sick benefits.....	18.66	
June 5, warrant 707, J. B. Stevens, sick benefits.....	9.33	
June 5, warrant 708, Wm. Wascher, sick benefits.....	9.33	
June 5, warrant 709, R. Collins, sick benefits.....	44.65	
June 5, warrant 710, St. Vincent's Hospital bill.....	74.00—	225.28
August 5, warrant 711, C. Donough, sick benefits.....	33.33	
August 5, warrant 712, H. Cherry, sick benefits.....	22.66	
August 5, warrant 713, J. W. Smith, sick benefits.....	38.66	
August 5, warrant 714, B. Hohenleiter, sick benefits..	9.33	
August 5, warrant 715, J. W. Smith, sick benefits.....	35.90	
August 5, warrant 716, A. E. Nesinger, sick benefits..	12.00—	151.88
September 6, warrant 717, P. Mellis, sick benefits....	21.30	
September 6, warrant 718, J. W. Smith, sick benefits..	40.00	
September 6, warrant 719, H. Cherry, sick benefits...	73.25—	134.55
October 5, warrant 720, P. Mellis, sick benefits.....	40.00—	40.00
November 5, warrant 721, H. Rubenstein, sick benefits	16.00	
November 5, warrant 722, W. N. St. Clair, sick benefits	9.35	
November 5, warrant 723, W. Brown, sick benefits....	9.35	
November 5, warrant 724, A. E. Austin, sick benefits..	29.35	
November 5, warrant 725, Ed Stocklen, sick benefits..	12.00—	76.05
December 5, warrant 726, R. Cullins, sick benefits....	40.00—	40.00
January 6, warrant 727, R. Cullins, sick benefits.....	41.35	
January 6, warrant 728, T. Parkinson, sick benefits..	12.00—	53.35
Total disbursements		\$1,269.55

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
1896	1,362.50	826.90
1897	1,074.02	1,097.42
1898	1,154.90	1,269.55
Balance on hand January 1, 1899.....		3,685.97
	<u>\$18,422.84</u>	<u>\$18,422.84</u>

BALANCE ON HAND.

Bills receivable, note secured by mortgage on lots 9, 10, 11, 12, block 6; lots 7, 15, 16, block 20; and lots 15, 16, block 5, Willamette Heights Addition, City of Portland.....	\$ 2,400.00
Cash in hands of treasurer	1,285.97
Total assets on-hand	<u>\$ 3,685.97</u>

SOURCES OF REVENUES FROM 1883 TO 1898, INCLUSIVE.

From dues and fines	\$15,792.07
From donations	955.85
From theater benefits	757.00
From interest	880.92
From miscellaneous sources	37.00
Total revenues	<u>\$18,422.84</u>

WATER COMMITTEE'S REPORT

RECEIPTS AND DISBURSEMENTS FROM JANUARY 1 TO MARCH
31, 1898.

GENERAL ACCOUNT.

1897—	
December 31, cash in hands of treasurer per report this date	\$ 48,826.99

RECEIPTS.

1898—		
January 31, cash from operating department.....	\$ 17,500.00	
February 28, cash from operating department....	16,500.00	
March 31, cash from operating department.....	16,000.00	
March 8, cash from A. L. and J. T. Parker, per L. T. Barin, attorney	100.00	50,100.00
Total		<u>\$ 98,926.99</u>

DISBURSEMENTS.

DISTRIBUTION SYSTEM.

Voucher 2180—St. Vincent's hospital, return of amount charged for main September 26, 1895.....	\$ 414.00	\$ 414.00
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RIGHTS OF WAY, LAND, ETC.

Part Voucher 2181—City water works, per certi- fied payrolls and vouchers.	26.50	
Part Voucher 2183—L. T. Barin, services as attor- ney in land cases, January 1 to March 31, 1898.....	75.00	101.50

GENERAL EXPENSE.

Part Voucher 2181—City water works, per certified payrolls and vouchers.	130.18	
Part Voucher 2182—City water works, per certified payrolls and vouchers.	203.44	
Part Voucher 2185—City water works, per certified payrolls and vouchers.	209.10	
Voucher 2184—Frank T. Dodge, services as clerk, January 1 to March 31, 1898	150.00	692.72

RESERVOIRS.

Part Voucher 2181—City water works, per certified payrolls and vouchers.	668.04	
Part Voucher 2182—City water works, per certified payrolls and vouchers.	650.58	
Part Voucher 2185—City water works, per certified payrolls and vouchers.	406.09	1,724.71

SUBMERGED PIPES.

