

# MAYOR'S ANNUAL MESSAGE.

Mayor's Office,

Portland, Oregon January 4, 1898.

Gentlemen of the Portland Common Council:

I herewith submit for your consideration the following statements and suggestions. I give a comparative statement of receipts and expenditures for 1896 and 1897:

## RECEIPTS.

	1896.	1897.
Taxes .....	\$264,327.44	\$248,044.71
Taxes, delinquent .....	12,846.20	35,885.53
General licenses .....	131,975.70	123,163.95
Municipal court .....	5,240.90	3,436.80
Miscellaneous .....	15,108.09	6,093.51
	<u>\$429,498.33</u>	<u>\$416,624.51</u>

## EXPENDITURES.

	1896.	1897.
Mayor and council .....	\$ 16,085.50	\$ 16,000.00
Auditor's department .....	9,867.36	9,757.41
Treasurer's department .....	4,322.55	4,586.92
City Attorney's department .....	11,052.29	10,661.38
City Surveyor's department .....	9,645.52	9,943.17
Superintendent of Streets' department.....	20,988.20	23,726.99
Municipal Court .....	4,637.50	4,643.75
Inspector of Plumbing .....	1,873.45	1,219.50
Poundmaster's department .....	3,523.62	3,346.12
Health department .....	1,753.20	2,961.90
Working city prisoners .....	584.75	.....
Harbor Policeman .....	796.75	1,383.40
Boiler Inspector .....	481.62	.....
City Park and grounds.....	8,598.76	9,201.45
City Hall expense .....	8,857.67	6,608.10
New crematory .....	7,500.00	17,170.79
Garbage crematory .....	11,432.50	9,509.78
Operating steel bridge .....	.....	2,296.15

License Inspector .....		686.40
Building Inspector .....		300.00
Miscellaneous .....	11,193.45	2,655.88
Interest on warrants .....	5,002.62	7,264.65
Lighting streets .....	78,947.81	88,276.63
Street Cleaning department .....	32,250.40	40,065.11
Fire department .....	101,827.17	102,798.26
Police department .....	73,298.06	71,757.01
Repayment 2-mill tax .....		48,246.68
Interest bonded debts .....	92,456.75	104,121.66
	\$516,982.25	\$599,187.09
Excess of expenditures .....	87,483.92	182,562.56

The expenditures of 1897, as will be seen, exceed those of 1896 by \$82,204.84, but when there is deducted:

Repayment of 2-mill tax .....	\$ 48,246.68
Excess of interest on bonded debt .....	15,758.18
Excess of interest on warrants .....	2,272.07
Excess of payment on new crematory .....	9,869.97
Increase cost of street lighting .....	9,328.82
Increase cost of street cleaning .....	7,814.71

Aggregating .....

\$ 93,290.39

It will be seen that the ordinary expenses of running the city government for 1897 have been less in the main than those of 1896, except in regard to street lighting and street cleaning, which are becoming its most extravagant features.

TABLE SHOWING EXPENDITURES FROM FUNDS NAMED FOR PAST SEVEN YEARS.

Year	General Fund	Fire Department Fund	Police Fund	Street Cleaning and Sprinkling Fund	Street Lighting Fund	Interest (Not including Water Bonds)
1891...	\$142,923.37	\$124,644.65	\$ 85,490.53	\$ 68,816.00	\$ 40,018.81	\$ 28,465.00
1892...	176,434.94	141,915.35	107,703.11	49,065.48	67,663.57	36,487.25
1893...	172,683.09	150,558.09	119,196.43	61,921.40	75,007.89	47,822.99
1894...	186,504.24	132,777.66	103,993.62	53,462.75	83,490.83	62,374.03
1895...	188,054.07	99,594.07	86,318.33	47,370.80	81,098.71	66,464.56
1896...	133,199.44	100,001.69	71,318.94	30,158.40	75,706.23	119,760.70
1897...	136,659.09	100,000.54	71,692.41	38,829.90	86,008.59	117,751.88

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

In 1891 .....	\$490,358.36
In 1892 .....	579,269.70
In 1893 .....	627,189.89
In 1894 .....	622,604.13
In 1895 .....	568,790.81
In 1896 .....	530,145.40
In 1897 .....	550,942.41

Warrants outstanding:

January 1, 1895 .....	\$110,972.62
January 1, 1896 .....	150,871.57
January 1, 1897 .....	240,330.07
January 1, 1898 .....	397,245.70

Cash on hand:

January 1, 1895 .....	\$ 35,243.62
January 1, 1896 .....	78,660.60
January 1, 1897 .....	66,438.20
January 1, 1898 .....	40,659.80

Delinquent taxes:

January 1, 1894—Levy of 1893 .....	\$ 22,200.57
January 1, 1895—Levy of 1894 .....	37,712.67
January 1, 1896—Levy of 1895 .....	91,051.87
January 1, 1897—Levy of 1896 .....	60,328.14
January 1, 1898—Levy of 1897 .....	123,762.63

Of the \$211,292.74 delinquent taxes previous to 1897, the sum of \$49,681.24 has been collected, leaving a net delinquency for 1893-4-5-6 of \$161,611.50, to which add the delinquency for 1897, making a total of \$285,374.13.

Portland's bonded indebtedness:

Old city bonds .....	\$ 56,500.00
Albina bonds .....	150,000.00
East Portland bonds .....	300,000.00
City Hall bonds .....	675,000.00
Water bonds .....	2,900,000.00
Bridge bonds .....	700,000.00
Ferry bonds .....	50,000.00
Street improvement bonds .....	126,037.70
	\$4,957,537.70

The City Hall, water, bridge and ferry bonds bear 5 per cent.; the others 6 per cent. interest. The annual interest debt is \$254,208. The

\$350,000 5 per cent. bonds issued by the Port of Portland Commission are not really city bonds.

The floating indebtedness, less cash in the treasury, was on:

January 1, 1895.....	\$ 73,895.16
January 1, 1896.....	72,204.97
January 1, 1897.....	173,894.87
January 1, 1898.....	356,586.39

Of course, this large increase in the floating indebtedness of the city is due to its inability, through a decision of the supreme court of Oregon, to raise revenue by ordinary taxation sufficient to pay its expenses.

The city government not only could prevent further augmentation of the floating debt, but it could also provide for its extinguishment, by laying a license tax upon all vocations of its citizens. A license tax is a most unjust tax, and its greatest injustice exists when it is levied upon some and not upon all vocations. To levy it upon all callings as nearly as possible in proportion to their profits would relieve it of its most unjust features. Now in Portland, the poor expressman, who makes barely sufficient to feed his family and his horse, pays a license tax, while the rich owner of the coach and pair pays none; and the pawnbroker, who deals with the most impoverished class, pays a license, which really comes from the poverty-stricken, while the rich banker, whose dealings are only with the rich, pays none. To speak quite mildly, such taxation is a most flagrant outrage upon justice.

NEEDED CHARTER CHANGES.

First—A reduction of interest on city warrants to 5 per cent., thus preventing excuse for debt-funding, and allowing interest to be paid to small holders at home, instead of to large holders abroad.

Second—Compelling the licensing of every calling, if any license tax at all be collected.

Third—Providing for city lighting through municipal ownership, as the reliable statistics furnished in my last message showed that thereby a saving of about one-half can be effected.

Fourth—Providing for the collection of assessments for street improvements from the street-car companies in the same effective manner as from adjacent property-owners.

Fifth—Reducing salaries of all city officers to meet the reduced ability of the taxpayers.

Sixth—The abolition of all commissions and the giving to the mayor alone the appointment of one Water Commissioner to exercise the functions of the commission now existing.

Seventh—Giving to the city the full control of the bridges which it now owns.

Eight—Conferring upon the Superintendent of Street Cleaning and Sprinkling the full power to select his own employes or to supervise the work if let by contract.

Ninth—Providing for securing from property-owners payments justly due for street improvements, which through alleged irregularity are now uncollectible in the courts.

SYLVESTER PENNOYER,  
Mayor.

# AUDITOR'S ANNUAL REPORT

For the Year ending December 31, 1897.

## GENERAL FUND.

Balance in fund December 31, 1896.....		\$ 46,260.38
Received from:		
Tax roll 1897.....	\$186,033.54	
Delinquent taxes .....	21,712.51	
General licenses (87½ per cent.).....	104,757.60	
Dog licenses .....	3,441.00	
Costs on delinquent street and sewer assessments.	1,229.35	
Poundmaster—fees .....	726.75	
Redemption of property .....	228.14	
Rent of offices, new City Hall.....	452.50	
Transferred from sundry improvement funds.....	309.49	
Transferred from sundry sewer funds.....	1,055.86	
Rent of block 132.....	1,500.00	
City and Suburban Railway Co.—damage to cart.	12.13	
Rent of park, Albina.....	50.00	
Sale of safe .....	75.00	
Sale of tool house.....	2.50	
Contractors—penalties imposed .....	262.50	
Sale of certificate of sale—improvement Third street .....	150.00	\$321,998.87
		<u>\$368,259.25</u>

## CONTRA.

Transferred to:		
Bonded indebtedness interest fund.....	\$114,040.00	
Fund for repayment 2-mill tax.....	46,272.10	
Street improvement funds .....	139.95	
Lamp fund .....	37,687.23	
Improvement bond interest fund.....	1,790.00	
Interest paid on warrants .....	7,264.65	
Warrants paid and returned to December 31, 1897.	156,040.83	
Balance in fund December 31, 1897.....	5,024.49	
		<u>\$368,259.25</u>

## AUDITOR'S REPORT.

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## WARRANTS DRAWN.

Warrants drawn on account of general fund, to		
December 31, 1897 .....	\$136,659.09	
Warrants outstanding December 31, 1896.....	98,680.53	
		<u>\$235,339.62</u>
Warrants paid and returned to December 31, 1897.	\$156,040.83	
Warrants outstanding December 31, 1897.....	79,298.79	
		<u>\$235,339.62</u>

(Note.—For detailed statement of warrants drawn, see page 32.)

## FIRE DEPARTMENT FUND.

Balance in fund December 31, 1896.....		\$ 1,425.20
Received from:		
Tax roll 1897.....	\$ 62,011.17	
Delinquent taxes .....	9,426.38	
Sale of old hose.....	19.80	
Rent of engine—pumping basement.....	11.00	
Exempt certificates .....	4.00	
Account of warrant .....	.50	
Sale of supplies .....	4.00	\$ 71,476.85
		<u>\$ 72,902.05</u>

## CONTRA.

Warrants paid and returned to December 31, 1897.	\$ 67,736.93	
Interest paid on warrants.....	2,797.72	
Balance in fund December 31, 1897.....	2,367.40	
		<u>\$ 72,902.05</u>

## WARRANTS DRAWN.

General expenses Fire department.....	\$100,000.54	
Warrants outstanding December 31, 1896.....	33,663.04	
		<u>\$133,663.58</u>
Warrants paid and returned to December 31, 1897.	\$ 67,736.93	
Warrants outstanding December 31, 1897.....	65,926.15	
Warrants cancelled .....	.50	
		<u>\$133,663.58</u>

(Note.—For a detailed statement of warrants drawn, see page 36.)

## POLICE DEPARTMENT FUND.

Balance in fund December 31, 1896.....	\$ 237.36	
Received from Delinquent taxes .....	2,302.16	
		<u>\$ 2,539.52</u>

## AUDITOR'S REPORT.

## CONTRA.

Warrants paid and returned to December 31, 1897.	\$ 1,494.94	
Interest paid on warrants.....	64.60	
Balance in fund December 31, 1897.....	979.98	
		\$ 2,539.52

## WARRANTS DRAWN.

General expenses Police department.....	\$ 71,692.41	
Warrants outstanding December 31, 1896.....	47,041.29	
Error in outstanding warrants December 31, 1896.	10.00	
		\$118,743.70
Warrants paid and returned to December 31, 1897.	\$ 1,494.94	
Warrants outstanding December 31, 1897.....	117,248.76	
		\$118,743.70

(Note.—For a detailed statement of warrants drawn, see page 36.)

## STREET CLEANING AND SPRINKLING FUND.

Balance in fund December 31, 1896.....	\$ 71.21	
Received from:		
Municipal Court—fines and costs.....	\$ 3,436.80	
General business licenses (12½ per cent.).....	14,965.35	\$ 18,402.15
		\$ 18,473.36

## CONTRA.

Warrants paid and returned to December 31, 1897.	\$ 15,559.75	
Interest paid on warrants .....	1,235.21	
Balance in fund December 31, 1897.....	1,678.40	
		\$ 18,473.36

## WARRANTS DRAWN.

General expenses Street Cleaning and Sprinkling department .....	\$ 38,829.90	
Warrants outstanding December 31, 1896.....	25,423.50	
		\$ 64,253.40
Warrants paid and returned to December 31, 1897.	\$ 15,559.75	
Warrants outstanding December 31, 1897.....	48,693.65	
		\$ 64,253.40

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

## EAST PORTLAND WATER FUND.

Balance in fund December 31, 1896.....	\$ 16.35
Balance in fund December 31, 1897.....	\$ 16.35

## AUDITOR'S REPORT.

## WARRANTS.

Warrants outstanding December 31, 1896.....	\$ 16.35
Warrants outstanding December 31, 1897.....	\$ 16.35

## EAST SIDE WATER EXPENSE FUND.

Balance in fund December 31, 1896.....	\$ 1.90
Balance in fund December 31, 1897.....	\$ 1.90

## WARRANTS.

Warrants outstanding December 31, 1896.....	\$ 1.90
Warrants outstanding December 31, 1897.....	\$ 1.90

## WILLAMETTE RIVER FUND.

Balance in fund December 31, 1896.....	\$ 8.71
Balance in fund December 31, 1897.....	\$ 8.71

## WARRANTS.

Warrants outstanding December 31, 1896.....	\$ 4.75
Warrants outstanding December 31, 1897.....	\$ 4.75

## LAMP FUND.

Balance in fund December 31, 1896.....	\$ 90.77
Received by transfer from general fund.....	37,687.23
	\$ 37,778.00

## CONTRA.

Warrants paid and returned to December 31, 1897.	\$ 35,499.96
Interest paid on warrants.....	2,268.04
Balance in fund December 31, 1897.....	10.00
	\$ 37,778.00

## WARRANTS DRAWN.

Lighting City of Portland.....	\$ 86,008.59
Warrants outstanding December 31, 1896.....	35,501.71
	\$121,510.30
Warrants paid and returned to December 31, 1897.	\$ 35,499.96
Warrants outstanding December 31, 1897.....	86,010.34
	\$121,510.30

AUDITOR'S REPORT.

INTEREST FUND, BONDED INDEBTEDNESS.

Balance in fund December 31, 1896.....	\$ 18,353.28
Received from delinquent taxes .....	441.40
Received from general fund by transfer.....	114,040.00
	<u>\$132,834.68</u>

CONTRA.

Coupons paid and returned as follows:

Bonded indebtedness, Portland .....	\$ 37,115.00
Bonded indebtedness, East Portland.....	18,870.00
Bonded indebtedness, Albina .....	9,060.00
Bonded indebtedness, bridge and ferry bonds.....	37,075.00
Warrants paid and returned to December 31, 1897.	211.66
Balance in fund December 31, 1897.....	30,503.02
	<u>\$132,834.68</u>

WARRANTS DRAWN.

New York exchange .....	\$ 211.66
Warrants paid and returned to December 31, 1897.	\$ 211.66

FIRE BADGE REDEMPTION FUND.

Balance in fund December 31, 1896.....	\$ 76.00
Fire badge redeemed .....	1.00
Balance in fund December 31, 1897.....	\$ 75.00

BOULEVARD FUND.

Balance in fund December 31, 1896.....	\$ 217.77
Balance in fund December 31, 1897.....	\$ 217.77

WATER BONDS INTEREST FUND.

Balance in fund December 31, 1896.....	\$ 73,825.00
Received from Water Committee.....	145,000.00
	<u>\$218,825.00</u>

CONTRA.

Coupons paid and returned to December 31, 1897..	\$146,100.00
Balance in fund December 31, 1897.....	72,725.00
	<u>\$218,825.00</u>

LITIGATION FUND.

Balance in fund December 31, 1896.....	\$ 13.04
Received by warrants from general fund.....	900.00
	<u>\$ 913.04</u>

AUDITOR'S REPORT.

CONTRA.

Expense of litigation as per returned vouchers....	\$ 908.58
Balance in fund December 31, 1897.....	4.46
	<u>\$ 913.04</u>

IMPROVEMENT FUND.

Balance in fund December 31, 1896, as follows:

Deposits with Security Savings and Trust Co....	\$ 9,236.82
Cash in treasury .....	1,528.36
	<u>\$ 10,765.18</u>
Received from payment of bonded liens.....	9,109.94
	<u>\$ 19,875.12</u>

CONTRA.

Deposited with Ladd & Tilton.....	\$ 19,875.12
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IMPROVEMENT BOND INTEREST FUND.

Balance in fund December 31, 1896.....	\$ 653.62
Received interest on bonded liens .....	3,763.69
Received by transfer from street and sewer interest fund .....	\$ 836.81
Received by transfer from general fund.....	1,790.00
	<u>\$ 7,044.12</u>

CONTRA.

Improvement bond coupons paid and returned to December 31, 1897 .....	\$ 5,883.27
Balance in fund December 31, 1897.....	1,160.85
	<u>\$ 7,044.12</u>

EAST ALDER STREET SEWER INTEREST FUND.

Balance in fund December 31, 1896.....	\$ 129.71
Interest paid on warrants to December 31, 1897....	129.71

STREET IMPROVEMENT FUNDS.

Total balances in funds December 31, 1896.....	\$ 7,822.42
Received from collections.....	88,325.88
Received by transfer from general fund.....	139.95
	<u>\$ 96,288.25</u>

CONTRA.

Total expenditures for street improvements.....	\$ 87,527.14
Transfer to general fund.....	309.49½
Total balances in funds December 31, 1897.....	8,451.61½
	<u>\$ 96,288.25</u>

## AUDITOR'S REPORT.

## SEWER FUNDS.

Total balances in funds December 31, 1896.....	\$ 1,651.04	
Received from collections .....	9,034.00	
		\$ 10,685.04

## CONTRA.

Total expenditures for sewers.....	\$ 8,408.49	
Transfer to general fund.....	1,055.86	
Total balances in funds December 31, 1897.....	1,220.69	
		\$ 10,685.04

## STREET EXTENSION FUNDS.

Total balances in funds December 31, 1896.....	\$ 2,579.41	
Received from collections .....	1,721.73	
		\$ 4,301.14

## CONTRA.

Total expenditures for street extensions.....	\$ 1,385.90	
Total balances in funds December 31, 1897.....	2,915.24	
		\$ 4,301.14

## FUND FOR REPAYMENT OF TWO-MILL TAX.

Received by transfer from general fund.....	\$ 46,272.10	
Received from collections .....	2,003.08	
		\$ 48,275.18

## CONTRA.

Warrants paid and returned to December 31, 1897.....	\$ 48,178.67	
Balance in fund December 31, 1897.....	96.51	
		\$ 48,275.18

## WARRANTS DRAWN.

For repayment of 2-mill tax.....	\$ 48,246.68	
Warrants paid and returned to December 31, 1897.....	\$ 48,178.67	
Warrants outstanding December 31, 1897.....	68.01	
		\$ 48,246.68

## STREET AND SEWER INTEREST FUND.

Balance in fund December 31, 1896.....	\$ 1,748.61	
Received from collections .....	1,956.43	
		\$ 3,705.04

## CONTRA.

Warrants paid and returned to December 31, 1897.....	\$ 411.53	
Interest on warrants paid by Treasurer.....	1,368.90	
Transferred to improvement bond interest fund....	836.81	
Balance in fund December 31, 1897.....	1,087.80	
		\$ 3,705.04

## AUDITOR'S REPORT.

## WARRANTS DRAWN.

Interest on street and sewer warrants.....	\$ 411.53
Warrants paid and returned to December 31, 1897.	411.53

## SUMMARY OF BALANCE IN TREASURY.

General fund .....	\$ 5,024.49½	
Fire department fund .....	2,367.40	
Police department fund .....	979.98	
Street cleaning and sprinkling fund.....	1,678.40	
East Portland water fund .....	16.35	
East Side water expense fund.....	1.90	
Willamette river fund .....	8.71	
Lamp fund .....	10.00	
Interest fund, bonded indebtedness.....	30,503.02	
Fire badge redemption fund.....	75.00	
Boulevard fund .....	217.77	
Water bonds interest fund.....	72,725.00	
Litigation fund .....	4.46	
Street improvement funds .....	8,451.61½	
Sewer funds .....	1,220.69	
Street extension funds .....	2,915.24	
Improvement bond interest fund.....	1,160.85	
Street and sewer interest fund.....	1,087.80	
Improvement fund:		
Deposited with Ladd & Tilton.....	19,875.12	
Two-mill tax fund .....	96.51	
		\$148,420.31

## SUMMARY OF RECEIPTS AND DISBURSEMENTS.

## RECEIPTS.

Total balances in treasury December 31, 1896.....	\$165,946.96
From Water Committee account interest on water bonds .....	\$145,000.00
From street improvement assessments.....	88,325.88
From sewer assessments .....	9,034.00
From street extension assessments .....	1,721.73
From all other sources.....	430,989.22
	\$675,070.83
	\$841,017.79

DISBURSEMENTS.

Interest on water bonds.....	\$146,100.00	
For street improvements .....	87,527.14	
For sewers .....	8,408.49	
For street extensions .....	1,385.90	
For all other purposes.....	449,175.95	
<b>Total expenditures .....</b>	<b>\$692,597.48</b>	
Balances .....	148,420.31	
		<b>\$841,017.79</b>

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

Warrants outstanding December 31, 1896.....	\$240,343.07	
Warrants drawn on general fund.....	136,659.09	
Warrants drawn on Fire department fund.....	100,000.54	
Warrants drawn on Police department fund.....	71,692.41	
Warrants drawn on street cleaning and sprinkling fund .....	38,829.90	
Warrants drawn on lamp fund.....	86,008.59	
Warrants drawn on interest fund, bonded indebted- ness .....	211.66	
Warrants drawn on fund for repayment of 2-mill tax .....	48,246.68	
Warrants drawn on street and sewer interest fund	411.53	
		<b>\$722,403.47</b>

Warrants paid and returned to December 31, 1897:

General fund .....	\$156,040.83	
Fire department fund .....	67,736.93	
Police department fund .....	1,494.94	
Street cleaning and sprinkling fund.....	15,559.75	
Lamp fund .....	35,499.96	
Bonded indebtedness interest fund.....	211.66	
Street and sewer interest fund.....	411.53	
Two-mill tax fund .....	48,178.67	
<b>Total warrants outstanding December 31, 1897.</b>	<b>397,268.70</b>	
Warrants cancelled .....	50	
		<b>\$722,403.47</b>

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

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.....

FORMER CITY OF ALBINA.

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

FORMER CITY OF EAST PORTLAND.

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



CITY HALL BONDS.

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

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..... Bull Run pipe line.....
Second Series	2,200,000.00	July 1, 1893	30 years	5 per cent.	

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..... Purchase of bridge.....
Second Series	200,000.00	April 1, 1895	30 years	5 per cent.	

FERRY BONDS.

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

IMPROVEMENT BONDS.

Kind.	Amount.	Date.	Time.	Interest.	Object.
.....	\$ 28,118.49	July 1, 1895	10 years	6 per cent.	Construction of sewer.....
.....	721.23	Sept. 2, 1895	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	3,130.19	Dec. 1, 1895	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	3,063.22	Feb. 1, 1896	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	3,294.26	April 1, 1896	10 years	6 per cent.	Improvement of streets.....
.....	1,116.75	May 1, 1896	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	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.....
.....	14,246.47	April 1, 1897	10 years	6 per cent.	Improvement of streets.....
.....	6,280.80	June 1, 1897	10 years	6 per cent.	Improvement of streets and construction of sewers
.....	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

126,634.90

## AUDITOR'S REPORT.

DETAILED STATEMENT OF DEMANDS AUDITED AND OF INTEREST PAID BY THE CITY OF PORTLAND DURING THE FISCAL YEAR 1897.

## GENERAL FUND.

## Mayor and Common Council:

Salary of Mayor .....	\$ 5,000.00
Salary of Councilmen .....	11,000.00
	<u>          </u> \$ 16,000.00

## Auditor's Department:

Salary of Auditor .....	\$ 2,400.00
Salary of deputies and clerks.....	6,480.00
Stationery and blanks .....	840.56
Miscellaneous expense .....	36.85
	<u>          </u> \$ 9,757.41

## City Treasurer's Department:

Salary of Treasurer .....	\$ 3,000.00
Salary of deputy .....	1,500.00
Stationery and blanks .....	26.92
Miscellaneous expense .....	60.00
	<u>          </u> \$ 4,586.92

## City Attorney's Department:

Salary of City Attorney.....	\$ 3,000.00
Salary of deputies .....	2,700.00
Litigation and judgments .....	4,870.48
Stationery and blanks .....	90.90
	<u>          </u> \$ 10,661.38

## City Surveyor's Department:

Salary of City Surveyor.....	\$ 2,160.00
Salary of assistant surveyors .....	4,007.73
Salary of chainmen, rodmen, etc.....	3,598.38
Stationery and blanks .....	122.03
Miscellaneous expense .....	55.03
	<u>          </u> \$ 9,943.17

## AUDITOR'S REPORT.

## Superintendent of Streets' Department:

Salary of Superintendent of Streets.....	\$ 2,400.00
Salary of deputies .....	6,300.00
Labor repairing streets and bridges.....	5,675.11
Material repairing streets and bridges.....	1,361.63
Labor repairing sewers .....	3,259.75
Material repairing sewers .....	1,166.67
Street inspectors .....	1,719.27
Feed, horseshoeing and repairs.....	821.10
Stationery and blanks .....	116.48
Miscellaneous expense .....	35.50
Repairs to Tanner and Johnson-creek sewers.....	871.48
	<u>          </u> \$ 23,726.99

## Municipal Court:

Salary of Judge .....	\$ 3,000.00
Salary of clerk .....	1,500.00
Pay of interpreters .....	37.50
Stationery and blanks .....	106.25
	<u>          </u> \$ 4,643.75

## Inspector of Plumbing and Drainage:

Salary of Inspector .....	\$ 1,200.00
Pay of examiners of plumbing.....	6.00
Stationery and blanks .....	13.50
	<u>          </u> \$ 1,219.50

## Poundmaster's Department:

Salary of Poundmaster .....	\$ 990.00
Salary of assistants .....	1,181.00
Feed for horses, and impounding stock.....	568.86
Harness, horseshoeing and repairs.....	209.08
Purchase of wagon and harness.....	300.00
Miscellaneous expense .....	94.28
Stationery and blanks .....	2.90
	<u>          </u> \$ 3,346.12

## Health Department:

Salary of City Physician.....	\$ 1,322.55
Account care indigent sick.....	1,032.50
Salary of health commissioner.....	439.05
Stationery and blanks .....	129.20
Miscellaneous expense .....	38.60
	<u>          </u> \$ 2,961.90

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## AUDITOR'S REPORT.

## Harbor Police and Harbor-master:

Salary of Harbor-master .....	121.80	
Salary of harbor policeman .....	1,261.60	
		\$ 1,383.40

## City Park and Grounds:

Salary of Park-keeper .....	\$ 900.00	
Pay of laborers .....	5,802.50	
Feed for animals .....	1,590.52	
Lumber, hardware, wood, etc. ....	788.65	
Water for park blocks and fountains .....	54.73	
Miscellaneous expense .....	65.05	
		\$ 9,201.45

## City Hall, Expense of:

Salary of janitors and watchman .....	\$ 2,999.05	
Heating and lighting .....	3,330.00	
Repairs and plumbing .....	70.80	
Miscellaneous .....	208.25	
		\$ 6,608.10

## Crematory (New), Construction of:

Engle Cremation Co., account contract .....	\$ 15,000.00	
Constructing road to crematory .....	1,158.71	
Grading and laying water pipe .....	398.90	
Lumber, hardware and plumbing .....	476.43	
Miscellaneous .....	136.75	
		\$ 17,170.79

## Cremation of Garbage:

Account of contract old crematory .....	\$ 5,836.67	
Rent of garbage dock .....	525.00	
Pay of officers at dump .....	510.00	
Rent of dump, dry garbage .....	20.00	
Removing dead animals .....	125.00	
Miscellaneous expense old crematory .....	26.25	
Labor operating new crematory .....	1,085.10	
Wood new crematory .....	968.87	
Miscellaneous expense new crematory .....	412.89	
		\$ 9,509.78

## Operating Steel Bridge:

Rent of bridge .....	\$ 1,400.00	
Pay of employes .....	868.25	
Miscellaneous expense .....	27.90	
		\$ 2,296.15

## AUDITOR'S REPORT.

## License Inspector:

Salary of License Inspector .....	\$ 686.40
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## Building Inspector:

Salary of Inspector .....	\$ 300.00
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## Miscellaneous:

Printing Municipal Reports .....	\$ 275.00
Advertising .....	1,234.20
Relief of sundry persons .....	476.89
Pay of viewers .....	288.00
Purchase of property, chief of police sale .....	50.50
Clerk hire account delinquent taxes .....	18.08
Improvement of streets, city property .....	77.64
Miscellaneous expense .....	235.57
	\$ 2,655.88
Interest on called warrants .....	\$ 7,264.65
Grand total, account general fund .....	\$ 143,923.74

## STREET LIGHTING FUND.

Portland General Electric Co. ....	\$ 81,441.44
Interest on called warrants .....	2,268.04
Account balance due from 1896 .....	4,567.15
	\$ 88,276.63

## STREET CLEANING AND SPRINKLING FUND.

Pay of Superintendent, foremen and laborers .....	\$ 27,312.50
Lighting city barn .....	257.80
Shoeing horses .....	837.25
Repairs to plant .....	1,637.75
Harness and repairs .....	368.71
Hay .....	2,054.08
Oats and other feed .....	2,029.96
Hardware .....	214.14
Street sprinkling (electric) .....	813.40
Insurance .....	426.30
Purchase of horses .....	1,175.00
Stationery and blanks .....	4.50
New plant .....	212.25
Water .....	100.35
Plumbing .....	189.65
Veterinary drugs and medicines .....	315.75
Lumber .....	259.58
Paints and oils .....	207.15
Wood .....	100.87
Sawdust .....	124.25
Miscellaneous .....	188.66
Interest on called warrants .....	1,235.21
	\$ 40,065.11

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## FIRE DEPARTMENT FUND.

Salary of firemen .....	\$ 68,361.58
Fire alarm telegraph .....	2,350.21
Hose, and repair of.....	3,120.63
Water .....	3,767.30
Hydrants and repairs .....	2,500.53
Stationery and blanks .....	234.38
Telephone service .....	1,144.00
Repairs to apparatus .....	1,851.61
New apparatus .....	600.00
Buildings, furniture and fixtures.....	2,240.53
Shoeing horses .....	1,332.05
Horses .....	469.50
Veterinary services .....	276.00
Harness, and repair of.....	304.37
Feed .....	4,967.20
Fuel .....	1,783.19
Lighting engine houses .....	1,139.07
Miscellaneous supplies .....	910.63
Repairs to cisterns .....	224.30
Rent .....	1,630.00
Incidental expenses .....	793.46
Interest on called warrants.....	2,797.72
	\$102,798.26

## POLICE DEPARTMENT FUND.

Salary of police .....	\$ 64,349.40
Feeding prisoners .....	1,130.50
Expense of police building.....	2,071.15
Patrol wagon .....	740.03
Call boxes .....	1,593.20
Mounted police .....	768.24
Contingent expenses .....	555.58
Stationery and blanks .....	484.31
Interest on called warrants.....	64.60
	\$ 71,757.01

## FUND FOR REPAYMENT OF TWO-MILL TAX.

Returned to property-owners .....	\$ 48,246.68
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## TREASURER'S ANNUAL REPORT.

FOR QUARTER ENDED MARCH 31, 1897.

Balance in treasury December 31, 1896.....	\$155,665.14
Balance in S. S. & T. Co. December 31, 1896.....	9,236.82
Balance in New York, December 31, 1896.....	1,045.00
Received from all sources .....	76,107.65
Disbursed .....	\$159,840.18
Balance in New York to redeem Int. coupons....	245.00
Deposited with Ladd & Tilton, by order of council, same being matured certificate of S. S. & T. Co. and collections account improvement fund .....	17,021.92
Balance in treasury .....	64,947.51
	\$242,054.61
	\$242,054.61

## GENERAL FUND.

Balance December 31, 1896.....	\$ 46,260.38
Received, 87½ per cent. general licenses.....	26,792.81
Received dog licenses .....	849.00
Received R. W. Hoyt, delinquent tax 1894-95-96.....	7,390.93
Received H. S. Allen, school clerk, rent.....	160.00
Received N. A. S. E., rent .....	12.50
Received W. M. Cake, city attorney, compromise of suit, City vs. Mechanics' Fair Association.....	1,250.00
Received, Ladd estate, redemption tax .....	25.67
Franklin Building & Loan Association, redemp- tion tax .....	60.00
Ocobock & Huggins, for safe purchased from city .....	75.00
Delinquent taxes (miscellaneous) .....	448.59
Miscellaneous costs .....	60.12
Robertson, L. W.....	93.65
Foster, John, pound fees .....	215.50
Myers, John, costs and delinquent taxes .....	360.75
City & Suburban Railway, damages to dump-cart.....	12.13
Transferred to bond indebtedness interest fund.....	18,750.00
Transferred to street improvement fund .....	139.95
Interest paid on warrants .....	1,616.68
Warrants paid .....	30,543.61
Balance .....	33,021.79
	\$ 84,072.03
	\$ 84,072.03

## FIRE DEPARTMENT FUND.

Balance December 31, 1896.....	\$ 1,425.20	
Received of R. W. Hoyt, delinquent tax 1894-95-96	3,336.42	
F. D. Jodon .....	6.00	
T. DeBoest .....	30.80	
Interest paid .....	\$ 69.68	
Warrants paid .....	2,598.61	
Balance .....	2,130.13	
	<u>\$ 4,798.42</u>	\$ 4,798.42

## POLICE DEPARTMENT FUND.

Balance December 31, 1896.....	\$ 237.36	
Received of R. W. Hoyt, delinquent tax 1894-95..	649.61	
Warrants paid .....	\$ 156.20	
Balance .....	730.77	
	<u>\$ 886.97</u>	\$ 886.97

## STREET CLEANING AND SPRINKLING FUND.

Balance December 1, 1896 .....	\$ 71.21	
Received 12½ per cent. general licenses .....	3,827.54	
Received A. Sweek, fines and costs municipal court .....	965.00	
Interest paid .....	\$ 270.85	
Warrants paid .....	4,119.74	
Balance .....	473.16	
	<u>\$ 4,863.75</u>	\$ 4,863.75

## STREET IMPROVEMENT FUND.

Balance December 31, 1896 .....	\$ 7,822.42	
Transferred from general fund .....	139.95	
Received sundry collections .....	15,359.34	
Warrants paid .....	\$ 11,740.98	
Balance .....	11,580.73	
	<u>\$ 23,321.71</u>	\$ 23,321.71

## SEWER FUND.

Balance December 31, 1896.....	\$ 1,651.04	
Received sundry collections .....	3,178.09	
Warrants paid .....	\$ 3,149.28	
Balance .....	1,679.85	
	<u>\$ 4,829.13</u>	\$ 4,829.13

## IMPROVEMENT FUND.

Balance in treasury December 31, 1896.....	\$ 1,528.36	
Balance in S. S. & T. Co., Dec. 31, 1896.....	9,236.82	
Received sundry collections .....	6,545.94	
S. S. & T. Co., certificates matured and deposited with Ladd & Tilton .....	\$ 9,236.82	
Collections deposited with Ladd & Tilton, by order of council .....	7,785.10	
Balance in treasury .....	289.20	
	<u>\$ 17,311.12</u>	\$ 17,311.12

## STREET EXTENSION FUND.

Balance December 31, 1896 .....	\$ 2,579.41	
Warrants paid .....	\$ 58.43	
Balance .....	2,520.98	
	<u>\$ 2,579.41</u>	\$ 2,579.41

## LITIGATION FUND.

Balance December 31, 1896 .....	\$ 13.04	
Received from general fund .....	400.00	
Claims paid .....	\$ 405.15	
Balance .....	7.89	
	<u>\$ 413.04</u>	\$ 413.04

## BONDED INDEBTEDNESS INTEREST FUND.

Balance in treasury December 31, 1896.....	\$ 17,308.28	
Balance in New York, December 31, 1896.....	1,045.00	
Received from R. W. Hoyt, delinquent tax 1894...	56.85	
Transferred from general fund .....	18,750.00	
Coupons and warrants paid .....	\$ 30,276.00	
Balance in New York .....	245.00	
Balance in treasury .....	6,639.13	
	<u>\$ 37,160.13</u>	\$ 37,160.13

## IMPROVEMENT BOND INTEREST FUND.

Balance December 31, 1896.....	\$ 653.62	
Transferred from street and sewer interest fund..	100.00	
Received from S. S. & T. Co., interest .....	575.32	
Received sundry collections .....	2,786.41	
Coupons paid .....	\$ 1,748.44	
Balance .....	2,366.91	
	<u>\$ 4,115.35</u>	\$ 4,115.35

## TREASURER'S REPORT.

## STREET LAMP FUND.

Balance December 31, 1896 .....		\$	90.77
Balance .....	\$	90.77	

## WILLAMETTE RIVER FUND.

Balance December 31, 1896 .....		\$	8.71
Balance .....	\$	8.71	

## WATER BOND INTEREST FUND.

Balance December 31, 1896 .....		\$	73,825.00
Coupons paid .....	\$	72,275.00	
Balance .....		1,550.00	
	\$	73,825.00	\$ 73,825.00

## EAST SIDE WATER EXPENSE FUND.

Balance December 31, 1896 .....		\$	1.90
Balance .....	\$	1.90	

## EAST PORTLAND WATER FUND.

Balance December 31, 1896 .....		\$	16.35
Balance .....	\$	16.35	

## FIRE BADGE REDEMPTION FUND.

Balance December 31, 1896 .....		\$	76.00
Badges redeemed .....	\$	1.00	
Balance .....		75.00	
	\$	76.00	\$ 76.00

## BOULEVARD FUND.

Balance December 31, 1896 .....		\$	217.77
Balance .....	\$	217.77	

## STREET AND SEWER INTEREST FUND.

Balance December 31, 1896 .....		\$	1,878.32
Received sundry collections .....		578.68	
Transferred improvement bond interest fund .....	\$	100.00	
Interest paid .....		810.53	
Balance .....		1,546.47	
	\$	2,457.00	\$ 2,457.00

## TREASURER'S REPORT.

## GENERAL SUMMARY.

Balance in treasury, as stated .....	\$	64,947.51
Balance in New York, as stated .....		245.00
Balance in Ladd & Tilton, as stated .....		17,021.92
Credited as follows:		
General fund .....	\$	33,021.79
Fire department fund .....		2,130.13
Police department fund .....		730.77
Street cleaning and sprinkling fund .....		473.16
Street improvement .....		11,580.73
Sewer .....		1,679.85
Improvement, treasury .....		289.20
Improvement, Ladd & Tilton .....		17,021.92
Street extension .....		2,520.98
Litigation .....		7.89
Bonded indebtedness interest in New York .....		245.00
Bonded indebtedness interest in treasury .....		6,639.13
Improvement bond interest .....		2,366.91
Street lamp .....		90.77
Willamette river .....		8.71
Water bond interest fund .....		1,550.00
East Side water expense .....		1.90
East Portland water .....		16.35
Fire badge redemption .....		75.00
Boulevard .....		217.77
Street and sewer interest .....		1,546.47
	\$	82,214.43
	\$	82,214.43

## STREET IMPROVEMENT FUND.

Balance in this fund, as stated .....	\$	11,580.73
Credited as follows:		
Fifth, Stephens to Adams .....	\$	34.60
M, Fourth to Twelfth .....		43.16
Clinton, Twelfth to Twenty-first .....		62.73
R .....		186.75
Chapman .....		35.05
South Front, Gaines to First avenue .....		18.55
Hood .....		14.64
Taylor .....		1.41
North Eighteenth .....		27.67
South Second, Sheridan to Gibbs .....		1.85
Clifton .....		79.00
Clay, Fourth to east boundary city .....		4.80

Fifth, K to Ellsworth.....	207.47½
Myrtle, Thirteenth to Nineteenth.....	50.90
G, East to West End .....	21.20
Elliott, Helm to Williams avenue.....	83.00
North Twenty-second, J to P.....	41.41
H, East to West End.....	10.45
H. Twenty-second to Twenty-third.....	43.64
North Twenty-third, F to J.....	45.54
G, Third to West Park.....	13.74
Multnomah, Grover to Curry.....	9.10
Division .....	40.85
East Glisan, Ninth to Twelfth.....	6.00
East Sixteenth, Holladay to Belmont.....	26.64
Weidler .....	.94
Lane avenue.....	18.52
East Eighth, Flanders to Riv. Homestead.....	239.81
Shaver .....	4.20
East Twentieth, Hawthorne to East Stark....	18.86
Union, Broadway to Schuyler.....	51.65
East Twenty-fourth, formerly A.....	30.96
East Oak, Second to Water.....	1.85
East Eighth, Ainsworth to Dekum.....	15.25
Tenino avenue.....	8.20
Tacoma avenue.....	132.20
Spokane avenue.....	64.15
Fifth .....	47.08
Umatilla avenue.....	361.23
Eighth .....	4.00
Morrison .....	6.57
Shaver .....	14.75
East Seventeenth.....	12.00
East Harrison.....	33.50
Twenty-fourth, Glisan to Savier.....	46.25
Vancouver avenue.....	14.86
Willamette .....	127.58½
Sixth, Morrison to Hoyt.....	5.46
Beacon .....	11.25
Cable .....	13.25
Milwaukie and East Eleventh.....	7.06
Mallory avenue.....	12.84
East Stark, Water to Sixteenth.....	34.26
Elm .....	3.00
Hoyt .....	2.50
Madrona avenue.....	17.63
Fremont .....	67.03

Grand avenue, Clay to Stark.....	59.26
Nineteenth, Thurman to Sherlock.....	3.25
Front, Madison to Lincoln.....	16.49
East Second, Oak to Washington.....	5.88
Third, Main to Columbia.....	6.50
Columbia .....	1.50
Grand avenue, Burnside to Stark.....	12.24
Union avenue, Russell to Weidler.....	29.68
Corbett .....	1.90
Marshall .....	619.58
Hawthorne avenue.....	97.00
Hamilton avenue.....	2.25
Clinton .....	25.95
Kelly .....	3.75
Gantenbein avenue.....	15.59
Commercial .....	54.13
East Water, Oak to Hawthorne.....	19.96
Couch .....	3.00
Kerby .....	1.64
East First, Hancock to Holladay.....	20.03
Sixteenth .....	1.75
B (old) .....	25.12
Belmont .....	538.45
Chapman, Jefferson to Salmon.....	5.00
Fourth, Jefferson to Burnside.....	28.81
East Thirty-fourth, Stark to Hawthorne.....	217.95
Burnside, Sixth to Washington.....	683.06
Third, Yambill to Glisan.....	159.50
Constance .....	16.90
Going .....	43.37
East Taylor, Thirty-fourth to Thirty-eighth...	258.37
Burnside, Third to Sixth.....	518.16
Haight avenue.....	1.00
Alley .....	2.25
Stark, Fourth to Sixth.....	47.35
X .....	2.09
Hawthorne avenue.....	52.13
Wheeler .....	.50
Twenty-Third, Wilson to St. Helens road.....	75.23
Fourth, Burnside to Glisan.....	1,645.03
First, Stark to Madison.....	3,610.15
Curry .....	110.13

\$ 11,580.73 \$ 11,580.73

## TREASURER'S REPORT.

## SEWER FUND.

Balance in this fund, as stated.....\$ 1,679.85

Credited as follows:

Twelfth and Market.....	\$ 63.00
P .....	216.64
Q .....	38.36
Tanner Creek.....	58.88
Marquam Gulch.....	7.22
Pennoyer .....	9.07
Williams avenue et al.....	90.00
Whittaker .....	1.05
Albina avenue.....	2.44
Water, Whittaker to Woods.....	29.05
Corbett, Woods to Grover.....	13.73
East Oak et al.....	58.65
Pacific et al.....	9.10
East Seventh, Washington to Taylor.....	14.90
East Alder et al.....	380.93
East Yamhill, Thirty-fourth to Thirty-fifth.....	20.06
East Thirty-fifth, Morrison to Yamhill.....	7.95
East Fifteenth, Morrison to Taylor.....	14.45
East Alder, Seventh to Ninth.....	54.12
East Taylor, Nineteenth to Twenty-sixth.....	9.78
Williams avenue, Page to San Rafael.....	1.25
Hood, Gibbs to Wood.....	24.60
East Third, Hancock to Schuyler.....	15.17
East Clay, Union to River.....	33.30
East Seventh et al.....	11.16
Lovejoy .....	21.21
Rodney avenue et al.....	2.73
East Twentieth, Washington to Belmont.....	23.13
Vancouver, Tillamook to Hancock.....	9.00
Vancouver, Hancock to Wheeler.....	19.81
First, Whittaker to Grover.....	7.20
Macadam .....	4.00
East Salmon, Fourteenth to Twenty-third.....	60.48
East Eleventh.....	146.36
East Tenth, Caruthers to Hawthorne.....	2.89
Belmont, Thirty-third to Thirty-second.....	67.00
Eugene .....	5.00
East Thirty-third, Belmont to Yamhill.....	.20
East Grant, Sixth to Ninth.....	56.90
East Yamhill, Twenty-third to Nineteenth.....	6.05

## TREASURER'S REPORT.

Wilson .....	43.35
Tillamook .....	.73
Wood's Gulch.....	18.95
	<hr/>
	\$ 1,679.85 \$ 1,679.85

## STREET EXTENSION FUND.

Balance in this fund, as stated.....\$ 2,520.98

Credited as follows:

V .....	\$ 472.50
Heights Terrace.....	10.00
W .....	671.00
Fourth .....	153.75
Eleventh .....	14.70
Ninth .....	30.00
Vancouver avenue.....	97.00
Q .....	5.00
Hawthorne avenue.....	19.40
Cable .....	96.70
Powell .....	36.30
East Fifth.....	6.00
Twenty-sixth .....	433.50
Dawson .....	26.40
East Fourteenth.....	190.00
Commercial .....	2.00
Peninsular avenue.....	32.64
Clinton .....	31.60
East Twenty-eighth.....	86.20
Corbett .....	101.29
Willis boulevard.....	5.00
	<hr/>
	\$ 2,520.98 \$ 2,520.98

Respectfully submitted,

FRANK HACHENEY, City Treasurer.

I hereby certify that the above is a correct copy of the Quarterly Report of the City Treasurer for the quarter ending March 31, 1897.

A. N. GAMBELL, Auditor.

Portland, Or., May 3, 1897.



