

12-1-1899

Mayor's Message and Municipal Reports of the City of Portland, Oregon 1899

Portland (Or.). Office of the Mayor

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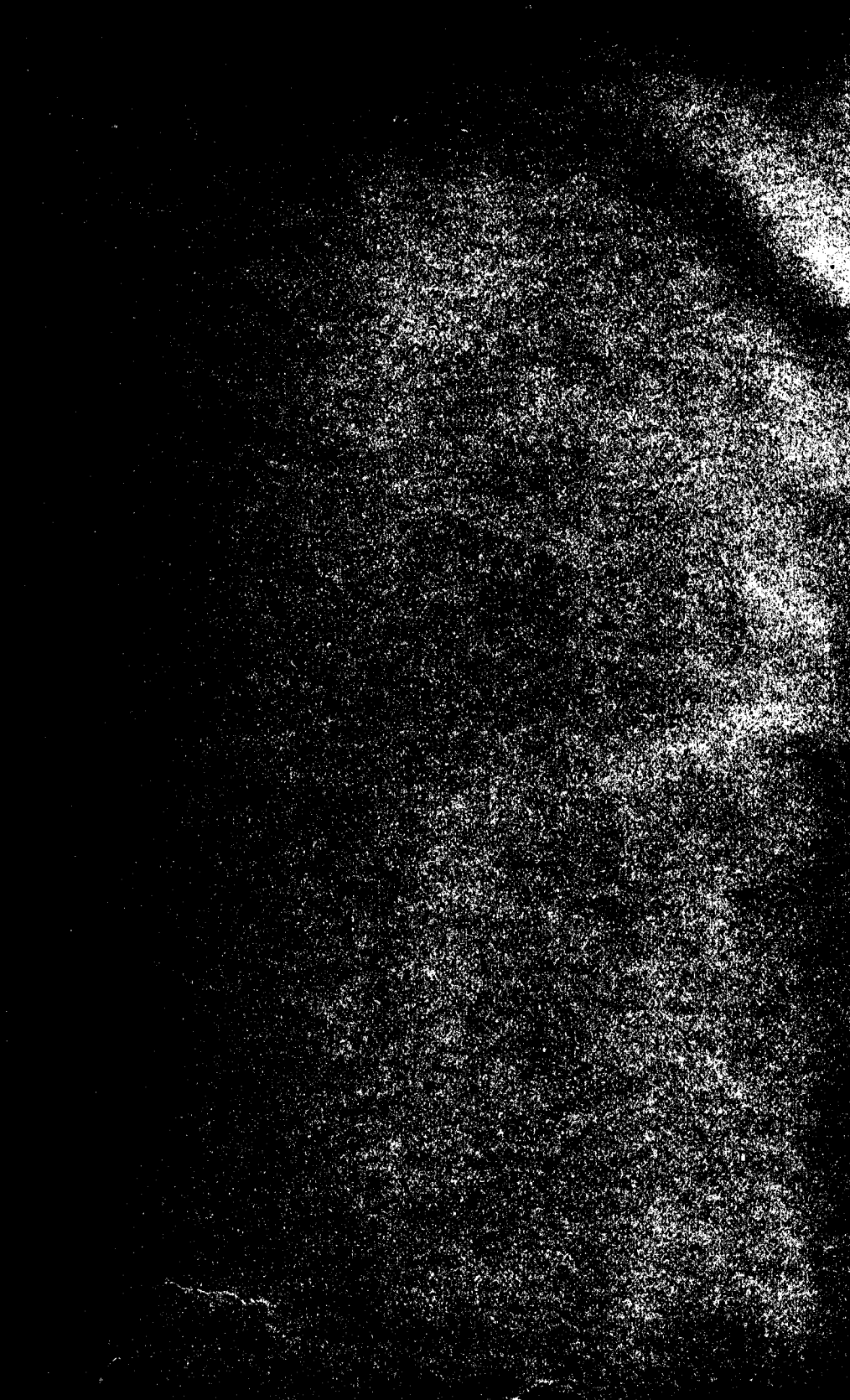
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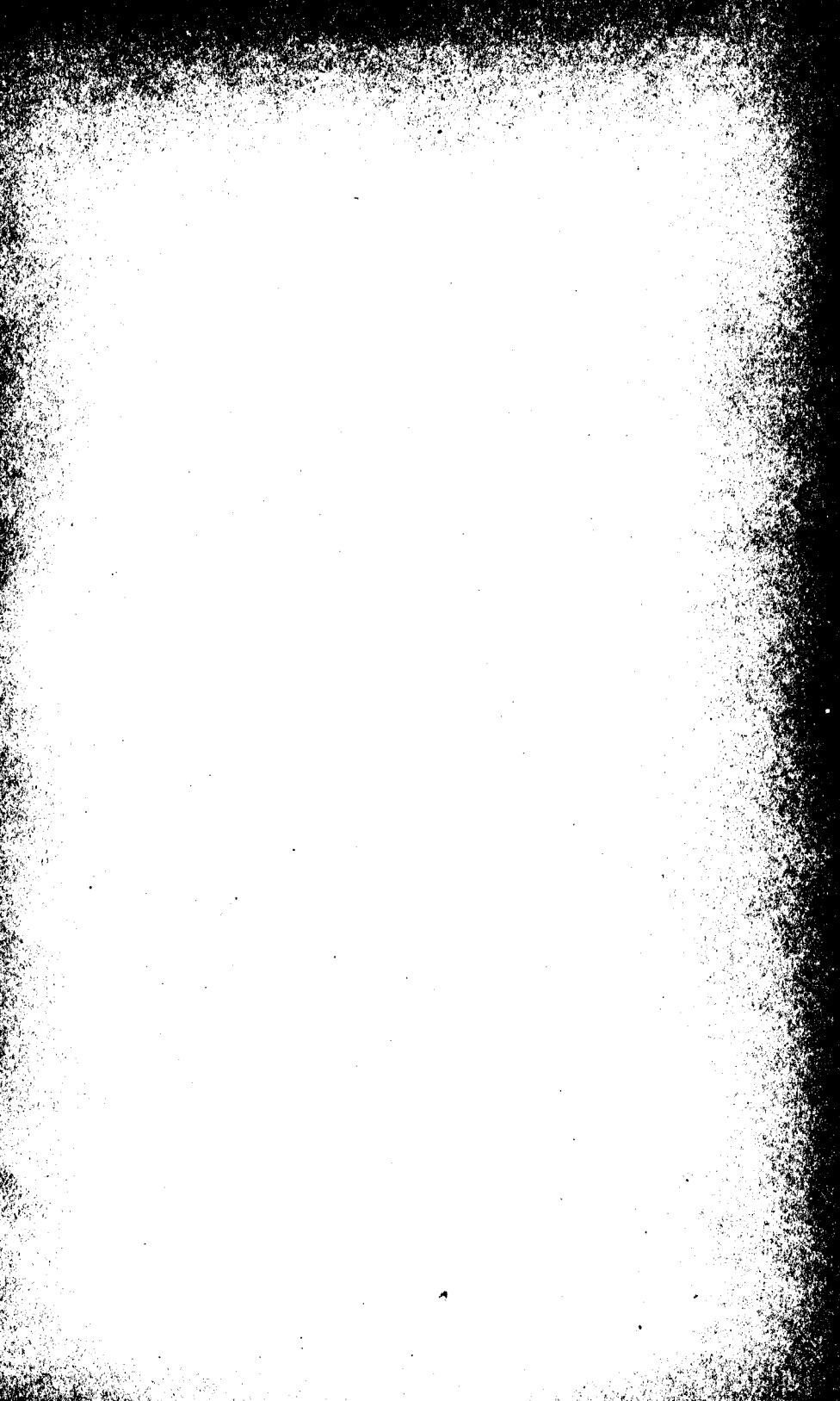
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MAYOR'S MESSAGE
AND
MUNICIPAL REPORTS
CITY OF PORTLAND, OR.
1899









CITY OF PORTLAND,
OREGON.

MAYOR'S MESSAGE

AND

MUNICIPAL REPORTS

FOR THE

Fiscal Year Ending
December 31

1899

Portland, Oregon:
Schwab Bros. Printing & Litho. Co.
No. 249 Stark Street.

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OFFICERS OF THE CITY GOVERNMENT

Mayor W. A. Storey
Auditor A. N. Gambell
Deputy Auditor Sigel Grutze
Deputy Auditor T. C. Devlin
Treasurer Frank Hacheny
Deputy Treasurer E. Werlein
City Attorney J. M. Long
Deputy City Attorney R. R. Duniway
Deputy City Attorney W. M. Davis
City Engineer W. B. Chase
Chief Clerk, City Engineer William Kapus
Draughtsman, City Engineer A. Reuter
Draughtsman, City Engineer Seth Catlin
Deputy City Engineer William Braden
Deputy City Engineer J. W. Brown
Deputy City Engineer A. M. Shannon
Deputy City Engineer George Bodman
Deputy City Engineer E. W. Paget

Deputy City Engineer John Baker
 Deputy City Engineer Jesse Hannon
 Municipal Judge Frank Hennessy
 Chief of Police D. M. McLauchlan
 Superintendent of Street Cleaning and Sprinkling W. A. Hart
 License Inspector S. C. Beach
 Deputy License Inspector Philip Rogaway
 City Physician Dr. C. H. Wheeler
 Inspector of Plumbing and Drainage M. P. Fleming
 Deputy Inspector of Plumbing and Drainage W. Adams
 Health Commissioner J. P. Menefee
 Parkkeeper C. M. Myers
 Harbor Master O. Jones
 Pound Master W. Patterson

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HEALTH AND POLICE.

Meets Saturday preceding Council Week.

N. D. Beutgen

J. A. Martin,

J. C. Jameson

JUDICIARY AND ELECTIONS.

Meets Monday, Council Week

Geo. J. Cameron,

Wm. Showers,

J. C. Luckel

STREET LIGHTING.

No regular day of Meeting.

J. C. Luckel,

W. E. Harris,

H. A. Belding,

Geo. L. Baker,

J. D. Meyer.

LICENSES.

Meets Tuesday, Council Week.

J. D. Meyer,

Geo. L. Baker,

N. D. Beutgen

COMMERCE, LANDINGS AND WHARVES.

Meets Tuesday preceding Council Week.

H. A. Belding,

J. A. Martin,

N. D. Beutgen

WATER.

Meets Tuesday, Council Week.