Part Voucher 2181—City water works, per certified payrolls and vouchers.	34.00	
Part Voucher 2185—City water works, per certified payrolls and vouchers.	76.01	110.01
Total		\$ 3,042.94

RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer, December 31, 1897, as above	\$ 48,826.99	
Cash from operating department during quarter..	50,000.00	
Cash from A. L. and J. T. Parker, per L. T. Barin, attorney	100.00	\$ 98,926.99

DISBURSEMENTS.

Distribution system	414.00	
Rights of way, land, etc.	101.50	
General expense	692.72	
Reservoirs	1,724.71	
Submerged pipes	110.01	3,042.94
Balance in hands of treasurer March 31, 1898.		\$ 95,884.05

OPERATING ACCOUNT.

RECEIPTS.

Water rates, amounts earned and credited on the books.....	\$ 67,285.75	
Deduct amounts due from city for quarter	9,287.50	\$ 57,998.25
Tapping mains		28.00
Turning on water		57.50
Rent		15.00
		\$ 58,098.75

DISBURSEMENTS.

Pipe line	\$ 709.48	
Reservoirs	1,764.00	
Repairs to street mains	1,467.59	
General expense	1,920.38	
Office expense	1,418.95	
Books and stationery	95.53	
Meters	8.25	
Loose property	34.20	
Palatine pumping station	307.40	
	\$ 7,725.78	
Paid to general account, January 31, 1898	\$ 17,500.00	
Paid to general account, February 28, 1898	16,500.00	
Paid to general account, March 31, 1898	16,000.00	\$ 50,000.00
		57,725.78

WATER COMMITTEE'S REPORT.

Balance in hands of operating department	
March 31, 1898	\$ 372.97

HENRY FAILING,
Chairman Water Com.

FRANK T. DODGE, Clerk.
Portland, Oregon, March 31, 1898.

WATER COMMITTEE'S REPORT.

RECEIPTS AND DISBURSEMENTS FROM APRIL 1 TO JUNE 30, 1898.

GENERAL ACCOUNT.

1898—
March 31, cash in hands of treasurer, per report
this date \$ 95,884.05

RECEIPTS.

April 30, cash from operating department.....	\$ 17,000.00	
May 31, cash from operating department.....	17,500.00	
June 30, cash from operating department.....	20,000.00	\$ 54,500.00
		<u>\$150,384.05</u>

DISBURSEMENTS.

DISTRIBUTION SYSTEM.

Part Voucher 2186—City water works, per certified payrolls and vouchers..	\$ 159.42	\$ 159.42
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RESERVOIRS.

Part Voucher 2186—City water works, per certified payrolls and vouchers..	\$ 937.93	
Part Voucher 2187—City water works, per certified payrolls and vouchers.	532.16	
Part Voucher 2191—City water works, per certified payrolls and vouchers.	675.03	\$ 2,145.12

SUBMERGED PIPES.

Part Voucher 2186—City water works, per certified payrolls and vouchers..	\$ 125.00	
Part Voucher 2187—City water works, per certified payrolls and vouchers.	138.00	
Part Voucher 2191—City water works, per certified payrolls and vouchers.	158.00	\$ 421.00

RIGHTS OF WAY, LAND, ETC.

Voucher 2189—L. T. Barin, services attorney in land cases, April 1 to June 30, 1898.....	\$ 169.75	\$ 169.75
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GENERAL EXPENSES.

Part Voucher 2186—City water works, per certified payrolls and vouchers.	\$	206.00	
Part Voucher 2187—City water works, per certified payrolls and vouchers.		201.44	
Part Voucher 2191—City water works, per certified payrolls and vouchers.		211.58	
Voucher 2190—Frank T. Dodge, services as clerk, April 1 to June 30, 1898	\$	150.00	\$ 769.02

INTEREST ON BONDS.

Voucher 2188—Frank Hacheny, City Treasurer, amount deposited with him June 30, 1898, for paying semi-annual interest on \$2,900,000 bonds issued to date	\$	72,500.00	\$ 72,500.00
Total			\$ 76,164.31

RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer, March 31, 1898, as above	\$	95,884.05	
Cash from operating department during quarter.	54,500.00		\$150,384.05

DISBURSEMENTS.

Distribution system	\$	159.42	
Reservoirs		2,145.12	
Submerged pipes		421.00	
Rights of way, land, etc.		169.75	
General expense		769.02	
Interest on bonds	72,500.00		\$ 76,164.31
Balance in hands of treasurer, June 30, 1898..			\$ 74,219.74

OPERATING ACCOUNT.