## TREASURER'S REPORT.

## FOR QUARTER ENDED JUNE 30, 1897.

Balance as per report March 31, 1897.....		\$ 64,947.51
Balance Ladd & Tilton, March 31, 1897.....		17,021.92
Balance New York to redeem interest coupons, March 31, 1897.....		245.00
Received from all sources.....		232,574.80
Disbursed .....	\$149,813.24	
Balance in New York to redeem interest coupons	12,830.00	
Imp. fund deposited with Ladd & Tilton.....	17,896.00	
Balance in treasury.....	134,249.99	
	\$314,789.23	\$314,789.23

## GENERAL FUND.

Balance March 31, 1897.....		\$ 33,021.79
Received 87½ per cent. general licenses.....		26,305.88
Received dog licenses.....		148.50
Received R. W. Hoyt, delinquent tax 1894.....		487.09
Received R. W. Hoyt, delinquent tax 1895.....		843.26
Received R. W. Hoyt, delinquent tax 1896.....		6,404.60
Received R. W. Hoyt, taxes 1897.....		60,135.87
Received R. W. Hoyt, delinquent taxes sundry years .....		462.71
Received H. S. Allen, rent.....		80.00
Received delinquent taxes (miscellaneous).....		165.97
Received John Foster, pound fees.....		209.50
Received John Myers, costs.....		194.50
Received miscellaneous costs.....		55.50
Received D. C. Hoyt, part payment of rent.....		25.00
Received D. Stephenson, for shed.....		2.50
Transferred to bond indebtedness interest fund.....	\$ 44,395.00	
Transferred to fund for repayment of 2-mill tax	45,972.10	
Interest paid on warrants.....	1,517.15	
Warrants paid.....	27,115.51	
Balance .....	9,542.91	
	\$128,542.67	\$128,542.67

## FIRE DEPARTMENT FUND.

Balance March 31, 1897.....		\$ 2,130.13
Received R. W. Hoyt, taxes 1894.....		640.92
Received R. W. Hoyt, taxes 1895.....		648.66
Received R. W. Hoyt, taxes 1896.....		2,561.84
Received R. W. Hoyt, taxes 1897.....		20,045.30

## TREASURER'S REPORT.

Interest paid on warrants.....	\$ 938.74	
Warrants paid.....	20,004.15	
Balance .....	5,083.96	
	\$ 26,026.85	\$ 26,026.85

## POLICE DEPARTMENT FUND.

Balance March 31, 1897.....		\$ 730.77
Received R. W. Hoyt, delinquent tax 1894.....		410.19
Received R. W. Hoyt, delinquent tax 1895.....		583.80
Warrants paid.....	\$ 863.66	
Interest paid on warrants.....	59.60	
Balance .....	801.50	
	\$ 1,724.76	\$ 1,724.76

## STREET CLEANING AND SPRINKLING FUND.

Balance March 31, 1897.....		\$ 473.16
Received 12½ per cent. general licenses.....		3,757.97
Received A. Sweek, municipal judge.....		1,048.00
Warrants paid.....	\$ 4,796.86	
Interest paid on warrants.....	359.69	
Balance .....	122.58	
	\$ 5,279.13	\$ 5,279.13

## STREET IMPROVEMENT FUND.

Balance March 31, 1897.....		\$ 11,580.73
Received sundry collections.....		29,469.92
Warrants paid.....	\$ 30,409.71	
Balance .....	10,640.94	
	\$ 41,050.65	\$ 41,050.65

## SEWER FUND.

Balance March 31, 1897.....		\$ 1,679.85
Received sundry collections.....		987.32
Warrants paid.....	\$ 1,142.79	
Balance .....	1,524.38	
	\$ 2,667.17	\$ 2,667.17

## TREASURER'S REPORT.

## STREET AND SEWER INTEREST FUND.

Balance March 31, 1897.....	\$ 1,546.47
Received sundry collections.....	453.37
Interest paid .....	\$ 383.77
Balance .....	1,616.07
	<hr/>
	\$ 1,999.84 \$ 1,999.84

## GENERAL SUMMARY.

Balance in treasury, as stated.....	\$134,249.99
Balance in New York, as stated.....	12,830.00
Balance in Ladd & Tilton, as stated.....	17,896.00
Credited as follows:	
General fund.....	\$ 9,542.91
Fire department fund.....	5,083.96
Police department.....	801.50
Street cleaning and sprinkling.....	122.58
Street improvement.....	10,640.94
Sewer .....	1,524.38
Improvement, deposited with Ladd & Tilton.....	17,896.00
Improvement, in treasury.....	79.52
Street extension.....	2,220.84
Litigation .....	67.61
Bonded indebtedness interest, New York.....	12,830.00
Bonded indebtedness interest, treasury.....	17,445.03
Improvement bond interest.....	1,654.02
Street lamp.....	90.77
Willamette river.....	8.71
Water bond interest.....	73,800.00
East Side water expense.....	1.90
East Portland water.....	16.35
Fire badge redemption.....	75.00
Boulevard .....	217.77
Fund for repayment 2-mill tax.....	9,240.13
Street and sewer interest fund.....	1,616.07
	<hr/>
	\$164,975.99 \$164,975.99

## STREET IMPROVEMENT FUND.

Balance in this fund, as stated.....	\$ 10,640.94
Credited as follows:	
Fifth, Stephens to Adams.....	\$ 34.60
M, Fourth to Twelfth.....	43.16
Clinton, Twelfth to Twenty-first.....	62.73

## TREASURER'S REPORT.

R .....	186.75
Chapman .....	35.05
South Front, Gaines to First avenue.....	18.55
Hood .....	14.64
Taylor .....	1.41
North Eighteenth.....	27.67
South Second, Sheridan to Gibbs.....	1.85
Clifton .....	79.00
Clay, Fourth to east boundary city.....	4.80
Fifth, K to Ellsworth.....	207.47½
Myrtle, Thirteenth to Nineteenth.....	50.90
G, East to West End.....	21.20
Elliott, Helen to Williams.....	83.00
North Twenty-second, J to P.....	41.41
H, East to West End .....	10.45
H, Twenty-second to Twenty-third.....	43.64
North Twenty-third, F to J.....	45.54
G, Third to West Park.....	13.74
Multnomah, Grover to Curry.....	9.10
Division .....	40.85
East Glisan, Ninth to Twelfth.....	6.00
East Sixteenth, Holladay to Belmont.....	26.64
Weidler .....	.94
Lane avenue.....	18.52
East Eighth, Flanders to Riverside Homestead.....	239.81
Shaver .....	4.20
East Twentieth, Hawthorne to East Stark.....	224.01
Union, Broadway to Schuyler.....	51.65
East Twenty-fourth, formerly A.....	30.96
East Oak, Second to Water.....	1.85
East Eighth, Ainsworth to Dekum.....	15.25
Tenino .....	8.20
Tacoma avenue.....	126.17
Spokane avenue.....	64.15
Fifth .....	47.08
Umatilla .....	361.23
Eighth .....	4.00
Morrison .....	6.57
Shaver .....	84.95
East Seventeenth.....	12.00
East Harrison.....	33.50
Twenty-fourth, Glisan to Savier.....	46.25
Vancouver avenue.....	14.86
Willamette .....	12.25½
Sixth, Morrison to Hoyt.....	5.46

Beacon .....	11.50
Cable .....	13.25
Milwaukie and East Eleventh.....	7.06
Mallory avenue.....	12.84
East Stark, Water to Sixteenth.....	34.76
Elm .....	3.00
Hoyt .....	2.50
Madrona avenue.....	17.63
Fremont .....	11.47
Grand avenue, Clay to Stark.....	59.26
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 .....	23.16
Grand avenue.....	12.24
Union .....	49.10
Corbett .....	1.90
Marshall .....	148.50
Hawthorne .....	97.00
Hamilton .....	8.10
Clinton .....	22.33
Kelly .....	3.75
Gantenbein avenue .....	42.16
Commercial .....	129.64
East Water, Oak to Hawthorne.....	19.96
Couch .....	3.00
Kerby .....	1.64
East First, Hancock to Hawthorne.....	20.03
Sixteenth .....	1.75
B (old) .....	25.12
Belmont .....	104.06
Chapman, Jefferson to Salmon.....	5.00
Fourth, Jefferson to Burnside.....	28.81
East Thirty-fourth, Stark to Hawthorne.....	98.51
Burnside, Sixth to Washington.....	723.72
Constance .....	16.90
Going .....	85.72
East Taylor .....	27.00
Burnside, Third to Sixth.....	4.00
Haight avenue .....	4.00
Alley .....	2.25
Stark, Fourth to Sixth .....	3.50
X .....	487.71
Hawthorne avenue .....	36.15

Wheeler .....	2.00
Twenty-third, Wilson to St. Helens road.....	688.61
Fourth, Burnside to Glisan.....	72.14
First, Stark to Madison .....	629.86
Curry .....	5.75
Twenty-fourth .....	472.02
York .....	393.79
Russell .....	1,107.06
Oak .....	2,120.72
Thirteenth .....	36.80
Mechanic .....	120.93
Twenty-first, F to J.....	6.40
	<hr/>
	\$ 10,640.94 \$ 10,640.94

## SEWER FUND.

Balance in this fund, as stated.....\$ 1,524.38

## Credited as follows:

Twelfth and Market .....	\$ 63.00
P .....	137.51
Q .....	38.36
Tanner Creek .....	120.48
Marquam Gulch .....	7.22
Pennyoyer .....	9.07
Williams avenue et al.....	90.00
Whittaker .....	1.05
Woods Gulch .....	2.00
Water, Whittaker to Woods.....	29.05
Corbett, Woods to Grover.....	13.73
East Oak et al.....	72.88
Pacific et al.....	9.10
East Sixteenth, Washington to Taylor.....	14.90
East Alder et al.....	376.09
East Yamhill, Thirty-fourth to Thirty-fifth....	20.06
East Thirty-fifth, Morrison to Yamhill.....	49.78
East Fifteenth, Morrison to Taylor.....	14.45
East Alder, Seventh to Ninth.....	54.12
East Taylor, Nineteenth to Twenty-sixth.....	9.78
Williams avenue, Page to San Rafael.....	1.25
Hood, Gibbs to Woods.....	24.60
East Third, Hancock to Schuyler.....	15.17
East Clay, Union to River.....	33.30
East Seventh et al.....	45.26
Lovejoy .....	21.21

Rodney avenue et al.....	45.00
East Twentieth, Washington to Belmont.....	23.13
Vancouver, Tillamook to Hancock.....	9.00
Vancouver, Hancock to Wheeler.....	19.81
First, Whittaker to Grover.....	7.20
Macadam .....	19.40
East Salmon, Fourteenth to Twenty-third.....	10.48
East Eleventh .....	6.36
East Tenth .....	2.89
Belmont, Thirty-third to Thirty-second.....	17.00
Eugene .....	5.00
East Thirty-third, Belmont to Yamhill.....	.20
East Grant, Sixth to Ninth.....	6.90
East Yamhill, Nineteenth to Twenty-third.....	6.05
Wilson .....	15.61
Tillamook, 145 feet west of Rodney to Williams	21.16
Tillamook, 175 feet west of Union to Rodney...	1.58
Vancouver, 150 feet north to 50 feet south of Page	9.84
East Thirty-second, 150 feet south of, to Yamhill	24.36
	<hr/>
	\$ 1,524.38 \$ 1,524.38

## STREET EXTENSION FUND.

Balance in this fund, as stated.....\$ 2,220.84

## Credited as follows:

V .....	\$ 472.50
Heights Terrace .....	10.00
W .....	671.00
Eleventh .....	14.70
Vancouver avenue .....	97.00
Q .....	5.00
Hawthorne avenue .....	19.40
Cable .....	96.70
Powell .....	36.30
East Fifth .....	6.00
Twenty-sixth .....	433.50
Dawson .....	26.40
Commercial .....	2.00
Sixth, M to south line Sheridan.....	123.81
Peninsular .....	32.64
Clinton .....	31.60

East Twenty-eighth .....	36.00
Corbett .....	101.29
Willis boulevard .....	5.00
	<hr/>
	\$ 2,220.84 \$ 2,220.84

Respectfully submitted,

FRANK HACHENEY, City Treasurer.

I hereby certify that the above is a correct copy of the quarterly Report of the City Treasurer for the quarter ending June 30, 1897.

A. N. GAMBELL, Auditor.

Portland, Or., August 10, 1897.

## FOR QUARTER ENDED SEPTEMBER 30, 1897.

Balance in treasury June 30, 1897.....	\$134,249.99	
Balance in New York June 30, 1897.....	12,830.00	
Balance, Ladd & Tilton, June 30, 1897 .....	17,896.00	
Received from all sources.....	206,474.89	
Disbursed .....	\$310,587.25	
Balance in treasury.....	42,236.12	
Balance in New York .....	90.00	
Balance in Ladd & Tilton.....	18,537.51	
	<hr/>	
	\$371,450.88	\$371,450.88

## GENERAL FUND.

Balance June 30, 1897.....	\$ 9,542.91	
Received 87½ per cent. general licenses for quarter .....	25,777.37	
Received dog licenses for quarter.....	1,966.50	
Received Mechanics' Fair Association rent....	250.00	
Received H. S. Allen, school clerk, rent.....	200.00	
Received A. N. Gambell, auditor, from Portland Cable Ry. Co.....	150.00	
Received A. N. Gambell, auditor, surrender cer- tificate of sale.....	94.10	
Received A. N. Gambell, auditor, penalty from delinquent contractors.....	192.50	
Received R. W. Hoyt, taxes 1895.....	951.26	
Received R. W. Hoyt, taxes 1896.....	1,442.50	
Received R. W. Hoyt, taxes 1897.....	107,585.05	
Received R. W. Hoyt, taxes sundry years.....	195.14	
D. C. Hoyt, for rent of park on Peninsular.....	25.00	
P. J. Barry, costs.....	165.00	
Miscellaneous costs .....	163.00	
John Foster, pound fees.....	160.00	
Delinquent taxes .....	201.68	
Transferred to street lamp fund.....	\$ 37,687.23	
Transferred to bonded indebtedness interest fund	6,500.00	
Warrants paid and returned.....	87,540.35	
Interest paid on warrants.....	3,769.34	
Balance .....	13,565.09	
	<hr/>	
	\$149,062.01	\$149,062.01

## FIRE DEPARTMENT FUND.

Balance June 30, 1897.....	\$ 5,083.96	
Received R. W. Hoyt, taxes 1895.....	731.74	
Received R. W. Hoyt, taxes 1896.....	577.00	
Received R. W. Hoyt, taxes 1897.....	35,861.68	
Warrants paid and returned.....	\$ 37,409.68	
Interest paid .....	1,446.23	
Balance .....	3,398.47	
	<hr/>	
	\$ 42,254.38	\$ 42,254.38

## POLICE DEPARTMENT FUND.

Balance June 30, 1897.....	\$ 801.50	
Received R. W. Hoyt, taxes 1895.....	658.56	
Warrants paid and returned.....	\$ 261.35	
Interest paid on warrants.....	5.00	
Balance .....	1,193.71	
	<hr/>	
	\$ 1,460.06	\$ 1,460.06

## STREET CLEANING AND SPRINKLING FUND.

Balance June 30, 1897.....	\$ 122.58	
Received A. Sweek, fines and costs municipal court .....	893.40	
Received general licenses, 12½ per cent.....	3,682.48	
Warrants paid and returned.....	\$ 3,073.58	
Interest paid on warrants.....	254.65	
Balance .....	1,370.23	
	<hr/>	
	\$ 4,698.46	\$ 4,698.46

## STREET IMPROVEMENT FUND.

Balance June 30, 1897.....	\$ 10,640.94	
Received account assessments.....	21,504.53	
Warrants paid and returned.....	\$ 23,787.41	
Balance .....	8,358.06	
	<hr/>	
	\$ 32,145.47	\$ 32,145.47

## SEWER FUND.

Balance June 30, 1897.....	\$ 1,524.38	
Received assessments .....	1,580.87	
Warrants paid .....	\$ 1,001.25	
Balance .....	2,104.00	
	<hr/>	
	\$ 3,105.25	\$ 3,105.25

## TREASURER'S REPORT.

## IMPROVEMENT FUND.

Balance Ladd & Tilton, June 30, 1897.....	\$ 17,896.00	
Balance treasury .....	79.52	
Received assessments .....	561.99	
Deposit with Ladd & Tilton.....	\$ 18,537.51	
	\$ 18,537.51	\$ 18,537.51

## STREET EXTENSION FUND.

Balance June 30, 1897.....	\$ 2,220.84	
Received assessments .....	408.42	
Warrants paid .....	\$ 547.22	
Balance .....	2,082.04	
	\$ 2,629.26	\$ 2,629.26

## LITIGATION FUND.

Balance June 30, 1897.....	\$ 67.61	
Received from general fund.....	100.00	
Claims paid .....	\$ 85.65	
Balance .....	81.96	
	\$ 167.61	\$ 167.61

## BONDED INDEBTEDNESS INTEREST FUND.

Balance treasury, June 30, 1897.....	\$ 17,445.03	
Balance New York, June 30, 1897.....	12,830.00	
Transferred from general fund.....	6,500.00	
Coupons and warrants redeemed and returned.....	\$ 29,980.55	
Balance in treasury.....	6,704.48	
Balance in New York.....	90.00	
	\$ 36,775.03	\$ 36,775.03

## IMPROVEMENT BOND INTEREST FUND.

Balance June 30, 1897.....	\$ 1,654.02	
Received assessments .....	39.99	
Coupons redeemed .....	\$ 1,693.63	
Balance .....	.38	
	\$ 1,694.01	\$ 1,694.01

## TREASURER'S REPORT.

## STREET LAMP FUND.

Balance June 30, 1897.....	\$ 90.77	
Transferred from general fund.....	37,687.23	
Warrants paid and returned.....	\$ 35,499.96	
Interest paid .....	2,268.04	
Balance .....	10.00	
	\$ 37,778.00	\$ 37,778.00

## WILLAMETTE RIVER FUND.

Balance June 30, 1897.....	\$ 8.71	
Balance .....	\$ 8.71	
	\$ 8.71	\$ 8.71

## WATER BOND INTEREST FUND.

Balance June 30, 1897.....	\$ 73,800.00	
Coupons redeemed .....	\$ 73,550.00	
Balance .....	250.00	
	\$ 73,800.00	\$ 73,800.00

## EAST SIDE WATER EXPENSE FUND.

Balance June 30, 1897.....	\$ 1.90	
Balance .....	\$ 1.90	
	\$ 1.90	\$ 1.90

## EAST PORTLAND WATER FUND.

Balance June 30, 1897.....	\$ 16.35	
Balance .....	\$ 16.35	
	\$ 16.35	\$ 16.35

## FIRE BADGE REDEMPTION FUND.

Balance June 30, 1897.....	\$ 75.00	
Balance .....	\$ 75.00	
	\$ 75.00	\$ 75.00

## BOULEVARD FUND.

Balance June 30, 1897.....		\$	217.77
Balance .....	\$	217.77	
	\$	217.77	\$ 217.77

## FUND FOR REPAYMENT 2-MILL TAX.

Balance June 30, 1897.....		\$	9,240.13
Warrants paid .....	\$	8,144.72	
Balance .....		1,095.41	
	\$	9,240.13	\$ 9,240.13

## STREET AND SEWER INTEREST FUND.

Balance June 30, 1897.....		\$	1,616.07
Received sundry collections.....		355.13	
Interest paid .....	\$	268.64	
Balance .....		1,702.56	
	\$	1,971.20	\$ 1,971.20

## GENERAL SUMMARY.

Balance in treasury, as stated.....	\$	42,236.12
Balance in New York, as stated.....		90.00
Balance in Ladd & Tilton, as stated.....		18,537.51

## Credited as follows:

General fund .....	\$	13,565.09
Fire department .....		3,398.47
Police department .....		1,193.71
Street cleaning and sprinkling.....		1,370.23
Street improvement .....		8,358.06
Sewer fund .....		2,104.00
Improvement fund with Ladd & Tilton.....		18,537.51
Street extension .....		2,082.04
Litigation .....		81.96
Bonded indebtedness interest New York.....		90.00
Bonded indebtedness interest treasury.....		6,704.48
Improvement bond interest fund.....		.38
Street lamp fund .....		10.00
Willamette river fund .....		8.71
Water bond interest fund .....		250.00
East Side water expense.....		1.90

East Portland water fund.....		16.35
Fire badge redemption fund.....		75.00
Boulevard fund .....		217.77
Fund for repayment 2-mill tax.....		1,095.41
Street and sewer interest fund.....		1,702.56
	\$	60,863.63
	\$	60,863.63

## STREET IMPROVEMENT FUND.

Balance, as stated.....	\$	8,358.06
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## Credited as follows:

Fifth, Stevens to Adams.....	\$	34.60
M, Fourth to Twelfth.....		43.16
Clinton, Twelfth to Twentieth.....		62.73
R .....		186.75
Chapman .....		35.05
South Front .....		18.55
Hood .....		14.64
Taylor .....		1.41
North Eighteenth .....		27.67
South Second, Sheridan to Gibbs.....		1.85
Clifton .....		79.00
Clay .....		4.80
Fifth, K to Ellsworth .....		207.47½
Myrtle, Thirteenth to Nineteenth.....		50.90
G, East to West End .....		21.20
Elliott, Helm to Williams avenue.....		83.00
North Twenty-second, J to P.....		41.41
H, East to West End .....		10.45
H, Twenty-second to Twenty-third.....		43.64
North Twenty-third, F to J.....		45.54
G, Third to West Park.....		13.74
Multnomah, Grover to Curry.....		9.10
Division .....		40.85
East Glisan, Ninth to Twelfth.....		6.00
East Sixteenth, Holladay to Belmont avenues..		26.64
Weidler .....		.94
Lane avenue .....		18.52
East Eighth, Flanders to Riverside Homestead.		239.81
Shaver .....		4.20
East Twentieth, Hawthorne to East Stark.....		108.21
Union avenue, Broadway to Schuyler.....		51.65
East Twenty-fourth (formerly A).....		30.96

East Oak, Second to Water.....	1.85
East Eighth, Ainsworth to Dekum.....	15.25
Tenino .....	8.20
Tacoma avenue .....	126.17
Spokane avenue .....	64.15
Fifth .....	47.08
Umatilla avenue .....	361.23
Eighth .....	4.00
Morrison .....	6.57
Shaver .....	33.70
East Seventeenth .....	12.00
East Harrison .....	33.50
Twenty-fourth, Glisan to Savier.....	46.50
Vancouver avenue .....	14.86
Willamette .....	12.25 $\frac{1}{2}$
Sixth, Morrison to Hoyt .....	5.46
Beacon .....	12.75
Cable .....	13.25
Milwaukie and East Eleventh.....	12.58
East Stark, Water to Sixteenth.....	34.76
Elm .....	3.00
Hoyt .....	2.50
Madrona .....	17.63
Fremont .....	11.47
Grand avenue, Clay to Stark.....	59.26
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 .....	23.16
Grand avenue .....	12.24
Union avenue .....	45.65
Corbett .....	1.90
Marshall .....	148.50
Hawthorne avenue .....	97.00
Hamilton avenue .....	8.10
Clinton .....	22.33
Kelly .....	3.75
Gantenbein avenue .....	17.59
Commercial .....	129.64
East Water, Oak to Hawthorne avenue.....	19.96
Couch .....	3.00
Kerby .....	1.64
East First, Hancock to Holladay avenue.....	20.03
Sixteenth .....	1.75

B street (old) .....	25.12
Belmont .....	104.06
Chapman, Jefferson to Salmon.....	5.00
Fourth, Jefferson to Burnside.....	28.81
East Thirty-fourth, Stark to Hawthorne avenue	73.51
Burnside, Sixth to Washington.....	14.00
Constance .....	16.90
Going .....	85.72
East Taylor .....	22.00
Burnside, Third to Sixth .....	4.00
Haight avenue .....	4.00
Alley .....	2.25
Stark, Fourth to Sixth .....	3.50
X .....	11.50
Hawthorne avenue .....	5.25
Wheeler .....	2.00
Twenty-third, Wilson to St. Helens county road	15.50
Fourth, Burnside to Glisan .....	129.82
First, Stark to Madison .....	227.28
Curry .....	5.75
Twenty-fourth .....	6.50
York .....	3.75
Russell .....	274.81
Oak .....	4.25
Thirteenth .....	77.17
Mechanic .....	9.25
Twenty-first, B to J .....	6.40
First, Burnside to Stark .....	1,790.84
Seventeenth, repairs .....	6.00
Union avenue, Prescott to Alberta.....	275.43
Union avenue, Morrison to Oak.....	3.75
Hood, repairs .....	1.50
Lincoln .....	906.14
Grover, Hood to Macadam .....	1.75
Washington, First to Third .....	22.76
Goodsell avenue .....	312.46
Hood, repairs, 110 feet to 318 feet of Caruthers	81.84
East Thirty-seventh, Taylor to Hawthorne....	413.25
First, Madison to Woods .....	242.72
	\$ 8,358.06 \$ 8,358.06



## SEWER FUND.

Balance, as stated .....\$ 2,104.00

## Credited as follows:

Twelfth and Market .....	\$ 63.00
P .....	135.98
Q .....	38.36
Tanner Creek sewer .....	145.70
Marquam Gulch sewer .....	7.22
Pennoyer .....	9.07
Kearney .....	34.00
Williams avenue .....	90.00
Whittaker .....	1.05
East First et al. ....	189.40
Woods-street gulch .....	115.42
Water, Whittaker to Woods .....	29.05
Corbett, Woods Gulch to Whittaker .....	.93
East Oak et al. ....	72.88
Pacific et al. ....	9.10
East Seventh, Washington to Taylor .....	14.90
East Alder et al. ....	376.09
Yahmill, East Thirty-fourth to Thirty-fifth .....	34.01
East Thirty-fifth, Morrison to Yamhill .....	49.78
East Fifteenth, Morrison to Taylor .....	14.45
East Alder, Seventh to Ninth .....	54.12
East Morrison, Sixteenth to Eighteenth .....	9.50
East Taylor, Nineteenth to Twentieth .....	9.78
Williams avenue, Page to San Rafael .....	1.25
Hood .....	24.60
East Third, Hancock to Schuyler .....	15.17
East Clay, 80 feet east Union avenue to river .....	33.30
East Seventh et al. ....	45.26
Lovejoy .....	21.21
Rodney avenue et al. ....	45.00
East Twentieth, Washington to Belmont .....	23.13
Vancouver avenue, Tillamook 100 ft. n. Hancock .....	9.00
Vancouver avenue, 100 ft. n. Hancock to Wheeler .....	19.81
First, Whittaker to Grover .....	7.20
Macadam, Gibbs to Woods .....	19.40
Portland Heights .....	58.65
East Salmon, Fourteenth to Twenty-third .....	10.48
East Eleventh, Division to Hawthorne avenue .....	6.39
East Tenth, Caruthers to Hawthorne avenue .....	2.89
Eugene, Rodney to Williams avenues .....	5.00
East Thirty-third, Yamhill to Belmont .....	.20

East Grant, Sixth to Ninth .....	6.90
East Yamhill, Nineteenth to Twenty-third .....	6.05
Wilson, Twenty-first to Twenty-sixth .....	15.61
Tillamook, 145 ft. w. Rodney to Williams avenue .....	4.67
Tillamook, 175 ft. w. Union to Rodney avenue .....	.93
Vancouver avenue, 150 ft. n. Page to 50 ft. s. ....	.34
Quincy .....	.99
East Thirty-third, Salmon to Yamhill .....	87.41
Woods .....	8.60
East Eighth, Grant to Hancock .....	110.20
Vaughn and Twenty-fifth .....	10.60
	\$ 2,104.00
	\$ 2,104.00

## STREET EXTENSION.

Balance, as stated .....\$ 2,082.04

## Credited as follows:

Heights Terrace .....	\$ 10.00
V .....	472.50
W .....	671.00
Eleventh .....	14.70
Q .....	5.00
Hawthorne avenue .....	19.40
East Fifth .....	6.00
Twenty-sixth .....	433.50
Dawson .....	12.00
Commercial .....	2.00
Sixth, north to south line Sheridan .....	128.91
Peninsular .....	6.16
Clinton .....	22.95
East Twenty-eighth .....	36.00
Corbett .....	84.42
Willis boulevard .....	5.00
Belmont .....	4.00
Clinton .....	146.00
Harrison .....	2.50
	\$ 2,082.04
	\$ 2,082.04

Respectfully submitted,

FRANK HACHENEY, City Treasurer.

I hereby certify that the above is a correct copy of the Quarterly Report of the City Treasurer for the quarter ending September 30, 1897.

A. N. GAMBELL, Auditor.

Portland, Or., November 1, 1897.

## FOR QUARTER ENDED DECEMBER 31, 1897.

Balance in treasury September 30, 1897.....	\$ 42,236.12	
Balance, Ladd & Tilton, September 30, 1897..	18,537.51	
Balance in New York, September 30, 1897.....	90.00	
Received from all sources.....	159,913.49	
Disbursed .....	\$ 72,356.81	
Balance in treasury.....	115,955.19	
Balance in New York.....	12,590.00	
Balance in Ladd & Tilton.....	19,875.12	
	<u>\$220,777.12</u>	<u>\$220,777.12</u>

## GENERAL FUND.

Balance, as per report September 30, 1897.....	\$ 13,565.09	
Received 87½ per cent. \$29,578.90, general licenses .....	25,881.54	
Received dog licenses .....	477.00	
Portland Cable Railway Co., delinquent tax by order council .....	200.00	
A. N. Gambell, auditor, street penalties.....	70.00	
A. N. Gambell, auditor, redemption tax.....	24.04	
R. W. Hoyt, county treasurer, taxes sundry years .....	20,790.49	
Miscellaneous costs .....	12.50	
Miscellaneous delinquent taxes.....	66.57	
P. J. Barry, costs.....	118.00	
John Foster, pound fees.....	141.75	
Transferred from street improvement fund....	309.49½	
Transferred from sewer fund.....	1,055.86	
Transferred to bonded indebtedness interest fund .....	\$ 44,395.00	
Transferred to improvement bond interest fund	1,790.00	
Transferred to 2-mill fund.....	300.00	
Warrants paid and returned.....	10,841.36	
Interest paid on warrants.....	361.48	
Balance .....	5,024.49½	
	<u>\$ 62,712.33½</u>	<u>\$ 62,712.33½</u>

## FIRE DEPARTMENT FUND.

Balance as per report September 30, 1897.....	\$ 3,398.47
Received C. E. Rummelin.....	.50
Received G. Curry.....	2.00
R. W. Hoyt, county treasurer, tax sundry years	7,033.99

Warrants paid and returned.....	\$ 7,724.49	
Interest paid on warrants.....	343.07	
Balance .....	2,367.40	
	<u>\$ 10,434.96</u>	<u>\$ 10,434.96</u>

## POLICE DEPARTMENT FUND.

Balance as per report September 30, 1897.....	\$ 1,193.71
Warrants paid and returned.....	\$ 213.73
Balance .....	979.98
	<u>\$ 1,193.71</u>
	<u>\$ 1,193.71</u>

## STREET CLEANING AND SPRINKLING FUND.

Balance as per report September 30, 1897.....	\$ 1,370.23
Received A. Sweek, fines and costs municipal court .....	530.00
Received 12½ per cent. \$29,578.90, general licenses .....	3,697.36
Warrants paid and returned.....	\$ 3,569.57
Interest paid on warrants .....	350.02
Balance .....	1,678.40
	<u>\$ 5,597.99</u>
	<u>\$ 5,597.99</u>

## STREET IMPROVEMENT FUND.

Balance as per report September 30, 1897.....	\$ 8,358.06
Received sundry collections.....	21,992.09
Transferred to general fund.....	\$ 309.49½
Warrants paid and returned.....	21,589.04
Balance .....	8,451.61½
	<u>\$ 30,350.15</u>
	<u>\$ 30,350.15</u>

## SEWER FUND.

Balance as per report September 30, 1897.....	\$ 2,104.00
Received sundry collections.....	3,287.72
Transferred to general fund.....	\$ 1,055.86
Warrants paid and returned.....	3,115.17
Balance .....	1,220.69
	<u>\$ 5,391.72</u>
	<u>\$ 5,391.72</u>

## IMPROVEMENT FUND.

Balance Ladd & Tilton, September 30, 1897....	\$ 18,537.51	
Received sundry collections.....	1,337.61	
Balance Ladd & Tilton.....	\$ 19,875.12	
	\$ 19,875.12	\$ 19,875.12

## STREET EXTENSION FUND.

Balance as per report September 30, 1897.....	\$ 2,082.04	
Received sundry collections.....	1,089.50	
Warrants paid .....	\$ 256.30	
Balance .....	2,915.24	
	\$ 3,171.54	\$ 3,171.54

## LITIGATION FUND.

Balance as per report September 30, 1897.....	\$ 81.96	
Claims paid and returned.....	\$ 77.50	
Balance .....	4.46	
	\$ 81.96	\$ 81.96

## BONDED INDEBTEDNESS INTEREST FUND.

Balance treasury September 30, 1897.....	\$ 6,704.48	
Balance New York September 30, 1897.....	90.00	
Transferred from general fund.....	44,325.00	
Warrant and coupons paid and returned.....	\$ 20,686.46	
Balance in New York.....	12,590.00	
Balance in treasury.....	17,913.02	
	\$ 51,189.48	\$ 51,189.48

## IMPROVEMENT BOND INTEREST FUND.

Balance as per report September 30, 1897.....	\$ .38	
Received sundry collections.....	91.18	
Transferred from street and sewer interest fund.....	736.81	
Transferred from general fund.....	1,790.00	
Coupons redeemed .....	\$ 1,457.52	
Balance .....	1,160.85	
	\$ 2,618.37	\$ 2,618.37

## STREET LAMP FUND.

Balance as per report September 30, 1897.....	\$ 10.00	
Balance .....	\$ 10.00	
	\$ 10.00	\$ 10.00

## WILLAMETTE RIVER FUND.

Balance as per report September 30, 1897.....	\$ 8.71	
Balance .....	\$ 8.71	
	\$ 8.71	\$ 8.71

## WATER BOND INTEREST FUND.

Balance as per report September 30, 1897.....	\$ 250.00	
Received from water committee.....	72,500.00	
Coupons redeemed .....	\$ 25.00	
Balance .....	72,725.00	
	\$ 72,750.00	\$ 72,750.00

## EAST SIDE WATER EXPENSE FUND.

Balance as per report September 30, 1897.....	\$ 1.90	
Balance .....	\$ 1.90	
	\$ 1.90	\$ 1.90

## FIRE BADGE REDEMPTION FUND.

Balance as per report September 30, 1897.....	\$ 75.00	
Balance .....	\$ 75.00	
	\$ 75.00	\$ 75.00

## EAST PORTLAND WATER FUND.

Balance as per report September 30, 1897.....	\$ 16.35	
Balance .....	\$ 16.35	
	\$ 16.35	\$ 16.35

## BOULEVARD FUND.

Balance as per report September 30, 1897.....	\$ 217.77	
Balance .....	\$ 217.77	
	\$ 217.77	\$ 217.77

## FUND FOR REPAYMENT 2-MILL TAX.

Balance as per report September 30, 1897.....	\$	1,095.41
Transferred from general fund.....		300.00
Warrants paid and returned.....	\$	1,298.90
Balance .. .. .		96.51
	\$	1,395.41
	\$	1,395.41

## STREET AND SEWER INTEREST FUND.

Balance as per report September 30, 1897.....	\$	1,702.56
Received sundry collections.....		569.25
Transferred to imp. bond inst. fund.....	\$	736.81
Interest paid .. .. .		447.20
Balance .. .. .		1,087.80
	\$	2,271.81
	\$	2,271.81

## GENERAL SUMMARY.

Balance in treasury, as stated.....	\$155,955.19
Balance in New York, as stated.....	12,590.00
Balance in Ladd & Tilton, as stated.....	19,875.12
Credited as follows:	
General fund .. .. .	\$ 5,024.49½
Fire department fund.....	2,367.40
Police department fund.....	979.98
Street cleaning and sprinkling fund.....	1,678.40
Street improvement fund.....	8,451.61½
Sewer fund .. .. .	1,220.69
Improvement fund (Ladd & Tilton).....	19,875.12
Street extension fund.....	2,915.24
Litigation fund .. .. .	4.46
Bonded indebtedness interest, New York.....	12,590.00
Bonded indebtedness interest, treasury.....	17,913.02
Improvement bond interest.....	1,160.85
Street lamp fund.....	10.00
Willamette river fund.....	8.71
Water bond interest fund.....	72,725.00
East Side water expense fund.....	1.90
Fire badge redemption fund.....	75.00
East Portland water fund.....	16.35
Boulevard fund .. .. .	217.77
Two-mill tax fund.....	96.51
Street and sewer interest fund.....	1,087.80
	\$148,420.31
	\$148,420.31

## STREET IMPROVEMENT FUND.

Balance in fund as stated.....\$ 8,451.61½

## Credited as follows:

Fifth street, Stephens to Adams.....	\$	34.60
M street, Fourth to Twelfth.....		43.16
Clinton street, Twelfth to Twenty-first.....		62.73
R .. .. .		186.75
Chapman street .. .. .		35.05
S. Front street, Gaines to First avenue.....		18.55
Hood .. .. .		14.64
Taylor street, Tenth to Fourteenth.....		1.41
North Eighteenth street.....		27.67
South Second street, Sheridan to Gibbs.....		1.85
Clifton street .. .. .		79.00
East Clay street.....		4.80
Fifth street, K to Ellsworth.....		207.47½
Myrtle street .. .. .		4.80
G street, East to West end.....		50.90
Elliott street, Helen to Williams.....		21.20
North Twenty-second street, J to P.....		83.00
H street, East to West end.....		41.41
H street, Twenty-second to Twenty-third.....		10.45
North Twenty-third street, F to J.....		43.64
G street, Third to West Park.....		45.54
Multnomah street, Grover to Curry.....		13.74
East Glisan street, Ninth to Twelfth.....		9.10
East Sixteenth street, Holladay to Belmont...		6.00
Weidler street .. .. .		26.89
East Eighth street, Flanders to Riverside		94
Homestead .. .. .		239.81
Shaver street, Maryland to Williams avenue...		4.20
Union avenue, Broadway to Schuyler.....		51.65
East Twenty-fourth street, formerly A.....		30.96
East Oak street, Second to Water.....		1.85
East Eighth street, Ainsworth to Dekum.....		15.25
Tacoma avenue .. .. .		126.17
Spokane avenue .. .. .		64.15
Fifth street, Sellwood.....		13.41
Umatilla avenue .. .. .		361.23
Morrison street, Front to Chapman.....		6.57
Shaver street, Williams to Union avenue.....		33.70
East Seventeenth street, Morrison to Stark...		12.00
East Harrison street, Eleventh to Third.....		33.82
Vanconver avenue, Russell to Morris.....		15.11

Sixth street, Morrison to Hoyt.....	5.46
Beacon street, Milwaukie to East Eighth....	12.75
Cable street .....	13.25
Milwaukie and East Eleventh streets.....	12.58
East Stark street, Water to Sixteenth.....	1.01
Hoyt street, Fourth to Fifth.....	2.50
Madrona street .....	17.63
Fremont street .....	11.47
Grand avenue, Clay to Stark streets.....	59.26
Nineteenth street, Thurman to Sherlock streets	5.00
Front street, Madison to Lincoln streets.....	33.48
East Second street, Oak to Washington.....	5.88
Third street, Main to Columbia streets.....	6.50
Columbia street, First to Front street.....	23.16
Grand avenue, Burnside to Stark.....	12.24
Marshall street, Sixteenth to Twenty-second.	148.50
Hawthorne avenue .....	97.00
South ½ Hamilton avenue.....	8.10
Clinton street, Twenty-first to Thirty-sixth....	22.33
Gantenbein avenue .....	2.84
Commercial street .....	135.73
East Water street, Oak to Hawthorne avenue.	19.96
Couch street, First to Sixth.....	3.00
Kerby street .....	1.64
East First street, Hancock street to Holladay	
avenue .....	20.03
Belmont street .....	104.06
Fourth street, Jefferson to Burnside streets....	28.81
Burnside street, Sixth to Washington.....	129.09
Constance street .....	16.90
Going street .....	73.72
East Taylor street, Thirty-fourth to Thirty-	
eighth ..	22.50
Burnside street, Third to Sixth streets.....	4.00
Stark street, Fourth to Sixth streets.....	3.50
X street .....	11.50
Fourth street, Burnside to Glisan.....	110.67
First street, Stark to Madison.....	28.77
Curry street, Macadam to Corbett.....	6.00
Russell street, Williams avenue to Delay street	58.95
Oak street, Third to Sixth.....	4.25
Thirteenth street, Glisan to Hoyt.....	39.76
Mechanic street .....	44.16
First street, Burnside to Stark.....	1,620.25
Seventeenth street, Raleigh to Wilson.....	11.06

Union avenue, Prescott to Alberta.....	12.00
Union avenue, Morrison to Oak.....	300.43
Hood street, 50 feet s. to 125 feet n. of Woods	40.94
Lincoln, First to Seventh.....	9.52
Grover street, Hood to Macadam.....	3.50
Goodsell avenue .....	27.06
Hood, 110 feet s. to 318 feet s. of Caruthers...	81.84
East Thirty-seventh, Taylor to Hawthorne...	595.91
East Thirty-fourth, Stark to Hawthorne.....	68.56
First street, Madison to Woods.....	82.24
East Twentieth street, Hawthorne avenue to	
East Stark .....	309.17
East Morrison street, Grand avenue to East	
Seventh street .....	2.75
Water and Hood streets.....	17.51
Yamhill street, First to Fourth.....	208.17
Grand avenue, Clay to Grant.....	18.58
S. ½ Salmon street, Twentieth to Twenty-third	4.75
East Water street, Hawthorne to East Clay...	1.50
Columbia street, Third to Water.....	5.25
Front street .....	125.30
Goldsmith street .....	.25
Pine street, Second to Third.....	613.02
Fourteenth street, Quimby to Raleigh.....	1.00
Oxford street .....	3.00
Grand avenue, Grant to Caruthers.....	36.38
Northrup street, Ninth to Twelfth.....	224.80
East Washington, Sixth to Eighth.....	1.50
Main street, Front to First.....	149.48
McMillen and Williams avenue.....	299.78
East Clay street, Water to Eleventh.....	80.36
Eleventh street, Northrup to Quimby.....	42.26
Third street, Lincoln to Sheridan.....	.34
Elm street, Sixteenth to Chapman.....	3.00
Corbett street .....	1.90

\$ 8,451.61½ \$ 8,451.61½

## SEWER FUND.

Balance in fund, as stated.....\$ 1,220.69

## Credited as follows:

P street .....	\$ 134.44
Q street .....	38.36
Marquam gulch .....	7.22
Pennoyer street.....	9.07
Williams avenue et al.....	90.00
Whittaker street .....	1.05
Woods-street gulch .....	77.53
Pacific street et al.....	9.10
East Alder et al.....	376.09
East Fifteenth, 100 ft. n. Morrison to Taylor.....	14.45
East Taylor, Nineteenth to Twenty-sixth.....	9.78
Rodney avenue et al.....	9.00
First street, Whittaker to Grover.....	7.20
Macadam street, Gibbs to Woods.....	1.00
Portland Heights .....	211.67
East Eleventh, Division to Hawthorne avenue.....	6.36
Eugene, 100 ft. w. Rodney to Williams avenue.....	5.00
East Grant street, Sixth to Ninth.....	5.20
Woods street, Third to Water.....	2.97
East Eighth, Grant to Hawthorne avenue.....	124.93
Vaughn and Twenty-fifth streets.....	27.60
East Sixth street, Yamhill to Alder.....	27.00
Northrup street, Ninth to Twelfth.....	9.27
Hood street .....	16.40
	<hr/>
	\$ 1,220.69    \$ 1,220.69

## STREET EXTENSION FUND.

Balance, as stated.....\$ 2,915.24

## Credited as follows:

Heights Terrace street.....	10.00
V street .....	472.50
W street .....	671.00
East Eleventh street.....	14.70
Q street .....	5.00
Hawthorne avenue .....	19.40
East Fifth street, Stark to Clay.....	6.00
Twenty-sixth street .....	433.50
Dawson street .....	12.00

Commercial street .....	2.00
Sixth street, north to south line Sheridan street.....	128.91
Peninsular street .....	6.16
Clinton street .....	20.65
East Twenty-eighth street .....	30.00
Corbett street .....	84.42
Willis boulevard .....	5.00
Belmont street .....	4.00
Clinton street .....	75.00
Harrison street .....	60.00
Twenty-fifth street, Thurman to Vaughn.....	855.00
	<hr/>
	\$ 2,915.24    \$ 2,915.24

Respectfully submitted,

FRANK HACHENEY, City Treasurer.

I hereby certify that the above is a correct copy of the Quarterly Report of the city treasurer for the quarter ending December 31, 1897.

A. N. GAMBELL, Auditor.

Portland, Or., February 3, 1898.

# SUPERINTENDENT OF STREETS' REPORT.

Office of the Superintendent of Streets,  
Portland, Oregon, December 31, 1897.

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

Gentlemen—I have the honor to submit herewith my report of the operations of the Street Department of this city during the year 1897, together with the accompanying tabulated statements and statistics:

## STREETS.

From the tables of "Streets Improved Under Ordinances" and of "Streets Improved Under Permits," it will be seen that unprecedented activity has prevailed during the year, and that our citizens are awakening to the importance of good streets. Several have been improved with modern pavements, wood blocks and vitrified brick upon solid concrete foundations, but these streets, as well as those constructed during 1896, have not been in use long enough to enable me to report on their durability and adaptability to our climatic conditions; however, to judge from present appearances, they will answer all the requirements of a good, substantial and permanent pavement. A number of streets were ordered to be repaired by ordinances passed by your honorable body under authority of section 124 of the City Charter, by bringing them to the established grade with the same kind of material with which they were first improved. These streets are now in good condition, and will not need further repairs for some time.

## ELEVATED ROADWAYS.

Many of the elevated roadways have been repaired, the substructures by the city and the decking by the adjacent property-owners, during the year, at considerable expense—more, in some cases, than the value of the structures warranted—but the stringency of money matters made the expenditure justifiable. They will now answer for a time, but will continue to be a large item in the city's expense account until the ravines over which they are built are filled with earth.

## SEWERS.

The sewers of the city have not given serious trouble, but the large mileage of dirt, gravel and macadam streets makes the work of

keeping the catch-basins clean one of no small magnitude. Stoppages in the sewers, caused by the large amount of dirt and debris washed from the higher levels, have been frequent in the smaller ones, but prompt attention has prevented any grave difficulty.

Tanner Creek Sewer. Repairs were made to this sewer near the river by rebuilding the broken section and covering it with ballast. It is believed that that part of the sewer will give no further trouble. The rock and gravel which had accumulated in the sewer at and near the corner of Fourteenth and Couch streets and Glisan and Twelfth streets, and amounting in the aggregate to 157 cubic yards, was removed, but these places will probably require attention every year. The results proved the wisdom of the expenditures made by your honorable body on repairs at the inlet of this sewer during the summer. Although the November storms were extremely severe, the waters were confined in their proper channels and no damages other than slight injury to the grates above the inlet basin resulted. These grates have been repaired, and the large amount of gravel brought down and deposited in the receiving basin is now being removed.

Johnson Creek Sewer. Your attention is again respectfully called to Johnson creek above the inlet of the sewer at the Park. This stream brings down large quantities of rock and debris during hard storms, which cause considerable expense for their removal and are a constant menace. Whether anything more is done or not, the inlet basin must be rebuilt and enlarged this coming season. About 1,312 feet west of the inlet the property-owners some years ago constructed a large timber crib. This crib was built to sustain a hillside road. I do not think that there is immediate danger, but the structure being of timbers, and the hillside steep, it is liable to come down some day and fill the road and stream. Should this occur during the rainy season, great damages might follow. The location of the hillside road above mentioned is the cause of the large amount of loose rock brought down in the winter. The most thorough and permanent way to obviate all the difficulty would be to extend Johnson creek sewer to a point about 300 feet from the rock crusher, a distance of 2,650 feet above the present inlet of the sewer. A cheaper plan, which I believe would answer well, is to construct a brick and stone culvert from the east end of the above-mentioned crib to the point above the crusher, a distance of 1,330 feet. In other words, build the sewer where the danger from the crib and where the loose rock is. Were this done, I feel convinced that there would be little difficulty in keeping the rock out of the sewer proper. Should it, however, not be deemed expedient to build either of the above suggested sewers the coming summer, this department will endeavor to protect the sewer by improving the inlet and cleaning the channel, as has been done during the past season. The sewer and

protecting grates are in good condition now, and no damage was done during the present winter.

Marquam Gulch Sewer. Some changes have been made by me at the inlet of this sewer, which proved very satisfactory and a great improvement over former conditions.

The east side sewers continue to do their work well, and have given no serious trouble. Some of the smaller ones are subject to frequent stoppages on account of the limited number of houses connected with them. The extreme north, east and southeast portions of the city are still without sewers, but to provide them would require so large an expenditure for trunk sewers that the property is hardly able to bear it at this time.

In general, our sewers are not more expensive to maintain than those of other cities similarly situated. As the city grows and new sewers are constructed, the maintenance expenses will increase, rather than decrease.

PARKS.

In all countries, public parks are the pride of the cities, and afford the greatest health-promoting pleasures to the people, but owing to the limited appropriations your honorable body has been able to make for park purposes, those of our city are not improved as rapidly and thoroughly as the interests and welfare of the public demand.

City Park. During the year just closed, the animal buildings, bird-houses, greenhouses, bandstand and the roof of the park-lodge have been painted, and the stables and animal cages whitewashed inside. A good, serviceable fence was constructed around the seal and duckponds, and substantial steps were built on several of the banks. An asphalt walk was laid and a macadamized driveway made from the Park Avenue entrance to the animal and birdhouses. Seven new swings were erected in the picnic ground, and the rustic seats all over the park thoroughly repaired. There are about eight acres of land in the southern part of the park that are still in a wild state; the park-keeper estimates that to improve this tract will require an expenditure of about \$8,000.00.

Chapman and Lownsdale Squares. These squares have been well attended to during the summer and fall months. Ornamental shrubbery is needed to mix with the trees to beautify the grounds. New concrete sidewalks will have to be constructed soon, as the present wooden sidewalks are almost entirely worn out.

Park Blocks Between Park and West Park Streets. These blocks ought to be spaded up, manured and laid out in lawns. Cement walks should be constructed diagonally across the blocks and ornamented

shrubbery set out. In their present condition they are neither useful nor sightly.

Holladay Avenue Park. This park would be a pretty place if laid out in park form, and, if so improved, would add much to the pleasures of the ladies and children in that part of the city. At present it is almost wholly unimproved.

ELECTRIC STREET LIGHTS.

At this date the city is lighted by 673 arc lights of 2,000 candle-power each, and 649 incandescent lamps of 25 candle-power each, an increase of 21 arc lamps and a decrease of 30 incandescent lamps during the year. That portion of the city lying on the west side of the river is lighted by 326 arc and 637 incandescent lamps, and that portion lying on the east side of the river by 347 arc and 12 incandescent lamps.

The Police Department furnishes this office a daily report of all lamps not burning, and length of time out, and deductions are made from the monthly bills for all the lights so reported. During the year 1897 these deductions amounted to \$589.01.

The total cost of lighting the city for the past year has been \$81,510.64.

PERMITS ISSUED IN 1897.

To dig up streets for laying sewer pipes .....	245
To dig up streets for laying gas pipes .....	85
To dig up streets for laying water pipes .....	71
To use streets for building purposes.....	224
To use streets for moving buildings .....	15
To improve streets .....	13
To erect private lights .....	12
	<u>665</u>

NOTICES ISSUED.

To repair sidewalks and crosswalks .....	1,569
Miscellaneous notices, such as to erect barricades, to trim trees, to remove obstructions, to repair roadways and bridges, to fill holes in streets, to clean sidewalks, etc.....	1,173
	<u>2,742</u>

Cost of buildings erected in 1897, or now in course of erection, as shown by permits, is \$418,795. This amount only shows the cost of the buildings for the erection of which the public streets had been occupied and used.



I would especially call your attention to the tables and statements hereto attached.

Respectfully submitted,

WILLIAM B. CHASE,  
Superintendent of Streets.

LIST OF TABLES AND STATEMENTS HERETO ATTACHED.

No.

- 1—Streets improved under ordinances.
- 2—Streets improved under permits.
- 3—Streets ordered to be improved by ordinances, but on which work has not yet been commenced.
- 4—Improvement of streets commenced in 1896 and finished in 1897.
- 5—Length of roadways, sidewalks and crosswalks in the city of Portland, Oregon, December 31, 1897.
- 6—Plans for street work prepared in 1897.
- 7—Sewers constructed under ordinances in 1897.
- 8—Length and description of sewers in the city of Portland, December 31, 1897.
- 9—Sewer plans prepared in 1897.
- 10—New catchbasins constructed in 1897.
- 11—Catchbasins repaired, moved and rebuilt in 1897.
- 12—Sewers repaired in 1897.
- 13—List of new iron manhole covers supplied in 1897.
- 14—List of furniture, books, records and office supplies in office of Superintendent of Streets.
- 15—List of wagons, teams, etc., for repairing streets, bridges and sewers.
- 16—List of tools: (a) for repairing streets, sewers, etc; (b) at City Park.
- 17—List of buildings at City Park.
- 18—List of animals and birds at City Park.

NO. 1—STREETS IMPROVED IN 1897 UNDER ORDINANCES.