H. A. Belding,

Geo. J. Cameron,

Fred W. Hanson

LIQUOR LICENSE

Wm. Showers,

J. A. Martin,

Fred W. Hanson

N. D. Beutgen,

J. C. Luckel.

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

BOARD OF PUBLIC WORKS

J. M. LONG, Chairman,

A. N. GAMBELL, Clerk,

Frank Hachenev,

W. B. Chase.

HEALTH DEPARTMENT

BOARD OF HEALTH

HON. W. A. STOREY.....	Mayor
N. D. BEUTGEN.....	Chairman Health and Police Committee
C. H. WHEELER, M. D.....	City Physician
D. M. McLAUHLAN.....	Chief of Police
J. P. MENEFEES.....	Health Commissioner

POLICE DEPARTMENT

BOARD OF POLICE COMMISSIONERS

James E. Hunt,

Geo. W. Bates,

D. Solis Cohen,

D. M. McLaughlan, ex-officio

President	James E. Hunt
Secretary	Louis Rau
Municipal Judge	Frank Hennessy
Chief of Police	D. M. McLaughlan
Captains of Police {	Robert Holman
{	S. J. Hoare
Clerk of Police Department	James Roberts
Humane Officer	J. L. Wells

COMMON COUNCIL

President of the Council J. C. Jameson
First Ward W. E. Harris
Second Ward John A. Martin
Third Ward J. D. Meyer
Fourth Ward Geo. L. Baker
Fifth Ward Wm. Showers
Sixth Ward J. C. Luckel
Seventh Ward H. A. Belding
Eighth Ward Geo. J. Cameron
Ninth Ward Fred. W. Hanson
Tenth Ward J. C. Jameson
Eleventh Ward N. D. Beutgen

STANDING COMMITTEES OF THE COMMON COUNCIL

WAYS AND MEANS.

Meets Monday, Council Week.

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

ACCOUNTS AND CURRENT EXPENSES.

Meets Tuesday, Council Week.

J. C. Jameson, Wm. Showers, W. E. Harris

STREET CLEANING AND SPRINKLING.

Meets Thursday preceding Council Week.

Geo. L. Baker, W. E. Harris, J. C. Jameson,
Fred W. Hanson, J. D. Meyer.

STREETS.

Meets Saturday preceding Council Week.

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

SEWERS AND DRAINAGE.

Meets Friday preceding Council Week.

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

PARKS AND PUBLIC PROPERTY.

Meets Wednesday preceding Council Week.

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

WATER COMMITTEE

H. W. Corbett,	R. D. Inman	J. Loewenberg,
G. W. Bates,	S. E. Josephi,	C. H. Raffety,
J. C. Carson,	R. B. Knapp,	H. S. Rowe,
C. A. Dolph,	C. Kohn,	H. W. Scott
J. E. Haseltine,	W. M. Ladd,	J. N. Teal,
C. H. Hill,	L. A. Lewis,	L. Therckelsen.

H. W. CORBETT, Chairman

L. A. LEWIS, Treasurer

FRANK T. DODGE, Clerk

SUB-COMMITTEE ON CONSTRUCTION

C. A. Dolph,	J. N. Teal,	H. W. Corbett
J. Loewenberg,	L. Therckelsen	

SUB-COMMITTEE ON WATER WORKS

C. H. Raffety, W. M. Ladd.

Frank T. Dodge, Superintendent and Accountant,

D. D. Clarke, Assistant Engineer

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

REGULAR MEETINGS OF THE COMMON COUNCIL

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

COMMITTEE MEETINGS

COUNCIL WEEK

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

WEEK BEFORE COUNCIL MEETING

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

Committees meet at 2 P. M.

BOARD OF FIRE COMMISSIONERS

H. S. ROWE, President.

RICHARD EVERDING.

WM. FLIEDNER.

OFFICERS:

DAVID CAMPBELLChief Engineer

M. LAUDENKLOS.....Asst. Chief Engineer
(First District, south of Morrison street.)

JNO. E. YOUNGDistrict Engineer
(Second District, north of Morrison street.)

LEE HOLDENDistrict Engineer
(Third District, East Side.)

GEORGE J. WALKER.....Supt. Fire Alarm Telegraph
Office Board of Fire Commissioners, City Hall.

MILTON WEIDLER, Secretary.

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

FIREMAN'S MUTUAL RELIEF ASSOCIATION

OFFICERS:

H. S. ROWE, President.

WM. FLIEDNER, Treasurer.

MILTON WEIDLER, Secretary.

BOARD OF DIRECTORS:

H. S. ROWE.

RICHARD EVERDING.

WM. FLIEDNER.

DAVID CAMPBELL.

MILTON WEIDLER.

EXECUTIVE COMMITTEE.

Chief Engineer and Assistant Engineers.

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

MAYOR'S ANNUAL MESSAGE

Mayor's Office, Portland, Or., January 1, 1900.

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

Gentlemen—Pursuant to and in compliance with section 36 of the charter of the City of Portland, I herewith present to you a statement of the existing conditions of our city's affairs, together with a few recommendations, to which I sincerely hope you will give careful consideration.

First, let us remember our departed brothers. Many have gone the way of all mankind during the past year; the way all must go when called by the great Master to render a final account of their stewardship. One in particular I would mention at this time, one loved by all who knew him, one whose loss was mourned by the entire state, but more particularly by this city, where he had become endeared to the people by his kindly manner and many charitable acts, has paid the penalty of birth, and his spirit has been gathered home to the God who gave it. I speak of our departed Mayor, Hon. W. S. Mason, who passed away on March 27, 1899, and while this municipality regrets the loss of its chief executive, yet all must bow to the inevitable, and let us all hope that when we are called to stand before our Maker we will be as well prepared to render a faithful accounting as was he of whom I speak.

By a careful perusal of the following figures, you will see that a saving has been made during the past year for the taxpayers of about \$100,000. This result must indeed be very gratifying, not only to yourselves, but to the taxpayers generally, and no doubt will rebound with credit to the officials who have produced the above result. However, all is not gold that glitters, and the truth of this old axiom is, I believe, fully borne out in this case.

In order to make this enormous reduction in our city's expenses, it has been necessary to sacrifice, to some extent, the efficiency of some of our departments, which in the long run may not prove economical. As, for instance, in the department of street-cleaning and sprinkling, we find during the year ending December 31, 1898, that this department cost the City of Portland \$49,673.39, while the year ending

with December 31, 1899, will have cost but \$31,750.39, showing a saving of \$17,923 for this department alone.

Now, the question that I submit to you is, Has this been a true or a false economy? I leave you to draw your own conclusions in this matter. Notwithstanding the fact that our present street-cleaning force has done all it possibly could with the limited number of men to do the work, honestly believing that the moneys of this department have been judiciously and economically expended, yet we know that our street crossings have been necessarily neglected and in many instances in a deplorable condition for months at a time, and, in consequence of this neglect, will have to be repaired much sooner than if kept in a cleanly condition. The extra repairs that will be necessitated by this condition, together with the inconvenience of the traveling public, will, in my estimation, more than offset the saving made, and I hope that during the coming year we will be able to keep a full crew in this department at least.

The City Engineer's department for the past year has been necessarily a very expensive one, owing to the large number of streets that were in a bad condition, and necessitated the expenditure of large sums in the early part of the year.

We find that for the year 1899 we have expended on this department \$32,752.24. Of this from the general fund was expended \$25,420, and from the street-repair fund \$7,332.24.

There is no question as to the judicious expenditure of this money, as the committee on streets has been very careful not to permit moneys to be expended for public work unnecessarily.

Our fire department for 1898 cost us \$112,443.71, while for 1899 we have expended but \$33,262.16. Our police department in 1899 cost \$66,228.02, while for 1898 we paid \$85,666.74. Our light department has cost \$70,589.89, including \$14,142.12, expense for November and December, 1898, showing a total expenditure of this department for the year 1899 of \$56,447.77. In 1898 this department cost the city \$82,612.93.

Our park department has cost \$7,528.85, our health department \$5,047.52, Plumbing Inspector's department \$2,100, City Treasurer's department \$4,792, City Auditor's department \$8,880, City Attorney's department \$6,300, the pound department \$2,793.32, Harbor Police department \$1,200, the crematory department \$3,848.04, and the City Hall \$4,870.

I can find no fault with any of these departments particularly, except in one or two instances. For instance, our park department has been limited in the past year to the small sum of \$7,528.85, for the beautifying of our entire park system. This sum is indeed meager

for the large amount of work that could be done and which would result beneficially to our city. We are having a large number of visitors from all parts of the world, and their first tour of inspection after arriving in this city is to our City Park. I believe that not less than \$15,000 should be expended on our city parks each year for at least ten years to come. Other cities spend from twice to five times this amount on their parks, and thus make them a credit to the city. The approach to our City Park at the present time is in a deplorable condition. I speak of Washington street from Sixteenth street west. This is about the only available drive to the park, and it is a shame that this city, with its enormous wealth, should permit a street of that character to remain in such a condition. I hope the Common Council will find means during the coming year to make this one of the most beautiful drives within the confines of the city.

Our street-repair fund is also too small when you consider the miles of streets to be taken care of and kept in repair out of the small sum of \$7,332.24. It will necessarily be much smaller during the year 1900, and I think something should be suggested as a remedy, if we expect our streets to be kept in decent repair.

Our City Jail, located at Second and Oak streets, deserves attention, and as this is a valuable property, I would suggest that the proper authorities dispose of the same and purchase a less costly site, and with the surplus obtained from the above sale build a good, modern city prison.

I find that we have collected taxes as follows:

Taxes of 1899	\$280,344.37
Delinquent taxes, prior to 1899	103,193.79
General licenses	128,803.60
Dog licenses	4,147.50
Pound fees	1,175.75
Costs in Chief of Police sales	265.05
The municipal court	1,920.00
Surveys, etc.	2,285.11
Rents of public buildings	1,520.00
Miscellaneous sources	1,424.60
Total	\$525,089.77

The estimate made by our City Auditor is \$522,016.56. This shows very careful work by our City Auditor, and there is but a very slight difference between his estimate and the actual result.

In order that we may have a sufficient sum to carry on the various departments during the present year with a reasonable effi-

ciency, I would therefore suggest that the Council take steps to frame a general blanket license ordinance, one that will cover all departments, as well as the luxuries, and make the license as reasonable as possible, commensurate with the necessities. We should realize by this means in the neighborhood of from \$25,000 to \$35,000. This would assist us very materially and would add but very little to each of the taxpayer's burden of taxation.

The general business of the city for the past year has been very good, so far as can be learned at this office. Real estate has appreciated to some extent and money has become less stringent. There has been a large amount of building done during this year, both in private dwellings and business blocks, and the prospects for the year 1900 are very bright at present. Several large enterprises have been added to our list of manufacturing industries, and trade with the Orient is beginning to materialize. The Chamber of Commerce has awakened from its once lethargic state and set the wheels of its machinery to work for the betterment of this city. The Manufacturers' Association is also doing good work, and co-operating with the Chamber of Commerce, and I believe these two institutions will in the future be of great benefit to our city.