Balance in hands of operating department, March 31, 1898	\$	372.97
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RECEIPTS.

Water rates, amounts earned and credited on the books	\$	71,611.05	
Deduct amount due from city for quarter	9,765.75		\$ 61,845.30
Tapping mains		108.00	
Turning on water		47.50	
Rent		15.00	\$ 62,015.80
			\$ 62,388.77

DISBURSEMENTS.

Pipe line	\$	702.93	
Reservoirs		1,709.50	
Repairs to mains		1,091.89	
General expense		2,036.83	
Office expense		1,415.81	
Books and stationery		189.62	
Meters		314.65	
Loose property		59.40	
Palatine pumping station		302.47	
			\$ 7,823.10
Paid to general account, April 30	\$	17,000.00	
Paid to general account, May 31		17,500.00	
Paid to general account, June 30	20,000.00		\$ 54,500.00
			\$ 62,323.10
Balance in hands of operating department, June 30, 1898			\$ 65.67

HENRY FAILING
Chairman Water Com.

FRANK T. DODGE, Clerk.
Portland, Oregon, June 30, 1898.

RECEIPTS AND DISBURSEMENTS FROM JULY 1 TO SEPTEMBER 30, 1898.

GENERAL ACCOUNT.

1898—		
June 30, cash in hands of treasurer, per report this date		\$ 74,219.74

RECEIPTS.

July 31, cash from operating department.....	\$ 20,500.00	
August 31, cash from operating department	20,000.00	
September 30, cash from operating department..	20,000.00	60,500.00
Total		\$134,719.74

DISBURSEMENTS.

SUBMERGED PIPES.

Voucher	2192—Oregon Iron & Steel Co., 32-inch cast-iron pipe for shore connections	\$ 5,329.86	
Part Voucher	2194—City water works, per certified payrolls and vouchers.	500.05	
Voucher	2195—Smyth & Howard, engineer's estimate No. 1, work per contract	7,410.00	
Part Voucher	2196—City water works, per certified payrolls and vouchers.	1,859.15	
Voucher	2198—Portland Iron Works, bands and reducers cast for shore connections	1,164.49	
Voucher	2199—Smyth & Howard, engineer's estimate No. 2, work per contract	8,644.18	
Part Voucher	2202—City water works, per certified payrolls and vouchers.	590.73	\$ 25,498.46

RESERVOIRS.

Part Voucher 2194—City water works, per certified payrolls and vouchers.\$	582.65	
Voucher 2196—G. H. Mendell, account services as consulting engineer	500.00	
Part Voucher 2197—City water works, per certified payrolls and vouchers.	407.56	
Part Voucher 2202—City water works, per certified payrolls and vouchers.	395.38	\$ 1,885.59

GENERAL EXPENSE.

Part Voucher 2194—City water works, per certified payrolls and vouchers.\$	256.27	
Part Voucher 2197—City water works, per certified payrolls and vouchers.	207.15	
Part Voucher 2202—City water works, per certified payrolls and vouchers.	201.50	
Voucher 2201—Frank T. Dodge, services as clerk, July 1 to September 30, 1898	150.00	\$ 814.92

DISTRIBUTION SYSTEM.

Voucher 2193—Oregon Iron & Steel Co., 12 and 14-inch cast-iron pipe for extending mains.....	\$ 1,064.02	
Part Voucher 2194—City water works, per certified payrolls and vouchers.	461.95	\$ 1,525.97

RIGHTS OF WAY, LAND, ETC.

Voucher 2200—L. T. Barin, services as attorney in land cases, July 1 to September 30, 1898	\$ 45.00	\$ 45.00
Total		\$ 29,769.94

RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer June 30, 1898, as above	\$ 74,219.74	
Cash from operating department during quarter.	60,500.00	\$134,719.74

DISBURSEMENTS.

Submerged pipes	\$ 25,498.46	
Reservoirs	1,885.59	
General expense	814.92	
Distribution system	1,525.97	
Rights of way, land, etc.	45.00	\$ 29,769.94
Balance in hands of treasurer September 30, 1898		\$104,949.80

OPERATING ACCOUNT.

Balance in hand of operating department, June 30, 1898	\$ 65.67
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RECEIPTS.

Water rates, amounts earned and credited on the books.....	\$ 79,101.30	
Deduct amount due from city for quarter	10,308.50	\$ 68,792.80
Tapping mains	43.00	
Turning on water	53.00	
Rent	15.00	\$ 68,903.80
		\$ 68,969.47

DISBURSEMENTS.