Ordinance..	Streets and Kind of Improvement.	Length in feet....	Contractors.	Accepted....	Cost.
10069	First street, from the S. line of Burnside street to the S. line of Stark street, by laying artificial stone curbs and paving the roadway with vitrified brick on a six-inch concrete foundation .....	1300	A. Hamilton	Oct. 6	\$11,483
10099	Twenty-fourth street, from the S. line of Doshers 2d addition to N. line of York street, by grading the street to the established grade and constructing sidewalks, crosswalks and plank gutters .....	390	A. Hamilton	July 7	473
10100	York street, from W. line of Twenty-third street to the E. line of Twenty-fourth street, by grading the street to the established grade and constructing sidewalks, crosswalks and plank gutters .....	450	A. Hamilton	July 7	393
10101	Twenty-third street, from the S. line of Wilson street to the S. line of St. Helens county road, by grading the street to the established grade and constructing sidewalks, crosswalks and plank gutters .....	1230	L. Janion, James Reilly and A. Hamilton	July 7	988
10102	X street, from E. line of Twenty-fourth street to northwesterly line of a tract of land deeded by J. C. Doshers and wife to I. Willis, by grading the street to the established grade and constructing sidewalks, crosswalks and plank gutters .....	1420	J. Reilly and A. Hamilton	July 7	1,423
10144	Thirteenth street, from N. line of Glisan street to the S. line of Hoyt street, by macadamizing the roadway full width....	200	J. M. Manning	May 19	301
10183	Mechanic street, from E. line of Union avenue to W. line of E. Ninth street, by grading the street to the established grade, laying sidewalks and graveling the roadway full width .....	1290	O'Neil & Drew	Aug. 4	1,561

Ordinance..	Streets and Kind of Improvement.	Length in feet....	Contractors.	Accepted...	Cost.
10220	Seventeenth street, from the center line of Raleigh street to bridge between Wilson and Vaughn streets, by bringing the street to the established grade with crushed rock and rock screenings.....	1130	Smyth & Howard	Aug. 4	602
10221	Goodsell avenue, from N. line of E. Stark street to N. line of Mayor Gates' addition, by grading the street to the established grade, laying sidewalks and planking the roadway, full width, with 5x5-inch grain-edge yellow fir planks .....	1280	A. Hamilton	Oct. 6	2,780
10227	Hood street, from 110 feet of S. line of Caruthers street to 318 feet S. of S. line of Caruthers street, by redecking the roadway with 4x12-inch yellow fir planks and replacing unsound stringers with new .....	208	O. B. Terry and Wm. Lind	June 2	283
10247	Washington street, from the W. line of First street to the E. line of Third street, by laying artificial stone curbs and paving the roadway full width with blocks upon a six-inch concrete foundation .....	460	O'Neil & Drew	Aug. 18	2,808
10285	Lincoln street, from W. line of First street to 230 feet W. of of the W. line of Seventh street, by grading the street to the established grade, laying curbs and crosswalks and macadamizing the roadway full width, with stone gutters at the intersections .....	2000	J. M. Manning	Oct. 6	2,370
10286	Yamhill street, from W. line of First street to E. line of Fourth street, by laying artificial stone curbs and by paving the roadway full width with wood blocks upon a six-inch concrete foundation .....	660	L. McClosky	Nov. 3	3,970

Ordinance..	Streets and Kind of Improvement.	Length in feet....	Contractors.	Accepted...	Cost.
10287	Hood-street bridge, from 50 feet of the S. line of Wood street to 125 feet N. of the N. line of Wood street, by redecking the elevated roadway, full width, with 4x12-inch yellow fir planks and replacing decayed stringers with new.....	235	Dill Bros.	Aug. 4	212
10288	Columbia street, from W. line of Third street to the center line of Water street, by bringing the street to the established grade, full width, with crushed rock and crushed rock screenings.....	1090	Wm. Lind and J. M. Manning	Nov. 3	312
10289	Water and Hood streets, from S. line of Clay street to N. line of Grover street, by replacing old and worn-out planks and redressing certain portions of the street with crushed rock and screenings .....	4420	W. J. Kelly, S. S. Dill, O. B. Terry, Smyth & Howard	Nov. 3	227
10290	Grover street, from W. line of Hood street to the E. line of Macadam street, by constructing new crosswalks and redressing the roadway twenty feet wide in the center of the street with crushed rock and rock screenings.....	260	Smyth & Howard	Aug. 18	122
10291	Union avenue, from the S. line of E. Morrison street to the S. line of E. Oak street, by replacing trestle and planking the roadway with 4x12-inch yellow fir planks .....	1040	A. Hamilton, Wm. Lind	Aug. 4	2,130
10292	Front street, from a line at right angles to the center line of Front street, 50 feet southerly to the N. point of block 16 in Watson's addition to the northwesterly line of block 31 in Sherlock's addition, by repairing and recovering elevated roadway, by replanking certain portions of the street and graveling others .....	3430	Wm. Lind, Tichner & Howard	Nov. 17	4,132

Ordinance..	Streets and Kind of Improvement.	Length in feet....	Contractors.	Accepted...	Cost.
10304	East Water street, from 6 feet N. of S. line of Hawthorne avenue to center line of E. Clay street, by constructing an entirely new elevated roadway.....	236	A. Hamilton	Sept. 15	628
10312	East Thirty-seventh street, from S. line of E. Taylor street to N. line of Hawthorne avenue, by grading the street to the established grade, laying sidewalks and crosswalks and planking the roadway sixteen feet in width in the center of the street with 4-inch planks.....	1020	O. B. Terry	Oct. 6	1,191
10330	Glisan street, from W. line of Park street to W. line of Twenty-second street, by grading the street, full width, to the established grade, by bringing the roadway, full width, to grade, with crushed rock and rock screenings, and by constructing sidewalks and crosswalks.....	4420	J. M. Manning, O'Neil & Drew		2,089
10331	Oxford street, from E. line of Union avenue to W. line of E. Ninth street, by grading the street to the established grade and by laying sidewalks and crosswalks and constructing box gutters across the street.....	1290	A. Hamilton	Dec. 1	1,027
10333	First street, from S. line of Madison street to N. line of Wood street, by redressing the roadway, full width, with crushed rock and crushed rock screenings.....	5020	W. J. Kelly, S. S. Dill.	Oct. 6	2,284
10334	Grand avenue, from N. line of E. Clay street to northeasterly rail of the S. P. Co.'s track at the intersection of E. Grant street and Grand avenue, by redressing and bringing the roadway to the established grade with gravel.....	1040	O'Neil & Drew, Thos. Hislop, W. J. Kelly	Nov. 17	410

Ordinance..	Streets and Kind of Improvement.	Length in feet....	Contractors.	Accepted...	Cost.
10335	East Morrison street, from E. line of Grand avenue to a line 44 feet E. of E. line of Seventh street, by grading a certain portion of the street to the established grade and by replanking other portions.....	500	A. Hamilton and Wm. Lind	Oct. 20	897
10373	McMillen street and Williams avenue—McMillen street, from S. W. line of Crosby street to S. W. line of Quincy street; Williams avenue, from northwesterly line of McMillen street to center line of Alberta street, by grading the same to the established grade, by putting down sidewalks, by planking the roadway, full width, with 6x6-inch yellow fir, grain-edged planks, and by redecking the elevated roadways.....	10541	Wm. Lind, Smyth & Howard		21,668
10374	East Salmon street, south half, from the E. line of E. Twentieth street to W. line of E. Twenty-third street, by grading the street to the established grade and laying sidewalks.....	710	Wm. Lind	Oct. 20	176
10375	East Washington street, from E. Seventh street to the W. line of E. Eighth street, by bringing the bridge to established grade, strengthening the sub-structure, redecking the roadway and sidewalks and constructing new guard fence.....	260	A. Hamilton	Dec. 1	1,326
10406	Crosby street, from N. line of Holladay avenue to the S. E. line of McMillen street, by grading the street to the established grade, by graveling the roadway, full width, and constructing sidewalks and crosswalks.....	520	Smyth, Howard & Lind		

Accepted...	Streets and Kind of Improvement.	Length in feet....	Contractors.	Accepted...	Cost.
10407	Grand avenue bridge, from the N. line of E. Everett street to 137 feet N. of the N. line of E. Flanders street, by bringing the roadway to the established grade, strengthening the sub-structure and covering the roadway, full width, with 4x12-inch yellow fir planks .....	397	Smyth, Howard & Lind		965
10408	Grand avenue bridge, between E. Grant and E. Caruthers streets, by redecking the roadway, full width, with 4x12-inch yellow fir planks and replacing worn-out and decayed stringers .....	520	S. S. Dill and Smyth, Howard & Lind	Dec. 1	806
10418	Seventeenth street, from S. line of Morrison street to the S. line of Taylor street, by grading the street to the established grade, by constructing sidewalks and crosswalks, and by macadamizing the roadway, full width.....	520	J. M. Manning		655
10441	Twenty-second street, from the N. line of Johnson street to S. line of St. Helens county road, by grading the street to the established grade, by laying curbs, sidewalks and crosswalks, and macadamizing the roadway, full width..	4660	A. Hamilton, J. M. Manning, Smyth, Howard & Lind		
10442	Going street, from W. line of Union avenue to E. line of Williams avenue, by grading the street to the established grade, by laying sidewalks and crosswalks and graveling the roadway, full width, with stone gutters at the intersections .....	1230	O'Neil & Drew		
10443	Borthwick street, from N. line of Shaver street to the N. line of Central Albina, by grading the street to the established grade and laying sidewalks and crosswalks.....	1220	Louis Janin		

Ordinance...	Streets and Kind of Improvement.	Length in feet....	Contractors.	Accepted...	Cost.
10444	Goldsmith street, from 327 feet to 802 feet S. of the S. line of Page street, by strengthening the sub-structure and re-decking the elevated roadway with 4x12-inch yellow fir covering planks .....	475	A. Hamilton	Nov. 3	1,494
10445	East Clay street, from E. line of E. Water street to the W. line of E. Eleventh street, by bringing certain portions of the street to grade with gravel and redecking the elevated roadway with 4x12-inch yellow fir planks and by constructing new crosswalks and box gutters.....	2780	S. S. Dill, Thos. Hislop, W. J. Kelly	Dec. 8	1,184
10477	Fifth street, from the S. line of Lincoln street to the N. line of Caruthers street, by redecking with 4x12-inch yellow fir covering plank the east side of the roadway, 12 feet wide, and also the space between the rails and tracks of the street railway .....	720	W. J. Kelly		
10478	Hancock street, from the E. line of First street to the W. line of Union avenue, by grading the street to the established grade and laying sidewalks and crosswalks.....	700	Smyth, Howard & Lind, J. M. Manning		
10479	Fourteenth street, from center line of Quimby street to center line of Raleigh street, by redecking with 4x12-inch yellow fir covering planks the east side of the roadway, 12 feet wide, and also the space between the rails and tracks of the street railway .....	260	A. Hamilton	Dec. 1	264
10480	Northrup street, from 100 feet E. of the E. line of Ninth street to 70 feet E. of the E. line of Twelfth street, by redecking the roadway, 20 feet in width, with 4x12-inch yellow fir covering planks.....	800	S. S. Dill		618

Ordinance..	Streets and Kind of Improvement.	Length in feet....	Contractors.	Accepted...	Cost.
10481	Eleventh street, from 150 feet S. of the S. line of Northrup street to 20 feet N. of the S. line of Quimby street, by replacing worn-out and decayed stringers with new ones, repairing fences and redecking the roadway, 20 feet in width, with 4x12-inch yellow fir covering planks.....	930	Smyth, Howard & Lind	Dec. 15	1,203
10498	Front street, from 15 feet N. of N. line of Wood street to the S. line of Grover street, by redecking the roadway, 24 feet in width, with 4x12-inch yellow fir planks, and by replacing worn-out and decayed stringers with new ones..	275	A. Hamilton		
10499	Main street, from W. line of Front street to the E. line of First street, by bringing the roadway to the established grade with crushed rock and crushed rock screenings....	200	O'Neil & Drew	Dec. 15	231
10500	First street, from 100.55 feet N. of the N. line to 100 feet S. of the S. line of Grover street, by redecking the roadway 24 feet in width with 4x12-inch yellow fir covering planks, and by replacing worn-out and decayed stringers with new .....	260.55	A. Hamilton		
10501	Corbett street, from 110 feet N. of the N. line of Pennoyer street to 30 feet S. of the S. line of Pennoyer street, by redecking the roadway, 24 feet in width, with 4x12-inch yellow fir covering planks, and by replacing worn-out and decayed stringers with new .....	200	O'Neil & Drew Smyth & Howard, B. S.		
10536	Skidmore street, from W. line of Williams avenue to E. line				

Ordinance..	Streets and Kind of Improvement.	Length in feet....	Contractors.	Accepted....	Cost.
10538	Mississippi avenue, by grading the street to the established grade and laying sidewalks and crosswalks .....	2160	Reilly, O'Neil & Drew		
	East Eleventh street, from the center line of Hawthorne avenue to S. line of Division street, by bringing the roadway to the proper grade, full width, with gravel, and constructing sidewalks.....	2670	A. Hamilton		

## NO. 2—STREETS IMPROVED UNDER PERMITS.

Cleveland avenue, in front of lots 2 and 3, in block 24, Albina, by laying 100 lineal feet of sidewalk.

Margarette street, in front of lots 5, 6, 7, 8, Brookdale, by laying 90 lineal feet of sidewalk.

Cleveland avenue, in front of lots 5, 6, 7 and 8, in block 24, Albina, by grading street 200 lineal feet.

E. Lincoln street, in front of lot 4, in block 95, by grading 100 lineal feet on N. half of street.

Failing street, in front of lot 16, in block 24, Albina, by grading 100 lineal feet on S. half of the street.

Cleveland avenue, in front of lot 4, in block 24, Albina, by grading street 50 lineal feet.

Hoyt street, in front of lot 2, block 119, Couch, by macadamizing street 100 lineal feet and laying 18 lineal feet of stone crosswalks.

Commercial street, in front of lots 5 and 6, in block 16, Central Albina, by grading the street 100 lineal feet.

Thirteenth street, from the N. curb line of Burnside street to the south curb line of Couch street, in front of and abutting upon blocks 82 and 93, Couch addition, by laying 448 lineal feet of artificial stone curb and paving the street, full width, with vitrified brick upon a six-inch concrete foundation.

Seventh street, in front of the property of the Terminal Company, in Couch addition, by grading the street to the established grade and paving the roadway, full width, with Belgian stone blocks 980 lineal feet.

Dixon street, in front of lot 9, in block 18, Elizabeth Irving addition, by laying 150 lineal feet of sidewalk.

Hancock street, S.  $\frac{1}{2}$ , and Second street, W.  $\frac{1}{2}$ , in front of lots 1, 7, 8, in block 246, Holladay's addition, by grading 300 lineal feet.

East Twenty-second street, in front of lots 8, 9, 10, 11, 12, 13 and 21, in block 8, Irvington addition, by grading the street to the established grade and graveling the roadway, full width.

East Thirty-fifth street, in front of lots 13, 14, 15, 16, in block 53, Sunnyside addition, by grading 133 lineal feet on W. half of street.

Twenty-sixth street, in front of and abutting upon fractional blocks J and K, blocks F and G, and fractional blocks B and C, and upon the intersections of said street with X and York streets, Mead's Second addition, by grading the street to the established grade, 330.53 lineal feet.

## NO. 3—STREETS ORDERED TO BE IMPROVED BY CITY ORDINANCES, BUT ON WHICH WORK HAS NOT YET BEEN COMMENCED.

East Sherman street, from the center line of E. Seventh street to W. line of E. Twelfth street. Ordinance No. 10,570 provides for grading and graveling the roadway and putting down new sidewalks.

Mason street, from W. line of Williams avenue to E. line of Mississippi avenue. Ordinance No. 10,537. Roadway to be graded and sidewalks and crosswalks laid.

Failing street, from W. line of Williams avenue to E. line of Mississippi avenue. Ordinance No. 10,534. Roadway to be graded and sidewalks and crosswalks laid.

Kerby street, from N. line of Shaver street to N. line of Central Albina. Ordinance No. 10,535. To be graded and sidewalks and crosswalks laid.

Albina avenue, from N. line of Beech street to N. line of Central Albina. Ordinance No. 10,569. To be graded and sidewalks and crosswalks laid.

## NO. 4—IMPROVEMENT OF STREETS COMMENCED IN 1896 AND FINISHED IN 1897.

Burnside street, from W. line of Sixth street to northwesterly line of Washington street.

Union avenue, from center line of Prescott street to S. line of Alberta street.

Curry street, from W. line of Macadam street to E. line of Corbett street.

Burnside street, from W. line of Third street to E. line of Sixth street.

Russell street, from W. line of Williams avenue to E. line of Delay street, as laid out.

First street, from S. line of Stark street to N. line of Madison street.

Oak street, from W. line of Third street to E. line of Sixth street.

NO. 5—LENGTH OF ROADWAYS, SIDEWALKS AND CROSSWALKS  
IN PLACE IN THE CITY OF PORTLAND, OREGON,  
DECEMBER 31, 1897.

	In Lineal Feet....	In Miles...
Bituminous rock pavement .....	4,925	.93
Asphalt .....	14,985	2.84
Macadam .....	209,446	39.67
Gravel .....	215,947	40.90
Stone blocks .....	21,553	4.08
Plank roadways .....	83,374	15.79
Bridges .....	40,735	7.71
Wood blocks .....	7,793	1.48
Brick .....	3,081	.58
Graded streets, unpaved.....	386,694	73.24
	988,533	187.22
Sidewalks—		
Wood .....	1,535,322	290.79
Cement, stone, brick and asphalt .....	90,414	17.11
	1,625,736	307.90
Crosswalks—		
Wood .....	201,430	38.15
Stone .....	5,797	1.10
	207,227	39.25

NO. 6—PLANS FOR STREET WORK PREPARED IN 1897.

Goodsell avenue, planking, from N. line of E. Stark street to N. line of Mayor Gates' addition.

Washington street, wood pavement, from W. line of First street to E. line of Third street.

First street, repairing elevated roadway from 89 feet S. of S. line of Sheridan street to 162 feet N. of N. line of Meade street.

Union avenue, repairing and replanking from S. line E. Morrison street to S. line E. Oak street.

Yamhill street, wood pavement, from W. line of First street to E. line of Fourth street, except Third-street intersection.

Front street, repairing, from 56 feet southerly from N. point block 16, Watson's, to N. line block 31, Sherlock's addition.

East Water street, elevated roadway, from 6 feet N. of S. line of Hawthorne avenue to center line of E. Clay street.

East Thirty-seventh street, planking, from S. line of E. Taylor street to N. line of Hawthorne avenue.

East Morrison street, planking, from E. line of Grand avenue to 44 feet east of E. line of E. Seventh street.

Williams avenue, planking, from northwesterly line of McMillen street to Alberta street.

Williams avenue, reconstructing of elevated roadway between Hancock and San Rafael streets.

McMillen street, planking, from S. W. line of Crosby street to S. W. line of Quincy street.

Front street, repairing of elevated roadway from 15 feet N. of Woods street to S. line of Grover street.

First street, repairing of elevated roadway from 100.55 N. of Grover street to 100 feet S. of Grover street.

Corbett street, repairing of elevated roadway from 110 feet N. of Pennoyer street to 30 feet S. of Pennoyer street.

Corbett street, improvement of, from Bancroft avenue to Grover street, general plan.

Grand avenue, improvement of, from E. Burnside street to Holladay avenue, general plan.

PLANS FOR

Grate, for Tanner creek, at the head of Tanner creek sewer.

NO. 7—CONSTRUCTION OF SEWERS UNDER ORDINANCES, 1897.

NO. OF ORDINANCE	Streets—From and To	MATERIAL	SIZE IN INCHES	LENGTH IN FEET	DATE OF ACCEPTANCE	Contractors	Cost
10015	Tillamook, 145 ft w of w l of Rodney av to swr Williams ave .....	T. C.	8.	495	Jan. 26, '97	B. S. Reilly	\$ 153.80
10185	Vancouver av, 150 ft n of n l of Page to swr in Vancouver av .....	T. C.	8.	260	Apr. 27, '97	J. B. Slemmens	122.00
10186	Tillamook; 175 ft w of w l of Union av to swr in Rodney av .....	T. C.	8.	436	Apr. 26, '97	J. B. Slemmens	130.45
10222	Quincy, 25 ft s of Halsey to swr in E. 1st.....	T. C.	8.	395	May 24, '97	J. B. Slemmens	155.45
10223	E. 32d, 150 ft s of s l of E. Yamhill to swr in E. Yamhill .....	T. C.	10.	165	June 7, '97	J. B. Slemmens	44.11
10251	E. 8th, s l of E. Stark to swr in E. Alder.....	T. C.	10.8	497	July 26, '97	B. S. Reilly	310.20
10294	E. 33d, s l of E. Salmon to swr in E. Yamhill...	T. C.	10.	534	Aug. 11, '97	C. W. Huggins	256.00
10313	E. 8th, s l of Belmont to E. Yamhill.....	T. C.	8.	215	July 26, '97	B. S. Reilly	49.95
10314	E. 8th, center l (25' N.) of E. Grant to swr in Hawthorne av .....	T. C.	10.8	1,748	Sept. 8, '97	C. W. Huggins	892.80
10315	Woods, 200 ft w of n l of Third to Woods-st gulch swr at Water.....	T. C.	8.	1,273	Aug. 24, '97	C. W. Huggins	517.42
10336	Vaughn and 25th, 200 ft w of 25th to swr in Wilson .....	T. C.	12.8	478	Sept. 7, '97	B. S. Reilly	347.85
10337	E. 6th, 175 ft s of s l of E. Yamhill to swr in E. Alder .....	T. C.	8.	992	Sept. 25, '97	J. B. Slemmens	854.00
10376	Northrup, 100 ft e of e l of 21st to swr in Northrup .....	T. C.	10.8	870	Sept. 25, '97	J. B. Slemmens	540.35
10419	Hood, s l of blk 82, Caruthers' Add to swr in Corbett .....	T. C.	8.	588	Oct. 12, '97	B. S. Reilly	279.65
10420	Crosby, s l of Cherry to swr in Crosby at 50' s of Halsey .....	T. C.	10.	550	Oct. 12, '97	B. S. Reilly	481.60
10447	E. Morrison, 100 ft e of e l of E. 33d to swr in E. 34th .....	T. C.	8.	200	Oct. 23, '97	J. B. Slemmens	107.70
10448	Union av, 25 ft s of s l of E. Morrison to swr in E. Alder .....	T. C.	8.	323	Oct. 23, '97	J. B. Slemmens	244.40







## NO. 9—SEWER PLANS PREPARED IN 1897.

Vancouver avenue, 150 feet N. of the N. line of Page street to sewer in Vancouver avenue.

Tillamook street, 175 feet W. of the W. line of Union avenue to sewer in Rodney avenue.

Quincy street, 25 feet S. of Halsey street, to sewer in E. First street.

East Thirty-second street, 150 feet S. of the S. line of E. Yamhill street to sewer in E. Yamhill street.

East Eighth street, S. line of E. Stark street to sewer in E. Alder street.

East Thirty-third street, S. line of E. Salmon street to sewer in E. Yamhill street.

East Eighth street, S. line of Belmont street to sewer in E. Yamhill street.

East Eighth street, center line (25 feet N.) of E. Grant street to sewer in Hawthorne avenue.

Woods street, 200 feet W. of the W. line of Third street to Woods-street gulch sewer at Water street.

Vaughn and Twenty-fifth streets, 200 feet W. of Twenty-fifth street to sewer in Wilson street.

East Sixth street, 175 feet S. of the S. line of E. Yamhill street to sewer in E. Alder street.

Northrup street, 100 feet E. of the E. line of Twenty-first street to sewer in Northrup street.

Hood street, S. line of block 82, Caruthers' addition, to sewer in Corbett street.

Crosby street, S. line of Cherry street to sewer in Crosby street at 50 feet S. of Halsey street.

East Morrison street, 100 feet E. of the E. line of E. Thirty-third street to sewer in E. Thirty-fourth street.

Union avenue, 25 feet S. of the S. line of E. Morrison street to sewer in E. Alder street.

First street (rejected), 25 feet N. of Lowell avenue to the Thomas creek sewer.

East Taylor and Thirty-second streets, 115 feet E. of the E. line of E. Thirty-first to sewer in E. Thirty-second street.

East Fourteenth street, 75 feet N. of the N. line of E. Yamhill street to sewer at E. Taylor and E. Fourteenth streets.

## NO. 10—NEW CATCH BASINS BUILT IN 1897.

2 at Russell and Delay streets.

1 at Fifth and Pine streets.

1 at Sixteenth and Thurman streets.

1 at Ankeny and First streets.

6 at Yamhill and First streets (small ones).

6 at Washington and First streets (small ones).

6 at Stark and First streets (small ones).

6 at Pine and First streets (small ones).

2 at Washington and Third streets.

1 at Morrison and Fifth streets.

1 at Morris street and Williams avenue.

1 at Chapman and Harrison streets.

1 at Myrtle and Nineteenth streets.

1 at McMillen and Wheeler streets.

1 at East Salmon and Twenty-third streets.

1 at Williams avenue and San Rafael streets.

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## NO. 11—CATCH BASINS REPAIRED, MOVED AND REBUILT IN 1897.

3 on First and Vine streets.

1 on First and Pine streets.

1 on First and Oak streets.

1 on Park and Taylor streets.

2 on Fourth and Lincoln streets.

1 on Fifth and Lincoln streets.

2 on Third and Glisan streets.

1 on Seventh and Washington streets.

1 on Third and Main streets.

1 on Knott street and Williams avenue.

1 on Russell street and Williams avenue.

1 on Front and Everett streets.

2 on Goldsmith and McMillen streets.

1 on Glisan and Sixth streets.

1 on Benton and McMillen streets.

1 on Crosby and Clackamas streets.

1 on Twenty-second and Northrup streets.

1 on Fifth and Thurman streets.

1 on Fifth and Morrison streets.

1 on Chapman and Market streets.

- 1 on Williams avenue and Sacramento street.
- 1 on Williams avenue and Page street.
- 1 on Williams avenue and Tillamook street.
- 1 on Williams avenue and San Rafael street.
- 1 on Williams avenue and Eugene street.

30

## NO. 12—SEWERS REPAIRED IN 1897.

Designation of Sewer—	Kind of Sewer.	Material Used.
Sunnyside .....	Brick	2000 Brick
Wood street.....	Brick	2500 Brick
Tanner Creek .....	Brick	15,000 Brick
Marquam Gulch .....	Wood	1500 ft. Lumber
Harrison street .....	Wood	1000 ft. Lumber
Davis and Front streets .....	T. C. Pipe	46 feet Pipe
Williams avenue .....	T. C. Pipe	12 feet Pipe
Broadway and Seventh streets .....	T. C. Pipe	4 feet Pipe
Park and Jackson streets .....	T. C. Pipe	4 feet Pipe
Hoyt and Twentieth streets .....	T. C. Pipe	6 feet Pipe
Johnson and Thirtieth streets.....	T. C. Pipe	4 feet Pipe
Couch and Fourteenth streets.....	T. C. Pipe	60 feet Pipe
Grand avenue and Alder street .....	T. C. Pipe	12 feet Pipe
Pettygrove and Tenth streets .....	T. C. Pipe	14 feet Pipe
Overton and Ninth streets .....	T. C. Pipe	4 feet Pipe
Oak and First streets .....	T. C. Pipe	8 feet Pipe
Harrison and Seventeenth streets .....	T. C. Pipe	80 feet Pipe
Union avenue and Morrison streets.....	T. C. Pipe	None
Jefferson and Sixth streets .....	T. C. Pipe	None
East Eighth and Broadway streets.....	T. C. Pipe	None
East Seventh and Hancock streets.....	T. C. Pipe	None

## NO. 13—LIST OF IRON MANHOLE COVERS SUPPLIED IN 1897.

- 1 Russell street and Delay street.
- 1 Russell street and Mississippi avenue.
- 1 Russell street and Albina avenue.
- 1 Russell street and Borthwick street.
- 1 Russell street and Kerby street.
- 1 Russell street and Commercial street.
- 1 Russell street and Gantenbein avenue.
- 1 Russell street and Vancouver avenue.
- 1 Burnside street and Park street.
- 1 Burnside street and Seventh street.
- 1 Burnside street and Sixth street.
- 1 Burnside street and Fifth street.
- 1 Burnside street and Fourth street.
- 1 Burnside street and Third street.

- 1 Washington street and First street.
- 1 Washington street and Second street.
- 1 Oak street and Third street.
- 1 Oak street and Fourth street.
- 1 Oak street and Fifth street.
- 1 Yamhill street and First street.
- 1 Yamhill street and Second street.
- 1 Yamhill street and Third street.
- 1 East Alder street and Grand avenue.
- 1 Ankeny street and First streets.
- 1 Glisan and Second streets.

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## NO. 14—IN OFFICE.

- |  |                                   |
|--|-----------------------------------|
| 4 Gas permit books                     | 5 Paper weights                   |
| 3 Water permit books                   | 3 Carpets                         |
| 3 Sewer permit books                   | 1 Roll-top desk                   |
| 2 Permit books to remove build-ings    | 1 Flat-top desk                   |
|  | 1 Counter                         |
| 2 Building permit books                | 10 Cane-seat Chairs               |
| 2 Requisition books                    | 3 Revolving chairs                |
| 6 Notice books to repair sidewalks     | 5 Walnut chairs, upholstered      |
| 2 Notice books to trim trees           | 1 Wardrobe                        |
| 3 Notice books to fill holes           | 2 Long tables                     |
| 4 Notice books to remove obstruc-tions | 4 Small desks                     |
|  | 1 Umbrella stand                  |
| 3 Index books to cabinet               | 2 Small tables                    |
| 2 Letter copy books                    | 1 Bookcase                        |
| 4 Scrap books                          | 1 Cabinet for plans and profiles  |
| 5 Sewer record books                   | 2 Draughting hoards, with trusses |
| 2 Plumber record books                 | 2 Small draughting hoards         |
| 2 Record books of plats                | 1 Letter-press, size B            |
| 3 Electric light books                 | 3 Maps of Portland                |
| 721 Plans and profiles                 | 6 Sewer maps                      |
| 1 City directory                       | 1 Electric light map              |
| 4 Scrap books                          | 2 Triangular scales               |
| 6 Ink wells                            | 2 Large rubber triangles          |
| 3 Waste baskets                        | 1 Box rubber type                 |
| 2 Pairs scissors                       | 1 Large T square                  |
| 3 Bill clips                           | 1 Parallel ruler                  |
| 3 Steel erasers                        | 2 Straight edges                  |
| 3 Rubber stamps                        | 1 Eyelet machine                  |
| 12 Hasp files                          | Old records of the department     |

## NO. 15—WAGONS, TEAMS, ETC.

1 Express wagon	1 Wagon jack
1 Gooseneck repair wagon	1 Flat boat
1 Rock wagon	3 Horses
1 Road-scraping machine	2 Sets of double harness
1 Steam roller, 15-ton	1 Single harness
1 Horse roller, 5-ton	3 Horse covers
1 Hand truck	3 Horse blankets

## NO. 16 (a)—TOOLS FOR REPAIRING STREETS AND SEWERS.

2 Six-foot saws	3 Hand saws
4 Five-foot saws	3 Saw sets
1 Three-foot saw	1 Hoe
17 Shovels	1 Ladder
10 Picks	2 Grindstones
4 Sewer windlasses	8 Lanterns
6 Sewer buckets	3 Fire hammers
1 Sewer dredger	6 Axes
40 Feet sewer iron rods	2 Augers
400 Feet rope	2 Hand axes
1 Set of double blocks	2 Long sewer shovels
3 Single blocks	2 Cold chisels
6 Moving crates	2 Wood chisels
9 Jackscrews	1 Paving hammer
2 Jackscrew bars	120 Feet old fire hose (worn out)
1 Drawbar	2 Top mauls
2 Cant hooks	1 Adze
1 Wooden dolly	1 Sledge
8 Pike poles	1 Monkey wrench
8 Wheelbarrows	1 Steel square
9 Crowbars	

## NO. 16 (b)—TOOLS AT CITY PARK.

600 Feet fire hose (200 feet good)	22 Padlocks
150 feet fire hose	6 Hose sprinklers
2 Single harness	3 Axes
6 Mallets	2 Augers
1 Wagon	2 Crowbars
2 Pipe cutters	4 Ladders
1 48x12 cylinder boiler and fixtures, 40-horsepower	1 Grindstone
	2 Horse covers

16 Grubbing hoes	1 Sledge hammer
5 Shovels	1 Sprinkler
3 Corn rakes	2 Stencil brushes
3 Garden hoes	1 Vise
4 Sickles	5 Spades
2 Hand sprinklers	6 Wooden rakes
1 Double harness	2 Hooks
1 Crosscut saw	2 Scythes
1 Curry comb and brush	5 Mowers (2 good)
1 Set of dies	9 Wheelbarrows
2 Carts	1 Block and tackle
2 Monkey wrenches	80 Feet rope
4 Picks	

## NO. 17—LIST OF BUILDINGS AT CITY PARK.

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

## NO. 18—LIST OF ANIMALS AND BIRDS AT CITY PARK.

## ANIMALS.

1 Badger	3 Monkeys
2 Timber wolves	1 Porcupine
2 Foxes	8 Raccoons
20 Rabbits	2 Wild cats
2 Deer	3 Coyotes
3 Alligators	6 Bears
3 Seals	9 Elk
	2 Horses

## BIRDS.

2 Parrots	70 Canaries
1 Magpie	1 Crow
1 Australian nun bird	3 Quail
14 Chinese pheasants	8 Bantam chickens
1 Cockateel	2 Mandarin ducks
5 Japanese chickens	1 Common duck
4 Pea fowl	5 Geese
2 Wild ducks	5 Eagles
1 Swan	1 Alaska owl
2 Buzzards	4 Bird hawks
8 Owls	1 Sandhill crane
5 Chicken hawks	50 Common pigeons
3 Cockatoos	

## CITY SURVEYOR'S REPORT.

Portland, Oregon, January 3, 1898.

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

Gentlemen—I have the honor to hand you herewith the annual report of the operations of the City Surveyor's Department for the year ending December 31, 1897, as provided for by ordinance, containing statements of street and sewer work, estimated and done, street extension surveys; also a full statement of all work estimated to date, and a statement of the length in feet and miles of the different kinds of pavements, sidewalks and crosswalks.

The difference between work estimated and work done, is that work estimated refers to work of which estimates have been made, but the work not in all cases completed up to the time of submitting report; work done refers to the work entirely completed.

Respectfully,

FRANK F. GILHAM,

City Surveyor.

INVENTORY OF PROPERTY IN THE CITY SURVEYOR'S DEPARTMENT TO THE END OF THE YEAR 1897.

- 25 Quarter section maps of the City of Portland, with tracings and blue prints.  
 1 Lewis & Dryden's wall map.  
 1 Lewis & Dryden's atlas map of the City of Portland and vicinity.  
 360 Tracings of recorded plats, with dedications; bound blue prints of recorded plats and dedications, in four volumes.  
 23 Record books.  
 10 Certificate books.  
 1 Grade book.  
 1 Map index.  
 1 Profile index.  
 City ordinance book.  
 2 Order books.  
 150 Street and sewer blank estimates.  
 Legal caps, letter heads, miscellaneous books and stationery.  
 4 Triangles.  
 2 Wood triangles.  
 French curves.  
 1 Steel straight edge.  
 Pens, penholders, rubber erasers, and miscellaneous drawing instruments.  
 1 Pair shears.  
 1 Arm rest.  
 Ink stands.  
 Paper weights.  
 1 Roll top desk.  
 2 Office desks.  
 3 Letter files.  
 4 Drafting tables.  
 2 Small desks.  
 1 Letter press and stand.  
 11 Chairs.  
 1 Transit rack.  
 1 Cabinet profile and map case.  
 8 Window shades.  
 1 Umbrella stand.  
 4 Cuspidors.  
 1 Cabinet case.  
 1 Duster.  
 1 Room carpet (linoleum).  
 2 Room carpets (Brussels).

- 1 Wardrobe case.  
 3 Buff & Berger's engineers' transit and boxes.  
 1 Dumpy level.  
 1 Level Y.  
 4 Plum bobs.  
 1 Pick.  
 1 Post hole digger.  
 1 Drill.  
 1 Shovel.  
 2 Axes.  
 Line rods.  
 5 Steel tapes.

FRANK F. GILHAM,  
 City Surveyor.

STREET WORK ESTIMATED IN 1897—(Under Ordinance).

Number.	Name of Street.	Date of Estimate.	No. of Ordinance
1	Twenty-fourth street.....	January..... 12, 1897	10099
2	York street.....	January..... 12, 1897	10100
3	Twenty-third street.....	January..... 12, 1897	10102
4	X street.....	January..... 12, 1897	10102
5	First street.....	January..... 26, 1897	10069
6	Thirteenth street.....	February..... 9, 1897	10144
7	Mechanic street.....	March..... 29, 1897	10183
8	Front street.....	March..... 29, 1897	10167
9	Hood street.....	March..... 1897	10169
10	Seventeenth street.....	April..... 6, 1897	10160
11	Union avenue.....	May..... 20, 1897	10263
12	Front street.....	May..... 20, 1897	10262
13	Grand avenue.....	April..... 27, 1897	10227
14	Goodsell avenue.....	April..... 27, 1897	10221
15	Grover street.....	May..... 17, 1897	10218
16	Washington street.....	May..... 10, 1897	10247
17	Hood street.....	May..... 18, 1897	10214
18	Columbia street.....	May..... 17, 1897	10215
19	Water and Hood streets.....	May..... 17, 1897	10216
20	Yamhill street.....	June..... 2, 1897	10286
21	Grand avenue.....	June..... 10, 1897	10293
22	Lincoln street.....	June..... 8, 1897	10285
23	East Morrison street.....	June..... 10, 1897	10261
24	East Water street.....	June..... 9, 1897	10304
25	East Thirty-seventh street.....	June..... 28, 1897	10312
26	First street.....	June..... 22, 1897	10250
27	Oxford street.....	July..... 13, 1897	10331
28	East Washington street.....	July..... 9, 1897	10318
29	Grand avenue.....	July..... 15, 1897	10338
30	Grand avenue.....	August..... 3, 1897	10355
31	Glisan street.....	August..... 2, 1897	10330
32	South half East Salmon.....	August..... 10, 1897	10374
33	Goldsmith street.....	August..... 27, 1897	10409
34	East Clay street.....	September..... 3, 1897	10378
35	Northrup street.....	September..... 18, 1897	10421
36	Eleventh street.....	September..... 18, 1897	10423
37	Fourteenth street.....	September..... 18, 1897	10424
38	McMillen st. and Williams ave.....	September..... 21, 1897	10373
39	Crosby street.....	September..... 21, 1897	10406
40	Seventeenth street.....	September..... 23, 1897	10418
41	Corbett street.....	October..... 4, 1897	10425
42	Front street.....	October..... 4, 1897	10422
43	First street.....	October..... 4, 1897	10426
44	Main street.....	October..... 4, 1897	10446
45	Twenty-second street.....	October..... 12, 1897	10441
46	Hancock street.....	October..... 13, 1897	10478
47	Fifth street.....	October..... 19, 1897	10477
48	Going street.....	October..... 26, 1897	10442
49	Borthwick street.....	October..... 26, 1897	10443
50	East Eleventh street.....	November..... 5, 1897	10379
51	Hawthorne avenue.....	November..... 16, 1897	10502
52	Skidmore street.....	December..... 8, 1897	10536
53	Front street.....	December..... 15, 1897	10539

STREET WORK ESTIMATED IN 1897—(Under Ordinance), Continued.

Extent of Improvement.
From s. l. Doscher's 2d add. to the n. l. of York street.....
From w. l. of Twenty-third street to e. l. Twenty-fourth street.....
From s. l. Wilson street to s. l. St. Helens Co. road.....
From e. l. of Twenty-fourth st. to s. w. l. of tract owned by G. G. Willis
From s. l. of Burnside st. to s. l. of Stark st.....
From n. l. of Glisan st. to s. l. of Hoyt st.....
From the e. l. of Union ave. to w. l. of East Ninth st.....
From the n. l. of Madison st. to n. l. of Burnside st.....
From 110 ft. s. of s. l. Caruthers st. to 318 ft. s. of s. l. Caruthers st.....
From center l. of Raleigh st. to bridge bet. Raleigh and Vaughn.....
From s. l. of E. Morrison st. to s. l. of E. Oak st.....
From 150 ft. s. of the n. point blk. 16, Watson's add., to n. l. blk. 31.
Sherlock's add. ....
From n. l. E. Clay st. to s. w. l. rail of S. P. Co.'s track in E. Grant st.
From n. l. E. Stark st. to n. l. Mayor Gates' addition.....
From w. l. of Hood st. to e. l. of Macadam st.....
From w. l. of First st. to e. line of Third st.....
From 50 ft. s. of s. l. Wood st. to l. 125 ft. n. of n. l. Wood st.....
From w. l. of Third st. to the center line of Water st.....
From s. l. of Clay st. to the n. l. of Grover st.....
From the w. l. of First st. to e. l. of Fourth st.....
From n. l. of E. Clay st. to n. e. rail S. P. Co.'s track at E. Grant st.....
From w. l. of First st. to 230 ft. w. of w. l. of Seventh st.....
From e. l. Grand ave. to 44 ft. e. of e. l. of E. Seventh st.....
From 6 ft. n. of s. l. of Hawthorne ave. to c. l. E. Clay st.....
From s. l. E. Taylor st. to n. l. Hawthorne ave.....
From n. l. Madison st. to n. l. Wood st.....
From e. l. Union ave. to w. l. of E. Ninth st.....
From 50.5 ft. e. of e. l. of E. Sixth st. to w. l. E. Eighth st.....
From S. P. track at E. Grant st. to 20 ft. s. of n. l. E. Caruthers st.....
From n. l. of E. Everett st. to 137 ft. n. of E. Flanders st.....
From w. l. Park st. to w. l. Twenty-second st.....
From e. l. of E. Twentieth st. to w. l. E. Twenty-third st.....
From 329 ft. s. of Page st. to 802 ft. s. of Page st.....
From e. l. of E. Water st. to w. l. of E. Eleventh st.....
From 100 ft. e. of Ninth st. to 100 ft. e. of Twelfth st.....
From 150 ft. s. of Northrup st. to 20 ft. n. of s. l. Quimby st.....
From c. l. Quimby st. to c. l. Raleigh st.....
From s. w. l. Crosby st. to c. l. Alberta st.....
From n. l. Holladay ave. to s. l. McMillen st.....
From s. l. Morrison st. to n. l. Taylor st.....
From 110 ft. n. of Pennoyer st. to 30 ft. s. of Pennoyer st.....
From 15 ft. n. of n. l. Woods st. to s. l. Grover st.....
From 110.55 ft. n. of Grover st. to 100 ft. s. of n. l. Grover st.....
From the w. l. Front st. to e. l. First st.....
From n. l. Johnson st. to s. l. St. Helens Co. road.....
From e. l. of E. First st. to w. l. Union ave.....
From s. l. Lincoln st. to n. l. Caruthers st.....
From w. l. Union ave. to e. l. Williams ave.....
From n. l. Shaver st. to n. l. Central Albina.....
From c. l. Hawthorne ave. to s. l. Division st.....
From e. l. of E. Third st. to e. l. E. Twelfth st.....
From w. l. Williams ave. to e. l. Mississippi ave.....
From n. l. Madison st. to n. l. Burnside st.....
Total .....





## CITY SURVEYOR'S REPORT.

## STREET WORK ESTIMATED IN 1897 (Under Ordinance), Continued.

Number	Name of Street.	Square Yards.				Thous- and Ft. Lum- ber B. M.
		Con- crete	Brick	Wood Blocks	Stone Block Relay	
1	Twenty-fourth street					
2	York street					
3	Twenty-third street					
4	X street					
5	First street	5822	5937			
6	Thirteenth street					
7	Mechanic street					
8	Front street				13783	
9	Hood street					
10	Seventeenth street					
11	Union avenue					
12	Front street					
13	Grand avenue					
14	Goodsell avenue					1.98
15	Grover street					
16	Washington street	1826		1853		
17	Hood street					
18	Columbia street					
19	Water and Hood streets					
20	Yamhill street					
21	Grand avenue	2515		2577		
22	Lincoln street					
23	East Morrison street					
24	East Water street					
25	East Thirty-seventh street					
26	First street					
27	Oxford street					
28	East Washington street					
29	Grand avenue					7.7
30	Grand avenue					
31	Glisan street					4.6
32	South half E. Salmon					
33	Goldsmith street					
34	East Clay street					
35	Northrup street					1.0
36	Eleventh street					
37	Fourteenth street					
38	McMillen st. and Williams ave.					
39	Crosby street					
40	Seventeenth street					
41	Corbett street					
42	Front street					
43	First street					.5
44	Main street					1.2
45	Twenty-second street					
46	Hancock street					
47	Fifth street					
48	Going street					
49	Borthwick street					
50	East Eleventh street					
51	Hawthorne avenue					
52	Skidmore street					
53	Front street				14057	
	Total	10163	5937	4430	27840	16.98

## STREET WORK DONE IN 1897 (Under Ordinance.)

Number	Name of Street.	Date of Estimate.	No. of Ordinance
1	Hawthorne avenue.....	November.....	2, 1896 9916
2	Alley in blk. 146, E. Portland.....	December.....	8, 1896 10051
3	Russell street.....	October.....	24, 1896 9975
4	Fourth street.....	July.....	27, 1896 9837
5	Burnside street.....	September.....	8, 1896 9912
6	Curry street.....	September.....	29, 1896 9899
7	Union avenue.....	September.....	29, 1896 9893
8	First street.....	October.....	28, 1896 9985
9	Wheeler street.....	November.....	23, 1896 10023
10	Oak street.....	November.....	23, 1896 10022
11	Twenty-fourth street.....	January.....	12, 1897 10099
12	X street.....	January.....	12, 1897 10102
13	Twenty-third street.....	January.....	12, 1897 10101
14	York street.....	January.....	12, 1897 10100
15	First street.....	January.....	26, 1897 10069
16	Thirteenth street.....	February.....	9, 1897 10144
17	Mechanic street.....	March.....	29, 1897 10183
18	Hood street.....	March.....	29, 1897 10169
19	Seventeenth street.....	April.....	6, 1897 10160
20	Union avenue.....	May.....	20, 1897 10263
21	Front street.....	May.....	20, 1897 10262
22	Goodsell avenue.....	April.....	27, 1897 10221
23	Grover street.....	May.....	17, 1897 10218
24	Washington street.....	May.....	10, 1897 10274
25	Hood street.....	May.....	18, 1897 10214
26	Columbia street.....	May.....	17, 1897 10215
27	Water and Hood streets.....	May.....	17, 1897 10216
28	Yamhill street.....	June.....	9, 1897 10286
29	Grand avenue.....	June.....	10, 1897 10293
30	Lincoln street.....	June.....	8, 1897 10285
31	East Morrison street.....	June.....	10, 1897 10261
32	East Water street.....	June.....	9, 1897 10307
33	East Thirty-seventh street.....	June.....	28, 1897 10312
34	First street.....	June.....	22, 1897 10250
35	Oxford street.....	June.....	13, 1897 10331
36	East Washington street.....	June.....	9, 1897 10318
37	Grand avenue.....	June.....	15, 1897 10338
38	Grand avenue.....	August.....	3, 1897 10355
39	Glisan street.....	August.....	2, 1897 10330
40	East Salmon street.....	August.....	10, 1897 10374
41	Goldsmith street.....	August.....	27, 1897 10409
42	East Clay street.....	September.....	13, 1897 10378
43	Fourteenth street.....	September.....	18, 1897 10424
44	Northrup street.....	September.....	18, 1897 10421
45	Eleventh street.....	September.....	18, 1897 10423
46	McMillen st. and Williams ave.....	September.....	21, 1897 10373
47	Main street.....	October.....	4, 1897 10446
48	Hancock street.....	October.....	13, 1897 10478
49	First street.....	October.....	4, 1897 10426
50	Seventeenth street.....	September.....	23, 1897 10418

## STREET WORK DONE IN 1897 (Under Ordinance), Continued.

Extent of Improvement.
From w. l. E. Water street to e. l. of E. Third street.....
From s. l. E. Burnside street to n. l. of E. Ankeny street.....
From w. l. Williams avenue to e. l. of Delay street.....
From s. l. Burnside street to s. l. Glisan street.....
From w. l. Third street to e. l. Sixth street.....
From w. l. Macadam street to e. l. Corbett street.....
From c. l. Prescott street to s. l. Alberta street.....
From s. l. Stark street to n. l. Madison street.....
From s. l. Clackamas street to n. l. Wasco street.....
From w. l. Third street to e. l. Sixth street.....
From s. l. Doscher's second add. to n. l. York street.....
From e. l. Twenty-fourth street to Willis' tract of land.....
From s. l. Wilson street to s. l. St. Helens Co. road.....
From w. l. Twenty-third street to e. l. Twenty-fourth street.....
From s. l. Burnside street to s. l. Stark street.....
From n. l. Glisan street to s. l. Hoyt street.....
From e. l. Union avenue to w. l. of East Ninth street.....
From 110 ft. s. of Caruthers street to 318 ft. s. of Caruthers street.....
From c. line Raleigh street to Wilson street.....
From s. line East Morrison street to s. line East Oak street.....
From block 16, Watson's add., to n. l. Sherlock's add.....
From n. l. East Stark street to n. l. Mayor Gates' add.....
From w. l. Hood street to e. l. Macadam street.....
From w. l. First street to e. l. Third street.....
From 50 ft. s. of Woods street to 125 ft. n. of Woods street.....
From w. l. Third street to c. l. Water street.....
From s. l. Clay street to n. l. Grover street.....
From w. l. First street to e. l. Fourth street.....
From n. l. East Clay street to East Grant street.....
From w. l. First street to 230 ft. w. of Seventh street.....
From e. l. Grand avenue to 44 ft. e. of East Seventh street.....
From s. l. Hawthorne avenue to c. l. East Clay st.....
From s. l. East Taylor street to n. l. Hawthorne avenue.....
From s. l. Madison street to n. l. Woods street.....
From e. l. Union avenue to w. l. East Ninth street.....
From e. l. East Sixth street to w. l. East Eighth street.....
From East Grant street to East Caruthers street.....
From East Everett street to 137 ft. n. of East Flanders street.....
From w. l. Park street to w. l. Twenty-second street.....
From e. l. East Twentieth street to w. l. East Twenty-third street.....
From 329 ft. s. of Page street to 802 ft. s. of Page street.....
From e. l. East Water street to w. l. East Eleventh street.....
From c. l. Quimby street to c. l. Raleigh street.....
From 100 ft. e. of Ninth street to 70 ft. e. of Twelfth street.....
From 150 ft. s. of Northrup street to Quimby street.....
From w. l. Crosby street to c. l. Alberta street.....
From w. l. Front street to e. l. First street.....
From e. l. East First street to w. l. Union avenue.....
From 110.55 ft. n. of n. l. Grover street to 100 ft. s. of n. l. Grover street..
From s. l. Morrison street to n. l. Taylor street.....