Regardless of the figures made by our Assessor in his last statement, I honestly believe that Portland property is worth more by several millions than it was a year ago.

The Taxpayers' League is laboring faithfully in the interests of economical government in all departments. The league is composed of large taxpayers, is not a political organization, and its recommendations should receive careful attention by the city officials, as the judgment of those who pay the cost is apt to be more clear than that of those who expend and do not produce the funds.

The health of the city has been generally good; in fact, better than it has been for many years past. We have had a few cases of contagious diseases, the most serious that of smallpox, but owing to the efficiency of our City Physician and his care and energy, we have been able to confine it within the least possible limit, and nothing to amount to anything has been said in Portland in relation to smallpox during the past year.

I regard the fact that the health of our city has been so much better than in years past is due to several circumstances, the principal one of which is our splendid system for obtaining water. We have every reason to feel proud that our water system is known and is becoming more generally known all over the United States as the best in the United States. A portion of these benefits can also be attributed to the fact that we are forcing upon the people a better

system of plumbing and drainage. Also that sections heretofore without sewers have been connected with good sewerage. Again, that our health officer is exceedingly diligent in the performance of his duties.

I would at this time call your attention to a matter that can be arranged by the Council themselves in the future, should they so desire, and I would most strongly recommend to those who shall succeed us in the government of the city, that in the appointment of standing committees of the Common Council the personnel of said committees be changed at least once every six months for various reasons. The most important is this: Take, for instance, the street committee, which is composed of five members of the Common Council, and only lacks one vote of being a majority of the whole body; and, as all matters pertaining to streets come before that committee, it makes it a powerful body, either for good or evil. And here I would say that we have been very fortunate in this connection in having a street committee that is composed of honest, intelligent gentlemen, who, I believe, have performed the duties of their office to the best of their ability, and as well as could have been done by any five men in the city.

I do not wish to be understood by this that any of our Councilmen have failed in the performance of their duty, nor do I wish to be understood to say that all or any of the committees have not performed their work faithfully and well, for I am satisfied that all the members of this Common Council have done everything possible for the city, under very trying circumstances through which we have passed. But to return to the street committee as proposed. Why should we give any five members out of eleven charge of street matters for the entire city for the full term of two years? Would it not be as well to make a rule to change the committees once every six months, because each councilman representing a ward in the city has troubles of his own in street matters and is held responsible by his constituents for not getting streets arranged to suit them, or getting them arranged so they do not suit the constituent? Should the street committee know that they would be obliged to submit to the rule of other members, after their term of six months had expired, I honestly believe that they would be a little more liberal to the members not on the street committee, as they would be obliged to go to the other members with their troubles in the latter part of the year. This change of committees, I believe, would result in good for all concerned, and I hope that those who come after us will see their way clear to make this change. It might be said that a street committee after acting through six months of the time has just got into harness so that it knows how to perform the duties of that committee.

Let me say that there is no member of this Common Council today that does not understand the necessities of street repairs and improvements just as well as does any member of the street committee. All members are intelligent, I believe, and I also believe that all members are honest, and it does not require a thorough knowledge of street matters to be a member of the street committee, as they have not full power in these matters. All street matters are obliged to be submitted to the Board of Public Works, and these committees I think should hold office for six months, and I think the council committee should be changed so that no jealousy could arise. The practice of honest, common sense in all matters pertaining to city government will result, I believe, more beneficially than would the practice of technical, theoretical display.

I believe an effort should be made by the members of the Council to induce representative citizens to attend, when time permits, the meetings of the Common Council. Every action taken by the Common Council is either for or against the taxpayers, and it is to the taxpayers that the Common Council are responsible for their actions. Then, why should not the taxpayer, instead of standing aloof and saying that this Councilman has done wrong, or that Councilman has done wrong, attend the meetings himself and see for himself why these acts were committed? During my visit to San Francisco I attended a meeting of the Board of Supervisors, the same as our Common Council of Portland. The lobby was crowded with taxpayers, interested in all of the proceedings of that body. It is there that a member of such legislative body can step aside a moment to consult with some person who is a little better posted perhaps on such matters than he is. At Seattle, the same condition prevails. At a meeting of the Common Council, held in the evening at that place, I found a large gathering of interested taxpayers, while here in Portland the taxpayers seldom if ever think of coming to our meetings, but air their opinion after measures have been passed, through the press, and to the world, thus making the city ridiculous in the eyes of others who are not conversant with the existing circumstances.

Another unfortunate condition that the Council will have to meet during the coming year and one which is to be greatly deplored, is the fact of the construction placed upon the Bancroft bonding act by the Supreme Court of this state. This necessitates the sale of what is known as improvement bonds, and places an extra burden of taxation upon those who have already paid their own tax, in order to help pay the interest on that of their neighbor. While it will perhaps facilitate to some extent the improvement of streets, yet there is no reason or right in a law that will compel you to pay your street assessment and then assist in paying the interest on the cost of your neighbor's assess-

ment. It is to be hoped that little, if any, advantage will be taken of this act until the Legislature can meet again to repeal or amend this objectionable feature of that law.

Many good ordinances have been passed during your tenure in office and I desire to speak of one or two that while the ordinance itself is good and if enforced would greatly enhance the beauty of our city, the Council is powerless to enforce. I would call your attention to the ordinance regulating the height that awnings should be placed above the sidewalks throughout the city, and also ask you to note the fact that this ordinance is constantly neglected, owing to the fact that the Council has no jurisdiction over the police force. The laws you can make, but the enforcing power lies in the hands of the Police Commissioners, who are a body subject to their own discretion in this matter. The attention of the property-owners has been called to this matter, yet, as you will see, little heed has been paid to infractions of the same. This is to be regretted, and I hope that the Legislature at its next session will so arrange as to bring the police force, to some extent, within the jurisdiction of the Common Council, because little good can result from the passage of a law unless the legislative body which makes the law has some control over the officers who should enforce it.

I am pleased to notice that the ordinance requiring a certain class of sidewalk to be constructed within the fire limits, instead of allowing it to be repaired with wood, as in the past, has a very good chance of becoming a law. This will lessen the danger from fires very materially, and will greatly improve the appearance of our city.

Owing to the great reduction of our assessable property by our County Assessor, we shall be obliged to practice very strict economy, and, in order to come out right in 1901, we shall be obliged to commence now.

I most earnestly recommend, however, that during the year some effort be made by the Common Council to arrange for a public market place. At present vendors of all characters and selling all classes of goods and chattels, are scattered about our streets, taking up their stands wherever they choose, to the detriment of the general traffic. I would therefore suggest a general market place, and hope the Common Council will make an effort to secure such a place during the year 1900.

Respectfully submitted,

W. A. STOREY, Mayor.

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ANNUAL REPORT

—OF—

A. N. GAMBELL, AUDITOR OF THE CITY OF PORTLAND, FOR THE YEAR 1899

	Balance Dec. 31, 1898	Received by Transfer	Receipts	Disbur'ments	Disbursed by Transfer	Bal. Dec. 31, 1899	War'ts out Dec. 31, '98	Warrants Drawn	Warrants Paid	W'ts. charg- ed to Gen. Fund Re- demption Ac	W'ts out Dec. 31, '99
General Fund	\$ 12,632 66½	\$ 4,744 87	\$ 193,773 04½	\$ 164,086 13	\$ 11,247 52	\$ 35,816 93	\$ 41,303 50	\$ 157,048 31	\$ 156,798 81	\$ 34,843 15	\$ 6,709 85
Fire Dept. Fund	9,342 61		97,470 47	86,240 00		20,573 08	19,447 63	83,262 16	86,212 25	10,377 88	6,119 66
Police Dept. Fund	254 66	5,577 11	62,536 64	65,175 93		3,192 48	29,557 97	66,228 02	65,175 93	29,539 74	1,070 32
Interest Fund, Bonded Indebtedness	56,778 25		126,941 41	126,934 75		56,784 91	37 25	143 00	169 75		10 50
Light Fund			53,602 76	49,647 77		3,954 99		49,647 77	49,647 77		
Street Repair Fund			8,933 80	7,278 05		1,655 75		7,332 99	7,278 05		54 94
Street Cleaning and Sprinkling Fund	1,325 07	676 05	4,058 87	1,942 64	4,117 35		5,291 91	1,896 00	1,942 64	5,245 27	
Interest Fund, Water Bonds	225 00		217,525 00	144,700 00		73,050 00					
Improvement Fund	35,784 28		19,930 18			55,714 46					
Improvement Bond, Interest Fund	1,245 77	3,900 00	6,204 34	10,034 59		1,315 52					
General Fund, Redemption of Warrants	87,563 23			84,584 02		2,979 21		*984 10	803 78		180 32
Fund for the Repayment of Two Mill Tax	37 45	1,094 36		1,104 78		27 03	37 33	1,094 48	1,104 78		27 03
East Portland Water Fund	16 35					16 35					
East Side Water Expense Fund	1 90					1 90	40				40
Litigation Fund	70 47		611 25	645 25		36 47					
Boulevard Fund	217 77					217 77					
Willamette River Fund	8 71					8 71					
Fire Badge Redemption Fund	75 00					75 00					
Street Improvement Funds	6,164 58½		57,501 59½	58,037 02	286 10	5,343 06					
Sewer Funds	797 86		13,485 60	12,782 41	341 42	1,159 63					
Street Extension Funds	1,883 10		13,521 97	13,784 42		1,620 65					
Street and Sewer Interest Fund	1,111 61		986 96	866 05		1,232 52		31 65	31 65		
	\$ 215,536 34	\$ 15,992 39	\$ 877,083 89	\$ 827,843 81	\$ 15,992 39	\$ 264,776 42	\$ 95,675 99	\$ 367,668 48	\$ 369,165 41	\$ 80,006 04	\$ 14,173 02

*Charged as per resolution of August 21, 1899.

448 818 68

26531.28

477364.70

DETAILED STATEMENT OF RECEIPTS AND DISBURSEMENTS
GENERAL FUND.

Receipts:

Delinquent taxes	\$ 56,324.85 ✓
General licenses	125,138.23
Dog licenses	4,149.00
Pound fees and costs	1,175.75
Rents, City Hall	1,300.00
Rents, block No. 132	203.33
Costs street improvements	299.55
Inspection, engineering and advertising.....	2,245.11
Fines and costs, Municipal Court.....	1,920.00
Sale of horses	60.00
Rent park (Albina)	25.00
Repair stand pipe	10.00
Abatement of nuisance	18.75
Machinery Stark-street ferry	500.00
Fines and costs, Plumbing Inspector	4.00
Sale of sacks and cans	1.25
Sale of boiler tubing	13.50
Forfeitures, street contractors	40.00
Redemption of property	4.75
Repairing sidewalks	33.37
Repair Front-street bridge, C. & S. Ry. Co...	300.00
Transferred from street-cleaning and sprinkling fund	4,117.35
Transferred from street-improvement funds.	286.10
Transferred from sewer funds	341.42
Miscellaneous receipts	6.60½
	\$198,517.91½

Disbursements:

Transferred to street-cleaning and sprinkling fund	\$ 676.05 ✓
Transferred to improvement bond interest fund..	3,900.00
Transferred to police fund	5,577.11
Transferred to 2-mill tax fund	1,094.36
City Treasurer, ordinance No. 11313.....	7,287.32
Warrants paid	156,798.81
	\$175,333.65

123,140
12,420
103-500

AUDITOR'S REPORT.