Pipe line	\$ 1,932.21	
Reservoirs	1,665.45	
Repairs to mains	866.23	
General expense	1,932.67	
Office expense	1,412.40	
Books and stationery	29.68	
Meters	55.30	
Loose property	237.10	
Palatine pump	321.29	
High-service pump	7.05	
	\$ 8,459.38	
Paid to general account July 31.....	\$ 20,500.00	
Paid to general account August 31...	20,000.00	
Paid to general account September 30	20,000.00	60,500.00 \$ 68,959.38
Balance in hands of operating department, September 30, 1898		\$ 10.09

HENRY FAILING,
Chairman Water Com.

FRANK T. DODGE, Clerk.
Portland, Oregon, September 30, 1898.

RECEIPTS AND DISBURSEMENTS FROM OCTOBER 1 TO DECEMBER 31, 1898.

GENERAL ACCOUNT.

1898—
September 30, cash in hands of treasurer, per re-
report this date \$104,949.80

RECEIPTS.

October 31, cash from operating department.....\$ 17,500.00
November 30, cash from operating department... 18,000.00
December 31, cash from operating department... 17,503.77 \$ 53,003.77
Total \$157,953.57

DISBURSEMENTS.

SUBMERGED PIPES.

Voucher 2203—Smyth & Howard, engineer's
estimate No. 3, work per
contract\$ 12,430.30
Part Voucher 2204—City water works, per certi-
fied payrolls and vouchers. 383.81
Voucher 2205—Smyth & Howard, engineer's
estimate No. 4, work per
contract 2,101.57
Part Voucher 2206—City water works, per certi-
fied payrolls and vouchers. 293.50
Part Voucher 2210—City water works, per certi-
fied payrolls and vouchers. 347.80 \$ 15,556.98

RESERVOIRS.

Part Voucher 2204—City water works, per certi-
fied payrolls and vouchers.\$ 764.93
Part Voucher 2206—City water works, per certi-
fied payrolls and vouchers. 729.45
Part Voucher 2210—City water works, per certi-
fied payrolls and vouchers. 549.78 \$ 2,044.16

GENERAL EXPENSE.

Part Voucher 2204—City water works, per certi-
fied payrolls and vouchers.\$ 233.85
Part Voucher 2206—City water works, per certi-
fied payrolls and vouchers. 215.00
Part Voucher 2210—City water works, per certi-
fied payrolls and vouchers. 203.55
Voucher 2209—Frank T. Dodge, services as
clerk, October 1 to Decem-
ber 31, 1895 150.00 \$ 802.40

DISTRIBUTION SYSTEM.

Part Voucher 2204—City water works, per certi-
fied payrolls and vouchers.\$ 146.16 \$ 146.16

RIGHTS OF WAY, LAND, ETC.

Voucher 2208—L. T. Barin, services as attor-
ney in land cases, October
1 to December 31, 1898.....\$ 95.00 \$ 95.00

INTEREST ON BONDS.

Voucher 2207—Frank Hacheney, City Treas-
urer, amount deposited with
him December 31, 1898, for
paying semi-annual interest
on \$2,900,000 bonds issued
to date\$ 72,500.00 \$ 72,500.00
Total \$ 91,144.70

RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer, September 30, 1898,
as above\$104,949.80
Cash from operating department during quarter.. 53,003.77 \$157,953.57

DISBURSEMENTS.

Submerged pipes	\$ 15,556.98	
Reservoirs	2,044.16	
General expense	802.40	
Distribution system	146.16	
Rights of way, land, etc.	95.00	
Interest on bonds	72,500.00	\$ 91,144.70
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Balance in hands of treasurer, December 31, 1898		\$ 66,808.87

OPERATING ACCOUNT.

Balance in hands of operating department, September 30, 1898.....	\$	10.09
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RECEIPTS.

Water rates, amounts earned and credited on the books.....	\$ 70,855.35	
Deduct amount due from city for quarter	9,239.00	\$ 61,616.35
Tapping mains		51.00
Turning on water		62.00
Rent		15.00
		\$ 61,744.35
		<hr/>
		\$ 61,754.44

DISBURSEMENTS.