## STREET WORK DONE IN 1897 (Under Ordinance), Continued.

Number	Name of Street.	Square Yards.			Thous- and Ft. Lum- ber B. M.
		Con- crete	Brick	Wood Bl-cks	
1	Hawthorne avenue .....				
2	Alley in block 146, East Portland .....				
3	Russell street .....			4430	
4	Fourth street .....				
5	Burnside street .....	943	938		
6	Curry street .....				
7	Union avenue .....				
8	First street .....	7606		7745	
9	Wheeler street .....				
10	Oak street .....	2802	2802		
11	Twenty-fourth street .....				
12	X street .....				
13	Twenty-third street .....				
14	York street .....				
15	First street .....	5822	5937		
16	Thirteenth street .....				
17	Mechanic street .....				
18	Hood street .....				
19	Seventeenth street .....				
20	Union avenue .....				1.98
21	Front street .....				
22	Goodsell avenue .....				
23	Grover street .....				
24	Washington street .....	1826		1853	
25	Hood street .....				
26	Columbia street .....				
27	Water and Hood streets .....				
28	Yamhill street .....	2515		2577	
29	Grand avenue .....				
30	Lincoln street .....				
31	East Morrison street .....				
32	East Water street .....	1539			
33	East Thirty-seventh street .....				
34	First street .....				
35	Oxford street .....				
36	East Washington street .....				7.76
37	Grand avenue .....				
38	Grand avenue .....				4.68
39	Glisan street .....				
40	East Salmon street .....				
41	Goldsmith street .....				
42	East Clay street .....				
43	Fourteenth street .....				
44	Northrup street .....				
45	Eleventh street .....				
46	McMillen street and Williams avenue .....				
47	Main street .....				
48	Hancock street .....				
49	First street .....				1.70
50	Seventeenth street .....				
	Total .....	21514	9677	16605	16.12

SEWER WORK ESTIMATED DURING 1897.

Number	Name of Sewer	Date of Estimate	No. of Ordinance.
1	Vancouver avenue	March	27, 1897 10185
2	Tillamook street	March	29, 1897 10186
3	Quincy street	May	1, 1897 10222
4	East 32d street	May	1, 1897 10223
5	East Eighth street	June	12, 1897 10251
6	East 33d street	June	28, 1897 10294
7	East Eighth street	June	28, 1897 10313
8	East Eighth street	June	28, 1897 10314
9	Woods street	June	29, 1897 10315
10	Vaughn and 25th streets	July	27, 1897 10336
11	East Sixth street	July	23, 1897 10337
12	Northrup street	August	7, 1897 10376
13	Hood street	September	7, 1897 10419
14	Crosby street	September	7, 1897 10420
15	East Morrison street	September	21, 1897 10447
16	Union avenue	September	21, 1897 10448

SEWER WORK ESTIMATED DURING 1897—Continued.

Extent of Sewer
From 150 ft n of Page street to Vancouver avenue sewer
From 175 ft w of Union avenue to sewer in Rodney avenue
From 25 ft e of Halsey street to sewer in East First street
From 100 ft s of East Yamhill street to sewer in East Yamhill street
From s l of East Stark street to sewer in East Alder street
From s l of East Salmon street to sewer in East Yamhill street
From s l of Belmont street to sewer in East Yamhill street
From center l of East Grant street to sewer in Hawthorne avenue
From 200 ft w of Third street to Wood-street gulch sewer
From 200 ft w of 25th street to sewer in Wilson street
From 175 ft s of East Yamhill street to sewer in East Alder street
From 100 feet e of 21st street to sewer in Northrup street
From s l of block 82, Caruthers' Add, to sewer in Corbett street
From s l Crosby street to sewer in Crosby street
From 100 ft e of East 33d street to sewer in East 33d street
From 25 ft s of East Morrison street to sewer in East Alder street

SEWER WORK ESTIMATED DURING 1897—Continued.

Number.....	Name of Sewer	Terra Cotta Pipe Lineal Feet				8-inch for Catch Basins
		14-inch....	12-inch....	10-inch....	8-inch....	
1	Vancouver avenue .....				220	16
2	Tillamook street .....				368	
3	Quincy street .....				345	38
4	East 32d street .....			145		
5	East Eighth street .....			273	164	18
6	East 33d street .....			468		18
7	East Eighth street .....				179	11
8	East Eighth street .....	431	440	440	269	78
9	Woods street .....		185	471	439	70
10	Vaughn and 25th streets.....	2	178		228	14
11	East Sixth street .....		257	440	143	46
12	Northrup street .....			430	304	15
13	Hood street .....				522	12
14	Crosby street .....			453		155
15	East Morrison street .....				172	
16	Union avenue .....				275	
	Total .....	433	1060	3125	3628	558

SEWER WORK ESTIMATED DURING 1897—Continued.

10x10-inch.	14x6-inch.	12x6-inch.	10x6-inch.	8x6-inch.	Exc. & Refilling cubic yards.....	Number of					Box & Trestle lineal feet.....	
						Manholes....	Catch Basins	Comb. Manholes & Catch Basins	Concrete Corners....	Elbows.....		Connections.
				20	207			1	1	3	1	
				34	317	1					1	
				25	351			1	1	3	1	
			10		97						1	
			12	18	223			1	1	3	1	207
1			33		305			2	2	6	1	
				18	159						1	
	36	40	40	18	1341			6	6	18	1	
		7	44	38	723	2	1	3	3	9	1	
		20		16	399			1	1	3	1	
		20	40	16	902			3	3	9	1	
			40	28	690			1	1	3	1	
				33	309			1	1	3	1	
			46		352			2	4	8	1	
				14	120						1	
				24	166						1	40
1	36	87	265	302	6661	3	1	22	24	68	16	247

SEWER WORK DONE DURING 1897.

Number.....	Name of Sewer	Date of Estimate	No. of Ordinance.
1	Tillamook street.....	November..... 24, 1896	10015
2	Vancouver avenue.....	March..... 27, 1897	10185
3	Tillamook street.....	March..... 29, 1897	10186
4	Quincy street.....	May..... 1, 1897	10222
5	East 32d street.....	May..... 1, 1897	10223
6	East Eighth street.....	June..... 12, 1897	10251
7	East 33d street.....	June..... 28, 1897	10294
8	East Eighth street.....	June..... 28, 1897	10313
9	East Eighth street.....	June..... 28, 1897	10314
10	Wood street.....	June..... 29, 1897	10315
11	Vaughn and 25th street.....	June..... 27, 1897	10336
12	East Sixth street.....	June..... 23, 1897	10337
13	Northrup street.....	August..... 7, 1897	10376
14	Hood street.....	September..... 7, 1897	10419
15	Crosby street.....	September..... 7, 1897	10420
16	East Morrison street.....	September..... 21, 1897	10447
17	Union avenue.....	September..... 21, 1897	10448
..	.....	.....	.....

SEWER WORK DONE DURING 1897—Continued.

Extent of Sewer
From 145 ft w of w l of Rodney avenue to sewer in Williams street.....
From 150 ft w of w l of Page street to sewer in Vancouver avenue.....
From 175 ft w of w line of Union avenue to sewer in Rodney avenue....
From 25 ft s of s l of Halsey street to sewer in East First street.....
From 150 ft s of s l of East Yamhill street to sewer in East Yamhill st..
From s l of East Stark street to sewer in East Alder street.....
From s l of East Salmon street to sewer in East Yamhill street.....
From Belmont street to East Yamhill street.....
From center of East Grant street to sewer in Hawthorne avenue.....
From point w of Third street to sewer in Wood and Water streets.....
From point w of 25th street to sewer in Wilson street.....
From point s of East Yamhill street to sewer in East Alder street.....
From point e of 21st street to sewer in Northrup street.....
From s l of block S2, Caruthers' Add to sewer in Corbett street.....
From s l of Cherry street to sewer in Crosby street.....
From point e of 33d street to sewer in East 34th street.....
From point s of East Morrison street to sewer in East Alder street.....
.....
.....



SEWER WORK DONE DURING 1897—Continued.

Number	Name of Sewer	Lineal Feet Terra Cotta Pipe				8-inch for Catch Basins
		14-inch	12-inch	10-inch	8-inch	
1	Tillamook street				423	
2	Vancouver avenue				220	16
3	Tillamook street				368	
4	Quincy street				345	38
5	East 32d street			145		
6	East Eighth street			273	164	18
7	East 33d street			468		78
8	East Eighth street				179	18
9	East Eighth street	431	440	440	169	78
10	Wood street		185	471	439	70
11	Vaughn and 25th street	2	178		228	14
12	East Sixth street		257	440	143	46
13	Northrup street			430	304	15
14	Hood street				522	12
15	Crosby street			458		155
16	East Morrison street				172	
17	Union avenue				275	
	Total	433	1060	3125	3951	558

SEWER WORK DONE DURING 1897—Continued.

"Y" Branches Terra Cotta Pipe					Exc. & Refilling cubic yards	Number of					Box & Trestle lineal feet	
10x10-inch	14x6-inch	12x6-inch	10x6-inch	8x6-inch		Manholes	Catch Basins	Comb. Manholes & Catch Basins	Concrete Corners	Elbows		Connections
				36	364	1					1	
				20	207			1	1	3	1	
				34	317	1					1	
				25	351			1	1	3	1	
			10	97							1	
			12	18	223			1	1	3	1	207
1			33		305			2	2	6	1	
				18	159						1	
	36	40	40	18	1341			6	6	18	1	
		7	44	38	723	2	1	3	3	9	1	
		20		16	399			1	1	3	1	
		20	40	16	902			3	3	9	1	
			40	28	690			1	1	3	1	
				33	309			1	1	3	1	
			46		352			2	4	8	1	
				14	120						1	
				24	166						1	40
1	36	87	265	338	7025	4	1	22	24	68	17	247



LENGTH AND INTERIOR DIAMETER OF SEWERS  
AS LAID IN DIFFERENT YEARS TO DECEMBER 31, 1897, IN THE  
CITY OF PORTLAND. (BY ORDINANCE.)—Continued.

Year	Oval Sewer, Dia. in In. Continued				Wooden Sewer.		T. C. P. Sewer, Dia. in In.		
	44x66-in....	40x60-in....	30x45-in....	24x36-in....	36x48-in....	24x24-in....	24-inch....	22-inch....	20-inch....
1875									
1876									
1877									
1878									
1879									
1880									
1881									
1882									
1883									
1884									
1885									
1886						727		840	1240
1887									
1888			1000		1220		564		265
1889		3808	748	597					
1890	1820								
Previous to July 1, '91 in district annexed by consolidation								1335	
1891									
1892			756				3640		
1893							5699	1040	2740
1894									1254
1895							284	520	104
1896									560
1897									
<b>Total</b>	<b>1820</b>	<b>3808</b>	<b>2504</b>	<b>597</b>	<b>1220</b>	<b>727</b>	<b>10187</b>	<b>3735</b>	<b>6163</b>

LENGTH AND INTERIOR DIAMETER OF SEWERS  
AS LAID IN DIFFERENT YEARS TO DECEMBER 31, 1897, IN THE  
CITY OF PORTLAND. (BY ORDINANCE.)—Continued.

Terra Cotta Pipe Sewer, Dia. in In.—Continued.									Total Length in Miles
18-inch....	16-inch....	15-inch....	14-inch....	12-inch....	10-inch....	9-inch....	8-inch....	1-in. Ft.... Total	
				270		111		381	
				430		710		1140	
		3356		2739	1540	344		8079	
	757	1022		1959	72			3810	
		4169		10327		362		14858	
		5820		17845		2879		26544	
		2634		8030		863		11527	
1410		2040		2240		8015		13705	
				1461		2772		4233	
1600						7792	293	12492	
					3601	7766		15660	
	265	820	2215	10222	1830	5360		23761	
		283	7358	16876	4056	3826	600	42987	
308			7482	5905	2641	2189	260	20605	
2640			1620	8020	2780		1560	17975	
1356	3160		2051	14593	2310	2043	214	30397	
552	12213		12896	19046	8593		7500	79648	
780	2288		7327	8595	13480		3988	61879	
270	250		1842	3909	5045		1473	14768	
792	780		520	5801	12153		1160	22142	
772	1823		1776	6346	7176		2528	20972	
			505	1234	3654		4626	10119	
<b>10480</b>	<b>21536</b>	<b>20144</b>	<b>45592</b>	<b>145848</b>	<b>69922</b>	<b>45034</b>	<b>24325</b>	<b>457682</b>	<b>86.68</b>

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

	In place Jan. 1, 1897		Laid during 1897		In place Jan. 1, 1898	
	In Lin. Ft	In Miles	In Lin. Ft	In Miles	In Lin. Ft	In Miles
Bituminous rock pavement.....	5125	0.96	.....	.....	4925*	.93
Asphalt pavement.....	14985	2.84	.....	.....	14985	2.84
Macadam pavement.....	214999	40.72	2805	.53	209446*	39.67
Gravel pavement.....	214135	40.55	2620	.50	215947	40.90
Stone block pavement.....	25078	4.74	.....	.....	21553*	4.08
Plank roadway.....	75792	14.35	7582	1.43	83374	15.79
Bridge.....	40505	7.66	230	.04	40735	7.71
Wood block pavement.....	3153	0.60	4640	.88	7793	1.48
Brick pavement.....	648	0.13	2433	.46	3081	.58
Graded streets unpaved.....	384098	72.75	5001	.95	386694	73.24
Total.....	978518	184.40	25311	4.79	988533	187.22
Wood sidewalk.....	1517671	287.44	19618	3.72	1535322	290.79
Cement, stone, brick and asphalt sidewalk.....	88447	16.75	1967	.37	90414	17.11
Total.....	1606118	304.19	21585	4.09	1625736	307.90
Wood crosswalk.....	198555	37.60	2875	.54	201430	38.15
Stone crosswalk.....	7374	1.40	208	.04	57.97*	1.10
Total.....	205929	39.00	3083	.58	207227	39.25

A "star" (\*) indicates a decrease of pavement and is caused by such pavement being replaced by a pavement of another class.

## STREET EXTENSION SURVEYS IN 1897.

Number.....	Name of Streets	Length of Survey In Miles...	Date of Survey	Area in Square Feet Appropriated....
1	Clinton street.....	.028	April..... 5, 1897	9135
2	25th street.....	.087	April..... 23, 1897	4551
3	Harrison street.....	.013	May..... 10, 1897	4320
4	East 19th street.....	.038	September 15, 1897	10000
5	Seventh street.....	.021	September 29, 1897	8927
6	East Burnside street.....	.101	October.. 22, 1897	25802
7	Union avenue.....	1.514	December 27, 1897	496062
	Total.....	1.802		558797

## STREET EXTENSION SURVEYS IN 1897—Continued.

## Description of Survey.

From the west line of East 12th street to the east line of Milwaukee road.  
From Thurman street to Vaughn street.

From the westerly line of Terrace road to the westerly line of Chapman street extended.  
From East Burnside street to East Ankeny street.

From Ankeny street to Burnside street (widening to connect Seventh street directly north and south).  
From the east line of East 28th street to the east line of Goodsell avenue.

From the north line of Alberta street to the south line of the Columbia Slough road.

RECAPITULATION OF WORK DONE DURING 1897.

	Lineal Feet										
	Sidewalk			Gutter	Sewer Pipe Laid.....	1/2-Bridge Repair.....	1/2-Bridge.....	1/2-Plank Roadway.....	1/2-Bridge.....	15418	10119
	Wood....	Stone....	Cement Curb....								
By permit .....	540	1967	448	.....	.....	.....	.....	.....	.....	.....	.....
By ordinance ...	28377	.....	3928	6282	3064	4520	1864	23094	1007	15418	10119
Total .....	28917	1967	4376	6282	3064	4520	1864	23094	1007	15418	10119

RECAPITULATION OF WORK DONE DURING 1897—Continued.

Cubic Yards				Number of				Square Yards		
Excavation.....	Embankment..	Macadam.....	Gravel.....	Combination Manholes and Catch Basins.	Manholes.....	Elbows, 1/8-Bends.....	Concrete Corners.....	Brick.....	Wood Blocks.....	Concrete.....
62835	8520	7387	4340	22	4	68	24	9677	16605	21514
63425	8906	7497	4340	22	4	68	24	10477	16605	22314

## 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, 1896, to December 31, 1897, 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.

Eshurg-Gunst Cigar Company,  
vs.  
City of Portland.

This case, as stated in my last report, is an action to recover damages to the amount of \$3000.00 from the city, alleged to have been caused by the bursting of a water main on Fourth street, and it is still pending in the 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 a suit in equity to restrain the issuance of a warrant for expenses of running the Stark street ferry for one month, and is undetermined.

W. W. McGuire,  
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.

T. F. Osborn, et al.,  
vs.  
City of Portland.

This suit, which was to restrain the sale of property for the cost of improving East Twentieth street, has been decided in favor of the city, and no appeal taken by plaintiffs.

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.

Helen Ramsdall,  
vs.  
City of Portland.

This suit, which was to restrain the sale of property for payment of constructing Portland Heights sewer, has been determined in favor of the city, and has been settled.

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 not yet appealed.

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. Woodard, 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.

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

This suit, which was to restrain the sale of property for the payment of construction of Portland Heights sewer, was decided in favor of the city, and no appeal taken therefrom.

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

This was a suit to restrain the collection of the 2-mill tax, and a decree by the supreme court of the state, in favor of the plaintiffs and against the defendant.

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

This was an action instituted by the city against the bondsmen of the contractor for the improvement of Washington street. The defendant appealed from the judgment in favor of the city, to the supreme court, and reversed said decision, and the case is now pending a determination by the supreme court upon a motion for a rehearing.

William M. Ladd,  
vs.  
City of Portland.

This suit, which was to restrain the city from selling certain property for the payment of the cost of improving Grand avenue, was decided by the supreme court of the state in favor of the city.

City of Portland,  
vs.  
John Meyer.

This was a suit against the defendant for maintaining a nuisance, in the shape of a slaughter-house, within the city limits, and was determined by the supreme court in favor of the city.

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

This suit, which was to restrain the city from selling property for the cost of improving Multnomah street, was decided by the supreme court in favor of the plaintiff.

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

This is a suit to restrain the sale of property for the cost of improving Hood street, 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.

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

This suit was to restrain the sale of property for the payment of cost of improving East Eighth street, was decided in favor of plaintiffs and against the city, upon the ground that the petition did not contain the signatures of the requisite number of property-owners.

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

This suit, which was to restrain the sale of property for the improvement of Corbett street, was decided by the referee against the city, and said report was confirmed by the circuit court, upon the grounds that the city has no jurisdiction to enter upon the street, as said street was not unsafe and dangerous, following the case of Milton W. Smith vs. City.

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 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. Hall, et al.,  
vs.  
City of Portland.

This is a suit to determine the question as to whether or not interest can be annually charged against the installment for the payment of street or 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 the city, from which judgment the plaintiffs are about to appeal.

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

This was an action at law instituted for the purpose of determining the validity of ordinance No. 9183, entitled, "An ordinance for the protection of labor and material men performing labor or furnishing material in the improvement of streets or sewers." The decision of the circuit court was against the city, and, upon appeal to the supreme court, the judgment was reversed, and the validity of said ordinance established.

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

This was 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 firemen 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.

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

This is an action growing out of an attempted discharge of the plaintiff as Harbor Policeman by the Mayor, and was an action to recover salary during the time from the attempted discharge to the date of the institution of the suit. The case was submitted to the court without intervention of a jury, and decided in favor of the plaintiff, and the judgment entered therein, and has been paid by the city.

D. Brand,  
vs.  
City of Portland.

This is a suit in equity to compel the city or county to open the approach to the Madison street bridge, which was closed by the Bridge Commission, and is pending a decision by the circuit court upon the merits of the case.

A. N. Gambell,  
vs.  
J. D. Wickliff.

This was 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 they might belong, and the matter has been settled up.

Mary Kramer,  
vs.  
City of Portland.

This was a suit in equity to restrain the city from entering upon the land of the plaintiff and build a roadway to the crematory, and it was decided that the plaintiff has obtained title to the land by adverse possession, and therefore the city was restrained.

J. W. Cook,  
vs.  
City of Portland.

This was 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. The decision has been submitted to the court, and is awaiting its decision.

Chan Sing,  
vs.  
City of Portland.

This was an action at law to recover damages for injuries sustained by the overflowing of Tanner creek, and verdict and judgment were rendered in favor of the plaintiff for the sum of about \$500.00, from which judgment the city will appeal.

Tyler Woodward,  
vs.  
City of Portland.

This is an action at law to recover damages for the injuries sustained by the overflowing of Tanner creek sewer, and now stands upon demurrer to the complaint.

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 reservoirs constructed by the Water Committee, and stands upon demurrer to the complaint.

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 a demurrer to the complaint.

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 \$12,000.00. The case now stands upon a plea in abatement, alleging that the plaintiff is a minor.

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, and is not yet at issue.

Perry Baker,  
vs.  
City of Portland.

This suit is in equity, to restrain the city from selling property to pay for the cost of improving First street, and has been set for trial March 18.

The suits which have been filed in the last year have not been so much with reference to the proceedings for the improving of streets or construction of sewers, as heretofore, and such as have been instituted to restrain the city from selling property, alleging irregularity in the proceedings, or lack of jurisdiction, have been vigorously prosecuted, and developed the fact that the procedure in such matters is becoming not only better understood, but more carefully considered and carried out.

Respectfully submitted,

WILLIAM M. CAKE,  
City Attorney.

## BOARD OF FIRE COMMISSIONERS' REPORT.

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

Portland, Oregon, January 5, 1898.

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

Gentlemen—In compliance with Section 179, of "An act to incorporate the City of Portland," the Board of Fire Commissioners have the honor to submit to your honorable body, a report in detail, of the revenues and expenditures of the Fire Department for the year 1897, and also an estimate of the amount of salaries and other necessary expenses of the Department for the ensuing year, together with such information and recommendations necessary for the efficiency of the Department.

### ESTIMATE OF EXPENSES FOR THE YEAR 1897.

Salaries .....	\$65,000.00
Repairs to apparatus .....	1,000.00
Repairs to engine houses .....	500.00
Hose .....	3,000.00
Hydrants .....	2,500.00
Cisterns .....	400.00
Horses .....	1,000.00
Horse shoeing .....	1,200.00
Veterinary surgeon .....	300.00
Repairs to harness .....	200.00
Horse feed .....	3,500.00
Telephones .....	1,000.00
Lighting .....	1,650.00
Fuel .....	1,650.00
Stores .....	600.00
Water .....	3,000.00
Incidentals .....	250.00
Rents of engine houses .....	2,000.00
Printing and office expenses .....	250.00
Fire alarm telegraph .....	2,150.00
Total amount of estimate for 1897.....	\$91,150.00

## REVENUES FOR 1897.

Balance in fund January 1, 1897.....		\$ 1,425.20
Received from tax roll, 1897.....	\$62,011.17	
Received from delinquent roll.....	9,426.38	71,437.55
Received from sale exempt certificates.....		4.00
Received from sale old hose.....		19.80
Received from miscellaneous sources.....		15.50
Total revenue for 1897.....		\$72,902.05

## EXPENDITURES FOR 1897.

Salaries.....	\$66,323.33
Rents of engine houses, etc.....	1,633.60
Repairs to engine houses, etc.....	1,325.01
Apparatus, cost.....	788.60
Repairs to apparatus.....	1,024.39
Horses, cost.....	335.13
Horse shoeing.....	1,467.40
Veterinary surgeon.....	276.50
Feed.....	5,224.34
Harness and repairs.....	159.89
Fuel.....	1,453.38
Lighting.....	1,291.64
Stores.....	1,114.33
Telephone.....	1,073.50
Incidentals.....	444.11
Hose.....	1,833.10
Water.....	3,548.00
Hydrants and repairs.....	4,990.06
Cisterns and repairs.....	150.00
Office expenses.....	56.90
Printing and advertising.....	154.50
Fire alarm telegraph, salaries and hire.....	2,867.16
Material and repairs.....	1,615.96
Grand total.....	\$99,150.83

## ESTIMATE FOR 1898.

Salaries.....	\$68,580.00
Rents of engine houses.....	1,000.00
Repairs to engine houses.....	500.00
Apparatus, repairs to.....	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
Hydrant and repairs.....	4,000.00
Cisterns and repairs.....	500.00
Office expenses.....	200.00
Fire alarm telegraph.....	1,000.00

Total amount of estimate for 1898..... \$93,080.00

## SUMMARY FOR THE YEAR 1897.

Total amount of receipts.....	\$72,902.05
Total amount of expenditures.....	99,150.83

## FIRE DEPARTMENT FUND.

Deficit in fund January 1, 1898.....	\$63,558.75
Deficit in fund January 1 1897.....	32,237.84

The amount of \$93,080.00 is therefore what the Board estimates for the expenses of the Fire Department for 1898, and at that figure it is a reduction in the expense of the Fire Department by several thousand dollars of what the actual expense was for 1897.

In the management of the Fire Department the Board has maintained constantly the necessity of economy. It purposes so continuing, but it must be borne in mind the splendid efficiency of the Department as now existing must not be impaired by a too radical application of economy. It will be observed in the above estimate for 1898 no allowance has been made by the Board for increased fire protection in the rapidly developing sections of country of the Eleventh ward, beyond some hydrants. Numerous importunities to this end by petition and otherwise have been made to the Board during the past year, and while the Board has been inclined to help the people there, the lack of funds and necessity of curtailing every expense pre-

vented the Board taking favorable action in the matter. However, if the Council sees fit to make an allowance for this, in addition to the above estimate, the Fire Commissioners will very cheerfully take the matter up and give the people of the Eleventh ward the necessary fire protection at an early date. To provide proper equipment for this and to maintain same it will require an appropriation of \$10,500.00.

During the year closed considerable expense was caused by changing the fire alarm telegraph wires from the poles of the Oregon Telephone Company onto other poles in obedience to the arbitrary command of that corporation to either pay rental for use of their poles or remove the wires therefrom.

The large annual expenditure in the past paid to the Portland Hydraulic Company for water service is now ended. During the past year fifty odd hydrants have been set in advantageous places throughout the city at a total cost of less than two years' rental to the above corporation for similar service.

Attention is called to the remarkably low insurance loss for the year, \$70,722.51, as against \$309,481.61 for 1896, a decrease of losses over insurance paid for 1897 as compared with the fire losses of 1896 of over 90 per cent.

Economy has been practiced in Department affairs whenever possible, and will be so continued.

Respectfully submitted,

JOHN MONTAG,

JOHN WELCH,

E. J. HAIGHT,

Board of Fire Commissioners.

GEO. L. CURRY,  
Secretary.

### APPARATUS.

Ten engines, seven hose wagons, three hose carriages (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, three chemical engines, one village truck (hand), five buggies..	\$ 76,519.00	
Harness, etc. ....	4,602.50	
Property in corporation shed .....	500.00	
Property in Commissioner's office.....	300.00	
Property in engine house, stores, tools, etc.....	5,000.00	
Fifty-six horses .....	7,950.00	
Fire alarm apparatus .....	27,459.72	
Total value of apparatus in trust.....		\$122,331.22
Total value of houses and lots in trust.....		204,250.00
		<hr/>
Grand total of property in trust .....		\$326,581.22

## EXPENDITURES ON ACCOUNT OF ALL COMPANIES

For the Year Ending December 31, 1897.

Companies.	Salaries.	House and Lot.	
		Costs and Rents.	Repairs Fixtures Fur'ture.
Engine Company No. 9.....	\$ 4,224.00	\$ 9.10	\$ 96.43
Engine Company No. 3.....	4,224.00		77.34
Engine Company No. 4.....	4,224.00		513.63
Engine Company No. 5.....	4,224.00		61.17
Engine Company No. 7.....	4,220.65		92.26
Engine Company No. 8.....	4,224.00	120.00	12.80
Truck Company No. 5.....	3,432.00		15.10
Truck Company No. 2.....	3,432.00	4.50	32.78
Truck Company No. 3.....	3,432.00		4.07
Truck Company No. 4.....	3,430.10	120.00	14.55
Hose Company No. 1.....	2,964.00	1,200.00	23.75
Hose Company No. 2.....	2,964.00		142.83
Hose Company No. 3.....	2,937.92		47.55
Hose Company No. 5.....	1,080.00	180.00	60.70
Hose Company No. 6.....	2,964.00		26.64
Chemical Engine Company No. 1.....	2,280.00		2.50
Chemical Engine Company No. 2.....	2,280.00		11.86
Chemical Engine Company No. 3.....	2,280.00		71.53
Officers' and supply .....	1,040.00		17.52
General expense.....	6,446.66		
Total .....	\$ 66,323.33	\$ 1,633.60	\$ 1,325.01

## EXPENDITURES ON ACCOUNT OF ALL COMPANIES

For the Year Ending December 31, 1897.—(Continued.)

Apparatus		Horses			
Cost	Repairs	Cost, Hire, etc.	Shoeing	Vet. Surgeon	Feed
.....	\$ 92.10	\$ 22.96	\$ 110.10	\$ 14.62	\$ 349.45
\$ 1.20	48.90	.....	78.75	14.52	277.98
114.20	87.02	19.54	68.60	14.52	215.59
.....	70.70	21.49	80.25	14.52	300.19
.....	47.40	.....	102.00	14.52	326.35
.....	36.50	9.80	107.00	14.52	325.40
2.00	8.37	19.71	114.00	14.52	267.64
.....	45.95	19.04	83.60	14.52	232.00
.....	40.00	15.62	50.00	14.52	294.35
.....	35.50	7.35	94.15	14.52	273.44
.....	43.25	19.04	51.00	14.52	185.02
.....	10.80	15.12	51.50	14.52	238.34
.....	29.90	.....	56.50	14.52	156.20
.....	29.05	.....	50.00	14.52	146.43
.....	3.75	21.14	47.75	14.52	174.10
50	10.58	15.12	50.00	14.52	261.96
.....	25.90	15.04	48.25	14.52	185.71
35	19.60	4.90	75.00	14.52	253.62
670.35	339.12	109.26	148.95	15.04	760.57
\$788.60	\$1,024.30	\$335.13	\$1,467.40	\$276.50	\$5,224.34

## EXPENDITURES ON ACCOUNT OF ALL COMPANIES

For the Year Ending December 31, 1897.—(Continued).

Companies.	Harness and Repairs.	Fuel.
Engine Company No. 9.....	\$ 11.95	\$ 126.37
Engine Company No. 3.....	.90	65.00
Engine Company No. 4.....	3.90	100.12
Engine Company No. 5.....	6.30	29.25
Engine Company No. 7.....	13.00	53.00
Engine Company No. 8.....	9.40	38.75
Truck Company No. 5.....	6.10	26.75
Truck Company No. 2.....	4.25	52.25
Truck Company No. 3.....	6.65	125.20
Truck Company No. 4.....	1.40	37.00
Hose Company No. 1.....	3.55	31.00
Hose Company No. 2.....	2.30	21.75
Hose Company No. 3.....	7.80	30.00
Hose Company No. 5.....	.55	30.25
Hose Company No. 6.....	15.35	61.35
Chemical Company No. 1.....	4.75	49.70
Chemical Company No. 2.....	2.80	11.50
Chemical Company No. 3.....	1.25	39.75
Officers' and supply.....	57.69	524.39
General expenses.....		
Total.....	\$159.89	\$1,453.38
Grand total.....		

## EXPENDITURES ON ACCOUNT OF ALL COMPANIES.

For the Year Ending December 31, 1897.—(Continued).

Lighting	Stores.	Telephone.	Incidentals.	Totals.
\$ 125.00		\$ 62.50		\$ 5,339.80
62.65		48.50		4,899.74
75.26		46.50		5,482.88
48.80	\$4.00	52.50		4,913.17
90.77		52.50		5,012.45
41.75		52.50		4,992.42
94.00	3.75	48.50		4,094.02
66.45	4.00	44.50		4,035.84
96.15	7.25	52.50		4,138.31
31.58		52.50		4,112.09
86.50		52.50		4,674.13
81.05		44.50		3,586.71
30.50		52.50		3,363.39
26.58		52.50		1,670.58
36.25		52.50		3,417.35
88.60		52.50		2,830.73
26.25		44.50		2,666.33
45.50	8.45	53.00		2,867.47
75.00	1,086.88	156.00	\$ 60.00	4,986.97
63.00				6,509.66
\$1,291.64	\$1,114.33	\$1,073.50	\$ 60.00	\$83,014.04



## GENERAL EXPENDITURES, 1897.

Officers' salaries .....	\$ 6,446.66	
Hose .....	1,833.10	
Water .....	3,548.00	
Hydrants and repairs.....	4,990.06	
Cisterns and repairs.....	150.00	
Incidentals .....	384.11	
Office expenses and printing.....	211.40	
Total .....	\$ 17,563.33	

## FIRE ALARM TELEGRAPH.

Salaries and hire.....	\$ 2,867.16	
Material and repairs.....	1,615.96	
Total .....		4,483.12
Total general expenditures .....	\$ 22,046.45	

## SUMMARY OF EXPENDITURES.

Company expenditures .....	\$ 72,117.41	
Officers' and supply expenditures.....	4,986.97	
General expenditures .....	22,046.45	
Grand total expenditures for 1897.....	\$ 99,150.83	

## LIST OF PROPERTY IN TRUST.

## HOUSES AND LOTS—VALUES ESTIMATED.

(Appraised in 1893.)

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

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

## INSURANCE ON BUILDINGS.

## Engine and Truck House No. 1.

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

## Fire Bell and Attachments.

American Fire Insurance Co., of Philadelphia, ex- pires March 30, 1898.....	\$ 428.58	
Home Insurance Co., of New York, expires No- vember 14, 1898 .....	428.33	
American Fire Insurance Co., of Philadelphia, ex- pires November 14, 1898.....	428.33	
		\$ 1,285.24

## Electrical Appurtenances, Etc.—Fire Alarm Telegraph.

Home Insurance Co., of New York, expires No- vember 14, 1898 .....	\$ 428.33	
American Fire Insurance Co., of Philadelphia, ex- pires March 30, 1898 .....	428.58	
American Fire Insurance Co., of Philadelphia, ex- pires November 14, 1898 .....	428.33	
		\$ 1,285.24

Engine House No. 3.	
German-American Fire Insurance Co., of New York, expires May 20, 1898.....	\$ 1,500.00
Engine House No. 4 and Truck House No. 2.	
American Fire Insurance Co., of Philadelphia, expires February 1, 1898 .....	\$ 1,000.00
Engine House No. 5.	
American Fire Insurance Co., of Philadelphia, expires April 25, 1898.....	\$ 2,500.00
Engine House No. 6.	
Palatine Insurance Co., of England, expires April 14, 1898 .....	\$ 1,250.00
Engine House No. 8.	
Home Insurance Co., of New York, expires October 21, 1898 .....	\$ 1,000.00
Truck House No. 3.	
American Fire Insurance Co., of Philadelphia, expires February 1, 1898 .....	\$ 750.00
House on Vancouver Avenue.	
Continental Insurance Co., of New York, expires July 2, 1900 .....	\$ 500.00
House on Mississippi Avenue.	
Continental Insurance Co., of New York, expires July 2, 1900 .....	\$ 500.00
Engine House No. 8.	
American Fire Insurance Co., of Philadelphia, expires October 21, 1898 .....	\$ 1,000.00

## LOCATION OF HOUSES.

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

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

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

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

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

No. 9 Engine Company, east side of Fourth, between Morrison and Yamhill streets.

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. 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 avenue.

Hook and Ladder Company No. 5, east side of Fourth, between Morrison and Yamhill streets.

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

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

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

Hose Company No. 5, corner East Thirty-fifth and East Belmont streets, Sunnyside.

Hose Company No. 6, west side of North 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. 9.

SALARIES OF OFFICERS AND MEN.

One Chief Engineer .....	\$ 1,620.00
One First Assistant Engineer .....	1,200.00
Two District Engineers .....	2,400.00
Six Engineers of Steamers .....	6,120.00
Six Drivers of Steamers .....	4,680.00
Six Drivers of Hose Tenders to Steamers.....	4,320.00
Five Drivers of Hose Companies .....	3,900.00
Four Drivers of Hook and Ladder Trucks.....	3,120.00
Three Drivers of Chemical Engine Companies .....	2,340.00
Six Foremen of Engine Companies .....	1,800.00
Five Foremen of Hose Companies .....	3,420.00
Four Foremen of Hook and Ladder Trucks.....	3,120.00
Three Foremen of Chemical Engine Companies.....	2,340.00
Three Pipemen of Chemical Engine Companies .....	2,160.00
Thirty-six Members at call of Engine Companies.....	8,640.00
Twenty-four Members at call of Hose Companies.....	5,760.00
Thirty-two Members at call of Hook and Ladder Companies..	7,680.00
One Driver Supply Wagon (abolished) .....	
One Superintendent Fire Alarm .....	1,200.00
One Lineman of Fire Alarm.....	780.00
One Secretary .....	1,200.00
One Hydrant Man .....	780.00
Total annual pay-roll .....	\$68,580.00

EXHIBIT OF LOSSES BY FIRE DURING YEAR ENDING DECEMBER 31, 1897.

INSURANCE INVOLVED AND INSURANCE PAID.

Months	Loss		Insured for		Insurance Paid	
	Buildings	Contents	Buildings	Contents	Buildings	Contents
January.....	\$ 691.00	\$ 337.75	\$ 6,500.00	\$ 2,300.00	\$ 541.00	\$ 37.75
February.....	1,829.00	846.00	2,700.00	1,775.00	79.00	131.00
March.....	5,585.50	2,702.00	37,750.00	14,150.00	5,074.50	2,692.00
April.....	1,298.50	233.50	160,700.00	60,100.00	895.00	123.50
May.....	668.00	202.75	47,007.00	52,760.00	633.00	32.75
June.....	4,625.00	9,356.00	11,900.00	11,810.00	4,410.00	9,200.00
July.....	4,050.50	3,767.00	23,600.00	49,250.00	3,985.50	3,717.00
August.....	1,849.00	2,279.00	13,050.00	19,550.00	1,744.00	2,269.00
September.....	1,413.50	.....	11,700.00	200.00	1,401.50	.....
October.....	9,659.81	16,186.00	40,400.00	27,300.00	9,614.81	16,186.00
November.....	468.35	2,022.85	120,700.00	41,900.00	418.35	132.85
December.....	437.50	220.00	51,800.00	105,550.00	337.50	220.00
Total.....	\$ 32,575.66	\$ 38,146.85	\$ 527,807.00	\$ 386,645.00	\$ 29,134.16	\$ 34,741.85

Total losses .....	\$ 70,722.51
Total insurance .....	914,452.00
Total insurance paid .....	63,876.01
Losses over insurance paid .....	6,846.50

EXHIBIT OF LOSSES BY FIRE DURING THE YEAR 1896.

INSURANCE INVOLVED AND INSURANCE PAID.

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

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

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

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

TABLE OF FIRES AND ALARMS.

For Year Ending December 31, 1896.

Months	From all Sources...	Boxes.....	Stills.....	Telephones..	Actual Fires.....	False Alarms....
January .....	15	11	3	1	8	
February .....	16	10	3	3	8	
March .....	43	29	10	3	21	1
April .....	12	4	8		6	
May .....	9	9	1		6	1
June .....	21	15	6		9	
July .....	27	23	4		16	
August .....	19	15	4		11	
September .....	11	8	3		6	1
October .....	19	12	7		9	
November .....	19	9	12		8	
December .....	20	8	8	2	10	2
Total .....	231	153	69	9	118	5

## CAUSES OF FIRES AND ALARMS, 1897.

Acids .....	1
Burning flue .....	57
Burning grease .....	1
Burning rubbish .....	10
Burning bedding .....	3
Boiling tar .....	2
Children playing with matches.....	8
Defective flue .....	33
Defective range .....	3
Defective furnace .....	3
Forge .....	2
From adjoining fire .....	1
False alarm .....	4
From previous fire .....	1
Fire crackers .....	8
Gas leaking .....	3
Gasoline stove .....	1
Hot ashes in barrel .....	1
Incendiary .....	23
Lighted cigar stump .....	1
Lamp explosion .....	16
Moss on roof .....	1
Sparks from electric wire .....	12
Sparks from stove .....	3
Sparks from chimney .....	19
Sparks from smoke stack .....	7
Sparks from grate .....	2
Smoke house .....	2
Spontaneous combustion .....	5
Telegraph wire .....	1
Unknown .....	22
Total .....	256

## CLASSIFICATION OF LOSSES, 1897.

Number of false alarms.....	4
Number of fires, no loss.....	149
Number of fires, loss under \$100.....	59
Number of fires, loss between \$100 and \$200.....	13
Number of fires, loss between \$200 and \$300.....	6
Number of fires, loss between \$300 and \$400.....	3
Number of fires, loss between \$400 and \$500.....	5
Number of fires, loss between \$500 and \$750.....	3
Number of fires, loss between \$750 and \$1,000.....	2
Number of fires, loss between \$1,000 and \$2,000.....	6
Number of fires, loss between \$2,000 and \$5,000.....	4
Number of fires, loss between \$5,000 and \$10,000.....	1
Number of fires, loss over \$10,000.....	1
Total .....	256

## FIRE RECORD 1883 TO 1897 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

## FIREMAN'S MUTUAL RELIEF ASSOCIATION.

## SECRETARY'S REPORT.

Portland, Oregon, January 1, 1898.

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, 1897, 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,

GEORGE L. CURRY,  
Secretary.

## RECEIPTS FOR 1897.

January 31, for dues and fines .....	\$ 87.50
February 29, for dues and fines .....	95.00
March 31, for dues and fines .....	85.50
April 30, for dues and fines.....	84.00
May 31, for dues and fines.....	75.00
June 30, for dues and fines.....	83.50
July 31, for dues and fines.....	91.00
August 31, for dues and fines.....	103.17
September 30, for dues and fines.....	85.50
October 31, for dues and fines.....	98.00
November 30, for dues and fines.....	83.50
December 31, for dues and fines.....	83.50
Cash premium received from sale salary warrants—	
April .....	\$6.50
May .....	9.50
August .....	2.85
	18.85

Total receipts ..... \$1,074.02

## DISBURSEMENTS FOR 1897.

February 5, warrant 617, Jos. Kenneally, sick benefit. . . . .	\$ 18.65
February 5, warrant 618, H. McClincy, sick benefit. . . . .	13.35
February 5, warrant 619, Louis Cone, sick benefit. . . . .	17.35
February 5, warrant 620, M. Thornton, sick benefit. . . . .	14.65
March 5, warrant 621, M. Thornton, sick benefit. . . . .	13.35
March 5, warrant 622, J. V. Yane, sick benefit. . . . .	9.30
March 5, warrant 623, Thos. Sherlock, sick benefit. . . . .	14.65
April 5, warrant 624, Thos. Sherlock, sick benefit. . . . .	13.33
April 5, warrant 625, J. J. Ryan, sick benefit. . . . .	37.33
May 5, warrant 626, Dr. Cardwell, professional services . . . . .	2.50
May 5, warrant 627, H. McClincy, sick benefit. . . . .	13.33
May 5, warrant 628, A. J. Powell, sick benefit. . . . .	40.00
May 5, warrant 629, Wm. McMahan, sick benefit. . . . .	13.33
June 7, warrant 630, Thos. Collins, sick benefit. . . . .	27.93
June 7, warrant 631, A. J. Powell, sick benefit. . . . .	10.66
June 7, warrant 632, A. J. Powell, sick benefit. . . . .	29.34
July 8, warrant 633, E. Thayer, account funeral expenses M. Youngferdorf, deceased. . . . .	75.00
July 8, warrant 634, Jos. Wilms, sick benefit. . . . .	40.00
July 8, warrant 635, Wm. McMahan, sick benefit. . . . .	19.95
July 8, warrant 636, J. K. Carr, sick benefit. . . . .	10.66
July 8, warrant 637, Thos. Collins, sick benefit. . . . .	30.66
July 8, warrant 638, Moyer & Co., merchandise. . . . .	7.50
July 8, warrant 639, Martin & Forbes, merchandise. . . . .	10.00
July 8, warrant 640, J. E. Fields, wagon hire. . . . .	2.50
August 5, warrant 641, F. A. Robinson, sick benefit. . . . .	13.33
August 5, warrant 642, O. McCarron, sick benefit. . . . .	17.33
August 5, warrant 643, J. K. Carr, sick benefit. . . . .	9.33
August 5, warrant 644, Jos. Wilms, sick benefit. . . . .	19.99
September 4, warrant 645, R. J. Jones, sick benefit. . . . .	27.99
October 6, warrant 646, Otto Peck, sick benefit. . . . .	25.32
October 6, warrant 647, L. Wisner, sick benefit. . . . .	9.33
October 6, warrant 648, Jas. P. White, sick benefit. . . . .	9.33
November 5, warrant 649, Otto Peck, sick benefit. . . . .	37.32
November 5, warrant 650, J. S. Freeman, sick benefit. . . . .	15.33
November 5, warrant 651, R. Collins, sick benefit. . . . .	31.99
November 5, warrant 652, L. Favero, sick benefit. . . . .	10.66
November 5, warrant 653, Jas. P. White, sick benefit. . . . .	9.33
November 5, warrant 654, M. A. Malarkey, sick benefit. . . . .	29.33
December 7, warrant 655, R. Collins, sick benefit. . . . .	39.99
December 7, warrant 656, M. A. Malarkey, sick benefit. . . . .	39.99
December 7, warrant 657, J. J. Gotthardt, sick benefit. . . . .	25.32
December 7, warrant 658, J. Hyde, sick benefit. . . . .	9.33

December 7, warrant 659, C. Graft, sick benefit. . . . .	11.99
December 7, warrant 660, Wm. Stephens, sick benefit. . . . .	11.99
December 7, warrant 661, H. Mitchell, hack. . . . .	1.00
January 5, warrant 662, Chas. May, sick benefit. . . . .	9.33
January 5, warrant 663, F. McNamara, sick benefit. . . . .	22.66
January 5, warrant 664, C. A. Chamberlain, sick benefit. . . . .	18.66
January 5, warrant 665, H. Youngferdorf, sick benefit. . . . .	10.66
January 5, warrant 666, Wm. Scheeland, sick benefit. . . . .	13.33
January 5, warrant 667, R. Collins, sick benefit. . . . .	18.66
January 5, warrant 668, J. J. Meagher, sick benefit. . . . .	13.33
January 5, warrant 669, parents Wm. Scheeland, deceased . . . . .	75.00
January 5, warrant 670, McAllen & McDonnell, merchandise . . . . .	4.95
January 5, warrant 671, W. H. Beeston, flowers. . . . .	17.00
January 5, warrant 672, M. Long, flowers. . . . .	.50
January 5, warrant 673, M. Quinn, labor. . . . .	2.50
Total disbursements . . . . .	\$1,097.42

## 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
Balance on hand . . . . .		3,800.62
	\$17,367.94	\$17,367.94

## 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, at 10 per cent. per annum, from June 14, 1893 (in hands of Treasurer) .....	\$ 2,400.00
Cash in hands of Treasurer .....	1,400.62
Total assets on hand .....	\$ 3,800.62

## SOURCES OF REVENUES FROM 1883 TO 1897 INCLUSIVE.

From dues and fines .....	\$14,763.77
From donations .....	950.50
From theater benefits .....	757.00
From interest .....	859.67
From miscellaneous sources .....	37.00
Total revenues .....	\$17,367.94

## CHIEF ENGINEER'S REPORT.

Portland, Oregon, December 31, 1897.

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

Gentlemen—I have the honor to submit for your consideration the following report of the present organization, and the operation of the Portland Paid Fire Department during the year ending December\*31, 1897, being the fifteenth annual report of this department, and my second annual report, as Chief thereof.

The present force of the department, under control of your honorable body, is as follows:

Chief Engineer .....	1
Assistant Chief Engineer.....	1
District Engineers .....	2
Secretary to Board of Fire Commissioners.....	1
Superintendent of Fire Alarm Telegraph.....	1
Fire alarm repair man.....	1
Supply driver .....	1
Permanent firemen .....	44
Firemen, subject to call of fire bell.....	99
Total manual force of the department.....	151

Horses in serviceable condition.....	56
Clapp & Jones steam fire engines.....	3
Waterous steam fire engine.....	1
Silsby steam fire engine .....	1
Amoskeag steam fire engine.....	1
Hayes hook and ladder trucks.....	4
Champion chemical fire engines, double, 60-gallon size.....	3
Hose wagons, 2-horse .....	6
Hose wagon, 1-horse .....	1
Hose reels, 2-horse .....	3
Hose cart, 1-horse .....	1
Buggies, for Chief, Assistant Chief, District Engineers, and Superintendent Fire Alarm Telegraph.....	5
Supply wagons (one heavy and one light).....	2

In addition to the above apparatus, in active service, there is in reserve:

Amoskeag fire engines, in fair condition.....	2
Silsby fire engine, in fair condition.....	1
Silsby fire engines, worn out and practically worthless.....	3
Hayes hook and ladder truck, in fair condition.....	1
Hose reels, 2-wheeled, for one horse, in fair condition.....	3

I desire to make special mention of the services rendered by the Volunteer Fire Companies, located in our suburban districts, which act as an auxiliary to the Paid Fire Department. They have been equipped with hose and apparatus furnished by us, as shown below, and are located as follows:

Portland Heights.....	1 hose reel and 700 feet of hose
Stephens' Addition.....	1 hose reel and 750 feet of hose
Piedmont .....	1 hose reel and 800 feet of hose



Fulton Park .....1 hose reel and 650 feet of hose  
 Multnomah .....1 hose reel and 500 feet of hose  
 Woodlawn .....1 hand village hook and ladder truck  
 Sellwood .....1 hose carriage (4-wheel), and 650 feet of hose; also 1 extension-ladder hook and ladder truck, with Babcocks and full equipment.

In the Paid Fire Department, there is in service at this time 4,250 feet of rubber hose. This is mostly in the outlying houses, as it is not in first class condition; the purchases of late years having been entirely of wax and gum-treated cotton fire hose, which is all in excellent condition. There is in service at present 10,900 feet of cotton hose, which with the rubber hose and the hose in the volunteer companies, as above, makes a total of 18,550 feet in the department entire.