FIRE DEPARTMENT FUND.

Receipts:

City taxes 1899	\$ 71,470.37	
City taxes, delinquent	25,231.41	
Sale of horse and old material	768.69	
		\$ 97,470.47

Disbursements:

Warrants paid	\$ 86,212.25	
Interest paid on called warrants	27.75	
		\$ 86,240.00

POLICE DEPARTMENT FUND.

Receipts:

City taxes 1899	\$ 62,536.64	
Transferred from general fund	5,577.11	
		\$ 68,113.75

Disbursements:

Warrants paid	\$ 65,175.93	
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INTEREST FUND, BONDED INDEBTEDNESS.

Receipts:

City taxes 1899	\$ 89,337.92	
City taxes, delinquent	22,603.49	
Water committee	15,000.00	
		\$126,941.41

Disbursements:

Coupons paid	\$126,765.00	
Warrants paid (N. Y. exchange)	169.75	
		\$126,934.75

LIGHT FUND.

Receipts:

City taxes 1899	\$ 53,602.76	
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Disbursements:

Warrants paid	\$ 49,647.77	
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STREET REPAIR FUND.

Receipts:

City taxes 1899	\$ 8,933.80	
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Disbursements:

Warrants paid	\$ 7,278.05	
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207
12,420

135 600
 85 647
 49 953

15000
 28000
 67807
 85647

AUDITOR'S REPORT.

STREET-CLEANING AND SPRINKLING FUND.

Receipts:

Fines and costs	\$393.50	
General licenses	3,665.37	
Transferred from general fund	676.05	
		\$ 4,734.92

Disbursements:

Transferred to general fund	\$ 4,117.35	
Warrants paid	1,942.64	
		\$ 6,059.99

INTEREST FUND, WATER BONDS.

Receipts:

From water committee for payment of interest on water bonds	\$217,525.00
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Disbursements:

Coupons paid	\$144,700.00
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IMPROVEMENT FUND.

Receipts:

Bonded liens	\$ 19,930.18
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IMPROVEMENT BOND INTEREST FUND.

Receipts:

Interest on bonded liens	\$ 6,204.34	
Transferred from general fund	3,900.00	
		\$ 10,104.34

Disbursements:

Coupons paid	\$ 10,034.59
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GENERAL FUND—REDEMPTION OF WARRANTS.

Disbursements:

Warrants paid	\$ 79,833.72	
Interest paid	4,750.30	
		\$ 84,584.02

TWO MILL TAX FUND.

Receipts:

Transferred from general fund	\$ 1,094.36
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Disbursements:

Warrants paid	\$ 1,104.78
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STREET IMPROVEMENT FUNDS.

Receipts:

Street improvement assessments		\$ 57,501.59½
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Disbursements:

Warrants paid	\$ 58,037.02	
Transferred to general fund	286.10	
		\$ 58,323.12

SEWER FUND.

Receipts:

Sewer assessments		\$ 13,485.60
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Disbursements:

Warrants paid	\$ 12,782.41	
Transferred to general fund	341.42	
		\$ 13,123.83

STREET EXTENSION FUNDS.

Receipts:

Street extension assessments		\$ 13,521.97
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Disbursements:

Warrants paid		\$ 13,784.42
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STREET AND SEWER INTEREST FUND.

Receipts:

Interest street and sewer assessments.....		\$ 986.96
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Disbursements:

Warrants paid	\$ 31.65	
Interest paid by Treasurer	834.40	
		\$ 866.05

DETAILED STATEMENT OF DEMANDS AUDITED AND OF INTEREST PAID BY THE CITY OF PORTLAND DURING THE FISCAL YEAR 1899.

GENERAL FUND.

Salary of Mayor	\$ 5,000.00	
Salary of Councilmen	10,902.07	
Stationery and blanks	13.94	
		\$ 15,916.01

Auditor's Department:

Salary of Auditor	\$ 2,400.00	
Salary of deputies and clerks	6,480.00	
Stationery and blanks	541.38	
Miscellaneous expenses	109.80	
		\$ 9,531.18

City Treasurer's Department:

Salary of City Treasurer	\$ 3,000.00	
Salary of deputy and clerk hire	1,792.00	
Stationery and blanks	81.07	
Miscellaneous expenses	32.84	
		\$ 4,905.91

City Attorney's Department:

Salary of City Attorney	\$ 3,000.00	
Salary of deputies	2,700.00	
Salary of stenographer	600.00	
Litigation and judgments	2,045.32	
Stationery and blanks	278.54	
Miscellaneous	64.80	
		\$ 8,688.66

City Engineer's Department:

Salary City Engineer	\$ 2,400.00	
Salary deputies	7,380.00	
Salary of rodmen, axmen, etc.	9,302.50	
Labor repairing streets and bridges, Dec., 1898..	484.50	
Material repairing streets and bridges.....	163.49	
Labor repairing sewers	2,941.00	
Material repairing sewers	708.28	
Street inspectors	1,980.00	
Feed, horseshoeing and repairs.....	60.23	
Stationery and blanks	213.06	
Miscellaneous expenses	9.45	
		\$ 25,642.51

Municipal Court:

Salary of Judge	\$ 1,800.00	
Salary of Clerk	1,200.00	
Pay of interpreters	45.00	
Stationery and blanks	150.32	
Miscellaneous .....	.60	
Juror fees	9.00	
		\$ 3,204.92

Inspector of Plumbing and Drainage:

Salary of Inspector	\$ 1,200.00	
Salary of deputy	900.00	
Stationery and blanks	59.81	
Miscellaneous	30.60	
		\$ 2,190.41

Poundmaster's Department:

Salary of Poundmaster	\$ 1,080.00	
Salary of assistants	1,085.50	
Feed for horses, and impounding stock.....	419.50	
Harness, horseshoeing and repairs	100.65	
Miscellaneous expenses	156.85	
Stationery and blanks	2.55	
		\$ 2,845.05

Health Department:

Salary of City Physician	\$ 1,500.00	
Account care indigent sick	1,094.75	
Salary Health Commissioner	1,080.00	
Salary Deputy Health Commissioner	555.48	
Stationery and blanks	101.44	
Contagious diseases	815.89	
Purchase pest house	844.95	
Miscellaneous expense	68.75	
		\$ 6,061.26

Harbor Policeman and Harbor Master:

Salary of Harbor Master	\$ 300.00	
Salary of harbor policeman	900.00	
Stationery and blanks	9.20	
		\$ 1,209.20

City Park and Grounds:

Salary of Park Keeper	\$ 900.00	
Pay of laborers	4,309.00	
Feed for animals	1,581.70	
Lumber, hardware, wood, etc.	422.55	
Water for park blocks and fountains	68.28	
Terwilliger Park	266.35	
Stationery .....	.35	
		\$ 7,548.23

City Hall—Expense of:

Salary of janitors and watchman	\$ 2,460.00	
Heating and lighting	1,523.18	
Repairs and janitors' supplies	362.49	
Repair boiler	524.41	
		<u>\$ 4,870.08</u>

Cremation of Garbage:

Labor operating new crematory	\$ 2,214.80	
Wood, new crematory	1,389.25	
Miscellaneous expenses	45.89	
Repair	326.32	
		<u>\$ 3,976.26</u>

Operating Steel Bridge:

Rent of bridge	\$ 1,400.00	
Pay of employes	720.00	
Miscellaneous expense	26.12	
		<u>\$ 2,146.12</u>

Miscellaneous:

Purchase show cases	\$ 130.00	
Printing Municipal Reports	250.00	
Advertising	2,250.00	
Relief of sundry persons	1,047.42	
Pay of viewers	642.00	
Sidewalk repairs	114.78	
Improvement block 231	271.20	
Repairs Front-street bridge	470.97	
Mayor Mason's funeral	559.00	
Improvement of streets, city property.....	386.69	
Miscellaneous expense	535.69	
Purchase license tags	326.00	
Surplus sale impounded stock	71.00	
		<u>\$ 7,055.12</u>

Lighting Streets:

Lighting November and December, 1898	\$ 14,142.12	
Amount paid on account, Jan. and Feb., 1899....	6,800.00	
		<u>\$ 20,942.12</u>

Street-Cleaning and Sprinkling Department:

Pay of superintendent, foremen and laborers....	\$ 20,644.42	
Lighting city barn	240.00	
Shoeing horses	522.75	
Repairs to plant	249.32	
Harness and repairs	150.38	
Hay	1,403.50	
Oats and other feed	2,407.49	
Hardware	66.26	
Sprinkling	2,841.86	
Insurance	480.28	
Stationery and blanks	21.25	
Rattan	343.42	
Veterinary	90.00	
Lumber	105.97	
Sawdust	119.00	
Miscellaneous	629.37	
		\$ 30,315.27
Grand total, account general fund		\$157,048.31

STREET-CLEANING AND SPRINKLING FUND.

Pay of superintendent, foremen and laborers, December, 1898	\$ 1,896.00
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FIRE DEPARTMENT FUND.

Salary of firemen	\$ 63,429.30
Fire alarm telegraph	3,066.38
Hose and repair of	1,384.65
Water	1,906.50
Hydrants and repairs	203.05
Stationery and blanks	137.00
Telephone service	637.15
Repairs to apparatus	1,454.16
Buildings, furniture and fixtures	541.75
Shoeing horses	1,245.00
Horses	598.00
Veterinary services	253.00
Harness and repair of	111.57
Feed	3,719.59
Fuel	1,543.96
Lighting engine houses	518.15
Miscellaneous supplies	853.42

Repairs to cisterns	95.00	
Rent	370.00	
Incidental expenses	534.53	
Allowance Vol. Hose Companies	660.00	
		\$ 83,262.16

POLICE DEPARTMENT FUND.

Salary of police	\$ 61,685.45	
Feeding prisoners	946.15	
Expense of police building	1,159.50	
Patrol wagon	683.72	
Call boxes	682.45	
Mounted police	426.90	
Contingent expenses	458.95	
Stationery and blanks	184.90	
		\$ 66,228.02

LIGHT FUND.