Pipe line	\$ 873.62	
Reservoirs	1,749.88	
Repairs to street mains	2,122.56	
General expense	1,993.46	
Office expense	1,432.20	
Books and stationery	133.10	
Meters	26.50	
Loose property	95.10	
Palatine pumping station	310.25	
High-service pumping station	14.00	
		\$ 8,750.67
<hr/>		
Paid to general account, October 31..	\$ 17,500.00	
Paid to general account, November 30	18,000.00	
Paid to general account, December 31	17,503.77	\$ 53,003.77
		\$ 61,754.44

No money in hands of the operating department December 31, 1898.

H. W. CORBETT,
Chairman Water Com.

FRANK T. DODGE, Clerk.
Portland, Oregon, December 31, 1898.

CASH RECEIPTS AND DISBURSEMENTS OF THE OPERATING DEPARTMENT OF THE CITY WATER WORKS FOR THE YEAR ENDING DECEMBER 31, 1898.

CASH RECEIPTS.

Water rates	\$221,002.90
Sprinkling	12,710.90
Elevators	15,967.95
Building purposes	558.60
Multnomah Driving Association.....	12.35
Tapping mains	230.00
Turning on water.....	220.00
Rent of cottage, Tenth and Clifton street reservoir.....	60.00
Total	\$250,762.70

CASH DISBURSEMENTS.

Pipe line	\$ 4,218.24
Reservoirs	6,888.83
Repairs to street mains.....	5,548.27
General expense	7,883.34
Office expense	5,679.36
Books and stationery.....	497.23
Meters	355.40
Loose property	425.80
Palatine pumping station.....	1,241.41
High-service pumping station.....	21.05
Total	\$ 32,758.93
Net receipts, paid monthly to general account in 1898	\$218,003.77
	\$250,762.70

No money in hands of operating department at close of year.

SUMMARY.

Gross earnings of Water Works.....	\$289,363.45
Deduct due from city for water for fire department, etc.	38,600.75
Cash receipts as above.....	\$250,762.70

Cash disbursements as above.....	\$ 32,758.93
Add decrease in value of loose property, etc.....	624.62
Total for operation and repairs.....	33,383.55
Net income from Water Works.....	\$217,379.15
Loose property, meters, etc., on hand Dec. 31, 1897	7,757.49
	\$225,136.64
Paid to Treasurer—For interest on bonds.....	\$145,000.00
Surplus for construction, etc.	73,003.77
	218,003.77
Loose property, etc., on hand Dec. 31, 1898..	7,132.87

RECAPITULATION OF THE "INVENTORY OF PROPERTY, IMPLEMENTS AND MATERIAL" PERTAINING TO THE WATER WORKS IN POSSESSION OF THE OPERATING DEPARTMENT.

LOOSE PROPERTY.

On hand December 31, 1897.....	\$3,686.91
Purchased during 1898.....	425.80
	\$ 4,112.71
Expended in 1898, corporation cocks, boxes, etc.....	\$ 286.34
Depreciation of tools, horses and wagons	513.77
	800.11
Valuation of loose property on hand Dec. 31, 1898.....	\$ 3,312.60

METERS AND INDICATORS.

On hand December 31, 1897.....	\$3,445.17
Purchased during 1898.....	355.40
	\$ 3,800.57
Depreciation during 1898.....	380.05
Valuation of meters, etc., on hand December 31, 1898.....	\$ 3,420.52

FUEL FOR PUMPING STATIONS.

On hand at Palatine, Dec. 31, 1897, 160 cords wood, at \$3.10.....	\$ 496.00
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Used in 1898 for keeping pumps in order, 35 cords wood, at \$3.10.....	108.50	
On hand Dec. 31, 1898, 125 cords wood at \$3.10		\$ 387.50
On hand at high service Dec. 31, 1897, 2 cords wood, at \$2.50.....	5.00	
Purchased during 1898, 4 cords wood at \$3.50	14.00	
Total, 6 cords wood.....	\$ 19.00	
Used for keeping pumps in order, 2½ cords wood	6.75	
On hand Dec. 31, 1898, 3½ cords wood, at \$3.50		12.25
Valuation of fuel on hand Dec. 31, 1898.		399.75
Total valuation of all property, etc., on hand Dec. 31, 1898.....		\$ 7,132.87

SCHEDULE OF PROPERTY PURCHASED BY THE WATER COMMITTEE AND NOW IN ITS CHARGE.