During the year the fire loss has been .....	\$70,722.51
Insurance on buildings and contents where fire has occurred .....	914,452.00
Total insurance paid.....	63,876.01
Total loss over insurance paid.....	6,846.50

This record of fire losses is the lowest record in the history of the Paid Fire Department, and I take a pardonable pride in the record of our department for efficient work during the year just closed, in this connection.

No casualties have occurred to members of the department, and but few have been injured while in the performance of duty. The health and discipline of the department are good.

Notwithstanding the disbursements of the department have been practically within the appropriation, a number of additions and improvements have been made, the most important being substituting fifty new hydrants, purchased and located on our city water mains, along Front, First and Second streets, for those of the Portland Hydraulic Company, for which we have heretofore paid a service rental; thus saving the amount which would otherwise have been paid as such rental hereafter. In addition to the above, we have set about twenty additional hydrants throughout the city. With an outlay of only \$600.00, an exchange was made whereby we obtained a third class Clapp & Jones steam fire engine, in excellent condition, for a fifth class steamer of the same make, which, though in good condition, was entirely too small for service in our department, as it was a village size engine, intended to be drawn by hand instead of by horses, and was originally bought by Albina, before consolidation. Considerable repair work has been done to the buildings and cisterns belonging to the department.

Realizing as I do the scarcity of funds, it is with reluctance I call your attention to the unprotected condition of our water front, for which some provision should be made. The only adequate protection for this property would be a fire boat, yet the situation would be greatly improved were the streets lying east and west opened to the water's edge, thus providing a means for our steamers to take suction direct

from the river, which under certain conditions might prove an invaluable water supply.

The records of the department show that the work done by the three Chemical Engine Companies has been quite up to that of previous years. Fully 90 per cent. of all fires attended by them have been extinguished by the chemical engines alone, thus avoiding damage by water to buildings and their contents, and greatly assisting in keeping down the fire loss in our city.

I desire to offer the following recommendations for your consideration, trusting they may meet with your favorable action:

Each of our Hook and Ladder Companies in the business district should be equipped with Pompier ladders and Pompier belts, and a "Pompier corps" organized among the members of those several companies.

One or more "Vajen-Bader" smoke protectors should be procured, as the saving of human life may at any time depend upon having this meritorious article, now in general use in Fire Departments the country over. We should have seven more Cooper hose jackets, thus providing, with the four we now have, one for each of our Hose Companies. Scales, platform pattern, with a capacity of say 600 pounds at a draft, should be provided for each company house, enabling us to accurately weigh feed, fuel and other supplies when received. When ordering fire hydrants in future, we should specify the standpipe or "barrel" to be of six inches internal diameter, instead of four inches, as in the past, and the connections between hydrants and water mains should be of six inches internal diameter, instead of four inches, as in the past. This change will cost but little additional, and will greatly increase the delivery of the hydrants, enabling us to successfully take suction for two steam fire engines from one hydrant simultaneously, when conditions require.

During the year the following members have died:

M. Youngferdorf, June 12, 1897.

William Scheeland, December 14, 1897.

In conclusion, I wish to express my thanks to his honor, Mayor Penoyer, and your honorable Board, for courtesies extended, and zealous efforts in behalf of this department. Also to the Superintendent of Fire Alarm Telegraph for the satisfactory manner in which the duties devolving upon him have been discharged; to the Chief of the Police Department and his force for the assistance rendered at fires; and to the officers and members of this department for their hearty co-operation in improving the discipline of the department, prompt response to calls, and effective work done at fires.

Respectfully submitted,

T. DeBOEST,  
 Chief Engineer P. P. F. D.

FIRES AND ALARMS FROM JANUARY 1, 1897, TO DECEMBER  
31, 1897.

Total number of alarms responded to during year, 256. Boxes, 137; stills, 62; telephone, 57; false, 4.

Of total number of alarms, 153 were attended by no losses.

Total fire losses amounted to \$70,722.51, of which amount \$32,575.66 represents loss to buildings, and \$38,146.85 contents of buildings.

Total gross amount of insurance involved, \$914,452.00.

Total amount of insurance paid, \$63,876.01.

Total amount of loss over amount of insurance paid, \$6,846.50.

FIRES AND ALARMS, 1897.

January 2—1:05 A. M. Box 142.

No. 42½ Third street. 1 story brick; L. Therkelsen, owner; occupied by Japanese as restaurant; cause of fire, burning flue; no loss.

January 6—9:30 P. M. Still.

No. 164 Porter street. 2 story frame, owned by J. Spitzenberger; occupied by C. B. Sims as dwelling; chimney afire; insurance, \$2,000; no loss.

January 12—5:15 P. M. Telephone.

No. 965 Front street. Hot house, owned by E. C. Bronaugh; cause of fire, defective furnace; no insurance; loss, \$250.00.

January 12—3:30 P. M. Telephone.

No. 302 Madison street. 2 story frame, owned and occupied by F. Westenfelder as dwelling; cause of fire, smoke house; no insurance; no loss.

January 13—12:35 P. M. Telephone.

No. 942 Commercial street. 1 story frame, owned by Macmaster & Birrell; occupied by J. C. Sandstrom as residence; upset lamp; insurance, \$1,200.00.

January 14—6 P. M. Box 341.

No. 517 Borthwick street. 2 story frame, owned and occupied by W. S. Wilson as residence; cause of fire, upsetting of lamp; loss, \$52.75; insurance, \$1,200.00.

January 14—5:50 P. M. Telephone.

No. 287 West Park street. 2 story frame, owned by Lutheran church; occupied by J. N. Davis as parsonage; cause of fire, burning flue; no loss.

January 16—10:30 P. M. Box 48.

No. 126 North Twelfth street. 1 story frame, owned and occupied by G. Latourel as residence; cause of fire, burning mattress; no loss.

January 21—7:30 A. M. Box 25.

Rubbish.

January 21—1:05 P. M. Box 142.

No. 169 Burnside street. 3 story frame, owned by Geo. Marshall estate; occupied by C. Burdette as residence; cause of fire, defective flue; loss, \$75.00; insurance, \$1,000.00.

January 25—1:35 P. M. Box 51.

No. 191 Second street. 2 story brick, owned by Van B. DeLashmutt; occupied by Lee Lang Wah as drug store; cause of fire, burning flue; no loss.

January 25—6:45 P. M. Box 327.

No. 533 Beech street. 2 story frame, owned and occupied by Jas. Walsh as residence; cause of fire, defective flue; loss, \$10.00; insurance, \$800.00.

January 25—9:15 P. M. Box 23.

No. 327 Oak street. 2 story frame, owned by Mrs. J. Crowell; occupied by Margaret McGowan as residence; cause of fire, burning flue; no loss.

January 25—10:00 P. M. Box 26.

No. 365 North Seventeenth street. 1 story frame, owned and occupied by Dan Bonner as blacksmith shop; cause of fire, burning rubbish; no loss.

January 25—11:30 P. M. Box 31.

No. 191 Arthur street. 1 story frame, owned by R. Martin, jr.; occupied by J. Backenstos as dwelling; cause of fire, incendiary; loss, \$315.50; insurance, \$500.00.

January 26—5:05 A. M.

Same fire. No loss.

January 26—7:10 P. M. Telephone.

No. 425 Twelfth street. 2 story frame, owned by Dr. A. C. Smith; occupied by G. C. Nicholson as dwelling; cause of fire, burning flue; no loss.

January 28—5:00 P. M. Box 54.

No. 42 North Fourth street. 2 story frame, owned by R. R. Thompson; occupied by Japanese as dwelling; cause of fire, burning flue; no loss.

January 28—10:00 P. M. Box 23.

No. — Ninth street. 1 story frame, owned by H. L. Chalder; occupied by C. L. Stone as dwelling; cause of fire, burning flue; no loss.

January 29—6:20 A. M. Still.

No. 275 Front street. 2 story frame, owned by Mrs. Mulcahy; occupied by H. M. Hornden as cigar store; cause of fire, hot ashes; loss, \$10.00; insurance, \$500.00.

February 2—10:40 P. M. Box 14.

Southwest corner Second and Oak streets. 3 story brick, owned by Wm. Sherlock; occupied by Chinese as lodging house; cause of fire, fire crackers; loss, \$1,700; no insurance.

February 3—7:20 P. M. Box 341.

No. 271 Russell street. 2 story frame, owned by C. H. Hill; occupied by I. O. O. F. and K. of P. lodge room; cause of fire, burning flue; no loss.

February 14—7:20 A. M. Box 142.

No. 31 North Second street. 2 story frame, owned by G. H. Stephens; occupied by Japanese as lodging house; cause of fire, lamp explosion; loss, \$700; no insurance.

February 17—2:15 A. M. Box 16.

No. 67 North First street. 1 story frame, owned by G. H. Tilden; occupied by T. Scanda as restaurant; cause of fire, incendiary; no loss.

February 20—5:30 A. M. Box 39.

No. 553 Hood street. 1 story frame, owned and occupied by M. Weinstein as tailor shop; cause of fire, gasoline stove.

February 21—5:05 A. M. Box 142.

No. 62 North Third street. 1 story frame, owned by R. R. Thompson; occupied by J. Crisman as saloon; cause of fire, incendiary; loss, \$50; no insurance.

February 24—6:55 P. M. Box 59.

No. 346 Montgomery street. 2 story frame, owned by W. R. Steverson; occupied by A. H. Wells as dwelling; cause of fire, burning flue; no loss.

February 24—8:50 P. M. Box 142.

No. 79 North First street. 1 story frame, owned by A. Bunschuch; occupied by Mrs. Olcese as storehouse; cause of fire, incendiary; loss, \$35; insurance, \$1,000.

February 27—5:00 P. M. Still alarm.

No. 243 Columbia street. 2 story frame, owned by C. A. Dolph; occupied by E. W. Otis as lodging house; cause of fire, burning flue; no loss.

February 28—11:30 P. M. Telephone.

No. 1583 Macadam road. 2 story frame, owned and occupied by J. R. Rhose as saloon; cause of fire, lamp explosion; no loss.

March 1—11:40 P. M. Box 31.

No. 703 Second street. 1 story frame, owned by W. B. Murray; occupied by Isaac Goldberg as dwelling; cause of fire, lamp explosion; loss, \$237; insurance, \$2,400.

March 2—11:15 P. M. Box 325.

Northwest corner Prescott and Seventh streets, Highland. 2 story frame, owned by Dr. Geiger; unoccupied dwelling; cause of fire, unknown; loss, \$1,500; insurance, \$2,000.

March 4—7:30 P. M. Box 135.

No. 326 Stark street. 2 story frame, owned and occupied by F. Merrill as cyclery; cause of fire, burning flue; no loss.

March 7—2:45 P. M. Box 142.

No. 45 North Third street. 3 story brick, owned and occupied by Nicolai Bros. as warehouse; cause of fire, overheated stove; loss, \$4,320; insurance, \$5,700.

March 8—8:45 P. M. Telephone.

Northwest corner Pine and Oak streets. 1 story frame, owned and occupied by Wm. Daly as dwelling; cause of fire, burning flue; no loss.

March 10—7:55 P. M. Telephone.

No. 324 Chapman street. 2 story frame, owned and occupied by F. Naucke as dwelling; cause of fire, burning flue; no loss.

March 10—5:25 P. M. Box 15.

No. 34 North Front street. 2 story brick, owned by C. Flanders; occupied by United States as appraiser's office; cause of fire, electric wire; loss, \$400; insurance, \$2,000.

March 10—10:40 P. M. Box 12.

No. 145 North Second street. 2 story brick, owned by T. M. Richardson; occupied by Gun Wa as store; cause of fire, burning chimney; no loss.

March 11—12:30 P. M. Still alarm.

No. 546 Glisan street. 2 story frame, owned by J. C. Flanders; occupied by J. Sine as dwelling; cause of fire, defective flue; loss, \$10; insurance, \$600.

March 12—12:30 P. M. Telephone.

Northwest corner Fourteenth and Burnside streets. 2 story frame; owned by H. Verdier; occupied by S. Rattan as dwelling; cause of fire, burning chimney; no loss.

March 19—2:15 A. M. Still alarm.

No. 228 and 232 Williams avenue. 3 story brick, owned by John Mair; occupied by Union Meat Company as butcher shop and dwelling; cause of fire, electric wire; loss, \$1,500; insurance, \$12,900.

March 25—4:00 A. M. Box 135.

No. 361 Washington street. 2 story frame; owned by M. C. Smith; occupied by M. C. Bishop as lodging house; cause of fire, incendiary; loss, \$308; insurance, \$3,000.

March 25—12:30 P. M. Still alarm.

Northwest corner Second and Multnomah streets. 2 story frame, owned and occupied by F. A. Huggins as dwelling; cause of fire, storm; no loss.

March 25—1:00 P. M. Box 235.

No. 51 Union avenue. 2 story frame; owned by A. Lawler; occupied by Prof. Pratt as dwelling; cause of fire, defective flue; no loss.

March 25—4:30 P. M. Telephone.

Corner Water street and Hawthorne avenue. False alarm.

March 28—10:00 P. M. Still alarm.

No. 49 Union avenue. 1 story brick, owned by H. Weinhard; occupied by Fernau & Penney liquor store; cause of fire, defective flue; no loss.

March 29—9:15 P. M. Telephone.

Corner Milwaukie and Rhine streets. 3 story frame, owned by city; occupied as public school; cause of fire, electric wire; no loss.

March 31—2:00 P. M. Still alarm.

Corner Grand avenue and Davis street. 3 story brick, owned by H. Winters; occupied by stores and dwelling; cause of fire, stovepipe; no loss.

April 2—12:30 P. M. Box 16.

Nos. 75 and 77 First street. 1 story frame, owned by H. Brewster; occupied by Mrs. Planter as lodging house; cause of fire, smoking in bed; loss, \$132; insurance, \$1,000.

April 3—5:40 P. M. Box 142.

No. 44½ North Fourth street. 1 story frame, owned by R. Williams; occupied by Mrs. Rosetta as lodging house; cause of fire, defective flue; no loss.

April 11—4:20 P. M. Box 26.

No. 588 Raleigh street. 1 story frame, owned and occupied by John Went as dwelling; cause of fire, sparks from flue; loss, \$25; insurance, \$1,000.

April 13—11:50 A. M. Box 136.

Portland hotel. 7 story brick; owned by syndicate; occupied as hotel; cause of fire, unknown; loss, \$112; insurance, \$175,000.

April 14—6:10 P. M. Still alarm.

No. 269 Washington street. 3 story frame, owned by H. Ackerman; occupied by P. Steiner as restaurant; cause of fire, defective range; loss, \$90; insurance, \$8,500.

April 14—10:45 P. M. Still alarm.

No. 324 Second street. 2 story frame, owned by J. Fields; occupied by D. A. Pringle as dwelling; cause of fire, burning flue; no loss.

April 14—8:00 P. M. Telephone.

Corner Third and Clay streets. 1½ story frame, owned and occupied by Asphalt Company for refinery; cause of fire, tar barrel; no loss.

April 16—10:45 P. M. Telephone.

Corner Thirty-third and Hawthorne avenue. Burning brush.

April 17—1:00 A. M. Telephone.

Corner Thirty-fourth and Hawthorne avenue. 1 story barn, owned by C. Sharp; vacant; cause of fire, unknown; loss, \$3.50; no insurance.

April 17—11:30 A. M. Box 74.

No. 631 Hood street. 3 story frame, owned by Mrs. C. M. Rohr; occupied by F. Harvey as dwelling; cause of fire, sparks from chimney; no loss.

April 17—3:30 P. M. Still alarm.

No. 152 North Third street. 1 story frame, owned and occupied by J. C. Pike as tent factory; cause of fire, sparks from chimney; no loss.

April 21—11:30 A. M. Telephone.

No. 555 Morrison street. 2 story frame, owned and occupied by F. Richet as residence; cause of fire, burning chimney; no loss.

April 21—3:05 P. M. Telephone.

No. 454 Yamhill street. 2 story frame, owned by J. Fields; occupied by D. A. Pringle; dwelling; no loss.

April 22—3:45 P. M. Box 246.

Northeast corner Twenty-second and Couch streets. 1½ story frame, owned by Mutual Life Insurance Company; occupied by M. Thompson as dwelling; cause of fire, sparks from chimney; loss, \$5; insurance, \$800.

April 23—8:20 P. M. Still alarm.

No. 268 Mill street. 1 story frame, owned by M. Wise; occupied by L. Robinson as dwelling; cause of fire, lamp explosion; loss, \$10; insurance, \$700.

April 24—3:55 P. M. Box 213.

Water and East Alder streets. 1 story shed, owned and occupied by Multnomah box factory; cause of fire, sparks from stack; loss, \$1.50; insurance, \$11,000.

April 25—3:15 A. M. Box 126.

No. 270 Front street. 3 story frame, owned by Van DeLashmutt; occupied by C. Sigler as lodging house; cause of fire, unknown; no loss.

April 26—2:25 P. M. Box 21.

No. 151 Seventh street. 3 story frame, owned by Russell & Blyth; occupied by Mrs. Fanshaw as lodging house; cause of fire, unknown; loss, \$45; insurance, \$17,500.

April 26—7:15 P. M. Box 81.

No. 230 Woods street. 2 story frame, owned and occupied by Charles Ritter as dwelling; cause of fire, sparks on roof; loss, \$113; insurance, \$1,500.

April 27—6:50 P. M. Box 234.

(Call for public help. Street car plunging through bridge.)

April 27—9:20 A. M. Still alarm.

No. 531 Washington street. 2 story frame, owned by Richet Bros.; occupied by Sam Lee as wash house; cause of fire, sparks from chimney; no loss.

April 27—6:45 P. M. Box 215.

No. 239 Grand avenue. 1½ story frame, owned by Wiley B. Allen; occupied by J. D. Drew as residence; cause of fire, sparks from chimney; no loss.

April 27—2:20 P. M. Still.

No. 450 Glisan street. 2 story frame; owned by O'Shea Bros.; vacant; cause of fire, children playing with matches; no loss.

April 30—8:50 P. M. Box 73.

occupied by I. F. Powers as furniture factory; cause of fire, incendiary; Macadam and Lowell avenue. 1 story frame, owned by C. P. Bacon; loss, \$500.00; no insurance.

May 1—6:15 P. M. Still.

Corner Second and Grover streets. 1½ story frame, owned by E. Newsome; vacant dwelling; cause of fire, incendiary; loss, \$25.00; no insurance.

May 4—12:05 A. M. Box 259.

Corner Eleventh and Bismarck streets. Burning brush.

May 4—7:05 A. M. Box 53.

No. 105 East Park street. 2 story frame, owned and occupied by Henry Eihler as residence; cause of fire, burning chimney; loss, \$10.00; insurance, \$1,500.00.

May 6—4:20 P. M. Still.

No. 355 Everett street. 2 story frame, owned by W. W. Spaulding; occupied by G. Olson as stable; cause of fire, sparks from stack; no loss.

May 8—11:30 P. M. Still.

No. 105 North Front street. 2 story frame, owned and occupied by J. C. Pike, tent factory; sparks from stack; loss, \$25.00; no insurance.

May 11—10:10 A. M. Box 34.

No. 334 Grant street. 1 story frame, owned by H. C. Engelbert; occupied by J. Bell; dwelling; cause of fire, sparks from chimney; loss, \$5.00; insurance, \$1,000.00.

May 11—1:30 P. M. Still.

No. 105 North Front street. 1 story frame, owned and occupied by J. C. Pike as tent factory; cause of fire, sparks from chimney; loss, \$10.00; no insurance.

May 14—2:30 A. M. Telephone.

No. 223 Market street. 3 story frame, owned by Marx & Jorgensen; occupied by R. Buithofer as lodging house; cause of fire, unknown; loss, \$345.00; insurance, \$2,600.00.

May 14—5:20 P. M. Box 316.

No. 510 Williams avenue. 2 story frame, owned by R. Cheadle; occupied by Simpkins & Thorp as bakery; cause of fire, sparks from stack; loss, \$35.00; insurance, \$700.00.

May 18—8:45 P. M. Telephone.

Northeast corner Seventh and Washington streets. Brush fire.

May 20—4:50 P. M. Telephone.

Southwest corner Grand avenue and East Ash street. 3 story brick, owned by H. Baylor; occupied by Jessie Wilkins as hotel; cause of fire, burning flue; no loss.

May 20—6:00 P. M. Box 213.

East Alder and Water streets. Four 1 story frames, owned and occupied by Standard box factory; cause of fire, sparks from stack; no loss.

May 21—2:00 P. M. Box 214.

Corner Hawthorne avenue and Water street. One 2 story and four 1 story frames, owned and occupied by Wolff & Zwicker as machine shops; cause of fire, tar kettle; no loss.

May 21—7:15 P. M. Box 9.

No. 312 Tenth street. 1 story frame, owned by Mrs. J. Hayes; occupied by Mrs. James Steinman as dwelling; cause of fire, defective chimney; loss, \$10.00; insurance, \$500.00.

May 28—11:00 A. M. Still.

No. 232 Gibbs street. 1 story frame, owned by Hannah McCarty; occupied by G. B. Swank as dwelling; cause of fire, defective flue; loss, \$35.00; insurance, \$500.00.

May 30—5:30 P. M. Still.

Worcester block. Third and Stark streets. 6 story brick, owned by H. W. Corbett; occupied by railroad company; cause of fire, electric wire; loss, \$400.00; insurance, \$25,000.00.

June 1—10:00 A. M. Box 216.

Corner Twenty-third street and Hawthorne avenue.  $\frac{1}{2}$  story frame, owned by R. Williams; vacant; used as children's play house; cause of fire, unknown; no loss.

June 2—2:00 A. M. Still.

No. 1100 Mallory street. 1 story frame, owned by Mrs. Patton; occupied by Leon McDonald as residence; cause of fire, incendiary; loss, \$700.00; insurance, \$700.00.

June 2—11:10 P. M. Box 135.

No. 310 Stark street. 1 story frame, owned by C. Malarkey; occupied by Chinese as lodging house; loss, \$100.00; no insurance.

June 3—7:05 A. M. Box 68.

No. 26 X street. 1 story frame, owned and occupied by G. Haggard as dwelling; cause of fire, unknown; loss, \$200.00; no insurance.

June 5—5:10 A. M. Box 135.

No. 133 Sixth street. 3 story frame, owned by C. B. Schase; occupied by Fred Merrill as cyclery; cause of fire, unknown; loss, \$10,000.00; insurance, \$10,000.00.

June 5—5:10 A. M. Box 135.

No. 135 Sixth street. 3 story frame, owned by Ladd estate; occupied by Jos. McKee as saloon; cause of fire, adjoining fire; loss, \$2,900.00; insurance, \$5,500.00.

June 5—5:10 A. M. Box 135.

No. 135 Sixth street. 3 story frame, owned by Ladd estate; occupied by Frankie Campbell as lodging house; cause of fire, adjoining fire; loss, \$500.00; insurance, \$1,000.00.

June 5—10:45 P. M. Box 51.

No. 209 $\frac{1}{2}$  Third street. 1 story frame, owned by O. R. Heinz; occupied by C. Dennison as barber shop; cause of fire, fire crackers; loss, \$5.00; no insurance.

June 6—8:00 P. M. Telephone.

No. 305 Washington street. 2 story frame, owned by Meade estate; occupied by Boericke & Runyon as drug store; cause of fire, electric light; no loss.

June 7—12:10 P. M. Box 135.

No. 334 Alder street. 3 story frame, owned by P. J. Marquam; occupied by Mrs. Dickison as lodging house; cause of fire, sparks from chimney.

June 9—9:10 P. M. Box 243.

No. 122 East Twelfth street. 2 story frame, owned and occupied by Captain F. H. West as residence; cause of fire, defective flue; no loss.

June 9—11:05 P. M. Box 74.

No. 667 $\frac{1}{2}$  Woods street. 3 story frame, owned by J. Humphrey; vacant; dwelling; cause of fire, incendiary.

June 10—12:36 P. M. Box 241.

Corner East Everett and Seventh streets. Burning brush.

June 17—2:10 P. M. Still.

No. 105 Sixteenth street. 3 story frame, owned and occupied by Richard Hoyt as dwelling; cause of fire, burning chimney; no loss.

June 18—12:10 P. M. Box 54.

No. 5 North Fourth street. 2 story frame, owned by Captain Williams; occupied by Japanese as lodging house; cause of fire, sparks from burning chimney.

June 20—8:20 A. M. Telephone.

No. 145 Third street. 2 story frame, owned by John Wilson; occupied by Theo. Liebig as bakery; cause of fire, burning rubbish; no loss.

June 21—2:20 A. M. Still.

Corner Fifth and Morrison streets. 4 story stone; United States postoffice; gas explosion.

June 30—11:10 P. M. Still.

Second and Oak streets. 3 story brick; city jail; cause of fire, electric wire; loss, \$50.00.

July 1—2:10 A. M. Box 45.

No. 385 Glisan street. 2 story frame, owned by A. Burckhardt; occupied by H. M. Burk as residence; cause of fire, sparks from chimney; no loss.

July 4—3:15 P. M. Box 36.

No. 425 Mill street. 1 story frame, owned by I. Walters; vacant; dwelling; cause of fire, fire crackers.

July 4—7:00 P. M. Box 34.

No. 469 Seventh street. 2 story frame, owned by Mrs. B. Capen; occupied by F. A. Gilbert as dwelling; cause of fire, incendiary; loss, \$56.85; insurance, \$2,500.00.

July 4—12:40 P. M. Still.

No. 20 Union avenue. 1 story frame barn, owned by Thos. Parrott; occupied by E. Mulig as stable; cause of fire, fireworks; no loss.

July 5—11:40 A. M. Still.

No. 20 Raleigh street. False alarm.

July 5—9:10 P. M. Still.

No. 309 Russell street. 1 story frame, owned and occupied by John Lound as dwelling; cause of fire, fireworks; no loss.

July 5—9:25 P. M. Still.

No. 556 Hoyt street. 1 story frame, owned by G. Gilder; occupied by H. J. Young as residence; cause of fire, fireworks; no loss.

July 6—4:20 P. M. Box 251.

Nos. 364 and 362 Grand avenue. Two 2 story frames, owned by J. Olsen; occupied by N. Clark and Wm. Gilmore as residences; cause of fire, fireworks; loss, \$20.00; insurance, \$2,650.00.

July 7—9:00 P. M. Woodlawn.

One 3 story brick, two 2 story frames, being drug store, bakery and empty dwelling; loss, \$5,140.00; insurance, \$5,500.00; cause of fire, lamp explosion.

July 9—9:15 P. M. Telephone.

No. 305½ Washington street. 2 story frame, owned by Meade estate; occupied by Stubbs & Lawrence as hardware store; cause of fire, burning chimney; no loss.

July 11—8:25 P. M. Box 53.

No. 381 Yamhill street. 4 story frame; boarding house; owned by Mrs. C. P. Elwert; occupied by Ella Agnew; cause of fire, defective flue; loss, \$40.00; insurance, \$2,600.00.

July 12—1:05 P. M. Box 246.

No. 55 East Twenty-eighth street. 2 story frame, owned by L. C. Conser; his residence; cause of fire, lamp explosion; loss, \$150.00; insurance, \$1,200.00.

July 12. 2:15 P. M. Box 246.

No. 55 East Twenty-eighth street. Same fire.

July 12—3:40 P. M. Box 56.

No. 429 Salmon street. 3 story frame, owned by W. Leonard; occupied by J. Hackney; dwelling; cause of fire, defective flue; no loss.

July 13—7:25 P. M. Box 135.

No. 328 Stark street. 2 story frame, owned by Mrs. J. A. Kelly; occupied by Sen Ling; laundry; cause of fire, burning chimney; no loss.

July 14—8:00 P. M. Box 68.

No. 26 Nicolai street. 1 story frame, owned by N. Versteeg estate; occupied by D. Versteeg as blacksmith shop; cause of fire, sparks from forge; loss, \$5.00; insurance, \$2,000.00.

July 15—1:10 P. M. Box 124.

No. 386 First street. 1 story frame, owned by H. Failing (trustee); occupied by B. Ellis as dwelling; cause of fire, defective flue; loss, \$75.00; insurance, \$800.00.

July 17—9:50 P. M. Box 68.

No. 26 Nicolai street. 1 story frame, owned by N. Versteeg estate; occupied by L. Versteeg as brickmaking plant; cause of fire, unknown; loss, \$1,500.00; insurance, \$2,000.00.

July 22—5:00 A. M. Still.

No. 340 Front street. 2 story brick, owned by R. Stoehr; occupied by F. Ludisher as bakery; cause of fire, sparks from chimney; no loss.

July 22—1:05 A. M. Still.

Corner Front and Ash streets. 2 story frame, owned and operated by O. R. & N. Co. as dock; cause of fire, spontaneous combustion; no loss.



July 26—12:20 P. M. Still.

No. 145 Third street. 2 story frame, owned by John Wilson; occupied by Theo. Liebe as bakery; cause of fire, sparks from chimney; no loss.

July 27—3:00 P. M. Box 127.

No. 9 Second street. 3 story frame, owned and operated by Closset & Devers as spice and coffee mills; cause of fire, spontaneous combustion; loss, \$167.00; insurance, \$49,000.00.

July 28—10:40 A. M. Box 243.

No. 244 East Sixteenth street. 1 story frame, owned by John Clark; occupied by Ed. Bolich as residence; cause of fire, children with matches; loss, \$190.00; insurance, \$800.00.

July 28—10:40 A. M. Box 243.

No. 626 East Salmon street. 1 story barn, owned by John Clark; adjoining above; same fire; loss, \$40.00.

July 28—10:40 A. M. Box 245.

Nos. 628 and 630 East Salmon streets. 1 story frame residence; empty; owned by Captain Callahan; same fire; loss, \$201.00; insurance, \$500.00.

July 29—4:00 P. M. Telephone.

No. 129 Fourth street. 3 story frame, owned by Mrs. Mary Burk; occupied by A. Donnerberg as plumbing shop; cause of fire, children and matches; no loss.

July 30—1:45 A. M. Box 13.

July 31—7:20. Box 16.

First and Flanders streets. Burning rubbish.

August 3—9:40 A. M. Box 259.

No. 548 Frederick street. 1 story frame, owned and occupied by E. Anderson as dwelling; cause of fire, defective flue; loss, \$23.00; insurance, \$750.00.

August 3—12:55 A. M. Box 72.

Marquam hill. Burning brush.

August 3—3:25 P. M. Telephone.

Corner Front and Overton streets. Rubbish burning on Railroad Terminal Company's grounds; caused by sparks from engine.

August 3—4:00 P. M. Still.

No. 170 Union avenue. 1 story barn and 2 story frame; empty; owned by Mr. Pearslee; cause of fire, children playing with matches; no loss.

August 3—5:55 P. M. Telephone.

Corner Front and Fettygrove streets. Coal dock, owned and operated by F. C. Davidge & Co.; cause of fire, spontaneous combustion.

August 4—11:50 A. M. Still.

No. 7 Lovejoy street. Rubbish burning on terminal yards; no loss.

August 5—12:40 P. M. Box 14.

No. 74 Fourth street. 2 story frame, owned by H. Weinhard; occupied by Mrs. M. Peate as lodging house; cause of fire, unknown; no loss.

August 6—11:30 A. M. Box 215.

No. 259 Union avenue. 3 story frame, owned by J. F. Brady; occupied by Mike Freeman as hotel; cause of fire, defective flue; no loss.

August 7—2:20 A. M. Box 324.

No. 205 Shaver street. 2½ story frame, owned and occupied by Dr. L. M. Davis as dwelling; cause of fire, unknown; loss, \$6,793.00; insurance, \$10,000.00.

August 8—4:50 P. M. Box 53.

No. 190 Seventh street. 1 story storeroom, owned by J. C. Ainsworth estate; transient lodging house; cause of fire, unknown; loss, \$500.00; insurance, \$800.00.

August 9—11:40 P. M. Telephone.

No. 502 Washington street. 1 story frame, owned by J. Saling; occupied by General Eduardo Killfeather as dwelling; cause of fire, burning chimney; no loss.

August 14—7:10 A. M. Telephone.

No. 62 Burnside street. 5 story stone, owned and occupied by Snell, Heitslu & Woodard as wholesale drug house; cause of fire, escaping acids; no loss.

August 16—1:45 A. M. Box 8.

No. 147 Thirteenth street. 3 story frame boarding house, owned by T. Richardson; occupied by Elizabeth Dugdale; cause of fire, burning chimney; no loss.

August 16—9:15 P. M. Box 321.

No. 689 Missouri avenue. 1 story frame, owned and occupied by J. Shaunnessy as dwelling; cause of fire, lamp explosion; loss, \$57.00; insurance, \$500.00.

August 18—11:25 A. M. Box 258.

Grand avenue and Caruthers street. Inman, Poulsen & Co. saw mill yard; burning slabwood; no loss; insurance, \$90,000.00.

August 18—11:25 A. M. Box 258.

1 story frame power house of Portland General Electric Company, adjoining above; no loss; insurance, \$7,000.00.

August 20—2:20 P. M. Still.

No. 253½ First street. 2 story frame, owned by Philo Holbrook; occupied by D. J. Buckley as lodging house; cause of fire, unknown; loss, \$25.00; insurance, \$1,500.00.

August 21—1:35 P. M. Box 142.

No. 272 Davis street. 2 story frame, owned by J. Burger; occupied by J. Christ as rooming house; cause of fire, sparks from chimney; loss, \$5.00; no insurance.

August 21—11:10 P. M. Still.

No. 80 North Third street. 3 story frame, owned by J. K. Smith; occupied by G. Erlinger as lodging house; cause of fire, lamp explosion; no loss.

August 23—5:00 A. M. Box 126.

No. 270 First street. 3 story brick, owned by Mulkey estate; occupied by Peters & Roberts as furniture store; cause of fire, electric wire; loss, \$10,497.00; insurance, \$11,500.00.

August 23—11:30 A. M. Telephone.

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

August 23—1:45 P. M. Box 142.

No. 105 North Third street. Same; no loss.

August 23—9:15 P. M. Box 25.

No. 356 North Twelfth street. 1 story frame, owned and conducted by P. Fuller & Co. as glass, oil and paint house; cause of fire, spontaneous combustion; loss, \$18,000.00; insurance, \$18,000.00.

August 24—10:30 A. M. Still.

No. 807 Front street. 2 story frame, owned by J. D. Kennedy estate; occupied by Dr. Bristow as residence; cause of fire, burning chimney; no loss.

August 24—11:10 A. M. Still.

Burning rubbish.

August 29—2:12 A. M. Box 259.

No. 549 Milwaukie street. 1 story frame, owned by U. Grunsteine; his residence; cause of fire, incendiary; loss, \$440.00; insurance, \$750.00.

August 31—4:45 P. M. Still.

No. 134 Sixth street. 2 story brick, owned by Jacobs Bros.; occupied by Pope Manufacturing Company as cyclery; cause of fire, overbeated furnace; no loss.

September 2—4:25 P. M. Box 72.

No. 1060 Kelly street. 3 story frame, owned by Frank Hellen; occupied by W. T. Bodley as dwelling; cause of fire, burning flue; no loss; insurance, \$2,900.00.

September 2—4:35 P. M. Box 69.

Northwest corner Nineteenth and Wilson streets. 3 story frame, owned and occupied by J. C. Bodkins as dwelling; cause of fire, burning flue; no loss.

September 3—4:45 A. M. Telephone.

East Water and Washington streets. 1 story frame, owned by A. J. Knott; occupied by J. M. Coulten as fruit dryer; false alarm.

September 5—2:10 A. M. Box 46.

Corner Nineteenth and Washington streets. 3 story frame; empty; owned by Russell & Blyth, agents; used as Exposition building; cause of fire, electric wire; loss, \$1,200.00; insurance, \$6,000.00.

September 7—9:15 A. M. Box 135.

Seventh and Washington streets. 2 story frame, owned by H. McGinn; occupied by Japanese as bazaar; cause of fire, burning chimney; no loss.

September 15—12:30 A. M. Telephone.

No. 367 Oak street. 1 story frame, owned by Wm. Brown; occupied by Wm. Markwood as dwelling; cause of fire, moss on roof; no loss.

September 16—7:00 P. M. Telephone.

Union avenue and Belmont street. Rubbish burning.

September 17—8:15 P. M. Box 63.

No. 135 Tenth street. 2 story frame, owned by Mrs. Baxter; occupied by Mrs. E. J. Green as dwelling; cause of fire, burning chimney; no loss.

September 18—10:30 P. M. Box 321.

No. 791 Montana avenue. 1 story frame barn; empty; owned by Mrs. H. E. Scoofais; cause of fire, incendiary; loss, \$15.00; no insurance.

September 21—11:05 A. M. Box 57.

No. 200 North Fourteenth street. 2 story frame, owned by Mrs. R. Williams; occupied by Mrs. J. Fleming as residence; cause of fire, defective chimney; no loss.

September 25—12:45 P. M. Box 23.

No. 327 Oak street. 2 story frame, owned by Martha Crowley; occupied by Margaret McGowen as residence; cause of fire, defective chimney; loss, \$198.50; insurance, \$2,500.00.

September 25—6:50 P. M. Still.

No. 135 Fourteenth street. 2 story frame, owned by H. B. Chase; occupied by W. S. Drake as residence; cause of fire, burning flue; no loss.

October 3—12:05 P. M. Still.

No. 232 Jefferson street. 2 story frame, owned by Wm. M. Price; occupied by J. W. Warrell as dwelling; cause of fire, defective flue; loss, \$10.00; no insurance.

October 3—8:45 P. M. Box 34.

No. 553 Sixth street. 1 story frame, owned by J. H. Roos; his residence; cause of fire, lamp explosion; no loss.

October 5—3:30 A. M. Box 23.

No. 9 North Ninth street. 2 story frame, owned by C. A. McCall; occupied by S. L. Stone; dwelling; cause of fire, defective gas meter; no loss.

October 5—9:15 P. M. Box 12.

No. 140 First street. 4 story brick, owned by Gilman estate; occupied by D. Dunne as paint store; cause of fire, electric wire; loss, \$1,060.00; insurance, \$14,500.00.

October 6—12:30 A. M. Box 9.

No. 82 North Ninth street. 2 story frame, owned by K. S. Jones; his residence; cause of fire, burning grease; no loss.

October 8—12:10 A. M. Box 73.

Macadam road. 3 story frame, owned and occupied by L. Zimmermann; meatpacking plant; cause of fire, combustion; loss, \$24,615.00; insurance, \$40,000.00.

October 8—6 A. M. Still.

No. 500 Williams avenue. 2 story frame, owned by R. Cheadle; occupied by Linquist & Thorp as bakery; cause of fire, defective flue.

October 12—11:30 A. M. Still.

No. 268½ Front street. 4 story frame, owned by Van B. DeLashmutter; occupied by S. P. Huffman as lodging house; cause of fire, defective flue; loss, \$25.00; no insurance.

October 12—5:45 P. M. Box 29.

No. 668 Everett street. 2 story frame, owned and occupied by Mrs. Bernstein as dwelling; cause of fire, defective flue.

October 14—5:55 P. M. Telephone.

No. 340 Twelfth street. 3½ story frame, owned and occupied by C. Conser as residence; cause of fire, defective flue; no loss.

October 16—6:15 P. M. Still.

No. 132 Sixteenth street. 1 story frame, owned and occupied by F. Richet as residence; cause of fire, burning flue; no loss.

October 21—1:30 A. M. Box 18.

Front and Lovejoy streets. House-boat, owned by Mike Mahanna; his residence; cause of fire unknown; loss, \$10.00; no insurance.

October 21—12:55 P. M. Box 71.

No. 915 Water street. 1½ story frame; vacant; owned by Mrs. Carr; dwelling; cause of fire, incendiary; loss, \$125.00; insurance, \$700.00.

October 22—7:10 P. M. Box 142.

No. 71½ Couch. 2 story frame, owned by Peter Taylor; occupied by Miss Ladan as residence; cause of fire, burning chimney; no loss.

October 23—2:10 A. M. Telephone.

No. 583 Burnside street. 1 story frame, owned and occupied by Ben Norden as residence; cause of fire, burning chimney; no loss.

October 24—5:30 P. M. Telephone.

Sixth and Morrison streets. 9 story brick; Marquam theater; canvas awning burning.

October 26—12:20 A. M. Box 8.

No. 554 Taylor street. 2 story frame, owned by E. G. Mackay; occupied by A. Stringer as dwelling; cause of fire, burning chimney; no loss.

October 27—9:20 A. M. Box 35.

No. 512 Market street. 2 story frame, owned and occupied by W. H. Allen as dwelling; cause of fire, defective flue.

October 28—7:55 P. M. Telephone.

No. 674 Johnson street. 2 story frame, owned by R. A. Miller; occupied by Dr. J. H. Amos as dwelling; cause of fire, burning chimney; no loss.

October 30—8:30 A. M. Telephone.

Corner Russell street and Mississippi avenue. 3 story brick; stores and residence; cause of fire, burning chimney; no loss.

October 30—8:15 P. M. Still.

No. 207 Third street. 3 story brick, owned by Gerson & Taubheimer; occupied by P. Moore as hotel; cause of fire, unknown; no loss.

October 30—5:00 P. M. Telephone.

No. 314 East Eleventh street. 2 story frame, owned and occupied by John Myers as residence; cause of fire, defective flue; no loss.

November 1—6:35 A. M. Still.

No. 226½ Yamhill street. 3 story brick, owned by Tyler Woodward; occupied by Mrs. P. E. Stovall; chop house; cause of fire, lamp explosion; loss, \$52.85; insurance, \$6,200.00.

November 2—8:25 P. M. Telephone.

No. 404 Madison street. 3 story frame, owned by Mrs. M. S. Burrell; occupied as residence; cause of fire, burning chimney; no loss; insurance, \$10,000.00.

November 3—5:15 P. M. Box 9.

No. 111 North Ninth street. 2 story frame, owned by Labbe Bros.; occupied by C. Connel as dwelling; cause of fire, burning chimney; no loss.

November 9—3:00 P. M. Still.

No. 264 East Thirty-seventh street. 1 story frame, owned by W. Morrell; his residence; cause of fire, burning chimney; loss, \$5.00; insurance, \$700.00.

November 15—5:00 P. M. Still.

No. 455 Fifth street. 1 story frame, owned by D. Kelly; occupied by A. H. Megley; dwelling; cause of fire, broken stove pipe; no loss.

November 18—9:15 A. M. Still.

Russell street. Cable box Oregon Telephone Company burning; no loss.

November 18—9:35 A. M. Still.

No. 227 Stark street. 3 story brick, owned by H. W. Corbett; used as lodging house; cause of fire, defective flue; loss, \$15.00; insurance, \$20,000.00.

November 18—10:05 A. M. Box 325.

No. — Garfield avenue. 1 story frame, owned and occupied by John George as residence; cause of fire, defective flue; loss, \$5.00; insurance, \$700.00.

November 19—9:00 P. M. Still.

No. 50 North Front street. 2 story brick, owned by R. R. Thompson; occupied by St. Clair Packing Company; cause of fire, sparks from furnace; loss, \$15.00; insurance, \$2,300.00.

November 22—6:10 P. M. Still.

No. 335 Sixth street. 2 story frame, owned by J. Shultz; occupied by Mrs. Townsend as dwelling; cause of fire, burning chimney; no loss.

November 22—10:30 P. M. Telephone.

River front. 1 story frame, owned and operated by S. P. Co.; telegraph office; cause of fire, telegraph wire; loss, \$35.00; no insurance.

November 23—9:30 A. M. Telephone.

No. 187 Twenty-third street. 2 story frame, owned by H. McGinn; his residence; cause of fire, burning chimney; no loss.

November 26—9:00 A. M. Still.

No. 372 Sixth street. 1 story frame, owned by M. Matthews; occupied by Mrs. Small as dwelling; cause of fire, burning chimney; no loss.

November 26—9:45 A. M. Box 218.

No. 568 East Pine street. 2 story frame, owned by J. Kenworthy; occupied by Mrs. Thomas as dwelling; cause of fire, burning chimney; no loss.

November 26—4:55 P. M. Box 218.

Northeast corner East Washington and Alder streets. False alarm.

November 27—8:10 P. M. Telephone.

No. 12½ North Third street. 3 story frame, owned by Marx & Jorgensen; occupied by John Baker; lodging house; cause of fire, incendiary; no loss; insurance, \$23,000.00.

November 27—8:30 P. M. Box 15.

Southeast corner Twenty-second and Burnside streets. 2 story frame lodging house, owned by John Shea; occupied by J. Muehler; cause of fire, incendiary; loss, \$225.00; insurance, \$1,300.00.

November 27—8:40 P. M. Box 54.

Southwest corner Third and Ash streets. 2 story frame lodging house, owned by R. R. Thompson; occupied by Mrs. J. Keith; cause of fire, incendiary; loss, \$25.00; insurance, \$1,800.00.

November 27—9:15 P. M. Still.

No. 321 First street. 3 story frame hotel, owned and operated by Schade & Harman; cause of fire, incendiary; loss, \$30.00.

November 27—9:45 P. M. Box 12.

Northeast corner First and Morrison streets. 3 story frame lodging house, owned by S. D. Smith; occupied by Mrs. R. Jones; cause of fire, incendiary; loss, \$200.00; insurance, \$2,500.00.

November 27—9:50 P. M. Still.

No. 202½ Jefferson street. 2 story frame lodging house, owned by J. Kamm; occupied by J. P. Gannon; cause of fire, incendiary; loss, \$35.00.

November 27—10:15 P. M. Still.

No. 251½ First street. 3 story brick lodging house, owned by L. Love; occupied by D. J. Buckley; cause of fire, incendiary; loss, \$40.00.

November 28—3:10 P. M. Telephone.

No. 268 East Park street. 1½ story frame dwelling, owned by Judge R. Stott; occupied by Mrs. A. Meyer; cause of fire, burning chimney; loss, \$10.00.

November 29—7:35 A. M. Telephone.

No. 293 Sixth street. 3 story frame dwelling, residence of Mrs. Ladd; cause of fire, unknown; no loss; insurance, \$100,000.00.

December 4—6:45 A. M. Telephone.

River front. Five 1 story frame warehouses, owned and operated by Allen & Lewis; cause of fire, incendiary; loss, \$10.00; insurance, \$100,000.00.

December 6—6:30 P. M. Box 236.

No. 434 Holladay avenue. 2 story brick, owned and occupied by J. Zimmerman; his residence; cause of fire, electric wire; loss, \$2.50; insurance, \$1,500.00.

December 7—8:30 A. M. Box 34.

No. 475 Seventh street. 2 story frame, owned by W. S. Ladd (trustee); occupied by E. A. Holdridge as dwelling; cause of fire, burning chimney; no loss.

December 7. Box 63.

No. 102 Alder street. Electric pole of Portland General Electric Company; cause of fire, wire conductor; no loss.

December 7—7:20 P. M. Telephone.

No. 429 Pacific street. 2 story frame, owned by A. Bundschurch; occupied by A. Harr; residence; cause of fire, electric wire; loss, \$20.00; insurance, \$1,900.00.

December 8—5:50 P. M. Still.

No. 535 Glisan street. 2 story frame, owned by Captain Buchanan; occupied by R. H. Weeks; residence; cause of fire, burning chimney; no loss.

December 8—10:20 P. M. Still.

No. 261 First street. 2 story frame, owned by J. S. Keller; occupied by T. Duffy as butcher shop; cause of fire, sparks from smoke house; no loss.

December 12—12:30 A. M. Box 319.

No. 399 Sacramento street. 1 story frame, owned by T. A. Turner; occupied by J. Schwabacher; his residence; cause of fire, unknown; loss, \$170.00; insurance, \$600.00.

December 12—6:05 P. M. Box 216.

No. 353 Eleventh street. 1 story frame, owned by J. Murphy; occupied by G. F. Brutbeirth as dwelling; cause of fire, burning chimney; no loss.

December 12—6:50 P. M. Still.

No. 548 Lovejoy street. 2 story frame, owned by Thos. Huntington; occupied by B. J. Jones; dwelling; cause of fire, burning flue; no loss.

December 13—8:05 P. M. Telephone.

No. 102 North Twelfth street. 2 story frame, owned by Jas. Fisk; occupied by J. H. Hadigan; dwelling; cause of fire, burning flue.

December 15—1:15 P. M. Telephone.

No. 383 West Park street. 3 story frame dwelling of Edward Failing; cause of fire, burning chimney; no loss.

December 15—4:10 P. M. Telephone.

No. 251 Ankeny street. 2 story frame, owned by Mrs. J. Burk; occupied by F. M. Steffen as restaurant; cause of fire, defective stove; no loss.

December 17—11:20 A. M. Telephone.

No. 288 Grand avenue. 2 story frame, owned by A. Heintz; occupied by J. Reynolds as cigar store; cause of fire, defective flue; no loss.

December 18—11:15 A. M. Telephone.

No. 305 Washington street. 2 story frame, owned by Meade estate; occupied by O. B. Stubbs as hardware store; cause of fire, defective flue; no loss.

December 19—1:00 P. M. Box 64.

No. 611 Pettigrew street. 1 story frame, owned by J. B. Levy; occupied by J. C. Christian as dwelling; cause of fire, defective flue; loss, \$15.00; insurance, \$500.00.

December 23—7:30 P. M. Box 54.

No. 61 Fifth street. 2 story frame, owned by F. O'Neil; vacant; cause of fire, incendiary; loss, \$100.00.

December 23—9:30 P. M. Box 23.

No. 15 North Ninth street. 2 story frame, owned by Captain J. Wolf; his dwelling; cause of fire, burning chimney; no loss.

December 23—9:45 P. M. Box 52.

No. 347½ Fifth street. 3 story frame, owned and occupied by R. Mendenhall; rooming house; cause of fire, defective flue; no loss.

December 23—10:20 P. M. Telephone.

Same fire. No loss.

December 23—3:20 A. M. Box 135.

No. 312 Washington street. 1 story frame, owned by Labbe Bros.; occupied by C. M. Meredith as umbrella factory; cause of fire, defective stove.

December 24—10:30 A. M. Still.

No. 514 Everett street. 2 story frame, owned by O. Carr; his residence; cause of fire, defective flue; loss, \$50.00; insurance, \$1,000.00.

December 26—8:40 P. M. Still.