Lighting streets		\$ 49,647.77
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STREET REPAIR FUND.

Laborers street repair	\$ 2,574.75	
Foremen and carpenters	1,975.61	
Material, streets and bridges	1,899.48	
Horseshoeing	102.00	
Feed	343.55	
Harness	35.80	
Repairs to wagon	80.05	
Repairs to North Front street	300.00	
Miscellaneous	21.75	
		\$ 7,332.99

FUND FOR REPAYMENT OF TWO MILL TAX.

Returned to property-owners	\$ 1,094.48	\$ 1,094.48
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INTEREST FUND, BONDED INDEBTEDNESS.

Interest paid account bonded indebtedness.....	\$126,765.00	
Paid account interest, N. Y. exchange.....	169.75	
		\$126,934.75

SUMMARY.

General fund	\$157,048.31	
Fire department fund	83,262.16	
Police department fund	66,228.02	
Light fund	49,647.77	
Street-cleaning and sprinkling fund	1,896.00	
Repayment 2-mill tax	1,094.48	
Interest on bonded indebtedness	126,934.75	
Street repair fund	7,332.99	
		\$493,444.48

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

STREET AND SEWER INTEREST FUND.

Interest on street and sewer warrants	\$ 866.05
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WATER BOND INTEREST FUND.

Interest coupons paid and returned	\$144,700.00
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IMPROVEMENT BONDS INTEREST FUND.

Interest paid on street and sewer improvement bonds	\$ 6,134.59
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SUMMARY.

Street and sewer interest fund	\$ 866.05	
Water bonds interest fund	144,700.00	
Improvement bonds interest fund	6,134.59	
		\$151,700.64

Respectfully submitted,

A. N. GAMBELL, Auditor.

Portland, Oregon, December 30, 1899.

CITY OF PORTLAND.

Kind	Amount	Date	Time	Interest	Object
General . . .	\$ 56,500.00	May 1, 1891	10 years	6 per cent.	To redeem outstanding bonds
General . . .	430,000.00	Dec. 1, 1898	30 years	5 per cent.	Funding bonds

FORMER CITY OF ALBINA.

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

FORMER CITY OF EAST PORTLAND.

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

CITY HALL BONDS.

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

WATER BONDS.

Amount authorized, \$3,200,000.00.

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

BRIDGE BONDS.

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

FERRY BONDS.

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

IMPROVEMENT BONDS.

Kind	Amount	Date	Time	Interest	Object
	\$ 28,118.49	July 1, 1895	10 years	6 per cent.	Construction of sewer
		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.	"
	3,063.22	Feb. 1, 1896	10 years	6 per cent.	"
	3,294.26	April 1, 1896	10 years	6 per cent.	"
	1,116.75	May 1, 1896	10 years	6 per cent.	"
	1,080.52	July 1, 1896	10 years	6 per cent.	Improvement of streets
	24,297.76	Sept. 4, 1896	10 years	6 per cent.	Improvement of streets and construction of sewers
	25,748.53	Nov. 1, 1896	10 years	6 per cent.	"
	1,280.92	Jan'y 1, 1897	10 years	6 per cent.	"
	14,246.47	April 1, 1897	10 years	6 per cent.	"
	6,280.80	June 1, 1897	10 years	6 per cent.	Improvement of streets
	6,454.82	Aug. 2, 1897	10 years	6 per cent.	"
	7,293.74	Oct. 1, 1897	10 years	6 per cent.	Improvement of streets and construction of sewers
	1,965.17	Dec. 1, 1897	10 years	6 per cent.	"
	13,091.91	Feb. 1, 1898	10 years	6 per cent.	"
	11,109.11	April 1, 1898	10 years	6 per cent.	"
	7,048.61	June 1, 1898	10 years	6 per cent.	"
	3,504.45	Sept. 1, 1898	10 years	6 per cent.	"
	4,079.03	Dec. 1, 1898	10 years	6 per cent.	"
	6,417.08	Feb. 1, 1899	10 years	6 per cent.	"

611
 Imp. Bonds issued Dec. 19 1900 - 2,17,333.31

7900,000
 750
 150,000

4
 1350,
 270,
 675.1
 2900
 7000,
 500
 526 1.000

AUDITOR'S REPORT.

72764
 209243
 41

The following statement shows the condition of each street improvement, sewer and street extension fund at the close of the fiscal year ending December 30, 1899.

STREET IMPROVEMENT FUNDS.

	Bal. in Fund Dec. 31, 1899	War. Out'g Dec. 31, 1899
Fifth street, Stephens to Adams	\$ 6.51	\$ 6.51
M street, Fourth to Twelfth	43.16	68.37
North Eighteenth street		171.73
Clinton, Twelfth to Twenty-first	62.73	785.28
R street	186.75	
Chapman	35.05	1,052.91
Front, Gaines street to First avenue.....	18.55	88.14
Williams avenue		2,500.00
Hood street	14.64	14.64
Taylor street, Tenth to Fourteenth	1.41	160.26
Second street, Sheridan to Gibbs	1.85	251.52
Hood street		345.50
Clifton street	79.00	100.00
Thirteenth street		1,130.58
Clay street, Fourth to city boundary.....	4.80	3.91
Fifth street, K to Ellsworth	207.48	609.74
Fifth street, C to I		65.34
Glisan street, East to West End	21.20	25.82
Water street		86.32
Elliott street, Helm to Williams	83.00	83.00
Twenty-second North, J to P.....	41.41	27.66
H street, East to West End	10.45	10.45
H street, Twenty-second to Twenty-third.....	43.64	
Twenty-third street, F to J	45.54	
G, Third to West Park	13.74	
South First street, Third to Fourth avenue....		11.45
Multnomah street, Grover to Curry	9.10	961.44
Glisan street, Ninth to Twelfth	6.00	43.89
East Sixteenth street, Holladay to Belmont.....	26.89	5.60
East Eighth street, East Flanders to Riverside Homestead		1,025.53
Weidler street .....	.94	.94
Shaver street, Maryland to Williams	4.20	4.20
East Twenty-fourth, formerly A	30.96	29.96
East Oak street, Second to Water	1.85	38.16
Sixth street, Sellwood		26.80
East Eighth, Ainsworth to Dekum avenue.....	15.25	27.64

	Bal.in Fund Dec.31, 1899	War. Out'g Dec.31,1899
Tacoma avenue	104.17	1,087.29
Spokane avenue	64.15	
Fifth street, Sellwood	13.41	
Ninth street, Sellwood		66.88
Umatilla avenue	361.23	280.00
Morrison street, Front to Chapman	6.57	27.57
East Seventeenth street, Morrison to Stark	12.00	
East Harrison street, Eleventh to Third.....	3.14	2.82
Beacon street, Milwaukie to East Eighth.....	8.44	8.44
Cable street, Mill to Terrace Road	13.50	1,140.59
Milwaukie and East Eleventh streets	12.58	4.27
East Stark street, Water to Sixteenth	1.01	1.01
Hoyt street, Fourth to Fifth	2.50	162.10
Madrona street	17.63	111.55
Fremont street	11.47	11.47
Grand avenue, Clay to Stark	64.09	6.69
Nineteenth street, Thurman to Sherlock	5.00	98.48
Front street, Madison to Lincoln	33.48	16.49
East Second street, Oak to Washington.....	6.38	.38
Third street, Main to Columbia	6.50	56.40
Columbia street, First to Front	1.00	
Marshall street, Sixteenth to Twenty-second....	4.55	.55
Hawthorne avenue	97.00	
Hamilton avenue, south half	5.60	5.60
Clinton street	22.33	89.42
Gantenbein avenue	2.84	
Commercial street	135.73	74.76
East Water street, Oak to Hawthorne avenue....	125.28	9,365.18
Belmont street	107.49	589.60
Third street, Yamhill to Glisan		1,618.38
Fourth street, Jefferson to Burnside	28.81	123.12
Constance street	9.40	.40
Going street	57.25	85.27
Taylor street, Thirty-fourth to Thirty-eighth....	5.00	
Stark street, Fourth to Sixth .....	.90	.90
Washington street, Third to Burnside		10.30
Fourth street, Burnside to Glisan	38.35	23.60
First street, Stark to Madison	29.52	120.34
Russell street, Williams avenue to Delay.....	66.30	
Thirteenth street, Glisan to Hoyt	1.50	72.27
First street, Burnside to Stark	4.22	
Hood street, 50 feet south to 125 feet north Woods	6.00	
First street, Madison to Woods	45.75	55.50

	Bal. in Fund Dec 31, 1899	War. Out'g Dec. 31, 1899
Grand avenue, Clay to Grant	1.47	1.47
Columbia street, Third to Water	9.89	4.94
Front street, block 16, Watson's add., to block 31, Sherlock's add.	7.25	2,678.07
Yamhill street, First to Fourth	34.03	28.78
Goldsmith street .....	.25	1,440.84
Pine street, Second to Third	613.02	
Fourteenth street, Quimby to Raleigh	2.00	1.04
Grand avenue, Grant to Caruthers	5.50	383.92
Northrup street, Ninth to Twelfth	30.00	
Corbett street	1.90	
Elm street	3.00	3.75
McMillen and Williams avenue	137.78	2,618.04
Eleventh street, Northrup to Quimby	7.75	37.88
Glisan street, West Park to Twenty-second	50.35	333.12
Grand avenue, East Everett to 137 feet north of Flanders street .....	.25	796.35
First street, 100 feet north to 100 feet south of Grover street	2.50	278.78
Front street, Woods to Grover	2.75	179.68
Corbett street, 110 feet north to 30 feet south of Pennoyer street	2.00	99.48
Eleventh street, Hawthorne to Division	18.59	1.40
Twenty-second street, Johnson to St. Helens Road	91.70	175.59
Kerby street, Shaver to north line Central Albina	28.00	
Jefferson street, Sixteenth to Park	6.15	9.58
Front street, Madison to Burnside	54.18	241.97
Sherman street, East Seventh to East Twelfth	8.60	155.77
Grand avenue, East Burnside to Holladay	19.24	136.72
East Thirty-second, Belmont to Taylor	28.00	
Union avenue, Burnside to Weidler	28.23	1,641.41
Corbett street, Hood to Bancroft	11.75	3,702.47
Eleventh street, Montgomery to Hall	4.75	185.37
Davis street, Twelfth to Fourteenth	6.15	130.85
Washington street, Front to First .....	.75	718.46
Albina avenue, Beech to north line Central Albina	24.63	1,644.12
Cleveland avenue, Shaver to Beech	31.62	373.16
Union avenue, 12 feet south to 131 feet north of Broadway street	19.68	95.03
Grand avenue, 11 feet north Stark to 111 feet north of Oak	21.49	288.18
Pettygrove street, Sixteenth to Twentieth	44.06	479.10
East Morrison street, Union to Grand	15.50	147.50