	Acres.
Block 32, Seventh and Lincoln streets, Portland.....	1.00
Block 235, Tenth and Clifton streets, Portland.....	1.26
Block 150, Fourth and Market streets, Portland.....	.25
Tract near foot of Sherman street, Portland.....	.50
Tract near foot of Stephens street, Portland.....	.60
Tract near City Park, Portland.....	6.83
Tract near Palatine Hill, Multnomah County.....	21.00
Tract high-service reservoir, Mount Tabor, Multnomah County..	5.75
Tract low-service reservoir, Mount Tabor, Multnomah County....	10.00
Tract for standpipe near Lusted's, Multnomah County.....	.50
Tracts along pipe line and near head works, Multnomah and Clackamas Counties	4,120.00
Total	4,167.69

BOOKS OF THE CITY WATER WORKS.

Balance Sheet, December 31, 1898, Before Closing.

Ledger Folio.		
331—Water rates.....		\$ 221,002.90
474—Sprinkling		12,710.90
438—Elevators		15,967.95
392—Building purposes		558.60
526—Multnomah Driving Association.....		12.35
416—Tapping mains		230.00
370—Turning on water.....		220.00
396—Rent of cottage, Clifton street reservoir..		60.00
523—Municipal water rates.....		38,600.75
452—Pipe line	\$ 4,218.34	
462—Reservoirs	6,888.83	
482—Repairs to street mains.....	5,548.27	
442—General expense	7,883.34	
236—Office expense	5,679.36	
446—Books and stationery.....	497.23	
238—Office furniture	124.41	
165—Meters	3,800.57	
169—Loose property	4,112.71	
83—Palatine pumping station.....	1,737.41	
362—High-service pumping station.....	26.05	
224—Treasurer	996,428.16	
211—Cash		
522—City of Portland.....	235,695.60	
488—Profit and loss.....		983,276.73
	\$1,272,640.18	\$1,272,640.18

BALANCE SHEET AFTER CLOSING YEAR 1898.

169—Loose property	\$3,312.60	
165—Meters and indicators.....	3,420.52	
83—Palatine pumping station.....	387.50	
362—High-service pumping station..	12.25	\$ 7,132.87
224—Treasurer		851,428.16
522—City of Portland.....		235,695.60
Profit and loss.....		\$1,094,256.63
	\$1,094,256.63	\$1,094,256.63

BOOKS OF THE WATER COMMITTEE OF THE CITY OF PORTLAND, BALANCE SHEET, DECEMBER 31, 1898.

Ledger Folio.		
39—Income from water works.....	\$1,738,552.33	
11—Bonds	2,900,000.00	
9—Premium on bonds.....	222,200.70	
84—Interest on bonds.....	\$ 887,124.17	

COST OF PUMPING SYSTEMS AND ADDITIONS THERETO.

24—Water works purchased Dec. 31, 1886	\$464,551.81	
24—Deduct property sold	4,560.48—	\$459,991.33
24—East Portland Water Co. plant purchased Jan. 13, '97	45,000.00	
		\$504,991.33
35—New Palatine pump ..	\$ 74,097.72	
24—New high-service pump	22,097.49	
33—New Palatine force main ...	159,726.31	
28—New pumping apparatus ...	13,516.66	
60—Imp. real estate, 4th and Market	3,748.95—	\$273,187.13 \$ 778,178.46
56—Distribution system, extending street mains ..	573,862.88	

BULL RUN GRAVITY SYSTEM.

16—Surveys and explorations...\$	9,688.40
71—Land, rights of way, etc.	\$ 51,501.10
Credit ..	100.00— 51,401.10
23—Clearing and roads.....	33,046.35
21—Headworks on Bull Runriver	57,245.92
104—Steel plates for conduit.....	377,312.30

113—Manufacturing and laying ditto	569,945.72	
117—Bridges for steel conduit....	54,896.22	
112—Manufacturing and laying cast-iron conduit	288,588.70	
115—Submerged pipes across Willamette	120,586.22	
82—Reservoirs (4) including land	887,187.50	
142—Portland Heights supply, pumps, etc.	30,896.87	
61—Telephone line to headworks	7,261.51	
65—General expense.	\$52,877.55	
14—Legal expense....	8,825.91	
10—Office expense....	360.19	
20—Superintendence..	4,658.19—	66,721.84— \$2,554,786.65
75—Treasurer, balance in his hands Dec. 31, 1898	66,808.87	
		\$4,860,753.03 \$4,860,753.03

TOTAL RECEIPTS AND DISBURSEMENTS BY THE WATER COMMITTEE FOR THE YEAR ENDING DECEMBER 31, 1898.

1897.

Dec. 31—Balance in hands of Treasurer, per report this date.....	\$ 48,826.99
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RECEIPTS—INCOME FROM WATER WORKS.