No. 334 East Thirteenth street. 2 story frame, owned and occupied by H. E. Mitchell; his residence; cause of fire, burning flue; no loss.

December 26—12:40 P. M. Box 25.

No. 488 Marshall street. 2 story frame, owned by W. J. Gill; occupied by L. Zimmerman; residence; cause of fire, burning flue; no loss.

December 26—9:45 A. M. Still.

No. 366 East Sixth street. 1 story frame, owned by M. Hoophman; occupied by G. W. Woodber; dwelling; cause of fire, burning flue; no loss.

December 26—6:30 P. M. Still.

No. 286 Tillamook street. 1 story frame, owned by J. Menefee; occupied by E. G. Smith; dwelling; cause of fire, lamp explosion; loss, \$30.00; insurance, \$400.00.

December 27—4:20 P. M. Telephone.

No. 272 Taylor street. 1 story frame, owned by J. Bloom; occupied by On Gee; wash house; cause of fire, defective flue; no loss.

December 28—7:30 P. M. Telephone.

Southwest corner Fifteenth and Couch streets. 3 story brick; Willamette medical college; conducted by Mrs. J. S. Perry (who was severely burned); cause of fire, lamp explosion; no loss.

December 30—8:45 P. M. Box 7.

No. 253 West Park street. 2 story frame, owned by Mrs. H. W. Corbett; occupied by A. L. Mohler; dwelling; cause of fire, gas jet; loss, \$220.00; insurance, \$2,800.00.

December 31—8:10 P. M. Box 243.

No. 140 East Seventeenth street. 2 story frame, owned and occupied by W. H. Benham; his residence; cause of fire, lamp explosion; loss, \$40.00; insurance, \$2,800.00.

December 31—9:00 P. M. Telephone.

False alarm.

December 31—11:25 P. M. Box 16.

Northwest corner Third and Flanders streets. 2 story frame, owned and used by O. R. & N. Co. as wharf; cause of fire, defective forge; loss nominal.

ANNUAL REPORT OF ENGINE COMPANY NO. 1, FOR 1897.

LOCATION—170 Fourth Street.

(Disbanded September 27, 1897.)

No. of Badge	Name	Position	Age	Occupation	Residence
3	C. Dobelbower.....	Foreman.....	42	Carpenter.....	Engine House.....
4	C. O'Brien.....	Engineer.....	50	Engineer.....	Engine House.....
5	J. V. Yane.....	Engine Driver.....	29	Teamster.....	Engine House.....
6	A. Mundorf.....	Hose Driver.....	24	Teamster.....	Engine House.....
7	F. McNamara.....	Extraman.....	24	Plumber.....	Engine House.....
8	J. Lyons.....	Extraman.....	23	Brickmason.....	Engine House.....
9	Charles Carr.....	Extraman.....	27	Locomotive Fireman.....	Engine House.....
10	C. May.....	Extraman.....	24	Painter.....	Engine House.....
11	H. Bolton.....	Extraman.....	28	Law Student.....	Engine House.....
12	George Herrall.....	Extraman.....	35	Engineer.....	Engine House.....

Number of alarms responded to: Bell, 59. Telephone, 14. Still, 4. Number of hours in service, 53:20.

Inventory—1 second class Clapp & Jones' engine and heater; 1 2-horse hose wagon; 2,000 feet cotton hose; 4 horses and harness.

ANNUAL REPORT OF ENGINE COMPANY NO. 3, FOR 1897.

LOCATION—510 Washington Street.

No. of Badge	Name	Position	Age	Occupation	Residence
23	L. Cone.....	Foreman.....	40	Molder.....	Engine House.....
24	William Wascher....	Engineer.....	64	Engineer.....	Engine House.....
25	J. Frainey.....	Engine Driver.....	38	Teamster.....	Engine House.....
26	J. Hannan.....	Hose Driver.....	30	Teamster.....	Engine House.....
18	G. Connolly.....	Extraman.....	31	Plumber.....	No. 472 Burnside Street...
21	L. Favero.....	Extraman.....	56	Laborer.....	Engine House.....
34	D. Mulcahy.....	Extraman.....	41	Laborer.....	Engine House.....
28	E. Harper.....	Extraman.....	30	Roofer.....	No. 512½ Washington...
27	H. Wolfkin.....	Extraman.....	35	Engineer.....	No. 104 North Eleventh..
30	B. Schulte.....	Extraman.....	38	Butcher.....	Engine House.....

Number of alarms responded to: Bell, 72. Telephone, 1. Still, 5. Number of hours in service, 63:00.

Inventory—1 fourth class Silsby engine, good condition; 1 first class Silsby engine, good condition, with heater; 1 2-wheel hose cart; 700 feet rubber hose and 200 feet cotton hose; 3 horses and harness.



ANNUAL REPORT OF ENGINE COMPANY NO. 4, FOR 1897.

LOCATION—Fourth Street, between Mill and Montgomery.

No. of Badge	Name	Position	Age	Occupation	Residence
33	J. A. Ryan.....	Foreman.....	32	Collector.....	Engine House.....
34	H. W. Kretzer.....	Engineer.....	36	Engineer.....	Engine House.....
35	W. L. Keller.....	Engine Driver.....	38	Butcher.....	Engine House.....
36	George Huffman.....	Hose Driver.....	43	Teamster.....	Engine House.....
37	William Scheeland...	Extraman.....	32	Salesman.....	Engine House.....
38	J. Cromie.....	Extraman.....	29	Teamster.....	Engine House.....
39	F. Bourgeois.....	Extraman.....	28	Bookkeeper.....	Engine House.....
40	H. Weise.....	Extraman.....	29	Plumber.....	Engine House.....
41	E. Muhler.....	Extraman.....	27	Plumber.....	Engine House.....
42	E. McPherson.....	Extraman.....	31	Salesman.....	Engine House.....

Number of alarms responded to: Bell, 74. Still, 7. Telephone, 5. Number of hours in service, 73:10.

Inventory—1 third class Clapp & Jones' engine; 1 4-wheel hose wagon; 1,800 feet cotton hose; 3 horses and harness.

ANNUAL REPORT OF ENGINE COMPANY NO. 5, FOR 1897.

LOCATION—811 Front Street.

No. of Badge	Name	Position	Age	Occupation	Residence
79	A. C. Cooke.....	Foreman.....	36	Upholsterer.....	No. 181 Gibbs Street.....
80	P. Griffin.....	Engineer.....	44	Engineer.....	Engine House.....
81	J. T. Schneider.....	Engine Driver.....	25	Teamster.....	Engine House.....
82	C. A. Chamberlain...	Hose Driver.....	42	Teamster.....	Engine House.....
83	J. K. Carr.....	Extraman.....	31	Lather.....	Engine House.....
84	R. J. Jones.....	Extraman.....	42	Carpet Cleaner.....	No. 825 First Street.....
85	James McCullough...	Extraman.....	31	Boilermaker.....	No. 201 Gibbs Street.....
86	E. Bruckert.....	Extraman.....	29	Teamster.....	Engine House.....
87	C. H. Carter.....	Extraman.....	26	Brickmason.....	Engine House.....
88	John Baker.....	Extraman.....	22	Carpenter.....	Engine House.....

Number of alarms responded to: Bell, 26. Still, 8. Number of hours in service, 56:00.

Inventory—1 fourth class Amoskeag engine; 1 4-wheel hose wagon; 800 feet rubber hose; 4 horses and equipment.

ANNUAL REPORT OF ENGINE COMPANY NO. 7, FOR 1897.

LOCATION—40 East Third Street.

No. of Badge	Name	Position	Age	Occupation	Residence
109	H. R. Linville.....	Foreman.....	28	Tinner.....	Engine House.....
110	H. Crissman.....	Engineer.....	36	Engineer.....	Engine House.....
111	W. Siefarth.....	Engine Driver.....	36	Teamster.....	Engine House.....
112	C. Lawrence.....	Hose Driver.....	46	Teamster.....	Engine House.....
113	F. Robinson.....	Extraman.....	32	Machinist.....	Engine House.....
115	W. Daly.....	Extraman.....	57	Carpenter.....	Engine House.....
117	A. Metcalf.....	Extraman.....	37	Expressman.....	Engine House.....
118	G. Matthews.....	Extraman.....	47	Carpenter.....	Engine House.....
17	P. Foline.....	Extraman.....	34	Shoemaker.....	Engine House.....
139	E. Carse.....	Extraman.....	28	Expressman.....	Engine House.....

Number of alarms responded to: Bell, 30. Still, 13. Number of hours in service, 24:35.

Inventory—1 fourth class Watron's engine and heater, complete; 1 hose wagon; 2,000 feet cotton hose; 1 third class Hayes' truck, partially equipped; 1 third class Amoskeag engine, in good order.

ANNUAL REPORT OF ENGINE COMPANY NO. 8, FOR 1897.

LOCATION—Williams Avenue and Russell Street.

No. of Badge	Name	Position	Age	Occupation	Residence
119	J. J. Kearns.....	Foreman.....	37	Shoemaker.....	Stanton Street.....
120	J. J. Ryan.....	Engineer.....	52	Boilermaker.....	Engine House.....
121	P. Wiser.....	Engine Driver.....	43	Carpenter.....	Engine House.....
122	H. St. Clair.....	Hose Driver.....	32	Pressman.....	Engine House.....
123	H. Schade.....	Extraman.....	27	Plumber.....	Engine House.....
124	E. Fitzgibbons.....	Extraman.....	29	Machinist.....	Engine House.....
125	C. Estes.....	Extraman.....	27	Clerk.....	Engine House.....
126	E. Pietzker.....	Extraman.....	29	Molder.....	Engine House.....
127	W. Massman.....	Extraman.....	25	Molder.....	Engine House.....
128	J. Edmonston.....	Extraman.....	42	Carpenter.....	Engine House.....

Number of alarms responded to: Bell, 10. Telephone, 3. Still, 7. Number of hours in service, 24:35.

Inventory—1 third class Clapp & Jones' engine; 1 second class Amoskeag engine, in good condition, and 1 Silsby heater; 1 4-wheel hose wagon; 1,000 feet rubber hose; 4 horses and harness.

ANNUAL REPORT OF ENGINE COMPANY NO. 9, FOR 1897.

(Organized September 27, 1897.)

LOCATION—170 Fourth Street.

No. of Badge	Name	Position	Age	Occupation	Residence
3	Charles Dobelbower..	Foreman.....	42	Carpenter.....	Engine House.....
4	C. O'Brien.....	Engine.....	50	Engine.....	Engine House.....
5	J. V. Yane.....	Engine Driver.....	29	Teamster.....	Engine House.....
6	A. H. Mundorf.....	Hose Driver.....	24	Teamster.....	Engine House.....
7	F. McNamara.....	Extraman.....	24	Plumber.....	Engine House.....
8	C. May.....	Extraman.....	24	Painter.....	Engine House.....
9	William O'Brien.....	Extraman.....	22	Butcher.....	Engine House.....
10	H. Bolton.....	Extraman.....	28	Law Student.....	Engine House.....
11	George Herrall.....	Extraman.....	35	Engineer.....	Engine House.....
12	J. L. Carroll.....	Extraman.....	41	Engineer.....	Engine House.....

Number of alarms responded to: Bell, 22. Telephone, 9. Still, 3.

Inventory—1 second class Clapp & Jones' engine, and heater; 1 2-horse hose wagon; 2,000 feet cotton hose; 4 horses and harness.

ANNUAL REPORT OF TRUCK COMPANY NO. 1, FOR 1897.

LOCATION—168 Fourth Street.

(Disbanded September 27, 1897.)

No. of Badge	Name	Position	Age	Occupation	Residence
43	J. P. White.....	Foreman.....	31	Lineman.....	No. 166½ Fourth Street..
43	D. B. Fuller.....	Driver.....	36	Teamster.....	No. 166½ Fourth Street..
45	M. P. Quinn.....	Extraman.....	37	Painter.....	Truck House.....
46	J. Hyde.....	Extraman.....	22	Teamster.....	Truck House.....
47	H. Youngferdorf.....	Extraman.....	27	Carpenter.....	Truck House.....
48	H. Hyde.....	Extraman.....	24	Teamster.....	Truck House.....
49	C. Graff.....	Extraman.....	31	Tinner.....	Truck House.....
50	A. Clift.....	Extraman.....	65	Lather.....	Truck House.....
51	W. Herman.....	Extraman.....	30	Teamster.....	Truck House.....
52	A. Monk.....	Extraman.....	31	Bookkeeper.....	Truck House.....

Number of alarms responded to: Bell, 99. Still, 5. Telephone, 15. Automatic, 3. Number of hours in service, 41:30.

Inventory—1 first class Hayes' truck, fully equipped; 3 horses and harness, complete.

ANNUAL REPORT OF TRUCK COMPANY NO. 2, FOR 1897.

LOCATION—Fourth Street, between Montgomery and Mill.

No. of Badge	Name	Position	Age	Occupation	Residence
69	A. Nisonger.....	Foreman.....	40	Planerman.....	Truck House.....
70	O. Hussey.....	Driver.....	43	Teamster.....	Truck House.....
71	J. Barrett.....	Extraman.....	42	Stonemason.....	Truck House.....
72	P. Neimes.....	Extraman.....	32	Teamster.....	Truck House.....
73	C. W. Ryan.....	Extraman.....	37	Cabinet Maker.....	Truck House.....
74	J. O'Connors.....	Extraman.....	31	Teamster.....	Truck House.....
75	H. H. Morse.....	Extraman.....	31	Teamster.....	Truck House.....
76	J. Fraser.....	Extraman.....	28	Teamster.....	Truck House.....
77	M. Thornton.....	Extraman.....	28	Electrician.....	Truck House.....
78	A. Saltenberger.....	Extraman.....	35	Engineer.....	Truck House.....

Number of alarms responded to: Bell, 60. Telephone, 9. Still, 3. Number of hours in service, 61:05.

Inventory—1 second class Hayes' extension truck, fully equipped; 3 horses and harness.

ANNUAL REPORT HOOK AND LADDER COMPANY NO. 3, FOR 1897.

LOCATION—Glisan Street, between Fourteenth and Fifteenth.

No. of Badge	Name	Position	Age	Occupation	Residence
99	L. Maloney.....	Foreman.....	45	Millhand.....	Truck House.....
100	T. J. Mountain.....	Driver.....	42	Teamster.....	Truck House.....
101	Thomas Fisher.....	Extraman.....	40	Iron Molder.....	Sixth and Alder Streets..
102	P. W. Taggart.....	Extraman.....	50	Carpenter.....	Fifteenth and Glisan....
103	H. McClincy.....	Extraman.....	28	Brickmason.....	Truck House.....
104	J. Dillane.....	Extraman.....	25	Plumber.....	Truck House.....
105	I. Dennery.....	Extraman.....	43	Teamster.....	Truck House.....
106	D. Reardon.....	Extraman.....	26	Metal Worker.....	Truck House.....
107	Joseph Kenneally.....	Extraman.....	51	Lawyer.....	Truck House.....
108	R. Cullins.....	Extraman.....	37	Electrician.....	Truck House.....

Number of alarms responded to: Bell, 53. Still, 10. Telephone, 11. Number of hours in service, 63:50.

Inventory—1 third class Hayes' truck, fully equipped; 2 horses and harness.

ANNUAL REPORT OF TRUCK COMPANY NO. 4, FOR 1897.

LOCATION—Holladay Avenue, between Union and Grand Avenues.

No. of Badge	Name	Position	Age	Occupation	Residence
145	E. Cavanaugh.....	Foreman.....	28	Roofer.....	Truck House.....
146	J. Donagh.....	Driver.....	28	Teamster.....	Truck House.....
147	J. Doyle.....	Extraman.....	28	Teamster.....	Truck House.....
149	W. Flynn.....	Extraman.....	45	Bookkeeper.....	Truck House.....
150	R. Gee.....	Extraman.....	35	Carpenter.....	Truck House.....
152	H. Donnerberg.....	Extraman.....	31	Plumber.....	Truck House.....
153	G. Krupke.....	Extraman.....	25	Pressman.....	Truck House.....
154	M. Johnson.....	Extraman.....	39	Butcher.....	Truck House.....
155	R. Ralston.....	Extraman.....	26	Plumber.....	Truck House.....
164	J. Parrott.....	Extraman.....	24	Clerk.....	Truck House.....

Number of alarms responded to: Bell, 35. Telephone, 9. Still, 5. Number of hours in service, 55:10.

Inventory—1 third class Hayes' truck, fully equipped; 3 horses and harness.

ANNUAL REPORT OF TRUCK COMPANY NO. 5, FOR 1897.

LOCATION—168 Fourth Street.

(Organized September 27, 1897.)

No. of Badge	Name	Position	Age	Occupation	Residence
43	J. P. White.....	Foreman.....	31	Lineman.....	No. 166½ Fourth Street..
44	D. B. Fuller.....	Driver.....	36	Teamster.....	No. 166½ Fourth Street..
45	M. P. Quinn.....	Extraman.....	37	Painter.....	Truck House.....
46	J. Hyde.....	Extraman.....	22	Teamster.....	Truck House.....
47	H. Youngferdorf.....	Extraman.....	27	Carpenter.....	Truck House.....
48	H. Hyde.....	Extraman.....	24	Teamster.....	Truck House.....
49	C. Graff.....	Extraman.....	31	Tinner.....	Truck House.....
50	A. Cliff.....	Extraman.....	35	Lather.....	Truck House.....
51	W. Herman.....	Extraman.....	30	Teamster.....	Truck House.....
52	A. Monk.....	Extraman.....	31	Bookkeeper.....	Truck House.....

Number of alarms responded to: Bell, 32. Still, 4. Telephone, 7. Number of hours in service, 10:00.

ANNUAL REPORT OF HOSE COMPANY NO. 1, FOR 1897.

LOCATION—245 Everett Street.

No. of Badge	Name	Position	Age	Occupation	Residence
53	Harry White.....	Foreman.....	35	Fireman.....	Hose House.....
54	John Kearney.....	Driver.....	48	Fireman.....	Hose House.....
55	M. O'Brien.....	Extraman.....	24	Teamster.....	Hose House.....
56	M. McNulty.....	Extraman.....	35	Plasterer.....	Hose House.....
57	F. Dascomb.....	Extraman.....	33	Steamfitter.....	Hose House.....
58	F. Rose.....	Extraman.....	27	Ship Liner.....	Hose House.....
59	M. Malarkey.....	Extraman.....	47	Toolmaker.....	Hose House.....
60	T. O'Day.....	Extraman.....	28	Molder.....	Hose House.....

Number of alarms responded to: Bell, 123. Still, 10. Telephone, 3. Number of hours in service, 124:15.

Inventory—1 4-wheel hose wagon; 900 feet rubber hose; 2 horses and harness.

ANNUAL REPORT OF HOSE COMPANY NO. 2, FOR 1897.

LOCATION—First Street, between Main and Madison.

No. of Badge	Name	Position	Age	Occupation	Residence
61	W. R. Kerrigan.....	Foreman.....	34	Stonemason.....	Hose House.....
62	J. W. Smith.....	Driver.....	38	Teamster.....	Hose House.....
63	William Stevens.....	Extraman.....	33	Painter.....	Hose House.....
64	Thomas Collins.....	Extraman.....	32	Carpenter.....	Hose House.....
65	A. Nawratil.....	Extraman.....	26	Undertaker.....	Hose House.....
66	J. Griffin.....	Extraman.....	27	Teamster.....	Hose House.....
67	O. McCarron.....	Extraman.....	47	Shoemaker.....	Hose House.....
68	J. B. McDevitt.....	Extraman.....	22	Lineman.....	Hose House.....

Number of alarms responded to: Bell, 73. Telephone, 12. Still, 14. Number of hours in service, 90:30.

Inventory—1 4-wheel hose wagon; 1,900 feet cotton hose; 2 horses and harness.

ANNUAL REPORT OF HOSE COMPANY NO. 3, FOR 1897.

LOCATION—East Seventh Street, between Harrison and Stephens.

No. of Badge	Name	Position	Age	Occupation	Residence
129	Ed. Oliver.....	Foreman.....	31	Fireman.....	Hose House.....
130	T. McHale.....	Driver.....	23	Teamster.....	Hose House.....
134	L. J. Gardner.....	Extraman.....	31	Trimmer.....	No. 363 East Seventh.....
135	E. Krinnick.....	Extraman.....	21	Clerk.....	Hose House.....
136	J. Dorney.....	Extraman.....	34	Stonemason.....	Hose House.....
147	D. Oller.....	Extraman.....	28	Butcher.....	East Ninth and Sherman.....
161	J. J. Murphy.....	Extraman.....	40	Engineer.....	East 11th and Stephens... ..
133	Otto Peck.....	Extraman.....	50	Plumber.....	Hose House.....

Number of alarms responded to: Bell, 26. Telephone, 2. Still, 6. Number of hours in service, 20:35.

Inventory—1 Amoskeag hose carriage, fully equipped; 1,300 feet cotton hose; 2 Babcocks; 2 horses and harness.

ANNUAL REPORT OF HOSE COMPANY NO. 5, FOR 1897.

LOCATION—Corner East Thirty-fifth and Belmont.

No. of Badge	Name	Position	Age	Occupation	Residence
131	Charles Straus.....	Driver.....	29	Teamster.....	Hose House.....
114	F. J. Haettinger.....	Foreman.....	28	Brushmaker.....	Hose House.....

Number of alarms responded to: Bell, 2. Still, 3. Number of hours in service, 3:10.

ANNUAL REPORT OF HOSE COMPANY NO. 6, FOR 1897.

LOCATION—Twentieth Street, between Quimby and Raleigh.

No. of Badge	Name	Position	Age	Occupation	Residence
89	Joseph Meagher.....	Foreman.....	66	Cabinet Maker.....	Engine House.....
90	Thomas Sherlock....	Driver.....	24	Teamster.....	Engine House.....
91	J. J. Gotthardt.....	Extramán.....	38	Engineer.....	Engine House.....
93	Roy Leigh.....	Extramán.....	21	Draughtsman.....	Engine House.....
94	Charles Whittlesey..	Extramán.....	23	Clerk.....	Engine House.....
97	J. E. Jones.....	Extramán.....	27	Glazier.....	Engine House.....
98	Theo. Habekost.....	Extramán.....	35	Florist.....	Engine House.....
143	Harry Smith.....	Extramán.....	36	Bricklayer.....	Engine House.....

Number of alarms responded to: Bell, 19. Still, 9. Number of hours in service, 43:15.

Inventory—1 4-wheel hose wagon; 1,600 feet cotton hose; 3 horses and harness.

ANNUAL REPORT OF CHEMICAL ENGINE COMPANY NO. 1, FOR 1897.

LOCATION—Second Street, between Oak and Pine.

No. of Badge	Name	Position	Age	Occupation	Residence
150	P. Manciet.....	Foreman.....	34	Tinsmith.....	Engine House.....
151	J. O'Day.....	Driver.....	24	Butcher.....	Engine House.....
152	D. Evans.....	Pipeman.....	23	Porter.....	Engine House.....

Number of alarms responded to: Bell, 63. Telephone, 14. Still, 11. Number of hours in service, 56:25.

Inventory—1 No. 3½ Champion chemical, double, 60-gallon tank, fully equipped; 2 horses and harness.



ANNUAL REPORT OF CHEMICAL ENGINE COMPANY NO. 2, FOR 1897.

LOCATION—273 First Street.

No. of Badge	Name	Position	Age	Occupation	Residence
153	C. Evans.....	Foreman.....	26	Painter.....	Engine House.....
154	L. Cohen.....	Driver.....	47	Teamster.....	Engine House.....
155	B. Hohenleitner.....	Pipeman.....	26	Brakeman.....	Engine House.....

Number of alarms responded to: Bell, 56. Still and telephone, 22. Number of hours in service, 41:00.

Inventory—1 double, 60-gallon tank Champion chemical engine, fully equipped; 2 horses and harness.

ANNUAL REPORT OF CHEMICAL ENGINE COMPANY NO. 3, FOR 1897.

LOCATION—227 Union Avenue, North.

No. of Badge	Name	Position	Age	Occupation	Residence
146	M. D. George.....	Foreman.....	35	Blacksmith.....	Engine House.....
148	J. Freeman.....	Driver.....	26	Teamster.....	Engine House.....
149	J. Barry.....	Pipeman.....	38	Laborer.....	Engine House.....

Number of alarms responded to: Bell, 24. Telephone, 6. Still, 3. Number of hours in service, 33:45.

Inventory—1 chemical engine, complete; 2 horses and harness.

## CORPORATION YARD KEEPER'S REPORT.

H. GURR, Assistant Chief Engineer,  
Corporation Yard Keeper.

## INVENTORY OF CORPORATION SHED, DECEMBER 31, 1897.

## LOCATION—Twentieth and Quimby Streets.

Four iron doors; 6 cedar doors; 2 Silsby engines, worthless; 1 Silsby engine, fair condition; 4 hose wagon and 2 engine wheels, and 2 hose cart wheels, fair condition; 5 engine springs, bad; 1 set of ladder carriers for hose wagon; 1 cellar nozzle; 13 horse collars; 40 feet old suction hose; wagon; 8 bunches shingles; 3 harness hangers; 1 truck pole; 1 hand engine pole; 6 old fire plugs; 4 old stoves; 500 pounds of old iron; 2 manhole covers; 150 feet of wire cable; 15 bundles old fire alarm wire; 1 heater and boiler, worthless; 2 buggy springs; 2 neck-yokes; 1 pair shafts, bad; 3 terra cotta pipes; 1 pair doubletrees; 1 life bag; 13 new hydrants; 8 4x4 sleeves; 16 6x4 sleeves; 4 8x4 sleeves; 1 10x4 sleeve; 29 gates for same; 5 4-inch gates for thread pipe; 300 pounds pig lead; 5 caps for street boxes; 12 wheels for gate valves.

## FIRE HYDRANTS.

## North of Morrison Street.

Front and Pettygrove, S W cor	Seventh and Flanders, N W cor
Front and Quimby, S W cor	Seventh and Hoyt, N W cor
Front and Raleigh, S W cor	Seventh and Johnson, N W cor
Front and Savier, S W cor	East Park and Alder, N E cor
Front and Thurman, S W cor	*West Park and Washington, S W
First and Burnside, S E cor	cor
First and Upshur, N W cor	Park and Burnside, S W cor
Second and Davis, S W cor	Park and Davis, S W cor
Second and Oak, N W cor	Park and Glisan, N E cor
Third and Alder, N W cor	Tenth and Alder, S W cor
Third and Stark, S W cor	Tenth and Morrison, N W cor
Third and Pine, S W cor	Tenth and Johnson, N E cor
*Third and Ankeny, N W cor	Eleventh and Stark, S E cor
*Third and Burnside, S W cor	Eleventh and Burnside, N W cor
*Third and Couch, S W cor	Eleventh and Everett, S E cor
*Third and Davis, S W cor	Eleventh and Flanders, N W cor
*Third and Everett, S W cor	Twelfth and Davis, S E cor
Third and Oak, S E cor	Twelfth and Glisan, S E cor
*Third and Flanders, S W cor	Twelfth and Lovejoy, S E cor
Fourth and Washington, N E cor	Twelfth and Northrup, S E cor
Fourth and Alder, S E cor	Fourteenth and Alder, S W cor
Fourth and Davis, S W cor	Fourteenth and Washington, N W
Fourth and Everett, N E cor	Fourteenth and Savier, S W cor
Fourth and Glisan, N W cor	Thirteenth and Flanders, N E cor
Fifth and Washington, N E cor	Thirteenth and Kearney, N E cor
Fifth and Oak, N E cor	Fourteenth and Davis, S W cor
Fifth and Ankeny, S E cor	Fourteenth and Johnson, S W cor
Fifth and Couch, S E cor	Fourteenth and Overton, S W cor
Fifth and Hoyt, S E cor	Fourteenth and Quimby, S W cor
Fifth and Flanders, N E cor	Fifteenth and Flanders, S W cor
*Sixth and Alder, N E cor	Fifteenth and Thurman, S W cor
Sixth and Stark, S W cor	Sixteenth and Washington, S E cor
Sixth and Pine, S W cor	Sixteenth and Hoyt, N W cor
Sixth and Couch, N W cor	Sixteenth and Kearney, S W cor
Sixth and Glisan, N W cor	Sixteenth and Northrup, S W cor
*Sixth and Irving, N W cor	Sixteenth and Pettygrove, N W cor
Seventh and Davis, S E cor	Sixteenth and Savier, N W cor
Seventh and Wilson, N W cor	Seventeenth and Flanders, N W
Seventeenth and Marshall, N W	cor
cor	Twenty-second and Northrup, S E
*New hydrants.	cor

## FIRE HYDRANTS—Continued.

## North of Morrison Street.

Seventeenth and Upshur, N W cor	Twenty-second and Pettygrove, S E cor
Seventeenth and Davis, S W cor	Twenty-second and Savier, S E cor
Eighteenth and Everett, N W cor	Twenty-second and Thurman, S E cor
Eighteenth and Irving, N W cor	Twenty-second and Upshur, N E cor
Eighteenth and Quimby, N E cor	Twenty-second and Wilson, N E cor
Eighteenth and Overton, N E cor	Twenty-second and York, N E cor
Eighteenth and Kearney, N W cor	Twenty-second and Nicolai, N E cor
Eighteenth and Savier, S E cor	*Twenty-third and Washington, N E cor
Nineteenth and Burnside, S E cor	Twenty-third and Flanders, S E cor
Nineteenth and Davis, S E cor	Twenty-third and Glisan, S E cor
Nineteenth and Flanders, S E cor	Twenty-third and Hoyt, S E cor
Nineteenth and Hoyt, S E cor	Twenty-third and Johnson, N E cor
Nineteenth and Johnson, S E cor	Twenty-third and Lovejoy, N E cor
Nineteenth and Irving, S E cor	Twenty-third and Northrup, N W cor
Nineteenth and Lovejoy, S E cor	Twenty-third and Quimby, N W cor
Nineteenth and Northrup, S E cor	Twenty-third and Savier, N W cor
Nineteenth and Pettygrove, S E cor	Twenty-fourth and Washington, N W cor
Nineteenth and Raleigh, S E cor	Twenty-fourth and Flanders, N E cor
Nineteenth and Thurman, N E cor	Twenty-fourth and Johnson, N E cor
Nineteenth and Upshur, N E cor	Twenty-fourth and Kearney, S W cor
Nineteenth and Wilson, N E 100 feet	Twenty-fourth and Lovejoy, N W cor
Twentieth and Washington, N E cor	Twenty-fourth and Northrup, N W cor
Twentieth and Everett, S E cor	Twenty-fourth and Pettygrove, N W cor
Twentieth and Irving, S E cor	
Twentieth and Kearney, S E cor	
Twentieth and Marshall	
Twentieth and Quimby, N W cor	
Twentieth and Thurman, N W cor	
Twenty-first and Hoyt, S E cor	
Twenty-first and Johnson, S E cor	
Twenty-first and Quimby, N E cor	
Twenty-first and Savier, N E cor	
Twenty-first and Northrup, N W cor	

\*New hydrants.

## FIRE HYDRANTS—Continued.

## North of Morrison Street.

Twenty-fourth and Savier, N E cor	Twenty-second and Lovejoy, S E cor
*Twenty-fifth and Hoyt, St. Vincent Hospital	Twenty-sixth and Savier, N E cor
Twenty-fifth and Savier, N E cor	Twenty-seventh and Savier, N E cor
Twenty-first and Flanders, S E cor	Twenty-seventh and Thurman, N E cor
Twenty-second and Washington, N E cor	Twenty-ninth and Raleigh, N W cor
Twenty-second and Everett, S E cor	King and Wayne, S W cor
Twenty-second and Glisan, S E cor	St. Clare and Wayne, S W cor
Twenty-second and Irving, S E cor	*Thirty-fourth and Franklin, N W cor

North Pacific Mill Yard, 8 hydrants.

Total number of hydrants north of Morrison street, 157.

\*New hydrants.

## South of Morrison Street.

Front and Lincoln, N W cor	Third and Market, S W cor
Front and Caruthers, S W cor	Third and Sheridan, N E cor
Front and Porter, N W cor	Third and Hooker, N E cor
Front and Gibbs, N E cor	Fourth, bet. Morrison and Yamhill
Front and Curry, N E cor	Sixth and Clay, N E cor
Front and Meade, S E cor	Sixth and Harrison, S W cor
Front and Hamilton, S E cor	Sixth and Sherman, S E cor
*Front and Lowell	Sixth and Sheridan, N E cor
First and Grant, S E cor	Seventh and Morrison, S W cor
First and Sheridan, S E cor	Seventh and Market, S E cor
First and Hooker, S E cor	Seventh and Montgomery, N E cor
First and Woods, S E cor	Seventh and Jackson, S E cor
First and Whittaker, S E cor	Seventh and Lincoln, N E cor
First and Pennoyer, S E cor	Seventh and Grant, N E cor
Second and Porter, N E cor	West Park and Morrison, N W cor
Second and Lincoln, N W cor	West Park and Yamhill, S E cor
*Third and Yamhill, S W cor	*West Park and Salmon, N W cor
*Third and Salmon, S W cor	*West Park and Jefferson, N W cor
*Third and Madison, S W cor	
Third and Clay, N W cor	

\*New hydrants.

## FIRE HYDRANTS—Continued.

## South of Morrison Street.

West Park and Clay, N W cor	Chapman and Mill, N E cor
West Park and Mill, S W cor	Stout and Main, S W cor
West Park and Harrison, S W cor	Stout and Jefferson, N W cor
West Park and College, S W cor	King and Park, S W cor
Tenth and Salmon, N W cor	St. Clair and Park ave., N E cor
Tenth and Yamhill, S W cor	Ford and Main, N E cor
Eleventh and Salmon, N W cor	Macadam and Gaines, N W cor
Twelfth and Jefferson, N W cor	Macadam and Bancroft, S E cor
Thirteenth and Salmon, N W cor	Macadam and Lowell ave., N E
Thirteenth and Columbia, S E cor	cor
Fourth and Salmon, N E cor	Thirteenth and Montgomery, N W
*Fourth and Madison, S E cor	cor
Fourth and Jefferson, N W cor	Fourteenth and Morrison, S W cor
Fourth and Harrison, N W cor	Fourteenth and Taylor, N W cor
Fourth and Lincoln, N W cor	Fourteenth and Main, S W cor
Fourth and Sheridan, N W 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 Mill, N W cor
Fifth and Jefferson, S E cor	Fifteenth and Columbia, N W cor
Fifth and Columbia, S E cor	Fifteenth and Clay, N W cor
Fifth and Grant, S W cor	Fifteenth and Market, N W cor
Sixth and Yamhill, S E cor	Macadam and Florida
Sixteenth and Taylor, S E cor	Macadam and Texas
Sixteenth and Montgomery, N E	Macadam road, bet. Texas and City
cor	Limits, 9 hydrants
Sixteenth and Elizabeth, N E cor	Corbett and Porter, N W cor
*Seventeenth and Jefferson, S E	Corbett and Gibbs, S E cor
cor	Corbett and Curry, S E cor
Seventeenth and Clay, N E cor	Corbett and Gaines, S E cor
Twentieth and Spring, N E cor	Corbett and Abernathy, S E cor
Twentieth and Market Street Drive	Corbett and Hamilton ave., S E
Twentieth and Laurel, N W cor	cor
Twentieth and Jackson, S W cor	Corbett and Lowell ave., S E cor
Chapman and Morrison, S E cor	Hood and Hall, N E cor
Chapman and Taylor, N E cor	Hood and Lincoln, N W cor
Chapman and Main, N W cor	Hood and Caruthers, S W cor
*Chapman and Madison, N W cor	*Hood and Baker, N E cor
cor	Hood and Meade, S W cor
Chapman and Myrtle, S W cor	Hood and Grover, S E cor
Chapman and Elizabeth, S W cor	Hood and Whittaker, S E cor

\*New hydrants.

## FIRE HYDRANTS—Continued.

## South of Morrison Street.

Hood and Pennoyer, S E cor	Water and Harrison, N E cor
Water and Columbia, S W cor	Water and Grover, S W cor
Water and Clay, S W cor	Water and Hooker, S W cor
Water and Mill, N E cor	Macadam and Hamilton ave., N
Water and Montgomery, N E cor	E cor
Smith's Saw Mill, 2 hydrants.	
Pennoyer's Saw Mill, 2 hydrants.	
Total number of hydrants south of Morrison street, 129.	

## East Side.

Water and East Clay, S E cor	Union ave. and East Glisan, N E
Water and Hawthorne ave., S W	cor
cor	Union ave. and East Oregon, N E
First and East Clay, S E cor	cor
First and East Morrison, N W cor	Union ave. and Holladay ave., N E
First and East Washington, S W	cor
cor	Union ave. and Multnomah, S E
First and East Oak, S W cor	cor
First and Holladay ave., S E cor	Union ave. and Weidler, S E cor
Second and Halsey, N E cor	Union ave. and Tillamook, S W
Second and Multnomah, S E cor	cor
Third and East Mill, N E cor	Union ave. and Sacramento, S W
Union ave. and Ivon, N E cor	cor
Union ave. and Caruthers, S W cor	Union ave. and Russell, S W cor
Union ave. and East Clay, S E cor	Union ave. and Morris, S W cor
*Union ave. and East Morrison, N	Union ave. and Stanton, S W cor
E cor	Union ave. and Ainsworth, S W
*Union ave. and East Alder, N E	cor
cor	Union ave. and Jarrett, N W cor
Union ave. and East Washington,	Union ave. and Pearl, N W cor
S E cor	Union ave. and Killingsworth, N
Union ave. and East Oak, S E cor	W cor
Union ave. and East Pine, N E cor	*Union ave. and Going, S W cor
Union ave. and East Ankeny, N E	Fifth and East Yamhill, S E cor
cor	Fifth and East Morrison, S E cor
Union ave. and East Couch, S E	Fifth and East Washington, S E
cor	cor
Union ave. and East Davis, N E	Fifth and Broadway, S W cor
cor	Fifth and Taggart, N E cor

\*New hydrants.

## FIRE HYDRANTS—Continued.

## East Side.

Fifth and East Lincoln, N E cor  
 Fifth and Stephens, S W cor  
 Fifth and East Clay, N E cor  
 Fifth and East Salmon, S E cor  
 Sixth and Belmont, S W cor  
 Sixth and East Oak, N E cor  
 Sixth and East Pine, S W cor  
 Sixth and East Ankeny, S E cor  
 Sixth and Clackamas, N E cor  
 \*Sixth and Beach, N W cor.  
 Seventh and East Grant, S E cor  
 Seventh and East Harrison, S E cor  
 Seventh and East Mill, N E cor  
 Seventh and East Clay, S E cor  
 Seventh and East Morrison, S W cor  
 Seventh and Multnomah, S W cor  
 \*Seventh and Tillamook, N E cor  
 Eighth and Brooklyn, N W cor  
 Eighth and East Sherman, N E cor  
 Eighth and East Lincoln, S E cor  
 Eighth and Stephens, S W cor  
 Eighth and East Morrison, S W cor  
 Eighth and East Pine, S E cor  
 Eighth and East Burnside, S E cor  
 Eighth and Broadway, S W cor  
 Eighth and Ainsworth, S E cor  
 Ninth and East Sherman, S W cor  
 Ninth and East Clay, S W cor  
 Ninth and Belmont, S W cor  
 Ninth and East Washington, S W cor  
 Ninth and East Davis, S W cor  
 Ninth and Holladay ave., S E cor  
 Ninth and Multnomah, S W cor  
 Tenth and East Caruthers, S W cor  
 Tenth and East Market, S E cor  
 Tenth and East Oak, S W cor  
 \*Tenth and East Ankeny, S E cor  
 Eleventh and Stephens, S E cor  
 Eleventh and East Clay, S E cor  
 Eleventh and East Sherman, S E cor  
 Eleventh and East Lincoln, S E cor  
 Twelfth and Belmont, S W cor  
 Twelfth and East Morrison, S E cor  
 Twelfth and East Washington, S W cor  
 Twelfth and East Oak, S E cor  
 Twelfth and East Pine, S E cor  
 Twelfth and East Ankeny, S E cor  
 Twelfth and East Couch, S E cor  
 Twelfth and East Davis, S W cor  
 Twelfth and Broadway, S W cor  
 \*Twelfth and Tillamook, N E cor  
 Thirteenth and Powell, S W cor  
 Thirteenth and Carroll, S W cor  
 Fourteenth and Rhein, S E cor  
 Fourteenth and Belmont, S W cor  
 Fourteenth and East Pine, S W cor  
 Fifteenth and Clinton, S E cor  
 Fifteenth and Broadway, S W cor  
 \*Fifteenth and Tillamook, N E cor  
 Sixteenth and East Main, S E cor  
 Sixteenth and East Morrison, S W cor  
 Sixteenth and East Ankeny, S E cor  
 \*Sixteenth and East Davis, S E cor  
 Eighteenth and Powell, N W cor  
 Eighteenth and Clinton, S W cor  
 Nineteenth and East Stark, N E cor

\*New hydrants.

## FIRE HYDRANTS—Continued.

## East Side.

Nineteenth and East Oregon, N E cor  
 Nineteenth and East Main, S E cor  
 \*Nineteenth and Tillamook, N E cor  
 Twentieth and East Morrison, N W cor  
 Twentieth and East Irving, S W cor  
 Twenty-first and East Bush, N E cor  
 Twenty-first and East Powell, S E cor  
 Twenty-first and East Bacon, S W cor  
 Twenty-first and Brooklyn, S E cor  
 Twenty-first and Broadway, S E cor  
 Twenty-second and East Taylor, N E cor  
 Twenty-second and East Stark, S E cor  
 Twenty-second and East Ankeny, S E cor  
 Twenty-fifth and Division, S E cor  
 Twenty-sixth and East Stark, S E cor  
 Twenty-sixth and Powell, N E cor  
 Twenty-sixth and East Ankeny, S W cor  
 Twenty-eighth and Broadway, S W cor  
 Thirtieth and East Stark, S E cor  
 Thirtieth and East Ankeny, S W cor  
 Thirty-first and East Taylor, N E cor  
 Thirty-first and East Pine, N E cor  
 Thirty-second and East Belmont, N E cor  
 Thirty-third and East Morrison, N E cor  
 Thirty-third and East Stark, S W cor  
 Thirty-fourth and East Alder, N W cor  
 Thirty-fourth and Belmont, S W cor  
 Thirty-fourth and East Stark, S E cor  
 Thirty-fourth and East Taylor, S E cor  
 Thirty-fourth and East Main, S E cor  
 Thirty-fourth and Hawthorne ave., N E cor.  
 Thirty-fifth and East Madison, N E cor  
 Thirty-fifth and East Taylor, N W cor  
 Thirty-fifth and East Morrison, N W cor  
 Thirty-sixth and East Main, N E cor  
 Fortieth and East Taylor  
 Inman mill and yards, 3 hydrants  
 Larrabee and Holladay ave., S E cor  
 Larrabee and Halsey, S E cor  
 Benton and Clackamas, S E cor  
 Wheeler and Clackamas, S W cor  
 Ross and Cherry, N E cor  
 Ross and Dixson, S W cor  
 Railroad and Randolph, S W cor  
 Railroad and Russell, N E cor  
 Goldsmith and Randolph, N W cor

\*New hydrants.

## FIRE HYDRANTS—Continued.

## East Side.

Goldsmith and Mitchell, N W cor	*Vancouver ave. and Beach, N W cor
Delay and Russell, N W cor	cor
Mississippi and Russell, N E cor	Borthwick and Monroe, S W cor
Mississippi and Stanton, S E cor	*Borthwick and Shaver, S E cor
Mississippi and Fremont, S E cor	*Borthwick and Fremont, S E cor
Mississippi and Beach, S E cor	*Commercial and Beach, S E cor
Mississippi and Shaver, N E cor	*Missouri ave. and Fremont, N E cor
Mississippi and Skidmore, N E cor	cor
Williams ave. and Cherry, S E cor	*Missouri ave. and Failing, S E cor
Williams ave. and Tillamook, N W cor	*Missouri ave. and Mason, S E cor
Williams ave. and Mason, S W cor	*Missouri ave. and Going, S W cor
Williams ave. and Highland, S W cor	Milwaukie and Powell, N E cor
Rodney ave. and Sellwood, N E cor	Milwaukie and Rhone, N E cor
Rodney ave. and Eugene, S E cor	Milwaukie and Caywood, N E cor
Rodney ave. and Russell, S W cor	Milwaukie and Baldwin switch
Rodney ave. and San Rafael, S E cor	Milwaukie and Center, S E cor
*Vancouver ave. and Cook ave., N W cor	Milwaukie and Ash, N E cor
	Marguerite and Murray ave.
	Marguerite, 400 ft. north of Murray ave.
	Inside Power House, Milwaukie and Powell.

## Sellwood District.

Second and Umatilla ave.	Sixth and Spokane ave.
Fourth and Spokane ave.	Sixth and Clackamas ave.
Fourth and Marion ave.	Elghth and Spokane ave.
Fourth and Umatilla ave.	Eighth and Umatilla ave.
Fourth and Central ave.	Ninth and Spokane ave.
Sixth and Umatilla ave.	Tenth and Umatilla ave.
	Tenth and Tacoma ave.

\*New hydrants.

## HYDRANTS SET IN 1897, IN PLACE OF MOREY SYSTEM, DISCONTINUED.

## Front Street.

Front and Market, S W cor	Front and Ankeny, S W cor
Front and Columbia, S E cor	Front and Burnside, S W cor
Front and Jefferson, N W cor	Front and Couch, S W cor
Front and Madison, N W cor	Front and Davis, S W cor
Front and Main, S W cor	Front and Everett, N W cor
Front and Salmon, S W cor	West side of North Front, between Glisan and Hoyt.
Front and Taylor, N W cor	Intersection of North Front and Second.
Front and Yamhill, N W cor	South end of O. R. & N. freight shed.
Front and Morrison, S E cor	About midway length of O. R. & N. freight shed.
Front and Alder, N W cor	North end of O. R. & N. freight shed.
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	

## First Street.

First and Market, S W cor	First and Morrison, N E cor
First and Clay, S W cor	First and Washington, N E cor
First and Columbia, S W cor	First and Oak, N W cor
First and Jefferson, N E cor	First and Pine, N W cor
First and Madison, S W cor	First and Couch, S E cor
First and Main, N W cor	First and Everett, N W cor
First and Taylor, S W cor	First and Flanders, N E cor

## Second Street.

Second and Salmon, S W cor	Second and Stark, S W cor
Second and Yamhill, S W cor	Second and Ash, S W cor
Second and Alder, S W cor	Second and Ankeny, S E cor
Second and Washington, N E cor	Second and Burnside, N W cor

## Fourth Street.

Fourth and Couch, N E cor

## CISTERNS.

## LOCATION AND CAPACITY.

Commencing on Each Street, South End of City.

Front and Harrison.....	20,000	Fourth and Stark.....	20,000
Front and Columbia.....	20,000	Fourth and Burnside.....	11,000
Front and Madison.....	20,000	Fifth and Caruthers.....	20,000
First and Meade.....	20,000	Fifth and Taylor.....	15,000
First and Mill.....	15,000	Fifth and Morrison.....	20,000
First and Jefferson.....	15,000	Fifth and Washington.....	15,000
First and Salmon.....	20,000	Fifth and Oak.....	15,000
First and Taylor.....	20,000	Fifth and Everett.....	20,000
First and Morrison.....	20,000	Fifth and Glisan.....	20,000
First and Alder.....	20,000	Sixth and College.....	20,000
First and Washington.....	20,000	Sixth and Mill.....	20,000
First and Stark.....	23,000	Sixth and Main.....	18,000
First and Oak.....	20,000	Sixth and Davis.....	20,000
First and Ash.....	20,000	Seventh and Harrison.....	15,000
First and Burnside.....	15,000	Seventh and Jefferson.....	20,000
Second and Caruthers.....	20,000	Seventh and Salmon.....	15,000
Second and Hall.....	20,000	Seventh and Morrison.....	8,000
Second and Main.....	15,000	Seventh and Washington...	15,000
Second and 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	.....	.....
Fourteenth and Glisan.....	20,000	Seventeenth and Yamhill...	20,000
Fourteenth and Marshall....	20,000	Lownsdale 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.

## REPORT OF SUPERINTENDENT OF FIRE ALARM TELEGRAPH.

R. G. PADDOCK, Superintendent.

CHAS. A. SEVERIAU, Assistant.

Portland, Oregon, January 1, 1898.

To the Honorable Board of Fire Commissioners:

Gentlemen—During the year just closed, a large amount of work has been done on the system. The greater part of the line wires have been overhauled and placed in first class condition. A considerable expense was caused by reason of having to remove our wires from the poles of the Oregon Telephone Company. The Portland General Electric Company, the Columbia Telephone Company, and the City & Suburban Railway Company promptly placed their poles at the disposal of the city, thereby saving us a large outlay in the purchase of new poles. Many of the signal boxes located on poles carrying high potential circuits have been insulated with mica pipe breaks, and the remainder will be so insulated as fast as possible. This is a much-needed protection, both to linemen and the general public. A new box has been placed at East Fifteenth and Davis, and a new box substituted for old box 74. A number of the old boxes should be retired from service as soon as possible. The automatic whistle formerly at the foot of Oak street has been placed on the Burnside street bridge. The system has

experienced no trouble during the year, except that incidental to several crosses with light wires. During the month of March, the new central office, located in the City Hall, and the sub-station at Chemical No. 3, will be completed. Storage batteries will supply current to the circuits. The switchboards are being constructed in the East, but the ornamental iron framing and the battery-stands are being made here. When completed, I feel safe in saying we shall have one of the handsomest and best-equipped central offices in the country. It is conceded that the alarm service is of vital importance to modern fire departments, and should be maintained at the highest point of efficiency; and I desire to thank your honorable body for the interest taken, and ever readiness to assist in attaining this end. My thanks are also due to the officers and members of the Fire Department for many courtesies.