	Bal. in Fund Dec. 31, 1899	War. Out'g Dec. 31, 1899
Commercial street, Shaver to Alberta.....	4.72	1,503.39
Seventeenth street, Marshall to Quimby.....	78.86	161.45
East Seventh, Hawthorne to East Sherman.....	98.15	1,398.90
Salmon street, Fifth to Second	36.28	266.05
Alder street, Front to Sixth	5.27	2,101.03
Prescott street, Union avenue to East Tenth.....		1,099.07
Caruthers street, Front to Hood	23.90	31.20
Hood street, Sheridan to Curry		158.77
East Morrison street, Eighth to Ninth	14.40	147.29
Haight avenue, Beech to Alberta		2,682.95
Fifth street, Morrison to Alder	37.52	666.73
East Third street, 20 feet north to 20 feet south of Stark street	34.13	160.64
Front street, 150 feet north to 70 feet south of Lane street	36.51	103.94
East Twelfth street, Stark to 70 feet south of East Oak street	30.93	63.45
Shaver street, Mississippi to Williams avenue...		2,662.35
Everett street, Third to Nineteenth	29.08	1,470.16
Chapman street, Salmon to Taylor	14.61	325.41
Fargo street, Commercial to Borthwick		66.06
Seventeenth street, 60 feet south to 254 feet north of Vaughn street .....	.02	37.76
Vancouver avenue, Hancock to Broadway.....		9.28
Clay street, Water to Third	41.48	223.12
Grand avenue, Fremont to Lincoln	27.30	201.45
Marshall street, Twelfth to Sixteenth		9.26
Lovejoy street, Twentieth to Twenty-second....	55.05	55.05
Fourteenth street, Raleigh to Savier .....	.01	41.46
East Yamhill street, Water to Union avenue.....		6,088.49
Gantenbein avenue, Beech to Alberta	72.49	2,638.29
Albina avenue, Cook to Beech		201.22
Water and Hood	104.37	122.29
Twentieth street, Carter to Spring		502.95
Cook avenue, Albina to Mississippi avenue.....	22.32	22.32
Larrabee street, Hancock to Hassalo.....		652.88
Russell street, Williams to Union avenue.....	50.08	502.46
Sixth street, Morrison to Hoyt	5.46	9,471.50
Market street, Fourteenth to Seventeenth.....		116.18
Clint street, Milwaukie to East Twelfth.....	10.15	68.44
Stark street, Seventh to Twelfth	577.04	
Total	\$5,343.06	\$80,229.93

SEWER FUNDS.

	Bal. in Fund Dec. 31, 1899	War. Out'g Dec. 31, 1899
P street	\$ 127.85	\$ 68.17
Q street	38.36	38.36
Pennoyer street	9.07	9.07
Williams avenue, et al.	90.00	90.00
Whittaker street	1.05	92.00
Portland Heights		1,656.84
East Alder street, et al.	384.06	813.42
East Twelfth street, Division to Hawthorne....		272.69
East Taylor street, Nineteenth to Twenty-sixth..	4.00	
Rodney avenue et al.	9.00	
First street, Whittaker to Grover	7.20	50.56
Macadam street, Gibbs to Woods	1.00	
East Eleventh street, Division to Hawthorne....	40.00	
Eugene street	5.00	
East Grant street, Sixth to Ninth.....	5.20	
Kearney street, Twenty-first to Twenty-third....	34.50	
Alder street, River to Sixth	2.70	
East Tenth street, Tillamook to Hancock.....	34.72	
Kelly street, Curry to Woods	3.20	158.40
East Thirty-fifth street, et al.	17.25	390.37
Stanton street, 125 feet west of Union to Rodney.	2.15	
Belmont street, Eighteenth to Sixteenth		94.42
Stanton street, 138¾ feet east of, to Mississippi...	15.42	
East Sixteenth street, 460 feet north of to sewer in East Davis		241.96
Tillamook and East Eighth streets	83.75	
Eugene street, 140 feet East of Rodney avenue to sewer in Rodney avenue		12.07
East Ankeny street, Sixteenth to Twentieth	4.90	47.45
East Eighth street, Broadway to Holladay.....	72.34	108.34
East Sixth and East Madison 'streets.....	50.80	250.00
East Washington street, Eighth to Twelfth.....	15.92	191.52
Morris street, East Seventh to Union avenue....		19.25
East Thirty-third, Morrison to Belmont	7.23	111.80
East Fourteenth street, Broadway to Hancock...	11.50	80.00
Gantenbein avenue, Page to Russell.....		52.50
Tanner Creek	12.61	
Marshall street, Twenty-fourth to Twenty-fifth..	54.75	105.25
San Rafael street, Rodney to Williams avenue...	14.10	
East Twenty-sixth street, 130 feet south of East Salmon to East Taylor street.....		318.20
Totals	\$1,159.63	\$5,272.64

STREET EXTENSION FUNDS.

	Bal, in Fund Dec. 31, 1899	War. Out'g Dec. 31, 1899
Heights Terrace	\$ 10.00	\$ 415.00
Eleventh street	14.70	14.70
Q street	5.00	5.00
Hawthorne avenue	19.40	19.40
Ellsworth street		70.00
Vaughn street		1,350.00
Dawson street	12.00	12.00
North Twenty-second street		1.00
Commercial street	2.00	2.00
Sixth street, north to south line of Sheridan	71.27	71.27
Peninsular avenue	6.16	6.16
Clinton street	20.65	20.65
East Twenty-eighth street	10.00	10.00
Willis boulevard	5.00	5.00
Belmont street	3.27	
Clinton street	31.00	
South Fourth street		150.00
East Burnside street	8.50	8.00
Fifteenth street, Terminal to Front	805.80	
St. Helens road	110.15	
Sixteenth street, Upshur to Front	485.75	
Total	\$1,620.65	\$2,160.18

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

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

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

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

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

City Hall Block. Block 56, city.

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

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

Block.	Lot.	Addition.
Central Park .....	.....	Ladd's
North Park .....	.....	Ladd's
South Park .....	.....	Ladd's
West Park .....	.....	Ladd's
East Park .....	.....	Ladd's
30	4	City
*30	N. ½ of 3	City
*50	6	City
*9	N. ½ of 4	City
*143	6	City

*315	E. ½ of 8	City
*128	3	Caruthers
*99	E. ½ of 2, 3	Couch
*291	2	Couch

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

City Park. Blocks Nos. 132, 133, 140, 141, Holladay's Addition to East Portland.

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

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

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

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

* Under control of the Portland Paid Fire Department.

All of the following bounded and described real property situated in the County of Multnomah and State of Oregon, to-wit: Beginning at a point in the division line between the lands of Cornelia J. Poole and Samuel W. Poole (hereinafter more particularly described), situated north 45 degrees 45 minutes west, 632.4 feet distant from a certain stone 6x6x20 inches in size, situated in the center of the St. Helens County road at the south end of said division line above mentioned, the same being between those certain tracts or parcels of land set off and allotted to Cornelia J. Poole and Samuel W. Poole in a certain suit wherein said Cornelia J. Poole was plaintiff and said Samuel W. Poole and G. G. Ames, his guardian, were defendants, in the Circuit Court of the State

of Oregon for the County of Multnomah, and being the southwest corner of the tract therein set off to Samuel W. Poole, and the southeast corner of said tract so set off to Cornelia J. Poole; running thence north 45 degrees 45 minutes west, following said division line between the lands allotted to said parties above named, a distance of 283.35 feet to a point; thence north 79 degrees 37 minutes west a distance of five hundred and thirty-five and nine-tenths (535.9) feet to a point; thence south 10 degrees 23 minutes west 332 feet to a point; thence south 79 degrees 37 minutes east 277.66 feet to a point in the division line between said tract of land allotted to Cornelia J. Poole, and that certain tract of land known as the "White" tract adjoining the same on the east; thence north 40 degrees east following said last-mentioned line a distance of 136.47 feet to the northeast corner of said White tract; thence south 45 degrees 45 minutes east following the east line of said White tract a distance of 324.1 feet to a point; thence north 44 degrees 15 minutes east a distance of 286.9 feet to the place of beginning.

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

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

MACLEAY PARK—DONATED BY DONALD MACLEAY.

Beginning at the quarter section corner between sections 31 and 32, township 1 north, range 1 east of Willamette meridian, and running thence west twenty-four (24) chains to a point; thence north twenty (20) chains to a point; thence east thirty-nine and 18-100 (39.18) chains to a point; thence south one and sixty-one one-hundredths (1.61) chains to the southwest corner of the Danforth Balch donation land claim; thence east sixteen (16) chains; thence south eighteen and 39-100 (18.39) chains to a point; thence west thirty-one and 18-100 (31.18) chains to the place of beginning; containing one hundred and seven and 78-100

(107.78) acres, more or less, together with all and singular the tenements, hereditaments and appurtenances thereunto belonging or in any wise appertaining, and for the uses and purposes of a City Park, to be known as "Macleay Park."

GOVERNOR'S PARK—DONATED BY SYLVESTER PENNOYER.

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

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

Beginning at a point on the west line of a tract lettered "D," in the Samuel M. Kyle claim (which same tract "D" was set apart to Anna Hart by decree of the Circuit Court for Multnomah County, Oregon, recorded in the suit of William Moss against Thomas Moss and others, which decree appears spread of record in Journal 50, page 290, of the records of said court, to which decree reference is hereby had for a more particular description of said tract "D"), where the same is intersected by the center of creek or stream in Brandies' Canyon crossing said tract; thence south along the west line of said tract "D" two hundred and twenty-one (221) feet to the southwest corner

of said tract "D"; thence easterly along the south line of said tract five hundred and twelve (512) feet; thence north at right angles to last-named line one hundred and seventy-three and twenty hundredths (173.20) feet more or less to the center of the stream in said Brannies' Canyon aforesaid; thence northwesterly following the middle line of said stream to the place of beginning; containing two (2) acres; with the right, power and authority to use said premises for a hospital or pesthouse.

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

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

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

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

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

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

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

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

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

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

A tract of land bounded on the south by the north line of block 102 in Caruthers' Addition; on the west by the east line of the proposed extension of Hood street; on the north by a line parallel with and 100

feet north of the north line of said block 102, and on the east by a line parallel with and 100 feet east of the east line of the proposed extension of Hood street; purchased May 14, 1884, for the extension of Hood street to its junction with Water street.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Lot 9, block 14, Multnomah; purchased September 12, 1895, for the improvement of Mississippi avenue.

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

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

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

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

ning; purchased April 30, 1896, for the improvement of South Second street from Sheridan to Gibbs streets.