Cash from operating department for first quarter of 1898.....	\$ 50,000.00	
Cash from operating department for second quarter of 1898.....	54,500.00	
Cash from operating department for third quarter of 1898.....	60,500.00	
Cash from operating department for fourth quarter of 1898.....	53,003.77	218,003.77

SUNDRIES.

March 18—Cash from A. L. and J. T. Parker, per L. T. Barin, attorney, claim in reserve abandoned, credited rights of way, etc.....	100.00
Total	\$ 266,930.76

DISBURSEMENTS.

CONSTRUCTION.

Submerged pipe	\$41,586.45	
Reservoirs..	7,799.58	
Distribution system	2,245.55	
Rights of way, land, etc..	411.25	
General expense	3,079.06	\$ 55,111.89

INTEREST ON BONDS.

Interest for year 1898 on \$2,900,000 bonds at 5 per cent.....	\$ 145,000.00	
Total disbursements		\$ 200,121.89
Balance in hands of Treasurer Dec. 31, 1898.....		\$ 66,808.87

STATEMENT

Of all the Earnings, Receipts and Disbursements by the Water Committee of the City of Portland, Oregon, and the Committee on Water Works, operating the works, from November 25, 1885, when the Committee was appointed by Act of the Legislature, until December 31, 1898.

EARNINGS AND RECEIPTS	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Totals	Totals	Grand Totals
Gross earnings of Water Works.....	\$ 97,502.71	\$ 113,692.06	\$ 148,106.31	\$ 181,310.40	\$ 233,217.95	\$ 261,330.77	\$ 231,222.72	\$ 214,668.16	\$ 207,222.62	\$ 249,919.90	\$ 268,926.10	\$ 289,363.45	\$ 2,600,157.10	\$	\$	\$
Deduct due from city for water for Fire Department, etc.....					24,000.00	24,029.42	31,721.40	33,229.00	35,729.00	33,848.05	37,065.15	38,600.75	235,695.60	.....	.....	.....
Cash receipts of Water Works.....	97,502.71	113,692.06	148,106.31	181,310.40	214,217.95	237,300.35	207,501.32	200,177.40	207,222.62	216,071.85	231,860.95	250,762.70	.....	.....	.....	.....
Deduct operating expenses and repairs.....	47,000.77	54,792.44	51,407.17	71,496.85	63,993.28	58,832.27	58,832.27	58,832.27	58,832.27	36,894.08	36,585.02	38,383.55	.....	.....	.....	.....
Deduct increase of property in hands of operating department.....	50,501.94	58,899.62	96,699.14	109,813.55	150,224.67	178,488.56	178,488.56	178,488.56	178,488.56	179,177.77	195,275.93	217,879.15	.....	.....	.....	.....
Net income from Water Works.....	3,277.31	3,170.03	322.98	8,515.49	2,928.86	1,400.13	1,400.13	1,400.13	1,400.13	12,177.77	13,840.71	624.62	.....	.....	.....	.....
Deduct interest on bonds.....	47,224.63	55,729.59	96,376.16	101,298.06	147,293.31	177,064.45	177,064.45	177,064.45	177,064.45	167,000.00	209,116.64	218,003.77	.....	.....	.....	.....
Net earnings used for extending mains and construction.....	25,000.00	25,000.00	30,000.00	33,750.00	35,000.00	35,000.00	35,000.00	35,000.00	35,000.00	145,000.00	145,000.00	145,000.00	.....	.....	.....	.....
Water bonds sold.....	500,000.00	22,224.63	30,729.59	66,376.16	67,548.06	112,296.31	142,068.45	142,068.45	142,068.45	22,000.00	64,116.64	73,003.77	.....	.....	.....	.....
Premium on bonds.....	39,300.00			5,908.20	9,750.00								.....	.....	.....	.....
Totals.....	539,300.00	22,224.63	30,729.59	172,284.36	177,298.06	112,296.31	142,068.45	142,068.45	142,068.45	22,000.00	64,116.64	73,003.77	.....	.....	.....	3,973,628.86
DISBURSEMENTS																
Water Works purchased.....	464,551.81											45,000.00		509,551.81		
Additional pumps and main from Palestine.....			12,279.00	42,026.85	192,322.78	26,558.44								273,187.13		
Deduct property sold.....	464,551.81		12,279.00	42,026.85	192,322.78	26,558.44						45,000.00		782,738.94		
Net cost of pumping system.....	500.00		1,500.00	100.00	16.00	834.48	300.00	355.00			1,685.00			4,560.48		
Distribution system, extending mains.....	464,551.81		10,779.06	41,926.85	192,306.78	25,723.96						45,000.00		a 778,178.46		
BULL RUN GRAVITY SYSTEM																
Surveys and explorations.....	7,850.73			424.00		630.70	272.57	507.40						9,688.40		
Land, riparian rights and rights of way.....	936.85		23,336.01	337.00		12,820.73	1,213.35	1,744.40			1,385.90	3,113.46	311.25	51,401.10		
Clearing and roads.....	125.00	324.25				41.60	16,574.09	15,732.11						33,046.35		
Head works on Bull Run river.....	7,180.10	2,499.89	1,500.00					38,406.33			749.78			57,245.92		
Steel plates for conduit, head works to Mt. Tabor, 24 miles.....								169,998.20						377,312.30		
Manufacturing and laying ditto.....								216,524.73						569,945.72		
Bridges for conduit across Sandy and Bull Run rivers.....								10,551.30	44,334.86		10.00			54,896.22		
Manufacturing and laying cast iron conduit, Mt. Tabor to Park, 6 miles.....								837.33	261,051.42					288,588.70		
Submerged pipe across Willamette river.....								4.03	63,884.47			201.29	41,586.45	120,586.22		
Reservoirs (4) including land.....			579.76		962.90	21,078.25	41,380.73	678,134.29			9,003.94	5,630.96	7,799.58	887,187.50		
Portland Heights supply, water power pumps, etc.....									7,349.09		799.20			30,896.87		
Telephone line to head works, 30 miles.....								6,300.00	401.51					7,261.51		
General expenses.....	4,223.36	16,832.43	2,136.29	1,760.45	1,095.92	5,076.07	853.05	10,187.64	10,797.06	6,262.50	2,236.88	2,179.53	3,079.06	66,721.84		
Totals.....	\$ 485,427.85	\$ 53,596.23	\$ 52,024.85	\$ 159,098.52	\$ 201,259.24	\$ 99,633.04	\$ 145,156.88	\$ 27,712.36	\$ 269,777.13	\$ 70,259.98	\$ 63,979.30	\$ 55,021.89	\$ 83,906,819.99	\$	\$	\$