Respectfully submitted,

R. G. PADDOCK,  
Superintendent.

#### SIGNAL BOXES.

- 7 Southeast corner Park and Jefferson.
- 8 Southeast corner Twelfth and Morrison.
- 9 Southeast corner Ninth and Everett.
- 12 Southeast corner First and Morrison.
- 13 Southeast corner Third and Washington.
- 14 Southeast corner Second and Oak.
- 15 Southeast corner First and Vine.
- 16 Southeast corner First and Flanders.
- 17 Southeast corner Sixth and Couch.
- 18 Southwest corner Front and Lovejoy.
- 19 Southeast corner Front and Stark.
- 21 Southeast corner Fifth and Morrison.
- 23 Southeast corner Park and Oak.
- 24 Southeast corner Fourteenth and Glisan.
- 25 Southeast corner Fourteenth and Northrup.
- 26 Southeast corner Seventeenth and Savier.
- 27 Washington, opposite Seventeenth.
- 28 Southeast corner Twelfth and Couch.
- 29 Southeast corner Twenty-second and Everett.
- 31 Southeast corner First and Meade.
- 32 Southeast corner Fourteenth and Jefferson.
- 34 Southeast corner Seventh and Jackson.
- 35 Southeast corner Seventeenth and Clay.
- 36 Southeast corner Twelfth and Hall.
- 37 Southeast corner Fourth and Grant.
- 38 Southeast corner Front and Market.
- 39 Northeast corner Water and Harrison.
- 41 Southeast corner Twentieth and Johnson.
- 42 Southeast corner Twenty-second and Savier.
- 43 Southeast corner Weidler's Mill.
- 45 Southeast corner Seventh and Glisan.
- 46 Southeast corner Twentieth and Washington.
- 47 Southeast corner Eighteenth and Flanders.
- 48 Southeast corner Eleventh and Johnson.
- 49 Southeast corner Twenty-second and Lovejoy.
- 51 Southeast corner Second and Taylor.
- 52 Southeast corner Third and Madison.
- 53 Southeast corner West Park and Yamhill.
- 54 Southeast corner Fourth and Ankeny.
- 56 Southeast corner Eleventh and Main.
- 57 Southeast corner Seventeenth and Taylor.
- 58 Southeast corner West Main and Stout.
- 59 Southeast corner Seventh and Montgomery.



## SIGNAL BOXES—Continued.

- 61 Southeast corner Front and Couch.
- 62 Southeast corner Fourth and Hoyt.
- 63 Southeast corner Tenth and Washington.
- 64 Southeast corner Nineteenth and Pettygrove.
- 65 Engine Company No. 6, Twentieth and Quimby.
- 67 Southeast corner Twenty-fourth and Johnson.
- 68 Southeast corner Twenty-sixth and Thurman.
- 69 Southeast corner Nineteenth and Wilson.
- 71 Southeast corner Corbett and Whittaker.
- 72 Southeast corner Corbett and Bancroft ave.
- 73 Southeast corner Macadam and Thomas.
- 74 Southeast corner Hood and Caruthers.
- 75 Southwest corner Second and Sheridan.
- 81 Engine Company No. 5, Front, bet. Gibbs and Whittaker.
- 91 N. P. Lumber Manufacturing Company's Mill.
- 92 Cold Storage, North Front and Pettygrove.
- 93 St. Vincent's Hospital.
- 123 Southeast corner Front and Salmon.
- 124 Southeast corner First and Hall.
- 125 Southeast corner Fourth and Mill.
- 126 Southeast corner First and Jefferson.
- 132 Truck Co. No. 5, Fourth, bet. Morrison and Yamhill.
- 134 Southeast corner Sixth and Salmon.
- 135 Southeast corner Sixth and Washington.
- 137 Southeast corner St. Clare and Park ave.
- 142 Southeast corner Third and Davis.
- 143 Steel Bridge, office.
- 145 Southeast corner Seventeenth and Kearney.
- 152 Morrison Street Bridge, office.
- 213 Northeast corner East Morrison and Water.
- 214 Northwest corner Hawthorne ave. and Water.
- 215 Northeast corner E. Fifth and Clay.
- 216 Northwest corner E. Eleventh and Stephens.
- 217 Northwest corner Twelfth and E. Morrison.
- 218 Northwest corner Twelfth and E. Ankeny.
- 219 Northwest corner Ninth and E. Oak.
- 231 Northwest corner Union ave. and E. Oak.
- 234 Northwest corner E. Fifth and E. Morrison.
- 235 Southeast corner E. Fifth and E. Burnside.
- 236 Southeast corner E. Fifth and Holladay ave.
- 237 Southeast corner Larrabee and Holladay ave.
- 238 Northwest corner Larrabee and Broadway.
- 241 Southeast corner E. Ninth and E. Davis.

## SIGNAL BOXES—Continued.

- 242 Southwest corner E. Fifteenth and E. Davis.
- 243 Northwest corner E. Sixteenth and E. Morrison.
- 245 Southwest corner E. Twentieth and Taylor.
- 246 Northwest corner E. Twenty-second and Ankeny.
- 251 Hose Co. No. 3, E. Seventh, bet. Stephens and Harrison.
- 253 Corner E. Eleventh and Division.
- 258 Southeast corner E. Fifth and Division.
- 259 Northwest corner E. Eleventh and Beacon.
- 267 Southeast corner E. Water and E. Main.
- 312 Southeast corner Russell and Railroad.
- 314 Southwest corner Goldsmith and Mitchell.
- 315 Southwest corner Mississippi ave. and Stanton.
- 316 Southwest corner Williams ave. and Russell.
- 317 Northeast corner Williams ave. and Weidler.
- 318 Northeast corner Union ave. and San Rafael.
- 319 Southwest corner Union ave. and Russell.
- 321 Southeast corner Mississippi ave. and Fremont.
- 324 Mississippi ave. and Mason.
- 325 Williams ave. and Mason.
- 326 Northeast corner Williams ave. and Fremont.
- 327 Southwest corner Union ave. and Morris.
- 329 Southeast corner E. Fifteenth and Broadway.
- 341 Corner Russell, opposite Borthwick.
- 342 Northeast corner Williams ave. and Morris.
- 345 Borthwick and Fargo.
- 358 Southeast corner E. Fifth and Division.
- 359 Corner E. Eleventh and Beacon.
- 361 Southeast corner E. Sixth and Halsey.

District numbers which are struck from the combination boxes located on the steel bridge and Madison street bridge:

- |                      |   |
|----------------------|---|
| No. of District—145. | Location—Seventeenth and Kearney.         |
| No. of District—146. | Location—Fifth and Irving.                |
| No. of District—147. | Location—Freight Sheds, Seventh and Hoyt. |
| No. of District—148. | Location—Foot of Lovejoy.                 |
| No. of District—149. | Location—Weidler's Mill.                  |
| No. of District—152. | Location—Morrison Street Bridge, office.  |
| No. of District—153. | Location—Foot of Salmon.                  |
| No. of District—154. | Location—Foot of Jefferson.               |
| No. of District—156. | Location—Pennoyer's Mill.                 |
| No. of District—162. | Location—Foot of Stark.                   |
| No. of District—163. | Location—Foot of Pine.                    |

No. of District—164.	Location—Foot of Vine.
No. of District—165.	Location—Burnside Street Bridge, west side.
No. of District—167.	Location—Foot of Flanders.
No. of District—172.	Location—Foot of Wilson.
No. of District—173.	Location—N. P. Lumber Company's Mill.
No. of District—254.	Location—Hogue's Mill.
No. of District—256.	Location—Madison Street Bridge, east side.
No. of District—257.	Location—Inman & Poulsen's Mill.
No. of District—263.	Location—Foot of Washington.
No. of District—264.	Location—Foot of East Oak.
No. of District—265.	Location—Burnside Street Bridge, east side.
No. of District—351.	Location—Steel Bridge, east side.
No. of District—352.	Location—Foot of Broadway.
No. of District—354.	Location—Goldsmith and Mitchell.
No. of District—356.	Location—Albina Ferry, east side landing.
No. of District—357.	Location—Foot of Russell.
No. of District—358.	Location—Pacific Coast Grain Elevator site.

Auxiliary fire alarm numbers that are sent out by the Portland Automatic Fire Alarm Company:

512 Snell, Heitshu & Woodard Co., Sixth and Ankeny.
513 Goodyear Rubber Company, corner First and Oak.
514 The A. P. Hotaling Company, corner First and Burnside.
517 Closset & Devers, Burnside, between Second and Third.
523 Olds & King, corner Fifth and Washington.
526 Building, northwest corner Morrison and Third.
527 Honeyman, DeHart & Co., corner Second and Ash.
534 Mason, Ehrman & Co., corner Second and Pine.
536 McCracken's Warehouse, corner Ninth and Irving.

#### INVENTORY

53 Miles ariel lines, including wire, iron brackets, insulators, pipe, etc. ....	\$ 7,000.00
112 signal boxes .....	10,550.00
1 tower bell and striker .....	3,000.00
1 small bell .....	75.00
2 whistles and blowers .....	900.00
8 gongs, 18 inches .....	680.00
15 gongs, 14 inches .....	200.00
3 gongs, 8 inches .....	150.00
4 gongs, 6 inches .....	90.00

6 visual indicators .....	600.00
1 gong, 15 inches, and visual indicator combined .....	185.00
9 tape registers .....	300.00
7 combination call bell sets .....	70.00
1 large relay and case .....	7.00
1 Morse key .....	1.50
28 pony relays and cases .....	140.00
100 instruments, protectors and cases .....	700.00
10 vertical galvanometers .....	85.00
2 horizontal galvanometers .....	20.00
2 automatic repeaters .....	950.00
1 combination 6-circuit switch .....	75.00
1 combination 2-circuit switch .....	5.00
3 combination 2-circuit switches .....	15.00
10 switches, C. E. W. make .....	30.00
65 small switches and push buttons .....	23.00
1 instrument table .....	25.00
1 instrument table (small) .....	4.00
34 horse unhitchers .....	680.00
1 lounge .....	3.00
2 chairs .....	2.50
1 table .....	5.00
1 voltmeter .....	75.00
1 Wheatstine bridge (old) .....	45.00
	<hr/>
	\$26,691.00

#### BATTERY.

490 cells, gravity .....	\$ 400.00
135 cells, Samson & Laclanche .....	135.00
300 pounds bluestone .....	14.25
	<hr/>
	\$ 549.25

#### TOOLS, FIXTURES, ETC.

2 ladders .....	\$ 5.00
3 stoves and pipes .....	20.00
1 gas stove .....	3.50
3 sets battery shelves .....	75.00
1 battery table .....	6.00

1 work bench .....	3.00
1 block and fall .....	3.50
1 pair wire stretchers .....	3.00
1 strap vise .....	1.75
1 bench vise .....	10.00
2 pairs pliers .....	3.00
1 pair connectors .....	2.00
1 angle brace .....	2.25
1 brace .....	1.50
1 hatchet .....	.75
1 hammer .....	.50
3 screwdrivers .....	2.50
2 framing chisels .....	2.25
2 monkey wrenches .....	1.00
1 pipe wrench .....	1.00
½ dozen bits .....	2.00
1 rivet punch and set .....	.55
6 files .....	1.50
1 pair tinner's shears .....	2.00
1 plane .....	1.25
2 gasoline torches .....	7.00
1 alcohol torch, old .....	1.00
1 charcoal pot .....	1.00
1 sprinkling pot .....	.50
4 oil cans .....	1.50
1 glass funnel .....	.50
1 demijohn .....	.35
2 thermometers .....	.75
1 wire reel .....	5.00
2 gas fixtures .....	2.00
1 iron bar .....	1.00
1 shovel .....	1.00
1 tool box .....	4.00
1 tool box .....	2.50
Miscellaneous tools .....	3.00

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\$ 185.90

## MATERIAL.

1 signal box (old) .....	\$ 15.00
1 outer box case .....	10.00
2 wood bases .....	.80
3 dozen lag screws .....	.72
6 dozen assorted screws .....	1.00
10 rolls register tape .....	1.25
1 dozen pipe caps .....	1.80
500 feet iron line wire.....	3.00
	<hr/>
	\$ 33.57

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Total value of fire alarm property.....\$27,459.72

## REPORT OF CHIEF OF POLICE.

### ANNUAL REPORT OF THE POLICE DEPARTMENT OF THE CITY OF PORTLAND FOR THE YEAR 1897.

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

Gentlemen—I herewith submit my annual report, containing a full record of the work done by the police department, and the expenditures, etc., for the year ending December 31, 1897.

M. J. CLOHESSY,  
Acting Chief of Police.

I have also prepared for the consideration of your honorable body a comparative statement of the expenses of the Portland police force for the years 1893, 1894, 1895, 1896 and 1897, showing the net cost of the department to the taxpayers:

1893.

Warrants drawn on the city treasurer by police department.....	\$118,005.10
Fines collected and paid into the general fund .....	8,581.45

Net cost to taxpayers .....\$109,423.65

1894.

Warrants drawn on city treasurer by police department.....	\$102,179.36
Fines collected and paid into general fund.....	3,802.40

Net cost to taxpayers .....\$ 98,376.96

1895.

Warrants drawn on city treasury by police department.....	\$ 84,420.33
Fines collected and paid into general fund.....	7,811.50

Net cost to taxpayers .....\$ 76,608.83

1896.

Warrants drawn on city treasury by police department.....	\$ 71,110.59
Fines collected and paid into the general fund.....	4,773.50
Net cost to taxpayers .....	\$ 66,332.09

1897.

Warrants drawn on city treasury by police department.....	\$ 71,995.58
Fines collected and paid into general fund .....	3,195.80
Net cost to taxpayers .....	\$ 68,799.78

The total number of arrests for all offenses during this period is:

For the year of 1893 .....	4,618
For the year of 1894 .....	3,844
For the year of 1895 .....	3,721
For the year of 1896 .....	2,972
For the year of 1897 .....	3,601

## PORTLAND POLICE DEPARTMENT EXPENSES, 1897.

	Salaries.....	Feeding Prisoners.....	Patrol Wagon.....	Feeding and Shoeing Horses.	Repairing Jail.....
January .....	\$5,465.35	\$154.80	\$32.15	\$84.19	\$23.50
February .....	5,505.00	102.25	11.25	108.74	16.00
March .....	5,492.55	115.85	.....	98.38	19.08
April .....	5,071.05	81.10	.....	99.71	1.50
May .....	5,164.00	66.15	1.50	118.61	83.75
June .....	5,001.00	56.05	.....	72.14	28.35
July .....	5,212.30	66.78	14.00	96.78	18.10
August .....	5,284.45	69.39	70.38	127.88	.....
September .....	5,321.30	110.43	18.00	84.70	97.44
October .....	5,663.20	119.70	.....	110.75	40.11
November .....	5,568.75	.....	.....	65.74	26.68
December .....	5,622.80	313.92	23.05	140.63	117.65
Totals .....	\$64,371.75	\$1,256.42	\$170.33	\$1,208.25	\$472.16

## PORTLAND POLICE DEPARTMENT EXPENSES, 1897.

	Fuel.....	Light.....	Printing.....	Telegrams.....	Telephones.....
January .....	\$80.30	\$65.99	\$53.60	.....	\$32.55
February .....	41.00	70.53	35.83	9.32	35.00
March .....	47.00	56.30	22.10	8.37	35.55
April .....	.....	56.02	90.55	2.98	38.40
May .....	23.50	47.37	29.95	18.33	34.25
June .....	3.00	46.60	27.28	2.98	40.65
July .....	17.75	73.13	36.75	17.64	47.63
August .....	.....	.....	25.00	.25	50.83
September .....	.....	95.54	36.75	3.60	39.20
October .....	33.00	50.54	46.15	6.65	46.35
November .....	.....	53.63	9.40	12.05	54.55
December .....	105.75	55.50	58.90	8.35	60.95
Totals .....	\$351.30	\$671.15	\$472.20	\$90.52	\$515.91

## PORTLAND POLICE DEPARTMENT EXPENSES, 1897.

	Ex. Al System.....	Contingent.....	Total.....
January .....	.....	.....	.....
February .....	\$13.75	\$36.20	\$6,042.38
March .....	.....	36.83	5,971.75
April .....	35.63	35.50	5,966.31
May .....	31.40	73.04	5,545.75
June .....	26.50	32.43	5,646.34
July .....	61.40	37.38	5,376.83
August .....	544.82	61.93	6,207.61
September .....	371.84	40.74	6,040.76
October .....	355.88	85.20	6,248.04
November .....	133.47	54.75	6,304.67
December .....	14.13	216.96	6,021.89
.....	29.20	86.55	6,623.25
Totals .....	\$1,517.92	\$797.51	\$71,995.58

FINES COLLECTED IN THE MUNICIPAL COURT FOR THE  
YEAR 1897.

January .....	\$ 340.00	July .....	343.00
February .....	218.00	August .....	290.00
March .....	549.50	September .....	227.40
April .....	207.00	October .....	178.00
May .....	291.50	November .....	125.00
June .....	260.40	December .....	166.00
Total .....			\$3,195.80

Total number of arrests during the year 1897.....	3,601
Number of males arrested .....	3,129
Number of foreigners arrested .....	1,503
Number of females arrested .....	472
Number of minors (males) arrested .....	226
Number of minors (females) arrested .....	62
Males provided with lodgings .....	305
Females provided with lodgings .....	5

CLASSIFICATION OF CRIMES.

Adultery .....	4
Arson .....	1
Attempt to rob .....	4
Assault and battery .....	205
Assault with dangerous weapon .....	44
Assault with intent to rape .....	3
Assault with intent to kill .....	10
Assault with intent to rob .....	4
Abusive language .....	42
Burglary .....	57
Cruelty to animals .....	14
Contempt of court .....	2
Crime against person .....	4
Carrying concealed weapons .....	31
Drunkenness .....	1,019
Disorderly conduct .....	187
Drunk and disorderly .....	121
Deserters .....	8
Disturbing religious meetings .....	10
Defacing property .....	34

Discharging firearms in city limits .....	6
Embezzlement .....	4
Enticing young girls for immoral purposes.....	2
Employment, no license .....	2
Fugitives from justice .....	14
False pretenses .....	13
Forgery .....	6
Frequenting gambling houses .....	2
Gambling .....	46
Grave robbing .....	4
Houses of ill fame .....	9
Highway robbery .....	2
Held as witnesses .....	113
Held for the Open Door .....	3
Held for the reform school .....	2
Having cocaine in possession .....	5
Having morphine in possession .....	15
Held for the United States authorities .....	6
Held for the Boys and Girls' Aid Society .....	22
Insane .....	38
Indecent exposure .....	9
Interfering with an officer .....	3
Impersonating an officer .....	5
Larceny .....	179
Larceny from person .....	26
Larceny in a dwelling .....	39
Larceny by bailee .....	25
Larceny in a store .....	6
Larceny by embezzlement .....	5
Larceny in a warehouse .....	2
Lottery tickets in possession .....	24
Lewd cohabitation .....	14
Libel .....	1
Night walking .....	152
Obstructing .....	2
Peddling without a license .....	50
Prisoners en route .....	19
Passing morphine into city jail .....	2
Pointing a loaded revolver at another.....	2
Buying and receiving stolen goods.....	18
Seduction .....	4
Saloon after 1 A. M. ....	1
Selling liquor without a license .....	2
Safe keeping .....	33
Soliciting prostitution .....	19

Peddling without a license .....	50
Prisoners en route .....	19
Passing morphine into city jail .....	2
Pointing a loaded revolver at another .....	2
Perjury .....	3
Rape .....	7
Selling opium, no prescription .....	1
Sturdy beggars .....	112
Suspicious persons .....	59
Selling liquor to minors .....	3
Selling lottery tickets .....	10
Setting up a lottery .....	57
Smoking opium .....	29
Selling cigarettes to minors .....	1
Setting fire to prairie .....	1
Selling diseased meat .....	2
Stubborn children .....	23
Serve unexpired sentences .....	13
Safe keeping .....	33
Soliciting prostitution .....	19
Saloon after 1 A. M. ....	1
Selling liquor without a license .....	2
Seduction .....	4
Sodomy .....	1
Threatening to commit a crime .....	42
Threatening to kill .....	8
Trespass .....	151
Train robbery .....	2
Uttering counterfeit money .....	5
Vagrancy .....	217
Vicious animals at large .....	6
Violating scavenger ordinance .....	8
Violating ordinance 10137 .....	10
Violating ordinance 9602 .....	3
Violating ordinance 10272 .....	56
Violating ordinance 3983 .....	10
Violating ordinance 7133 .....	4
Violating ordinance 8940 .....	3
Violating ordinance 10359 .....	5
Violating ordinance 10139 .....	1
Violating ordinance 10029 .....	2
Violating ordinance 5925 .....	2
Violating ordinance 3170 .....	2
Violating ordinance 4678 .....	1
Violating ordinance 8561 .....	1

Violating ordinance 8881 .....	4
Violating ordinance 10238 .....	1
Violating ordinance 6345 .....	4
Violating ordinance 3259 .....	2
Violating ordinance 10221 .....	3
Violating ordinance 9941 .....	19
Violating ordinance 3981 .....	2
Violating ordinance 9316 .....	3
Violating ordinance 8765 .....	3
Violating ordinance 7130 .....	2
Violating ordinance 9188 .....	2
Violating ordinance 9186 .....	3
Violating ordinance 9183 .....	1
Violating ordinance 9054 .....	2
Violating ordinance 9117 .....	12

## MISCELLANEOUS DUTIES OF DEPARTMENT.

Patrol wagon calls .....	1,486
Accidents reported .....	112
Breaking and entering prevented .....	3
Burglaries reported .....	238
Larcenies reported .....	391
Cows and horses driven to the pound .....	2
Dangerous bridges reported .....	152
Dead bodies reported .....	3
Defective sewers reported .....	17
Disturbances suppressed .....	39
Drains, vaults and nuisances reported .....	26
Fire alarms given .....	137
Fire extinguished without alarms .....	81
Injured persons assisted .....	14
Intoxicated persons helped home .....	75
Lost children .....	215
Lights out in shops usually lighted .....	26
Nuisance notices served .....	54
Runaway horses stopped .....	39
Runaway horses reported .....	25
Robberies reported .....	31
Sidewalks reported for repairs .....	654
Shops found open and secured .....	32
Street obstructions reported .....	98
Stray teams put up .....	19
Suicides reported .....	11



Water running to waste .....	18
Witnesses summoned .....	956

Defective lights during the year 1897, out at intervals, both arc and incandescent, hours out, etc.:

	West Side..	East Side...	Hours out..	Minutes out
Arc .....	860	1,979	13,539	10,809
Incandescent .....	2,039	164	14,135	2,860

Amount of property reported stolen or lost during the year 1897 .....	\$23,371.46
Amount of property recovered by the police department during the year 1897 .....	\$16,436.55
Number of persons arrested on state warrants during the year 1897..	470
Number of persons arrested on city warrants during the year 1897..	84

MISCELLANEOUS WORK DONE BY THE POLICE DEPARTMENT  
DURING THE YEAR 1897.

The following were ordered turned over by the court to the different charitable institutions:

To the Boys' and Girls' Aid Society.....	65
To the Reform School .....	12
To the Open Door .....	5
To the Magdalen Home .....	5
To the Orphans' Home .....	3

CONVICTIONS IN THE CIRCUIT COURT OF PRISONERS BOUND OVER BY THE MUNICIPAL COURT  
TO THE GRAND JURY DURING THE YEAR 1897.

Date.	Name.	Crime.	Term.
January	5—Chas. Underhill.....	Larceny.....	7 years in penitentiary
January	9—J. T. Hartley.....	Burglary.....	3 years in penitentiary
January	11—J. E. Stowell.....	Larceny.....	.90 days in county jail
January	26—Anna Michaels.....	Selling sp. liquors.....	\$200 fine
January	28—Jack Donnelly.....	Assault with dangerous weapon.....	100 days in county jail
January	30—T. Stephenson.....	Polygamy.....	2 years in penitentiary
February	8—George Kiss.....	Larceny.....	.6 months in county jail
February	8—C. B. Greenly.....	Larceny.....	.6 months in county jail
February	12—J. G. Hicks.....	Larceny.....	11½ years in penitentiary
February	12—James Devine.....	Assault with intent to rob.....	8 years in penitentiary
February	16—Lillie Harper.....	Larceny.....	18 months in penitentiary
February	19—Jennie Melcher.....	Perjury.....	2½ years in penitentiary
February	20—J. L. Joel.....	Assault with dangerous weapon.....	40 days in county jail
February	20—Bert Smith.....	Larceny.....	.8 years in penitentiary
February	27—C. F. Baker.....	Uttering forged checks.....	2 years in penitentiary
March	9—Ah Kee.....	Larceny.....	.2 years in penitentiary
March	12—John Wampler.....	Larceny.....	.6 months in county jail
March	25—M. C. Harris.....	Rape.....	20 years in penitentiary
March	25—Katie Sanders.....	Rape.....	15 years in penitentiary
April	1—Ezra Durand.....	Uttering forged notes.....	12 years in penitentiary
April	14—Fred Rinehart.....	Burglary.....	.5 years in penitentiary
April	19—John E. Wise.....	Seduction.....	.5 years in penitentiary
April	19—Sarah A. Lamb.....	Concealing death of child.....	90 days in county jail
April	24—Wm. Smith.....	Burglary.....	.2 years in penitentiary
April	24—James Ryan.....	Burglary.....	.5 years in penitentiary
April	24—Wm. Johnson.....	Burglary.....	.5 years in penitentiary
April	27—Peter Petersen.....	Obtaining money by false pretenses.....	30 days in county jail
May	5—Ah Moy.....	Rape.....	.5 years in penitentiary
May	10—Frank E. Miller.....	Larceny.....	1 year in penitentiary
May	12—Henry Wagoner.....	Larceny.....	25 days in county jail
May	12—J. H. Stowe.....	Burglary.....	.3 years in penitentiary
May	13—George R. Dedman.....	Larceny by bailee.....	18 months in penitentiary
May	18—George Kelly.....	Burglary.....	.3 years in penitentiary
May	20—Nat Costanzo.....	Assault to rape.....	\$500 fine
May	22—Henry Roesch.....	Burglary.....	.3 years in penitentiary
May	24—Chas. Pickett.....	Larceny in dwelling.....	90 days in county jail
May	25—Ed. Williams.....	Malicious injury to property.....	37½ days in county jail
May	25—Shanon Bruce.....	Assault to rape.....	250 days in county jail
May	25—Ah Tong.....	Assault with dangerous weapon.....	75 days in county jail
May	28—F. I. Copeland.....	Uttering forged checks.....	12 years in penitentiary
June	1—Frank Cheaves.....	Assault with dangerous weapon.....	37½ days in county jail
June	4—Herman Grishow.....	Rape.....	10 years in penitentiary
June	4—Margaret Riley.....	Larceny.....	37½ days in county jail
June	9—Thomas Muldoon.....	Larceny.....	50 days in county jail
June	12—Joseph Sheehy.....	Larceny in dwelling.....	50 days in county jail
June	12—John Blazier.....	Gambling.....	\$150 fine
June	12—Abe Preston.....	Gambling.....	\$150 fine
June	12—E. Blazier.....	Gambling.....	\$150 fine
June	12—A. Erickson.....	Gambling.....	\$150 fine
June	14—W. A. Young.....	Larceny.....	.6 months in county jail
June	16—Dan Magone.....	Illegal disinterment.....	.2 years in penitentiary

CONVICTIONS IN THE CIRCUIT COURT OF PRISONERS BOUND OVER BY THE MUNICIPAL COURT  
TO THE GRAND JURY DURING THE YEAR 1897—Continued.

Date.	Name.	Crime.	Term.
June	16—Wm. Rector.....	Illegal disinterment.....	2 years in penitentiary
June	16—Ed. Long.....	Illegal disinterment.....	2 years in penitentiary
June	16—Wm. Montgomery.....	Illegal disinterment.....	2 years in penitentiary
June	16—Ralph Vaughn.....	Gambling.....	50 days in county jail
June	17—Julius Heubner.....	Burglary.....	6 months county jail
June	18—Marcus Scholl.....	Receiving stolen property.....	50 days in county jail
June	23—Harry McLeod.....	Uttering forged checks.....	5 years in penitentiary
June	29—George Lewis.....	Assault and battery.....	1 year in county jail
July	6—Henry Tenant.....	Larceny in warehouse.....	1 year in penitentiary
September	14—Joseph Kozak.....	Assault with dangerous weapon.....	6 months county jail
September	20—Chas. Dougherty.....	Larceny.....	30 days in county jail
September	20—Wm. Fisher.....	Larceny in steamboat.....	4 years in penitentiary
October	4—Jos. Dougherty.....	Malicious injury to property.....	30 days in county jail
October	6—Chas. Sing.....	Larceny.....	12½ days county jail
October	9—H. R. Lasaigne.....	Larceny.....	42 days in county jail
October	12—George Jackson.....	Train robbery.....	30 years in penitentiary
October	12—Chas. Williams.....	Train robbery.....	30 years in penitentiary
October	13—Harry L. Jenkins.....	Larceny in dwelling.....	5 years in penitentiary
October	16—Alex. Bovall.....	Assault to rape.....	4 years in penitentiary
October	20—John Whiting.....	Larceny.....	33 days in county jail
November	2—Patrick Burke.....	Larceny in store.....	1 year in penitentiary
November	8—James Milham.....	Assault and battery.....	25 days in county jail
November	8—Henry Kissling.....	Assault with intent to rob.....	20 months in penitentiary
November	8—Margaret Riley.....	Larceny from person.....	10 months in county jail
November	10—James Carroll.....	Burglary.....	4 years in penitentiary
November	10—Ben. Patterson.....	Burglary.....	4 years in penitentiary
November	12—Chas. Herbert.....	Burglary.....	2 years in penitentiary
November	20—Jos. Kessing.....	Larceny.....	6 months county jail
November	29—Wm. Rayburn.....	Larceny.....	6 months county jail
November	30—C. E. Cramer.....	Uttering forged checks.....	4 years in penitentiary
November	30—Jack Backstrom.....	Larceny.....	30 days in county jail
December	2—Chas. Jones.....	Larceny.....	30 days in county jail
December	6—Mary Haberland.....	Larceny.....	\$100 fine
December	8—Frances T. Clark.....	Uttering forged checks.....	5 years in penitentiary
December	16—James Buckley.....	Larceny.....	45 days in county jail
December	16—Jos. Nelson.....	Larceny.....	50 days in county jail
December	22—M. O. Olsen.....	Obtaining money by false pretenses.....	1 year in penitentiary
December	24—C. Rohan.....	Larceny in dwelling.....	90 days in county jail

NUMBER OF EMPLOYES, AND THEIR OCCUPATION, OF THE  
POLICE DEPARTMENT.

1 Chief	2 License Officers
3 Captains	1 Matron
2 Clerks	1 Stenographer and Telephone Op- erator
4 Detectives	2 Patrol Wagon Drivers
2 Electricians	4 Mounted Patrol Officers
1 Health Officer	50 Patrolmen
1 Humane Officer	
2 Jailers	

NUMBERS AND LOCATIONS OF THE PORTLAND POLICE  
TELEGRAPH BOOTHS.

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

NUMBER OF DAYS WORKED BY PRISONERS OF CITY JAIL ON  
STREETS, FOR FOLLOWING MONTHS, FOR YEAR 1897.

	No. of Men.	No. of Days Worked.
September .....	18	56
October .....	18	27
November .....	33	102
December .....	55	200
January .....	21	50
February .....	23	71
March .....	12	24
Total .....	180	530

Total number of prisoners sent to the county jail during the year year 1897 .....	353
Total number of prisoners sent to the penitentiary during the year 1897 .....	48

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

January .....	\$ 18.18
February .....	60.88
March .....	40.49
April .....	48.16
May .....	37.01
June .....	15.95
July .....	26.94
August .....	39.70
September .....	22.42
October .....	24.19
November .....	113.09
December .....	142.57
Total .....	\$589.54

## REPORT OF HUMANE OFFICER.

Portland, Oregon, June 1, 1898.

To the Chief of Police, Portland, Oregon:

Sir—I beg to submit my report as Humane Officer of the city of Portland from July 1, 1897, to June 1, 1898:

Number of cases investigated .....120  
 Number of arrests ..... 16

## CRUELTY TO ANIMALS.

The following cases were discovered and suitable action taken therein:

Number of old and diseased animals killed..... 34  
 Number of horses worked with galled shoulders as lame..... 67  
 Number of horses removed from work..... 49  
 Visits to transportation yards and docks, daily.  
 Visits to commission houses, daily.  
 Visits to poultry houses, daily.

## CRUELTY TO CHILDREN.

Children were taken from their parents and turned over to the following homes:

Boys' and Girls' Aid Society ..... 12  
 Orphans' Home ..... 3  
 St. Mary's Home ..... 2  
 Baby Home ..... 2

J. F. RESING,  
 Humane Officer.

## INVENTORY OF REAL AND PERSONAL PROPERTY.

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

## MAIN OFFICE.

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

## REPORT OF CHIEF OF POLICE.

## CHIEF'S OFFICE.

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

## SECOND FLOOR.

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

## SECOND FLOOR.

## COMMISSIONERS' OFFICE.

1 Safe, containing tax sale records.....	\$	150.00
1 Clothes rack .....		2.50
1 Desk, Humane Officer .....		7.50
1 Desk, Clerk to Chief of Police, writing utensils.....		30.00
1 Stand-up desk .....		5.00
1 Writing table .....		15.00
1 Ohmes file case .....		10.00
1 Safe and health office records .....		125.00
1 Police Commissioners' record .....		10.00
1 Desk, roll top, Secretary of Commission .....		25.00
2 Sets of city charter and ordinances .....		5.00
1 City map, Lewis & Dryden .....		25.00
1 Copy city directory .....		5.00
6 Cases of birth and death records.....		6.00
149 Blue prints of city, for Tax Collecting Department.....		150.00
1 Heating stove and pipe .....		10.00
3 Electric light fixtures.		

## REPORT OF CHIEF OF POLICE.

4 Gas light fixtures .....		2.50
Blanks for Health Department .....		45.00
Blanks for Tax Collecting Department .....		20.00
Blanks for Police Commission .....		10.00

## THIRD FLOOR.

2 Carpets .....	\$	10.00
4 Stoves .....		20.00
3 Tables .....		3.00
1 Desk .....		5.00
1 Sofa .....		1.00
7 Cots, iron .....		21.00
9 Mattresses .....		9.00
8 Pairs blankets .....		32.00
7 Pillows .....		3.50
8 Chairs .....		4.00
1 Water cooler .....		1.00
1 Safe .....		10.00

## HEALTH COMMISSIONER'S REPORT.

Health Department, City of Portland, Oregon.

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

Gentlemen—I herewith present my annual report as Health Commissioner for the year ending December 31, 1897.

In submitting this report, it is my earnest desire to call your attention to some of the most urgent needs of the Health Department, and to impress you with the great necessity of framing laws that will result in the betterment of the general health of our city, and, at the same time, enable this department to better perform the service for which it exists.

The history of the past would bear out the statement that it is usual for cities to wait until they find themselves visited by an epidemic before they awaken to the necessity of providing measures that will guard them against, or, at least, tend to arrest the spread of disease, and that the procuring of such laws as would be productive of beneficent results is generally made difficult by a false sentiment engendered largely by those who are not practically familiar with the subject. In the absence of a national department of health and national health laws, which should exist, it becomes the duty of each state or municipal government to legislate in this regard for its own territory, and as there is no uniform procedure, slow progress has been made. However, the public is becoming too well informed upon sanitary matters, and too much interested, to allow ignorance or bigotry to stand longer in the way, and, as a result, we find many states and nearly all our cities living up to the situation and enacting more stringent and better laws, and the state or city that aims to keep up with the procession of progress must either make provisions that will benefit the public health by lessening the disease-breeding avenues, or fall in the rear. Our city should not be found lagging in this respect. We have been provided with a supply of water of which no other city can boast, and which, for quality and purity, cannot be excelled, although the expense incurred has been great, amounting to \$3,836,508. Yet the phenomenal decrease in the number of cases of typhoid fever, as well as the lowest death rate on record, following the introduction of this water, speak louder than any words of praise bestowed.

Dr. J. H. Girdner, of New York, in an article on the public health, published in the North American Review of December, 1897, says: "It

is well known now that one of the principal occasions of infection of human beings by tubercle bacilli is eating the flesh and drinking the milk of tuberculous cattle."

Since it is established that this is one of the principal occasions of infection of human beings, and we take into consideration the amount of meat and milk consumed by 89,000 people, all will agree that it is a matter of vast importance to all citizens to know the quality of such food, and they should have some assurance that it is not infected with disease germs. Therefore, the importance of having these articles of diet pure and wholesome cannot be overestimated.

When we remember the large number of children who succumb to cholera infantum yearly, caused by partly decomposed milk, the importance of purity in the milk supply is again recognized.

It is true that we have a state food law, under which milk is inspected to test its quality, but the herd of cattle from which the supply comes is not inspected. In my opinion, the present state law is a failure. Its enforcement is left in the discretion of the state food commissioner to such times as he may take a notion. These laws should not be made for the purpose of creating fees for an officer, nor should their enforcement be left in his discretion. They should be made to operate alike on all, and their enforcement uniform.

To cover the subject, I have drafted an ordinance providing for the inspection of milk and dairies and dairy cows, and to regulate the sale of milk in this city, and to punish and prohibit the sale of unwholesome milk. This ordinance would make it necessary for all persons desiring to sell or dispose of milk in the city to procure a permit from the Board of Health; and, in order to secure such permit, the person would have to furnish the Board with a certificate of a veterinarian or physician, certifying to the health of his herd and condition of his premises, and the Board of Health would have the privilege of examining his dairy at any time they might see fit, whether within the city limits or not.

It is of but little benefit to go about and test dairy products, unless we inspect the cattle and dairies from whence they come. Each herd of cattle should undergo veterinarian examinations at regular intervals, and dairy owners made to exercise extreme cleanliness about the dairies. In St. Paul, Minn., out of forty-eight dairymen's herds undergoing veterinarian inspection, 101 head of cattle were condemned.

I also recommend the passage of an ordinance to provide for the inspection of meats and markets in the city of Portland, and to prohibit and punish the sale of unwholesome and uninspected meat in said city. Such ordinance would prohibit the sale of any meat unless having the inspection stamp. It is essential that all meat offered for sale to the public should bear the stamp of inspection, in order to secure the consumer a fair and uniform standard of quality, and also as a pro-

tection against disease, which may be transmitted to them by the medium of meat.

There is no higher duty incumbent on those in whose keeping is placed the power of legislation than the protection of the lives and property of the people they have been called upon to represent. That the passage of these ordinances would be a step in that direction there is no doubt, and their enforcement would entail no additional expense to the city. Therefore, I recommend their enactment into law by this municipality, feeling confident that no better service could be rendered the people of this city than the passing and enforcement of such laws as will insure them the food that they must eat to sustain life is not infected with disease germs. If I succeed in impressing you and the public of the vital necessity of such legislation, I have accomplished my purpose. The reasons are cogent, the result can only be beneficial.

#### MORTALITY.

The general mortality for the year 1897 is 717, as compared with 884 for 1896, a decrease of 167 deaths. This reduction is almost entirely due to a decrease in deaths from infectious diseases. The total number of deaths from diphtheria during the year was 15, compared with 35 for 1896. There were no deaths from scarlet fever during the year. The mortality in typhoid fever continues about the same, there being 22 deaths during 1897, as compared with 25 during 1896. However, a large majority of these cases are shown to have been brought here for treatment. A large decrease is shown in the number of deaths from cholera infantum, there being 13 deaths during 1897, compared with 49 during 1896. A comparison with preceding years shows marked reduction in the number of deaths from tuberculosis.

Total number of deaths from tuberculosis:

During 1897 .....	96	During 1894 .....	147
During 1896 .....	112	During 1893 .....	143
During 1895 .....	117		

Estimating the population of the city at 89,000, the rate of mortality, exclusive of persons here for treatment, would be 6.35. This is the lowest rate ever made by the city, and it is doubtful if any other city in the United States can make as good a showing.

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

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



MORTALITY.

Statement of mortality in the city of Portland, for the year ending December 31, 1897, giving age, color, sex, nativities and social relations:

Month.	Age of Decedents.						Color.			Sex.		Social stat.		1896	1897	Nativities.				
	Under 1 year.....	1 to 5 years.....	5 to 20 years.....	20 to 40 years.....	40 to 60 years.....	60 to 80 years.....	White.....	Colored.....	Mongolian.....	Females.....	Males.....	Married, Widow or Widowers.....	Single, over 20 years.....	Single, under 20 years.....	Total number of deaths.....	Corresponding month.....	Foreign.....	Other states.....	Oregon.....	Here for Treatment.....
January .....	11	6	5	16	16	18	69	0	4	42	31	40	12	21	73	70	16	26	29	18
February .....	1	3	3	11	24	10	46	0	6	34	18	32	12	8	52	85	11	10	16	26
March .....	2	5	2	20	20	18	64	1	3	39	29	42	15	11	68	84	17	12	32	24
April .....	7	4	7	14	13	18	55	0	8	36	27	36	9	18	63	80	12	14	20	29
May .....	8	3	9	11	11	15	25	1	4	39	18	28	9	20	57	82	10	16	20	21
June .....	1	4	7	20	14	13	58	0	1	37	22	37	12	10	59	70	9	16	21	22
July .....	13	4	10	13	17	14	68	0	1	45	26	30	15	26	71	76	11	26	22	23
August .....	7	4	2	10	14	9	44	0	3	28	18	27	6	13	46	92	11	12	16	18
September .....	2	2	6	13	11	11	42	0	3	31	14	23	14	8	45	74	14	8	17	20
October .....	5	0	4	16	18	29	69	0	3	44	28	45	18	9	72	83	19	6	41	25
November .....	7	4	7	16	20	15	62	0	6	40	29	41	11	17	69	72	13	17	23	29
December .....	2	5	5	12	9	9	39	1	2	25	17	22	9	11	42	70	7	10	16	16
Totals .....	67	44	67	172	187	180	668	4	45	440	277	403	142	172	717	884	150	173	273	271

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 Hospital.....	Good Samaritan Hospital.....	Portland Hospital.....	Baby Home.....	Joss House.....	Lone Fir.....	Riverview.....	Mt. Calvary.....	Greenwood.....	Eeth Israel.....	St. Mary's.....	Poor Farm.....			Other Places.....
Jan. ....	8	8	0	2	1	38	8	6	5	0	0	0	4	10	12
Feb. ....	4	8	1	0	3	21	7	3	3	0	2	2	6	3	8
March ....	10	10	3	0	1	19	14	7	5	5	2	3	2	8	11
April ....	8	5	0	0	4	24	7	6	4	5	3	0	6	8	8
May ....	8	1	2	2	2	22	5	6	5	1	2	4	9	6	5
June ....	8	6	2	0	1	19	7	8	2	1	0	6	7	6	9
July ....	9	8	2	2	1	26	7	7	7	1	1	5	6	5	11
August ....	8	6	1	1	1	14	3	9	5	1	0	1	1	7	12
Sept. ....	8	3	2	0	1	19	2	9	4	1	1	0	1	7	9
Oct. ....	19	6	0	0	0	25	7	10	7	3	3	5	0	3	10
Nov. ....	6	14	0	1	1	32	4	7	3	0	3	1	4	5	15
Dec. ....	6	1	0	0	1	16	3	4	3	3	2	1	1	5	9
Totals ...	102	76	13	8	17	275	73	82	53	21	19	28	47	67	119

## ACTUAL MORTALITY, WITH ENUMERATION OF CAUSES.

Year Ending December 31, 1897.

Estimated population .....	89,000
Total deaths .....	717
Annual rate per 1,000.....	6.35
Resident deaths .....	567
Non-resident deaths .....	150

## COMMUNICABLE DISEASES.

Consumption .....	95	La Grippe .....	6
Croup, Membranous .....	1	Typhoid Fever .....	22
Diphtheria .....	17	Measles .....	1
Septicaemia .....	9	Whooping Cough .....	1

## GENERAL DISEASES.

Cancer .....	41	Marasmus (Inanition) .....	9
Diabetes .....	8	Rheumatism .....	3

## LOCAL DISEASES.

## DIGESTIVE SYSTEM.

Abscess, Liver .....	2	Hemorrhage of Bowels.....	2
Appendicitis .....	7	Hepatitis .....	1
Carcinoma .....	4	Inflammation of Stomach.....	4
Cholera Infantum .....	12	Inflammation of Bowels.....	3
Cirrhosis of Liver .....	8	Intestinal Catarrh .....	1
Enteritis and Entero-Colitis...	6	Obstruction of Bowels.....	6
Gastritis .....	2	Peritonitis .....	5

## RESPIRATORY SYSTEM.

Asthma .....	3	Emphysema .....	5
Bronchitis .....	6	Hemorrhage, Lungs .....	2
Congestion, Lungs .....	1	Pneumonia .....	52
		Oedema of Lungs .....	1

## CIRCULATORY SYSTEM.

Aneurism .....	3	Gangrene .....	2
Angina Pectoris .....	7	Haemophilia .....	2
Cardiac Asthemia .....	1	Heart, Paralysis .....	4
Embolism .....	1	Heart, Valvular .....	71
Endocarditis .....	3	Pernicious Anemia .....	4

## NERVOUS SYSTEM.

Abscess, Brain .....	6	Meningitis, Cerebro-spinal ....	13
Apoplexy .....	23	Meningitis, Tubercular .....	6
Convulsions .....	11	Softening of Brain .....	2
Hemorrhage, Cerebral .....	3	Paralysis .....	17
Hydrocephalis .....	3	Spina Befida .....	1
Locomotor Ataxia .....	2		

## GENITO-URINARY SYSTEM.

Addison's Disease .....	1	Diabetic Gangrene .....	2
Bright's Disease .....	24	Hodgkin's Disease .....	1
Cystitis .....	2	Uraemia .....	16

## UNCLASSIFIED.

Abscess .....	2	Homicide .....	5
Accident .....	34	Jaundice .....	4
Ascites .....	1	Malnutrition .....	2
Asphyxiation .....	1	Morphinism, Chronic .....	3
Colic .....	1	Old Age .....	12
Childbirth .....	2	Pleurisy .....	1
Exhaustion .....	2	Pyæmia .....	3
Exposure .....	1	Suffocation .....	1
General Debility .....	8	Surgical Shock .....	13
Hemorrhage .....	2	Syphalis .....	2

## COMPARATIVE MORTALITY RECORD.

City.	Estimated Population.	Death rate per annum.
Chicago, Illinois .....	1,750,000	13.73
St. Louis, Missouri .....	623,000	14.76
St. Paul, Minnesota .....	215,000	8.84
Denver, Colorado .....	167,000	10.71
Salt Lake, Utah .....	70,000	8.40
Omaha, Nebraska .....	140,000	6.87
Minneapolis, Minnesota .....	225,000	8.34
Nashville, Tennessee .....	87,000	17.92
Seattle, Washington .....	70,000	8.40
Lincoln, Nebraska .....	50,000	6.48
Kansas City, Missouri .....	200,000	8.34
San Francisco, California .....	330,000	18.84
Los Angeles, California .....	100,000	17.82
Grand Rapids, Michigan .....	90,000	10.40
Lowell, Massachusetts .....	85,000	20.75
Hartford, Connecticut .....	72,000	15.51
Buffalo, New York .....	315,000	10.50
Oakland, California .....	60,000	12.22
Portland, Oregon .....	89,000	6.35

## CONTAGIOUS DISEASES.

In comparison with previous years, a marked decrease is noted in the number of cases of diphtheria and scarlet fever reported, while a large increase in the number of cases of measles is shown. I wish to state that physicians have been more prompt in reporting contagious and infectious diseases to this department. All such cases are immediately reported to the school superintendent and city physician. The latter is to be commended for the systematic and energetic methods pursued in handling this work, which has undoubtedly been the means of preventing a spread in many cases.

The following table shows the number of contagious and infectious diseases reported for the year, also a comparison with the totals for 1896:

MONTH.	Diphtheria.	Scarlet Fever.....	Typhoid Fever.....	Measles.....	Chicken pox
January .....	29	4	14	8	1
February .....	20	3	7	35	2
March .....	12	12	3	157	5
April .....	10	1	4	223	1
May .....	8	0	5	113	0
June .....	17	3	4	35	1
July .....	4	2	4	11	1
August .....	2	2	3	2	0
September .....	17	2	2	1	0
October .....	11	3	18	3	0
November .....	14	7	7	0	0
December .....	7	12	5	3	0
Total, 1897 .....	151	51	74	591	11
Total, 1896 .....	219	157	59	84	6

## INDEXING MORTUARY RECORDS.

Arrangement has been made and the work will soon begin of indexing the mortuary records of this department. This was found necessary from the frequent applications made for copies of back records, and, owing to the manner in which the same were formerly kept, it made it an endless task, and often necessitated going through the entire records to find a particular original entry. This new method will render it an easy matter to refer to the record of any person who died within the municipality by referring to the index. As the records increase every year, the work and expense of indexing would be correspondingly greater the longer delayed. I am pleased to state that this work will be completed at a cost to the city of but \$30, which will be the cost of the books necessary. These books should last for at least 10 years.

## MARRIAGES.

Marriage licenses issued during the year were as follows:

January .....	40	July .....	45
February .....	43	August .....	46
March .....	34	September .....	55
April .....	33	October .....	57
May .....	38	November .....	64
June .....	51	December .....	57
Total .....			563

## BIRTHS.

Table showing total number of births reported during the year; also sex, color and number of twin, premature and still births:

Month.	Total number Reported.....	Male.....	Female.....	White.....	Colored.....	Mongolian.....	Twin Births.....	Premature and Still Births.....
January .....	114	53	61	114	.....	.....	.....	6
February .....	76	48	28	75	1	.....	.....	2
March .....	107	55	52	106	.....	1	1	9
April .....	83	58	25	79	2	2	1	5
May .....	60	36	24	60	.....	.....	.....	5
June .....	98	56	42	96	1	1	1	6
July .....	94	51	43	93	.....	1	.....	6
August .....	107	46	61	106	.....	1	1	5
September .....	92	43	49	92	.....	.....	.....	8
October .....	89	41	48	88	.....	1	1	8
November .....	73	41	32	73	.....	.....	.....	4
December .....	90	54	36	90	.....	.....	1	9
Total, 1897 .....	1083	582	501	1072	4	7	7	73

## CITY GARBAGE.

The question of how to dispose of city garbage, which had been the cause of much annoyance and great expense to the city, has been finally settled by the adoption of the new Engle crematory. The garbage of the city is now disposed of by incineration. A large saving will thereby be effected to the city, as the comparison of the figures below will show:

The average cost per month for disposing of garbage during the year 1896 under the old method was \$951.45. The average cost per month for the last five months of 1897, under the new method, has been \$469.89; making a saving of \$481.56 per month.