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

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

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

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

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

South $\frac{1}{2}$ block 314, city; purchased January, 1872, for the improvement of Washington street.

The undivided $\frac{1}{2}$ of the E. $\frac{1}{2}$ of lot 3, block C, Subdivision 25, of Carter's Addition; purchased February 5, 1885, for improvement of Montgomery street.

Tract between the north line of W street and the division line between the north $\frac{1}{2}$ and the south $\frac{1}{2}$ of Blackistone's donation land claim, and between the west line of North Twenty-first street and a line 100 feet westerly therefrom; purchased April 2, 1885, for the extension of North Twenty-first street.

Lot 6, block 10, Blackistone's addition, purchased April 2, 1885, for extension of North Twenty-first street.

Lot 1, block 9, Blackistone's addition, purchased April 2, 1885, for extension of North Twenty-first street.

Lot 4, block 9, Blackistone's addition, purchased for extension of North Twenty-first street.

Lot 5, block 9, Blackistone's addition, purchased for extension of North Twenty-first street.

Lot 8, block 9, Blackistone's addition, purchased for extension of North Twenty-first street.

Lot 3, block 10, Blackistone's addition, purchased for extension of North Twenty-first street.

Lot 2, block 10, Blackistone's addition, purchased for extension of North Twenty-first street.

Lot 7, block 10, Blackistone's addition, purchased for extension of North Twenty-first street.

Lots 5, 6, block 11, Tibbetts' addition, purchased for taxes, 1880. (Not on S. B.)

Lots 7, 8, block 50, Caruthers' addition, purchased June 11, 1885, for improvement of Front and South Front streets.

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

TREASURER'S ANNUAL REPORT

For Quarter Ending March 31, 1899

Balance in treasury as per report December 31, 1898	\$146,339.21
Balance New York to redeem interest coupons, December 31, 1898	17,140.00
Balance Oregon National bank (defunct)	7,287.32
Balance Union Banking Co. (defunct)	11,458.68
Balance Ladd & Tilton, order of council	33,311.13
Received from all sources	200,082.39
Disbursed	\$304,051.47
Balance New York to redeem interest coupons..	185.00
Balance Oregon National bank (defunct)	7,287.32
Balance Union Banking Co. (defunct).....	11,458.68
Balance Ladd & Tilton, order of council	33,311.13
Balance treasury	59,325.13
	<hr/>
	\$415,618.73 \$415,618.73

GENERAL FUND.

Balance as per report December 31, 1898	\$ 12,632.66½
Received general licenses	28,325.08
Received dog licenses	124.50
Received Multnomah county rent	195.00
Received Hoyt, R. W., county treasurer, tax 1897	19,194.03
Received Hoyt, R. W., county treasurer, tax 1898	10,212.26
Received Hoyt, R. W., county treasurer, delinquent tax sundry years	450.46
Received McLauchlan, D. M., chief of police, costs	46.50
Received E. Ryan, horse sold	30.00
Received Hennessy, F. D., fines and costs, municipal court	763.50
Received Beck, W. G., abatement of nuisance .	18.75
Received Spencer, E. W., machinery Stark-street ferry	500.00

Received Wheeler, C. H.		1.25	
Received Caswell, A., pound fees		60.25	
Received Robinson, E., pound fees		48.25	
Received miscellaneous delinquent taxes		98.98	
Received miscellaneous costs		19.75	
Received Meyers, C. M., bear sold		2.00	
Received Allen, H. S., school clerk, rent		120 00	
Transferred from St. C. & S. fund			4,075.35
Transferred to improvement bond interest fund.	\$ 650.00		
Transferred to St. C. & S. fund.....	676.05		
Transferred to police department fund	5,577.11		
Transferred to two-mill fund	140.00		
Warrants paid and returned	49,260.66		
Balance	20,614.75½		
		\$ 76,918.57½	\$ 76,918.57½

FIRE DEPARTMENT FUND.

Balance as per report December 31, 1898.....		\$ 9,342.61	
Received Hoyt, R. W., tax 1897.....		6,398.01	
Received Hoyt, R. W., tax 1898.....		6,384.68	
Received Weidler, M. W., horse and material sold			165.69
Warrants paid and returned	\$ 20,250.06		
Interest paid on warrants	27.75		
Balance	2,013.18		
		\$ 22,290.99	\$ 22,290.99

POLICE DEPARTMENT FUND.

Balance as per report December 31, 1898		\$ 254.66	
Transferred from general fund			5,577.11
Warrants paid and returned	\$ 5,732.50		
Balance	99.27		
		\$ 5,831.77	\$ 5,831.77

STREET-CLEANING AND SPRINKLING FUND.

Balance as per report December 31, 1898.....		\$ 1,325.07	
Transferred from general fund		676.05	
Received general licenses		3,665.37	
Received Hennessy, F. D., fines and costs mu-			

TREASURER'S REPORT.

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municipal court		393.50
Transferred to general fund	\$ 4,075.35	
Warrants paid and returned	1,932.64	
Balance	52.00	
	<hr/>	
	\$ 6,059.99	\$ 6,059.99

STREET IMPROVEMENT FUND.

Balance as per report December 31, 1898.....		\$ 6,164.58½
Received sundry collections		25,994.83
Warrants paid and returned	\$ 21,626.73	
Balance	10,532.68½	
	<hr/>	
	\$ 32,159.41½	\$32,159.41½

SEWER FUND.

Balance as per report December 31, 1898.....		\$ 797.86
Received sundry collections		1,247.17
Warrants paid and returned	\$ 1,095.12	
Balance	949.91	
	<hr/>	
	\$ 2,045.03	\$ 2,045.03

IMPROVEMENT FUND.

Balance in treasury as per report December 31, 1898		\$ 2,473.15
Received Ladd & Tilton, December 31, 1898		33,311.13
Received sundry collections		3,170.34
Balance Ladd & Tilton	\$ 33,311.13	
Balance treasury	5,643.49	
	<hr/>	
	\$ 38,954.62	\$ 38,954.62

STREET EXTENSION FUND.

Balance as per report December 31, 1898.....		\$ 1,883.10
Received sundry collections		11,867.00
Warrants paid and returned	\$ 12,773.00	
Balance	977.10	
	<hr/>	
	\$ 13,750.10	\$ 13,750.10

LITIGATION FUND.

Balance as per report December 31, 1898.....	\$	70.47	
Received from J. M. Long, city attorney		3.25	
Received from general fund		100.00	
City attorney's orders paid and returned	\$	106.75	
Balance		66.97	
	\$	173.72	\$ 173.72

BONDED INDEBTEDNESS INTEREST FUND.

Balance in treasury December 31, 1898	\$	39,638.25	
Balance in New York December 31, 1898		17,140.00	
Received Hoyt, R. W., tax 1898		7,544.05	
Warrants and coupons paid and returned	\$	35,101.50	
Balance in New York to redeem interest coupons		185.00	
Balance in treasury		29,035.80	
	\$	64,322.30	\$ 64,322.30

IMPROVEMENT BOND INTEREST FUND.

Balance as per report December 31, 1898	\$	1,245.77	
Transferred from general fund		650.00	
Received sundry collections		263.48	
Coupons redeemed and returned	\$	1,991.08	
Balance		168.17	
	\$	2,159.25	\$ 2,159.25

WILLAMETTE RIVER FUND.

Balance as per report December 31, 1898.....	\$	8.71	
Balance	\$	8.71	
	\$	8.71	\$ 8.71

WATER BOND INTEREST FUND.

Balance as per report, December 31, 1898	\$	225.00	
Received of city water committee		72,500.00	
Coupons redeemed and returned	\$	71,200.00	
Balance		1,525.00	
	\$	72,725.00	\$ 72,725.00

EAST SIDE WATER EXPENSE FUND.

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

FIRE BADGE REDEMPTION FUND.

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

EAST PORTLAND WATER FUND.

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

BOULEVARD FUND.

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

FUND FOR REPAYMENT OF TWO-MILL TAX.

Balance as per report December 31, 1898		\$	37.45
Transferred from general fund			140.00
Warrants paid and returned	\$	124.45	
Balance		53.00	
	\$	177.45	\$ 177.45

STREET AND SEWER INTEREST FUND.

Balance as per report December 31, 1898		\$	1,111.61
Received sundry collections			174.46
Interest paid on warrants	\$	121.24	
Balance		1,164.83	
	\$	1,286.07	\$ 1,286.07

GENERAL FUND REDEMPTION OF WARRANTS.

Balance as per report December 31, 1898		\$ 87,563.23
Warrants paid	\$ 78,055.37	
Interest paid on warrants	4,652.62	
Balance	4,855.24	
		<hr/>
	\$ 87,563.23	\$ 87,563.23

GENERAL SUMMARY.

Balance in treasury, as stated	\$ 59,325.13	
Balance Ladd & Tilton, as stated	33,311.13	
Balance New York, as stated	185.00	
• Balance Oregon National bank (defunct)	7,287.32	
Balance Union Banking Co. (defunct)	11,458.68	
Credited as follows:		
General fund		\$ 20,614.75½
Fire department fund		2,013.18
Police department fund		99.27
Street-cleaning and sprinkling fund		52.00
Street improvement		10,532.68½
Sewer		949.91
Improvement (treasury)		5,643.49
Improvement (Ladd & Tilton)		33,311.13
Street extension		977.10
Litigation		66.97
Bonded indebtedness interest (New York)		185.00
Bonded indebtedness interest (treasury)		29,035.80
Improvement bond interest		168.17
Water bond interest		1,525.00
Willamette river		8.71
East Side water expense		1.90
Fire badge redemption		75.00
East Portland water		16.35
Boulevard		217.77
Fund for repayment two-mill tax		53.00
Street and sewer interest		1,164.83
General redemption of warrants		4,855.24
		<hr/>
	\$111,567.26	\$111,567.26

For Quarter Ending June 30, 1899.

Balance in treasury as per report March 31, 1899	\$ 59,325.13
Balance New York to redeem interest coupons, March 31, 1899	185.00
Balance Oregon National Bank (defunct)	7,287.32
Balance Union Banking Co. (defunct)	11,458.68
Balance Ladd & Tilton (order of council).....	33,311.13
Received from all sources	264,422.00
Disbursed	\$153,400.38
Balance New York to redeem interest coupons..	13,460.00
Balance Oregon National bank (defunct)	7,287.32
Balance Union Banking Co. (defunct)	11,458.68
Balance Ladd & Tilton (order of council)	48,651.99
Balance treasury	141,730.89
	\$375,989.26 \$375,989.26

GENERAL FUND.