Amounts invested are: \$778,178.46, for purchase of pumping systems and additions; \$573,862.88 for extending distribution system; \$2,554,778.65 for Bull Run Gravity System, and \$66,908.87 balance as above.
 * After deducting from account "Premium on Bonds" \$7,500, being 2 1/2 per cent discount on \$300,000 bonds sold in 1893.
 † After deducting from account "Steel Plates" \$1,262.68 for steel plates sold in 1895.
 a After deducting from account "Water Works" amounts received for property sold as above.
 b Add for decrease of property in hands of operating department.

Balance in the hands of Treasurer, December 31, 1898. Appropriated for construction during 1899..... 66,808.87

\$3,973,628.86

SUMMARY.

Total amount of investment up to Dec. 31, 1897			\$3,900,625.09
Deduct funds in hands of Treasurer, Dec. 31, 1897, appropriated for use in 1898 for laying an additional submerged pipe and other construction purposes			48,826.99
			<hr/>
Amount invested in plant up to Dec. 31, 1897			\$3,851,798.10
Disbursements during 1898, as above	\$200,121.89		
Less refunded and credited to rights of way, etc.....	100.00	\$ 200,021.89	
Less interest on bonds.....		\$ 145,000.00	55,021.89
			<hr/>
Amount invested in plant up to Dec. 31, 1898			\$3,906,819.99
And funds in hands of Treasurer Dec. 31, 1898, appropriated for use during 1899 in completing the additional submerged pipe, and for other general construction purposes...			66,808.87
			<hr/>
Total amount of investment up to Dec. 31, 1898.....			\$3,973,628.86
The above amount has been realized as follows:			
Water bonds sold—			
700 bonds (1 to 700) dated Jan 1, 1887, maturing Jan. 1, 1917.....		\$ 700,000.00	
2,200 bonds (1 to 2,200) dated July 1, 1893, maturing July 1, 1923.....		\$2,200,000.00	
			<hr/>
Total outstanding debt to date at 5 per cent interest		\$2,900,000.00	
Premium on bonds.....		222,200.70	
Net income from water works...\$1,738,552.33			
Less interest on bonds.....	887,124.17	851,428.16	
			<hr/>
			\$3,973,628.86

W. H. CORBETT,

Chairman of the Water Committee of the City of Portland, Or.

FRANK T. DODGE, Clerk.

Portland, Oregon, December 31, 1898.