The amount paid for disposing of garbage, under the old method, during the last five months of 1896, was \$5,310.54; the amount paid under the new method for last five months of 1897 was \$2,349.47; saving to the city, \$2,961.07. Paid for crematory site, \$7,500; paid for construction of crematory, \$15,000; paid for construction of plank road, laying mains and other improvement, \$2,170.79; total cost, \$24,670.79.

The new method should save the city an average of at least \$5,000 per year, and this would in a few years reimburse the city for the original cost.

This department has endeavored to compel all scavengers to convey their collections to the crematory. Warning notices have been posted in various parts of the city forbidding the dumping of garbage or rubbish on vacant premises, and several arrests have been made and the offenders punished.

## COST OF CREMATORY.

Cost of disposing of city garbage during the years of 1896 and 1897, and showing saving effected by introduction of the new Engle crematory:

	1896.	1897.
January .....	\$ 709.00	\$1,151.94
February .....	773.70	1,041.49
March .....	708.50	990.00
April .....	704.50	993.00
May .....	816.98	990.00
June .....	1,168.78	987.00
July .....	1,226.00	1,006.88
August .....	1,156.00	468.78
September .....	1,084.12	468.78
October .....	1,046.42	386.90
November .....	1,000.00	551.97
December .....	1,015.00	474.04
Totals .....	\$11,417.50	\$9,509.78

## BACTERIOLOGIC LABORATORY.

Every well-regulated city should maintain a bacteriologic laboratory, where the nature of a doubtful infection can be easily determined. Such laboratory is a necessary adjunct, and would be a great service to this department, and render much aid to medical men in diagnosing diseases. The expense incident would be small in comparison to the good it would accomplish. There are but few progressive cities in the United States that do not provide both bacteriologic and chemical laboratories for their health departments.

This department is in urgent need and should be provided with formaldehyde disinfectors and disinfection carried on under municipal regulation. The workman cannot perform his labor without the necessary implements; so this department is placed at a great disadvantage without the necessary apparatus to perform its service.

In order to secure the best service possible in the reporting of contagious diseases, I recommend that printed postal cards be furnished

to physicians by this department for such reports as a substitute for the present blanks used for such purpose. I would further recommend that the present health ordinance be amended so as to allow the posting of a placard in front of houses infected with contagion and providing for the burial of persons whose death was caused by smallpox, diphtheria, scarlet fever, or Asiatic cholera within 24 hours after death, and prohibiting public funerals in all such cases.

#### SMALLPOX HOSPITAL.

Another most important matter, which it is my duty to call to your attention, is the necessity of providing a pesthouse for smallpox patients. Should our city at any time be so unfortunate as to be visited by smallpox, we would be without a place to remove afflicted persons. The buildings used for such purposes in former years, located on the poor farm, were destroyed by order of the county judge, and, while our city is at present in a most healthy condition, and, it is hoped, may continue so, yet we should at all times be prepared to protect our citizens against a spread of disease.

#### SEWERS.

During the past year public sewers have been extended 10,019 feet, and 426 connections have been made thereto. Although the expense of sewer construction has been made easy through the ability of the property-owners to pay assessments by installments, under the bonding act, yet, whenever it is proposed to construct a sewer, immediately there arises opposition to such improvement.

The time has come when cesspools and vaults should not be permitted in a city like ours. They are a relic of the village. The maintaining of such should be declared a public nuisance, except in remote parts of the city, and then only by permission of the board of health.

In the past the only means this department has had in which to find where such nuisances were located has been through complaints made by citizens, and in this way often found in property which has been for years within the limits of a sewer. In order to locate and remove such nuisances from all parts of the city, I have advocated an inspection of every lot and block in the city by inspectors, and have recently succeeded, through the honorable board of police commissioners, in having two officers of the police department for such work. Every part of the city will be gone over by these inspectors without extra expense to the city, as said officers are already employed and paid by the police department.

That where filth accumulates disease breeds is proven by the fact that the large majority of contagious and infectious diseases are reported from the districts where sewerage is yet unprovided. A system which does not operate on all alike is no system. Thus it appears that Jones should be compelled to pay for a sewer in the street abutting on his property and connect thereto, while Smith, living directly back of him, has no sewer, but maintains a vault, which is separated only by a fence from Jones' yard. This is the case in many parts of East Portland, and to overcome this, this department will in the near future present petitions recommending the construction of sewers where such conditions prevail. Your honorable body are to be commended for the aid you have given in granting petitions upon the application of one property-owner where the same was shown to be needed, and I trust you will not relax in your efforts until every part of the city is properly supplied with sewers.

TABLE

Showing total number of nuisances reported to health department; also abatements of same during year ending December 31, 1897:

Month.	Premises Inspected.....	No Cause for Complaint.....	Waiting Notices Posted.....	Houses Flagged.....	Notices Served on General Public.....	Notices Served on Plumbing Insp.....	Notices Served on Other City Officials.....	Notices Served on General Public.....	Abatements, Other City Officials.....	Abatements, Plumbing Insp.....	Abatements, General Public.....	Abatements, Other City Officials.....	Abatements, Other City Officials.....
January .....	168	4	13	43	91	14	0	160	9	9	20	2	0
February .....	90	0	3	10	72	23	2	99	20	2	22	1	2
March .....	91	2	0	7	45	25	3	41	22	1	5	1	5
April .....	123	4	5	3	71	52	7	59	21	5	5	5	5
May .....	63	5	4	0	42	25	5	60	23	4	4	3	3
June .....	71	7	2	1	51	16	4	45	12	4	4	3	3
July .....	101	3	6	1	97	12	2	95	12	3	4	3	3
August .....	130	6	10	1	86	36	3	61	28	3	4	3	3
September .....	126	4	7	7	91	16	4	75	13	4	4	3	4
October .....	130	7	3	0	63	17	6	53	15	5	4	3	4
November .....	99	3	2	4	59	12	4	56	9	4	4	3	4
December .....	121	5	6	5	81	18	2	76	14	4	4	3	4
Totals .....	1313	50	61	82	849	266	42	880	198	38	38	38	38

Respectfully submitted,

DAVID J. BEAKEY,  
Health Commissioner.

## REPORT OF INSPECTOR OF PLUMBING AND DRAINAGE.

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

Gentlemen—I have the honor to submit the following report of the

Department of Plumbing and Drainage for the year 1897:	
New buildings with entire new system of plumbing and drainage.	224
Old buildings with entire new system of plumbing and drainage.	212
Buildings in which the plumbing was remodeled and ventilated..	341
Buildings connected to cesspools outside of sewer limits.....	115
Cellar drains connected to the public sewer by permission.....	12
Reports of defective plumbing and drainage received.....	278
Reports of defective plumbing and unsanitary condition of prem- ises received from the Health Department.....	565
Abatements of defective plumbing returned to Health Department	537
Written notices served to improve the sanitary condition of plumb- ing and drainage .....	658
Improvements of plumbing and drainage after receiving verbal notice .....	180
Water from the roofs of buildings connected to the public sewer by permission .....	22
Written communications relating to unsanitary condition of prem- ises received .....	45
Inspection of plumbing and drainage.....	1,275
Inspection of unsanitary premises with defective plumbing and drainage .....	598
Licensed plumbers .....	43

During the year 1897, public sewers have been extended 10,019 feet, which furnishes drainage for 40½ blocks. The extension of public sewers for the past year, while less than in 1896, will be of great value to the healthfulness of the city, and lasting importance to the districts which they serve. The abatement of overflowing cesspools and open vaults is made possible and many of them have been filled up and connections made with sewers as promptly as the sanitary conditions of the premises demanded.

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

has been a source of relief to many, especially on the east side of the river. Many of the numerous petitions for sewer extensions have been brought about by orders to construct cesspools and connect the house drainage; while there have been 115 buildings connected to cesspools, many have objected to them and petitioned for sewers, and thereby made the improvement permanent.

The amendment to ordinance 9040, requiring all Chinese residents to provide cement flooring in their toilet-rooms, has been enforced as far as practicable, and has placed that portion of the city occupied by these people in a more sanitary and healthy condition than formerly, when wooden floors were used.

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

There has been an increase in the amount of remodeling and repair work, over the report of last year, which is important to the general health of the entire city.

There are within the city limits 28 public school buildings, which accommodate 11,890 pupils. From a recent examination made of these buildings, I find that most of them are supplied with all the modern fixtures pertaining to sanitary plumbing; others have been carefully remodeled, thus placing them in as good condition as the surroundings would permit, yet there remain a few of the buildings which will require the strictest care and watchfulness on the part of those in authority, until means are provided for doing away with the cement-lined vaults now used, and which are a menace to the health of the entire community.

The school buildings situated out of the sewer limits are provided with open vaults, located at a distance from the buildings, and receive as careful supervision as the circumstances of location will permit. There have been several cases of scarlet fever and typhoid fever reported by the teachers of these schools, which has occasioned some alarm, yet by the prompt use of sanitary measures in the homes, the public schools have been uninterrupted during the past year.

The school directors have been extremely vigilant and have expended considerable money during the year in remodeling and placing new plumbing fixtures in the buildings where most needed. I have found but little objection to the remodeling and repairs ordered, as the importance of sanitary improvements is better understood, more appreciated, and less difficult to secure. It is a source of satisfaction to

be able to report so many improvements in the sanitary condition of the city.

The following is a list of the sewer extensions for the year 1897:

Number of Ordinance.	Streets—From and To.	Material.....	Size in inches.....	Length in feet.....
10015	Tillamook st. from 145 ft. w. of the w. line Rodney ave. to sewer in Williams ave.....	T. C.	8	495
10185	Vancouver ave. from 150 ft. n. of n. line of Page st. to sewer in Vancouver ave.....	T. C.	8	260
10186	Tillamook st. from 175 ft. w. of w. line of Union ave. to sewer in Rodney ave.....	T. C.	8	436
10222	Quincy st. from 25 ft. s. of Halsey st. to sewer in East First st.....	T. C.	8	395
10223	East Thirty-second st. from 150 ft. s. of s. line of East Yamhill to sewer in East Yamhill..	T. C.	10	165
10251	East Eighth st. from s. line of East Stark st. to sewer in East Alder st.....	T. C.	10-8	497
10294	East Thirty-third st. from s. line of East Salmon st. to sewer in East Yamhill st.....	T. C.	10	534
10313	East Eighth st. from s. line of Belmont st. to East Yamhill st.....	T. C.	10	215
10314	East Eighth st. from c. line (25 ft. n.) of East Grant st. to sewer in Hawthorne ave.....	T. C.	14-12 10-8	1748
10315	Woods st. from 200 ft. w. of n. line of Third st. to Woods st. gulch at Water st.....	T. C.	12-10 8	1273
10336	Vaughn and Twenty-fifth from 200 ft. w. of Twenty-fifth st. to sewer in Wilson st.....	T. C.	12-8 12-10	478
10337	East Sixth st. from 175 ft. s. of s. line of East Yamhill to sewer in East Alder st.....	T. C.	8	992
10376	Northrup st. from 100 ft. e. of e. line of Twenty-first st. to sewer in Northrup st.....	T. C.	10-8	870
10419	Hood st. from s. line of blk. 82, Caruthers' add., to sewer in Corbett st.....	T. C.	8	588
10420	Crosby st. from s. line of Cherry st. to sewer in Crosby at 50 ft. s. Halsey.....	T. C.	10	550
10447	East Morrison st. from 100 ft. e. of e. line of E. Thirty-third to sewer in E. Thirty-fourth	T. C.	8	200
10448	Union ave. from 25 ft. s. of s. line of East Morrison st. to sewer in East Alder st.....	T. C.	8	325
	Total .....			10019

310 REPORT OF INSPECTOR OF PLUMBING AND DRAINAGE.

AREA OF CITY AND CONDENSED LIST OF PUBLIC IMPROVEMENTS.

Area of city in square miles.....	40
Number of acres .....	25,600
Appraised value of real estate .....	\$51,415,416
Estimated population (Polk's Directory) .....	89,000
Miles of street railway, electric .....	97
Capital stock, combined companies .....	\$2,750,000
Miles of sewerage .....	86.5
Miles of water mains .....	155.0
Cost of city water works .....	\$3,836,580
Cost of city hall .....	\$500,000
Cost of Chamber of Commerce .....	\$550,000
Cost of crematory and site .....	\$25,000
Cost of Marquam theater building .....	\$600,000
Cost of Oregonian building .....	\$500,000
Cost of Union depot .....	\$350,000
Cost of public library .....	\$150,000
Cost of Portland hotel.....	\$1,000,000
Number of street lights, electric arc .....	654
Number of street lights, electric incandescent .....	678
Number of telephones used in city .....	2,862
Number of newspapers, daily .....	5
Number of newspapers, weekly .....	30
Number of public schools .....	28
Number of private schools .....	17
Number of teachers employed by city .....	275
Number of pupils attending public schools.....	11,890
Number of churches .....	121
Number of public library volumes .....	23,000
Number of public hospitals, homes and asylums.....	23

INVENTORY OF PROPERTY IN THE OFFICE OF THE INSPECTOR OF PLUMBING AND DRAINAGE, DECEMBER 31, 1897.

1 Counter.	1 Blackboard.
1 City map.	2 Waste baskets.
2 Cuspidors.	1 Mirror, 10x17.
1 Wardrobe.	2 Inkstands.
2 Writing desks.	1500 Blanks of various kinds.
10 Office chairs.	1 Office safe.
1 Piece linoleum.	

Respectfully submitted,

JAMES H. MORROW,

Inspector of Plumbing and Drainage.

December 31, 1897.

WATER COMMITTEE'S REPORT.

RECEIPTS AND DISBURSEMENTS FROM JANUARY 1, TO MARCH 31, 1897.

GENERAL ACCOUNT.

1896—		
December 31, cash in hands of treasurer for report this date .....		\$ 48,689.65
RECEIPTS.		
1897—		
January 13, cash from operating department ....	\$ 13,172.52	
January 31, cash from operating department....	15,000.00	
February 27, cash from operating department....	15,000.00	
March 31, cash from operating department.....	14,500.00	57,672.52
Total .....		<u>\$106,362.17</u>

DISBURSEMENTS.

CITY WATER WORKS.

Voucher 2153—East Portland Water Co. for plant, franchise, etc.....		\$ 45,000.00
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GENERAL EXPENSE.

Voucher 2148—Frank T. Dodge, service clerk, October, November and December, 1896 .....	150.00	
Part Voucher 2152—City Water Works, per certified payrolls and vouchers...	143.75	
Part Voucher 2154—City Water Works, per certified payrolls and vouchers...	242.65	
Part Voucher 2156—City Water Works, per certified payrolls and vouchers...	233.00	
Voucher 2158—Frank T. Dodge, services as clerk, January, February and March, 1897 .....	150.00	919.40
Amount carried forward .....		<u>\$45,919.40</u>



Amount brought forward .....\$45,919.40

RIGHTS OF WAY, LAND, ETC.

Voucher 2149—L. T. Barin, attorney fees, land contests, May 7 to December 31, 1896.....	400.00	
Part Voucher 2152—City Water Works, per certified payrolls and vouchers...	50.73	
Part Voucher 2154—City Water Works, per certified payrolls and vouchers...	10.30	
Voucher 2155—W. Y. Masters, 160 acres land on Bull Run, two miles above head works .....	800.00	
Part Voucher 2156—City Water Works, per certified payrolls and vouchers...	21.66	
Voucher 2157—L. T. Barin, attorney fees, land contests, January 1 to March 31, 1897.....	191.00	1,473.69

RESERVOIRS.

Part Voucher 2152—City Water Works, per certified payrolls and vouchers...	270.60	
Part Voucher 2154—City Water Works, per certified payrolls and vouchers...	165.75	
Part Voucher 2156—City Water Works, per certified payrolls and vouchers...	135.30	571.65

DISTRIBUTION SYSTEM.

Voucher 2150—Crane & Jack Co., water gates, etc. ....	\$ 105.25	
Voucher 2151—Oregon Iron & Steel Co., cast iron tees, etc.....	61.24	166.49

SUBMERGED PIPE.

Part Voucher 2152—City Water Works, per certified payrolls and vouchers...	48.00	
Part Voucher 2154—City Water Works, per certified payrolls and vouchers...	60.00	
Part Voucher 2156—City Water Works, per certified payrolls and vouchers...	93.29	201.29
Total .....		<u>\$ 48,332.52</u>

RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer December 31, 1896, as above .....	\$ 48,689.65	
Cash from operating department during quarter..	57,672.52	\$106,362.17

DISBURSEMENTS.

City water works .....	\$ 45,000.00	
General expense .....	919.40	
Rights of way, land, etc.....	1,473.69	
Reservoirs .....	571.65	
Distribution system .....	166.49	
Submerged pipe .....	201.29	\$ 48,332.52
Balance in hands of treasurer March 31, 1897..		<u>\$58,029.65</u>

OPERATING ACCOUNT.

Balance in hands of operating department December 31, 1896 .....	\$ 13,172.52
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RECEIPTS.

Water Rates—Amounts earned and credited on the books.....	\$ 61,896.55	
Deduct amount due from city for quarter .....	7,998.25	\$ 53,898.30
Tapping mains .....	40.00	
Turning on water .....	48.50	
Rent .....	11.50	53,998.30
Total .....		<u>\$ 67,170.82</u>

DISBURSEMENTS.

Pipe line .....	\$ 866.76
Reservoirs .....	2,072.81
Repairs to mains .....	2,331.16
General expense .....	1,942.94
Office expense .....	1,374.52
Amount carried forward .....	<u>\$ 8,588.19</u>

Amount brought forward .....	\$	8,588.19	
Books and stationery .....		60.35	
Meters .....		150.35	
Loose property .....		189.00	
Palatine pumping station .....		307.90	
	\$	<u>9,295.79</u>	
Paid to general account, January 13, 1897 .....	\$	13,172.52	
Paid to general account, January 31, 1897 .....		15,000.00	
Paid to general account, February 27, 1897 .....		15,000.00	
Paid to general account, March 31, 1897 .....		14,500.00	
	\$	<u>57,672.52</u>	\$ <u>66,968.31</u>
Balance in hands of operating department, March 31, 1897 .....	\$		<u>202.51</u>

HENRY FAILING,  
Chairman Water Com.

FRANK T. DODGE, Clerk.  
Portland, Oregon, March 31, 1897.

RECEIPTS AND DISBURSEMENTS FROM APRIL 1 TO  
JUNE 30, 1897.

GENERAL ACCOUNT.

1897—	
March 31, cash in hands of treasurer, per report this date .....	\$ 58,029.65

RECEIPTS.

April 30, cash from operating department.....	\$ 15,000.00	
May 31, cash from operating department.....	15,500.00	
June 30, cash from operating department.....	18,000.00	\$ 48,500.00
Total .....		<u>\$106,529.65</u>

DISBURSEMENTS.

RIGHTS OF WAY, RIPARIAN RIGHTS AND LAND.

Voucher 2159—James Fegles, improvements, etc., claim in reservation, re- linquished .....	200.00	
Part Voucher 2160—City Water Works, per certi- fied payrolls and vouchers...	41.40	
Voucher 2162—L. T. Barin, attorney fees, land contests, April 1 to June 30, 1897 .....	375.00	
Part Voucher 2165—City Water Works, per certi- fied payrolls and vouchers...	17.05	\$ 633.45

DISTRIBUTION SYSTEM.

Part Voucher 2160—City Water Works, per certi- fied payrolls and vouchers...\$	204.35	
Voucher 2161—City Water Works, per certi- fied payrolls and vouchers...	1,920.48	
Part Voucher 2165—City Water Works, per certi- fied payrolls and vouchers...	3,394.91	\$ 5,519.74
Amount carried forward .....		<u>\$ 6,153.19</u>

Amount brought forward .....\$ 6,153.19

## GENERAL EXPENSE.

Voucher 2163—Frank T. Dodge, services as  
clerk, April, May and June,  
1897 .....\$ 150.00 \$ 150.00

## INTEREST ON BONDS.

Voucher 2164—Frank Hacheney, city treas-  
urer, amount deposited with  
him June 30, 1897, for paying  
semi-annual interest on \$2,-  
900,000 bonds issued to this  
date .....\$ 72,500.00 \$ 72,500.00

Total ..... \$ 78,803.19

## RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer March 31, 1897, as  
above .....\$ 58,029.65

Cash from operating department during quarter.. 48,500.00 \$106,529.65

## DISBURSEMENTS.

Rights of way, riparian rights and land.....\$ 633.45

Distribution system ..... 5,519.74

General expense ..... 150.00

Interest on bonds ..... 72,500.00 \$ 78,803.19

Balance in hands of treasurer June 30, 1897.. \$ 27,726.46

## OPERATING ACCOUNT.

Balance in hands of operating department March  
31, 1897 .....\$ 202.51

Amount carried forward .....\$ 202.51

Amount brought forward .....\$ 202.51

## RECEIPTS.

Water rates—  
Amounts earned and credited on the  
books .....\$67,130.30

Deduct amount due from city for  
quarter ..... 9,251.30 \$ 57,879.00

Tapping mains ..... 82.00

Turning on water ..... 48.50

Rent ..... 10.00 \$ 58,019.50

\$ 58,222.01

## DISBURSEMENTS.

Pipe line .....\$ 985.17

Reservoirs ..... 2,271.54

Repairs to mains ..... 1,559.57

General expense ..... 2,638.37

Office expense ..... 1,365.80

Books and stationery ..... 113.45

Meters ..... 86.60

Loose property ..... 265.16

Palatine pumping station ..... 345.98

\$ 9,631.64

Paid to general account, April 30.... \$15,000.00

Paid to general account May 31..... 15,500.00

Paid to general account June 30..... 18,000.00 \$ 48,500.00 \$ 58,131.64

Balance in hands of operating department  
June 30, 1897 ..... \$ 90.37

HENRY FAILING,  
Chairman Water Com.

FRANK T. DODGE, Clerk.  
Portland, Oregon, June 30, 1897.

RECEIPTS AND DISBURSEMENTS FROM JULY 1 TO  
SEPTEMBER 30, 1897.

## GENERAL ACCOUNT.

1897—  
June 30, cash in hands of treasurer, per report  
report this date ..... \$ 27,726.46

## RECEIPTS.

July 31, cash from operating department.....\$ 18,000.00  
August 31, cash from operating department..... 18,500.00  
September 30, cash from operating department... 18,000.00      54,500.00  
  
Total ..... \$ 82,226.46

## DISBURSEMENTS.

## DISTRIBUTION SYSTEM.

Part Voucher 2166—City Water Works, per certi-  
fied payrolls and vouchers...\$ 281.20  
Part Voucher 2167—City Water Works, per certi-  
fied payrolls and vouchers... 342.78  
Part Voucher 2171—City Water Works, per certi-  
fied payrolls and vouchers... 279.95      \$ 903.93

## RESERVOIRS.

Part Voucher 2166—City Water Works, per certi-  
fied payrolls and vouchers...\$ 370.85  
Part Voucher 2167—City Water Works, per certi-  
fied payrolls and vouchers... 836.52  
Part Voucher 2171—City Water Works, per certi-  
fied payrolls and vouchers... 1,160.88      2,368.25  
  
Amount carried forward .....\$ 3,272.18

Amount brought forward .....\$ 3,272.18

## GENERAL EXPENSE.

Part Voucher 2166—City Water Works, per certi-  
fied payrolls and vouchers...\$ 128.13  
Part Voucher 2167—City Water Works, per certi-  
fied payrolls and vouchers... 141.69  
Part Voucher 2171—City Water Works, per certi-  
fied payrolls and vouchers... 155.10  
Voucher 2170—Frank T. Dodge, services as  
clerk, July, August and Sep-  
tember, 1897 ..... 150.00      \$ 574.92

## RIGHTS OF WAY, LAND, ETC.

Voucher 2168—H. N. Scott, quitclaim deed to  
80 acres Sec. 23, T. 1 S., R. 4 E. \$ 60.00  
Voucher 2169—L. T. Barin, services as attor-  
ney in land cases, July 1 to  
September 30 ..... 257.45  
Part Voucher 2171—City Water Works, per certi-  
fied payrolls and vouchers... 5.62      323.07  
  
Total ..... \$ 4,170.17

## RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer June 30, 1897, as  
above .....\$ 27,726.46  
Cash from operating department during quarter.. 54,500.00      \$ 82,226.46

## DISBURSEMENTS.

Distribution system .....\$ 903.93  
Reservoirs ..... 2,368.25  
General expense ..... 574.92  
Rights of way, land, etc..... 323.07      4,170.17  
  
Balance in hands of treasurer September 30,  
1897 ..... \$ 78,056.29

## OPERATING ACCOUNT.

Balance in hands of operating department June  
30, 1897 ..... \$ 90.37

## RECEIPTS.

Water rates—  
Amounts earned and credited on the  
books ..... \$ 73,675.50  
Deduct amounts due from city for  
quarter ..... 10,427.70 \$ 63,247.80  
Tapping mains ..... 71.50  
Turning on water ..... 64.00  
Rent ..... 15.00 \$ 63,398.30  
Total ..... \$ 63,488.67

## DISBURSEMENTS.

Pipe line ..... \$ 1,152.54  
Reservoirs ..... 1,690.63  
Repairs to mains ..... 1,555.31  
General expense ..... 2,041.83  
Office expense ..... 1,360.70  
Books and stationery ..... 98.07  
Meters ..... 31.55  
Loose property ..... 252.04  
Palatine pumping station ..... 349.15  
High service pumping station ..... 158.38  
\$ 8,690.20  
Paid to general account July 31..... \$ 18,000.00  
Paid to general account August 31... 18,500.00  
Paid to general account September 30 18,000.00 \$ 54,500.00 \$ 63,190.20  
Balance in hands of operating department  
September 30, 1897..... \$ 298.47

HENRY FAILING,  
Chairman Water Com.

FRANK T. DODGE, Clerk.  
Portland, Oregon, September 30, 1897.

RECEIPTS AND DISBURSEMENTS FROM OCTOBER 1  
TO DECEMBER 31, 1897.

## GENERAL ACCOUNT.

1897—  
September 30, cash in hands of treasurer per  
report this date ..... \$ 78,056.29

## RECEIPTS.

October 31, cash from operating department..... \$ 16,500.00  
November 30, cash from operating department... 16,000.00  
December 31, cash from operating department... 15,944.12 \$ 48,444.12  
Total ..... \$126,500.41

## DISBURSEMENTS.

## RESERVOIRS.

Part Voucher 2173—City Water Works, per certi-  
fied payrolls and vouchers... \$ 1,018.60  
Part Voucher 2175—City Water Works, per certi-  
fied payrolls and vouchers... 859.90  
Part Voucher 2179—City Water Works, per certi-  
fied payrolls and vouchers... 872.56 \$ 2,751.06

## DISTRIBUTION SYSTEM.

Part Voucher 2173—City Water Works, per certi-  
fied payrolls and vouchers... \$ 561.65  
Part Voucher 2175—City Water Works, per certi-  
fied payrolls and vouchers... 112.15  
Part Voucher 2179—City Water Works, per certi-  
fied payrolls and vouchers... 220.10 \$ 893.90  
Amount carried forward..... \$ 3,644.96

Amount brought forward .....\$ 3,644.96

## RIGHTS OF WAY, LAND, ETC.

Voucher	2172—Fred W. Parker, improvements on claim in reservoir relinquished .....	\$ 75.00	
Voucher	2174—L. T. Barin, for A. L. and J. G. Parker, claim in reservoir relinquished .....	100.00	
Part Voucher	2175—City Water Works, deed from state for S. E. ¼ Sec. 34, T. 1 S., R. 5 E., 160 acres.....	443.00	
Part Voucher	2179—City Water Works, per vouchers for recording deed.....	3.75	
Voucher	2177—L. T. Barin, services as attorney in land cases, October 1 to December 31, 1897.....	371.50	\$ 993.25

## GENERAL EXPENSE.

Part Voucher	2173—City Water Works, per certified payrolls and vouchers...\$	126.78	
Part Voucher	2175—City Water Works, per certified payrolls and vouchers...\$	132.35	
Part Voucher	2179—City Water Works, per certified payrolls and vouchers...\$	126.08	
Voucher	2178—Frank T. Dodge, services as clerk, October 1 to December 31, 1897 .....	150.00	\$ 535.21

## INTEREST ON BONDS.

Voucher	2176—Frank Hacheny, city treasurer, amount deposited with him December 31, 1897, for paying semi-annual interest on \$2,900,000 bonds issued to this date .....	\$ 72,500.00	\$ 72,500.00
Total	.....		\$ 77,673.42

## RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer September 30, 1897,		
as above .....	\$ 78,056.29	
Cash from operating department during quarter..	48,444.12	\$ 126,500.41

## DISBURSEMENTS.

Reservoirs .....	\$ 2,751.06	
Distribution system .....	893.90	
Rights of Way, Land, etc. ....	993.25	
General expense .....	535.21	
Interest on bonds .....	72,500.00	\$ 77,673.42
Balance in hands of treasurer December 31, 1897 .....		\$ 48,826.99

## OPERATING ACCOUNT.

Balance in hands of operating department, September 30, 1897 .....	\$ 298.47
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## RECEIPTS.

Water rates—		
Amount earned and credited on the books .....	\$ 65,734.25	
Deduct amount due from city for quarter .....	9,387.90	\$ 56,346.35
Tapping mains .....		32.00
Turning on water .....		51.50
Rent .....		15.00
Total .....		\$ 56,444.85
Total .....		\$ 56,743.32

## DISBURSEMENTS.

Pipe line .....	\$ 877.10	
Reservoirs .....	1,734.60	
Repairs to street mains .....	1,830.61	
General expense .....	1,773.44	
Amount carried forward .....	\$ 6,215.75	\$ 56,743.32

Amount brought forward .....	\$ 6,215.75	\$ 56,743.32
Office expense .....	1,376.80	
Books and stationery .....	113.93	
Office furniture .....	4.25	
Meters .....	124.15	
Loose property .....	148.82	
Palatine pumping station .....	312.50	
High service pumping station .....	3.00	
	<u>\$ 8,299.20</u>	
Paid to general account October 31..	\$ 16,500.00	
Paid to general account November 30	16,000.00	
Paid to general account December 31	15,944.12	\$ 48,444.12
		<u>\$ 56,743.32</u>
No money in hands of operating department December 31, 1897.		

BOOKS OF THE WATER COMMITTEE OF THE CITY OF PORTLAND, OREGON, BALANCE SHEET, DECEMBER 31, 1897.

Income from Water Works .....	\$1,520,548.56
Bonds .....	2,900,000.00
Premium on bonds .....	222,200.70
Interest on bonds .....	\$ 742,124.17

COST OF PUMPING SYSTEM AND ADDITIONS THERETO.

Water works purchased -			
Dec. 31, 1886.....	\$464,551.81		
Deduct property sold..	4,560.48	\$459,991.33	
		<u>                    </u>	
East Portland Water Co.'s plant			
purchased January 13, 1897..	45,000.00		
		<u>                    </u>	
		\$504,991.33	
New Palatine pump...\$	74,097.72		
New high service pump	22,097.49		
New Palatine force main	159,726.31		
New pumping apparatus	13,516.66		
Improvement real estate, Fourth and Market streets....	3,748.95	\$273,187.13	\$ 778,178.46
		<u>                    </u>	
Distribution system, extending			
street mains .....		\$ 571,617.33	

BULL RUN GRAVITY SYSTEM.

Surveys and explorations.....\$	9,688.40		
Land, rights of way, etc.....	51,089.85		
Clearing and roads.....	33,046.35		
Head works on Bull Run river..	57,245.92		
Steel plates for conduit.....	377,312.30		
Manufacturing and laying ditto.	569,945.72		
Bridges for steel conduit.....	54,896.22		
		<u>                    </u>	
Amount carried forward....	\$1,153,224.76	\$2,091,919.96	\$4,642,749.26

Amount brought forward .....	\$1,153,224.76	\$2,091,919.96	\$4,642,749.26
Manufacturing and laying cast-iron conduit .....	288,588.70		
Submerged pipe across Willamette river .....	78,999.77		
Reservoirs (four) including land .....	879,387.92		
Portland Heights supply, pumps, etc. ....	30,896.87		
Telephone line to head works...	7,261.51		
General expense.....	\$49,798.49		
Legal expense .....	8,825.91		
Office expense .....	360.19		
Superintendence ....	4,658.19	\$ 63,642.78	\$2,502,002.31
Treasurer, balance in his hands December 31, 1897 .....		\$ 48,826.99	
Total .....		\$4,642,749.26	\$4,642,749.26

Balance on hand, net receipts for Dec., 1896... \$ 13,172.52

## CASH RECEIPTS.

Water rates .....	\$ 204,709.65		
Irrigation .....	11,640.90		
Elevators .....	13,805.05		
Building purposes .....	1,207.60		
Multnomah Driving Association.....	8.25		
Tapping mains .....	225.50		
Turning on water .....	212.50		
Rent of cottage, Tenth and Clifton street reservoir .....	51.50	\$ 231,860.95	
Total .....		\$ 245,033.47	

## CASH DISBURSEMENTS.

Pipe line .....	\$ 3,881.57		
Reservoirs .....	7,769.58		
Repairs to street mains .....	7,276.65		
General expense .....	8,396.58		
Office expense .....	5,477.82		
Books and stationery .....	385.80		
Amount carried forward .....	\$ 33,188.00	\$245,033.47	

Amount brought forward .....	\$ 33,188.00	\$245,033.47	
Office furniture .....	4.25		
Meters .....	392.65		
Loose property .....	855.02		
Palatine pumping station .....	1,315.53		
High service pumping station.....	161.38		
	\$ 35,916.83		
Paid to general account, net receipts for December, 1896....	\$ 13,172.52		
Paid to general account, net receipts for 1897, paid monthly .....	195,944.12	209,116.64	245,033.47
No money in hands of operating department at close of year.			

## SUMMARY.

On hand December 31, 1896—			
Property and fuel.....	\$ 8,425.68		
Net receipts for December, 1896.....	13,172.52	\$ 21,598.20	
Gross earnings for year 1897.....	\$ 268,826.10		
Less balance due from city for year 1897.....	37,065.15		
Net receipts for year 1897 .....		231,860.95	
Net expenses for 1897, after deducting property on hand .....	\$ 36,585.02		\$ 253,459.15
Paid to treasurer for interest on bonds .....	\$ 145,000.00		
Paid to treasurer surplus for construction .....	64,116.64	209,116.64	245,701.66
Property and fuel on hand December 31, 1897..			\$ 7,757.49



BOOKS OF THE CITY WATER WORKS, BALANCE SHEET,  
DECEMBER 31, 1896, BEFORE CLOSING.

Water rates .....	\$ 204,709.65	
Irrigation .....	11,640.90	
Elevators .....	13,805.05	
Building purposes .....	1,207.60	
Multnomah Driving Association.....	8.25	
Tapping mains .....	225.50	
Turning on water .....	212.50	
Rent of cottage, Clifton street reservoir...	51.50	
Municipal water rates .....	37,065.15	
Pipe line .....	\$ 3,881.57	
Reservoirs .....	7,769.58	
Repairs to street mains .....	7,276.65	
General expense .....	8,396.58	
Office expense .....	5,477.82	
Books and stationery .....	385.80	
Office furniture .....	286.69	
Meters .....	3,827.96	
Loose property .....	4,866.00	
Palatine pumping station .....	2,003.73	
High service pumping station.....	170.13	
Treasurer .....	923,424.39	
Cash .....		
City of Portland .....	197,094.85	
Profit and loss .....		895,935.65
	<u>\$1,164,861.75</u>	<u>\$1,164,861.75</u>

BALANCE SHEET AFTER CLOSING YEAR 1897.

Loose property .....	\$ 3,686.91	
Meters and indicators .....	3,445.17	
Office furniture .....	124.41	
Palatine pumping station.....	496.00	
High service pumping station...	5.00	\$ 7,757.49
Treasurer .....		778,424.39
City of Portland .....		197,094.85
Profit and loss .....		\$ 983,276.73
	<u>\$ 983,276.73</u>	<u>\$ 983,276.73</u>

TOTAL RECEIPTS AND DISBURSEMENTS BY THE WATER  
COMMITTEE FOR THE YEAR ENDING

DECEMBER 31, 1896.

1896—	
December 31, balance in hands of treasurer	
per report this date .....	\$ 48,689.65

RECEIPTS.

1897—	
Income from Water Works—	
Cash from operating dept. for Dec., 1896.....	\$ 13,172.52
Cash from operating dept. for 1st quarter, 1897	44,500.00
Cash from operating dept. for 2d quarter, 1897	48,500.00
Cash from operating dept. for 3d quarter, 1897	54,500.00
Cash from operating dept. for 4th quarter, 1897	48,444.12
	209,116.64
Total .....	\$ 257,806.29

DISBURSEMENTS.

Water Works, East Portland Water Co., for plant, franchises, etc. Purchased Jan. 13, 1897, and operated after Feb. 1, 1897.....	\$ 45,000.00	
Construction—		
Reservoirs .....	\$ 5,690.96	
Distribution system .....	7,484.06	
Land, rights of way, etc.....	3,423.46	
Submerged pipes across Willam- ette river .....	201.29	
General expense .....	2,179.53	18,979.30
Interest for year 1897 on \$2,900,000 bonds at 5 per cent. ....	\$ 145,000.00	
Total disbursements .....		\$ 208,979.30
Balance in hands of treasurer Dec. 31, 1897....		\$ 48,826.99

# STATEMENT

Of all the Earnings, Receipts and Disbursements by the Water Committee of the City of Portland, Oregon, and the Sub-Committee on Water Works, operating the works  
November 25, 1885, when the Committee was appointed by Act of the Legislature, until December 31, 1897.

EARNINGS AND RECEIPTS	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	Totals	Totals	Grand Total
Gross earnings of Water Works.....	\$.....	\$ 97,502.71	\$ 113,092.06	\$ 148,106.31	\$ 181,310.40	\$ 238,217.95	\$ 261,330.30	\$ 249,228.82	\$ 294,066.45	\$ 268,492.65	\$ 249,919.90	\$ 268,926.10	\$2,310,793.65	\$.....	\$.....
Deduct due from city for water for Fire Department, etc.....						24,000.00	24,029.45	21,728.00	23,889.00	32,535.20	33,848.05	37,065.15	197,094.85		
Cash receipts of Water Works.....		97,502.71	113,092.06	148,106.31	181,310.40	214,217.95	237,300.85	227,500.82	210,177.45	235,957.45	216,071.85	231,860.95	2,113,698.80		
Deduct operating expenses and repairs		47,000.77	54,792.44	51,407.17	71,496.85	63,993.28	58,892.27	63,357.32	62,094.28	38,939.27	36,894.08	36,585.02	585,392.75		
		50,501.94	58,899.62	96,089.14	109,813.55	150,224.67	178,468.58	164,143.50	148,083.17	197,018.18	179,177.77	195,275.93	1,528,306.05		
Deduct increase of property in hands of operating department.....		3,277.31	3,170.03	322.98	8,515.49	2,928.36	1,400.13	b 3,594.91	b 6,924.66	325.70	12,177.77	b 18,840.71	7,757.49		
Net income from Water Works.....		47,224.63	55,729.59	96,376.16	101,298.06	147,293.31	177,068.45	167,738.41	155,007.83	196,692.48	167,000.00	209,116.64	1,520,548.56		
Deduct interest on bonds.....		25,000.00	25,000.00	30,000.00	30,000.00	35,000.00	35,000.00	40,449.50		139,986.30	145,000.00	145,000.00	742,124.17		
Net earnings used for extending mains and construction.....		22,224.63	30,729.59	66,376.16	67,548.06	112,296.31	142,068.45	127,288.91	67,069.46	56,706.18	22,000.00	64,116.64	778,424.39		
Water bonds sold.....	500,000.00			100,000.00	100,000.00			450,000.00	1,450,000.00	300,000.00			2,900,000.00		
Premium on bonds.....	39,300.00			5,908.20	9,750.00				135,742.50	39,000.00			* 222,200.70		
Totals.....	539,300.00	22,224.63	30,729.59	172,284.36	177,298.06	112,296.31	142,068.45	* 569,788.91	1,652,811.96	395,706.18	22,000.00	64,116.64	3,900,000.00		
<b>DISBURSEMENTS</b>															
Water Works purchased.....	464,551.81												45,000.00	509,551.81	
Additional pumps and main from Palestine.....			12,279.06	42,026.85	192,322.78	26,558.44							273,187.13		
	464,551.81		12,279.06	42,026.85	192,322.78	26,558.44							782,738.94		
Deduct property sold.....			1,500.00	100.00	16.00	834.48	300.00	125.00			1,685.00		4,569.48		
Net cost of pumping system.....	464,551.81		10,779.06	41,926.85	192,306.78	25,723.96							45,000.00		
Distribution system, extending mains.....	560.00	33,939.71	14,273.49	114,068.46	7,856.54	54,377.08	105,464.97	15,843.88	151,053.66	61,659.90	5,035.58	7,484.06	a 778,178.46	571,617.33	
<b>BULL RUN GRAVITY SYSTEM</b>															
Surveys and explorations.....	7,850.73			426.00		630.70	272.57	508.40					9,688.40		
Land, riparian rights and rights of way	936.85		23,336.01	337.00		12,820.73	1,213.35	1,744.80	5,278.75	613.00	1,385.90	3,423.46	51,089.85		
Clearing and roads.....	125.00	324.25				41.60	16,574.09	15,649.71	331.70				33,046.35		
Head works on Bull Run river.....	7,180.10	2,499.89	1,500.00					36,406.98	8,656.17	253.00	749.78		57,245.92		
Steel plates for conduit, head works to Mt. Tabor, 24 miles.....										16.00			377,312.30		
Manufacturing and laying ditto.....										2,245.36			569,945.72		
Bridges for conduit across Sandy and Bull Run rivers.....								10,551.36	44,334.86		10.00		54,896.22		
Manufacturing and laying cast iron conduit, Mt. Tabor to Park, 6 miles.....								357.35	261,051.42	27,179.93			288,588.70		
Submerged pipe across William's river.....				579.76		962.90	21,078.25	6.05	63,884.47	14,907.96		201.29	78,999.77		
Reservoirs (4) including land.....								41,309.73	678,134.29	122,568.09	9,003.94	5,630.96	879,387.92		
Portland Heights supply, water power pumps, etc.....									7,349.09	22,748.58	799.20		30,896.87		
Telephone line to head works, 30 miles.....	4,223.36	16,832.43	2,136.29	1,760.45	1,095.92	5,076.07	853.65	6,860.00	401.51				7,261.51		
General expenses.....								10,187.64	10,797.66	6,262.90	2,236.88	2,179.53	63,612.78		
Totals.....	\$ 485,427.85	\$ 53,596.28	\$ 52,024.85	\$ 150,098.52	\$ 201,250.24	\$ 99,633.04	\$ 145,156.88	\$ 527,772.98	\$ 1,736,397.14	\$ 257,192.04	\$ 70,259.98	63,979.30	\$3,851,798.10		

\* After deducting from account "Premium on Bonds" \$7,500, being 2½ per cent discount on bonds sold in 1893.  
 † After deducting from account "Steel Plates" \$1,262.68 for steel plates sold in 1895.  
 ‡ After deducting from account "Water Works" amounts received for property sold as above.  
 a After deducting from account "Premium on Bonds" \$7,500, being 2½ per cent discount on bonds sold in 1893.  
 b Add for decrease of property in hands of operating department.

Balance in the hands of Treasurer, December 31, 1897. Appropriated for construction during 1898:  
 Amounts invested are: \$778,178.46 for purchase of pumping systems and additions, \$571,617.33 for extending distribution system, \$2,502,002.31 for Bull Run gravity system and \$48,826.99 balance, as above. Total.....

SUMMARY.

Total amount of investment up to Dec. 31, 1896		\$3,836,508.45
Deduct funds in hands of treasurer Dec. 31, 1896; appropriated for use in 1897, \$45,000 for purchase of East Portland Water Co.'s plant and the remainder towards payment of disputed claims and construction.....		48,689.65
Amount invested in plant up to Dec. 31, 1896..		\$3,787,818.80
Disbursements during 1897 as above.....	\$ 208,979.30	
Less interest on bonds .....	145,000.00	\$ 63,979.30
		<u>\$3,851,798.10</u>
Amount invested in plant up to Dec. 31, 1897..		
Add funds in hands of treasurer Dec. 31, 1897, appropriated for use in 1898 towards laying an additional submerged pipe, and other construction purposes .....		\$ 48,826.99
Total amount of investment up to Dec. 31, 1897		\$3,900,625.09
The above amount has been realized as follows:		
Bonds sold .....	\$2,900,000.00	
Premium on bonds .....	222,200.70	
Net income from Water Works..	\$1,520,548.56	
Less interest on bonds .....	742,124.17	778,424.39
		<u>\$3,900,625.09</u>

Water bonds sold to date—	
700 bonds (1 to 700) dated Jan. 1, 1897, maturing January 1, 1917.....	\$ 700,000.00
2200 bonds (1 to 2200) dated July 1, 1893, maturing July 1, 1923 .....	\$2,200,000.00
Total water bonds of the city outstanding to date at 5 per cent.....	<u>\$2,900,000.00</u>

HENRY FAILING,  
Chairman Water Com.

FRANK T. DODGE, Clerk.  
Portland, Oregon, December 31, 1897.

SCHEDULE OF PROPERTY PURCHASED BY THE WATER COMMITTEE OF THE CITY OF PORTLAND, AND NOW IN ITS CHARGE.

Seventh and Lincoln, block 32.....	1.00 acre
Tenth and Clifton, block 235 .....	1.26 acres
Fourth and Market, block 150 .....	.25 acre
Foot Sherman Street .....	.50 acre
Palatine Hill .....	21.00 acres
Near City Park .....	6.83 acres
Foot of Stephens Street, East Side .....	.60 acre
High Service Reservoir, Mount Tabor.....	5.75 acres
Low Service Reservoir, Mount Tabor.....	10.00 acres
Headworks and vicinity .....	4,120.00 acres
In Hoffman Tract, near Lusted's .....	.50 acre
Total .....	4,167.69 acres

HENRY FAILING,  
Chairman Water Committee.

FRANK S. DODGE, Clerk.

Portland, Oregon, December 31, 1897.

## REPORT OF MUNICIPAL JUDGE.

Office of the Municipal Judge of the City of Portland, Oregon,  
January 1, 1898.

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 1897, from the city and state cases tried in the municipal court. The following is a summary given by months:

JANUARY, 1897.		
State cases.....\$238.00	City cases.....\$102.00	Total.....\$340.00
FEBRUARY, 1897.		
State cases.....\$106.00	City cases.....\$112.00	Total.....\$218.00
MARCH, 1897.		
State cases.....\$392.50	City cases.....\$157.00	Total.....\$549.50
APRIL, 1897.		
State cases.....\$ 95.00	City cases.....\$112.00	Total.....\$207.00
MAY, 1897.		
State cases.....\$182.50	City cases.....\$109.00	Total.....\$291.50
JUNE, 1897.		
State cases.....\$ 87.50	City cases.....\$172.90	Total.....\$260.40
JULY, 1897.		
State cases.....\$157.00	City cases.....\$186.00	Total.....\$343.00

## REPORT OF MUNICIPAL JUDGE.

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AUGUST, 1897.		
State cases.....\$175.00	City cases.....\$115.00	Total.....\$290.00
SEPTEMBER, 1897.		
State cases.....\$ 87.40	City cases.....\$140.00	Total.....\$227.40
OCTOBER, 1897.		
State cases.....\$ 90.00	City cases.....\$ 88.00	Total.....\$178.00
NOVEMBER, 1897.		
State cases.....\$ 55.00	City cases.....\$ 70.00	Total.....\$125.00
DECEMBER, 1897.		
State cases.....\$125.00	City cases.....\$ 41.00	Total.....\$166.00
Total for year 1897.....		\$3,195.80

Respectfully,

ALEX. SWEET,  
Municipal Judge of the City of Portland.

ANNUAL REPORT OF LICENSE INSPECTOR FOR THE YEAR ENDING DECEMBER 31, 1897.

Business.	First Quarter		Second Quarter		Third Quarter		Fourth Quarter		Totals.	
	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.
Auctioneers .....	6	\$ 226.65	5	\$ 173.35	4	\$ 133.35	10	\$ 306.75	25	\$ 840.10
Bill Posters .....	2	50.00	2	50.00	4	63.35	3	75.00	11	238.35
Bowling Alleys .....	3	11.65	5	18.35	13	56.65	14	101.70	35	188.35
Billiards .....	7	50.00	5	45.00	8	50.00	6	40.00	26	185.00
Coaloil Dealers .....	6	45.00	6	35.00	5	32.00	5	32.00	22	144.00
Drays .....	26	78.00	29	87.00	31	92.00	30	90.00	116	347.00
Express (single) .....	122	351.00	127	364.00	130	375.00	142	408.00	521	1,498.00
Express (double) .....	69	336.95	69	331.75	69	325.35	67	330.00	274	1,324.05
Express Companies .....	3	75.00	3	75.00	3	75.00	37	75.00	12	300.00
Employment Agents .....	4	55.00	3	45.00	4	50.00	4	60.00	15	210.00
Grading Teams .....	16	54.98	9	31.80	4	8.30	16	50.10	45	145.18
Hacks .....	30	150.00	30	148.35	26	126.00	28	135.00	114	559.35
Hack Drivers .....	28	28.00	2	2.00	1	1.00	3	3.00	34	34.00
House Movers .....	3	80.00			2	26.70	1	40.00	6	146.70
Hawkers, First Class .....	51	643.35	55	800.00	52	735.00	46	650.00	204	2,828.35
Hawkers, Second Class .....	15	141.65	18	173.35	17	166.65	12	120.00	62	601.65
Hawkers, First Class, General .....			4	40.00					4	40.00
Hawkers, Second Class, General .....	2	13.30	1	3.35			1	3.35	4	20.00
Insurance Agents .....	86	830.00	94	920.05	85	843.35	79	776.70	344	3,370.10
Laundries (hand) .....	52	390.00	54	405.00	48	360.00	49	362.50	203	1,517.50
Laundries (steam) .....	7	100.00	7	105.00	7	105.00	7	105.00	28	415.00
Miscellaneous .....	3	20.00	8	71.65	9	220.00	10	105.00	30	416.65
Nickel-in-the-Slot Machines .....			135	573.80	27	135.00			162	708.80
Oil Wagons .....	12	120.00	7	70.00	7	70.00	10	86.70	36	346.70
Omnibuses .....	2	10.00	2	10.00	2	10.00	3	15.00	9	45.00
Peddlers, Fourth Class .....	18	95.00	15	67.50	18	82.50	14	102.50	65	347.50