Balance as per report March 31, 1899	\$ 20,614.75½
Received general licenses	31,776.80
Received dog licenses	370.50
Received Multnomah county, rent	195.00
Received Ralph W. Hoyt, county treasurer, tax 1898	7,809.82
Received Ralph W. Hoyt, county treasurer, de- linquent taxes sundry years	703.64
Received McLaughlan, D. M., chief of police, costs	108.75
Received Hennessy, F. D., fines and costs mu- nicipal court	208.00
Received Patterson, Wm., pound fees.....	230.50
Received miscellaneous delinquent taxes	266.98
Received miscellaneous costs	13.55
Received Allen, H. S., school clerk, rent	80.00
Received Ryan, E., for sale of horse	30.00
Received Gambell, A. N., cost engineering and penalty	974.87
Received Caswell, A., pound fees	125.00
Received Marx, J., for boiler tubing	13.50
Warrants paid and returned	\$ 41,985.39
Balance	21,536.27½
	\$ 63,521.66½ \$63,521.66½

 FIRE DEPARTMENT FUND.

Balance as per report March 31, 1899	\$ 2,013.18	
Received Hoyt, R. W., county treasurer, taxes 1898	4,462.75	
Received Hoyt, R. W., county treasurer, taxes 1899	23,736.72	
Warrants paid and returned	\$ 21,216.61	
Balance	8,996.04	
	<hr/>	
	\$ 30,212.65	\$ 30,212.65

POLICE DEPARTMENT FUND.

Balance as per report March 31, 1899	\$ 99.27	
Received Hoyt, R. W., tax 1899	20,769.71	
Warrants paid and returned	\$ 15,070.33	
Balance	5,798.65	
	<hr/>	
	\$ 20,868.98	\$ 20,868.98

STREET-CLEANING AND SPRINKLING FUND.

Balance as per report March 31, 1899	\$ 52.00	
Balance	\$ 52.00	
	<hr/>	
	\$ 52.00	\$ 52.00

STREET REPAIR FUND.

Received Hoyt, R. W., tax 1899	\$ 2,967.10	
Warrants paid and returned	\$ 2,099.54	
Balance	867.56	
	<hr/>	
	\$ 2,967.10	\$ 2,967.10

STREET IMPROVEMENT FUND.

Balance as per report March 31, 1899	\$ 10,532.68½	
Received sundry collections	14,253.36	
Warrants paid and returned	\$ 17,566.72	
Balance	7,219.32½	
	<hr/>	
	\$ 24,786.04½	\$ 24,786.04½

SEWER FUND.

Balance as per report March 31, 1899	\$	949.91
Received sundry collections		5,823.12
Warrants paid and returned	\$	5,191.12
Balance		1,581.91
	\$	6,773.03
	\$	6,773.03

IMPROVEMENT FUND.

Balance treasury per report March 31, 1899	\$	5,643.49
Balance Ladd & Tilton		33,311.13
Balance sundry collections		10,035.12
Balance Ladd & Tilton	\$	48,651.99
Balance in treasury		337.75
	\$	48,989.74
	\$	48,989.74

STREET EXTENSION FUND.

Balance as per report March 31, 1899	\$	977.10
Received sundry collections		232.47
Warrants paid and returned	\$	677.00
Balance		532.57
	\$	1,209.57
	\$	1,209.57

LITIGATION FUND.

Balance as per report March 31, 1899	\$	66.97
Received from general fund		200.00
City attorney's order paid and returned	\$	223.25
Balance		43.72
	\$	266.97
	\$	266.97

BONDED INDEBTEDNESS INTEREST FUND.

Balance in treasury March 31, 1899	\$	29,035.80
Balance in New York March 31, 1899		185.00
Received Hoyt, R. W., tax 1898		5,578.43
Received Hoyt, R. W., tax 1899		29,670.88
Received city water committee		7,500.00
Warrants and coupons paid and returned	\$	30,588.50
Balance in New York to redeem interest coupons		13,460.00
Balance in treasury		27,921.61
	\$	71,970.11
	\$	71,970.11

 IMPROVEMENT BOND INTEREST FUND.

Balance as per report March 31, 1899	\$	168.17
Received sundry collections		5,630.60
Coupons redeemed and returned	\$	3,155.98
Balance		2,642.79
	\$	5,798.77
	\$	5,798.77

LIGHT FUND.

Received Hoyt, R. W., tax 1899	\$	17,802.54
Warrants paid and returned	\$	14,538.89
Balance		3,263.65
	\$	17,802.54
	\$	17,802.54

WILLAMETTE RIVER FUND.

Balance as per report March 31, 1899	\$	8.71
Balance	\$	8.71
	\$	8.71
	\$	8.71

WATER BOND INTEREST FUND.

Balance as per report March 31, 1899	\$	1,525.00
Received city water committee		72,500.00
Coupons redeemed and returned	\$	25.00
Balance		74,000.00
	\$	74,025.00
	\$	74,025.00

EAST SIDE WATER EXPENSE FUND.

Balance as per report March 31, 1899	\$	1.90
Balance	\$	1.90
	\$	1.90
	\$	1.90

FIRE BADGE REDEMPTION FUND.

Balance as per report March 31, 1899	\$	75.00
Balance	\$	75.00
	\$	75.00
	\$	75.00

EAST PORTLAND WATER FUND.

Balance as per report March 31, 1899		\$	16.35
Balance	\$	16.35	
	\$	16.35	\$ 16.35

BOULEVARD FUND.

Balance as per report March 31, 1899		\$	217.77
Balance	\$	217.77	
	\$	217.77	\$ 217.77

FUND FOR REPAYMENT OF TWO-MILL TAX.

Balance as per report March 31, 1899		\$	53.00
Warrants paid and returned	\$	14.34	
Balance		38.66	
	\$	53.00	\$ 53.00

STREET AND SEWER INTEREST FUND.

Balance as per report March 31, 1899		\$	1,164.83
Received sundry collections		352.29	
Interest paid on warrants	\$	367.20	
Balance		1,149.92	
	\$	1,517.12	\$ 1,517.12

GENERAL FUND DEDEMPTION OF WARRANTS.

Balance as per report March 31, 1899		\$	4,855.24
Warrants paid	\$	636.17	
Interest paid on warrants		44.34	
Balance		4,174.73	
	\$	4,855.24	\$ 4,855.24

GENERAL SUMMARY.

Balance in treasury, as stated.....	\$141,730.89
Balance Ladd & Tilton, as stated	48,651.99
Balance New York as stated	13,460.00
Balance Oregon National bank (defunct)	7,287.32
Balance Union Banking Co. (defunct)	11,458.68

Credited as follows:

General fund	\$ 21,536.27½
Fire department fund	8,996.04
Police department fund	5,798.65
Street-cleaning and sprinkling fund	52.00
Street repair fund	867.56
Street improvement fund	7,219.32½
Sewer fund	1,581.91
Improvement fund (treasury)	337.75
Improvement fund (Ladd & Tilton)	48,651.99
Street extension fund	532.57
Litigation fund	43.72
Bonded indebtedness interest fund (New York) ..	13,460.00
Bonded indebtedness interest fund (treasury) ..	27,921.61
Improvement bond interest fund	2,642.79
Light fund	3,263.65
Water bond interest fund	74,000.00
Willamette river fund	8.71
East Side water expense fund	1.90
Fire badge redemption fund ..	75.00
East Portland water fund	16.35
Boulevard fund	217.77
Fund for repayment two-mill tax	38.66
Street and sewer interest fund	1,149.92
General redemption of warrants	4,174.73

\$222,588.88 \$222,588.88

For Quarter Ending September 30, 1899.

Balance in treasury June 30, 1899	\$141,730.89	
Balance in Ladd & Tilton June 30, 1899 (by order of council)	48,651.99	
Balance in New York June 30, 1899	13,460.00	
Balance in Oregon National bank (defunct) ...	7,287.32	
Balance in Union Banking Co. (defunct)	11,458.68	
Received from all sources	184,816.98	
Disbursed		\$229,474.75
Order No. 11,313, Oregon National bank, balance		7,287.32
Balance New York, to redeem interest coupons.		435.00
Balance Union Banking Co. (defunct)		11,458.68
Balance Ladd & Tilton (order of council).....		50,781.72
Balance treasury		107,968.39
		<hr/>
	\$407,405.86	\$407,405.86

GENERAL FUND.

Balance as per report June 30, 1899		\$ 21,536.27½
Received general licenses		32,173.30
Received dog licenses		3,037.50
Received R. W. Hoyt, county treasurer, tax 1898		7,657.04
Received Multnomah county, rent		195.00
Received A. Roberts, for repairs to sidewalks ..		27.80
Received Abbott & Church, rent Mechanics' pavilion		60.00
Received R. W. Hoyt, delinquent tax sundry years		3,134.94
Received D. C. Hoyt, rent of park		25.00
Received H. S. Allen, school clerk, rent		120.00
Received A. N. Gambell, costs eng. streets and sewers		900.79
Received W. A. Hart, repairs stand-pipe broken by Main circus		10.00
Received S. B. McBride, rent of pavilion		15.00
Received W. H. Patterson, pound fees.....		385.75
Received miscellaneous delinquent taxes		153.97
Received F. D. Hennessy, fines and costs of municipal court		257.00
Received miscellaneous costs		12.75½

Received D. M. McLauchlan, costs streets and sewers		33.00
Received S. W. Church, rent Mechanics' pavilion		120.00
Transferred to fund for payment of two-mill tax	\$ 900.00	
Ordinance No. 11,313, Oregon National bank balance	7,287.32	
Warrants paid and returned	34,248.29	
Balance	27,419.51	
		<hr/>
	\$ 69,855.12	\$ 69,855.12

FIRE DEPARTMENT FUND.

Balance as per report June 30, 1899		\$ 8,996.04
Received R. W. Hoyt, tax 1898		4,375.45
Received R. W. Hoyt, tax 1899		27,777.89
Warrants paid and returned	\$ 22,137.75	
Balance	19,011.63	
		<hr/>
	\$ 41,149.38	\$ 41,149.38

POLICE DEPARTMENT FUND.

Balance as per report June 30, 1899		\$ 5,798.65
Received R. W. Hoyt, taxes 1899		24,305.65
Warrants paid and returned	\$ 28,831.99	
Balance	1,272.31	
		<hr/>
	\$ 30,104.30	\$ 30,104.30

STREET-CLEANING AND SPRINKLING FUND.

Balance as per report June 30, 1899		\$ 52.00
Warrants paid and returned	\$ 10.00	
Balance	42.00	
		<hr/>
	\$ 52.00	\$ 52.00

STREET REPAIR FUND.

Balance as per report June 30, 1899		\$ 867.56
Received R. W. Hoyt, tax 1899		3,472.24
Warrants paid and returned	\$ 3,109.46	
Balance	1,230.34	
		<hr/>
	\$ 4,339.80	\$ 4,339.80

STREET IMPROVEMENT FUND.

Balance as per report June 30, 1899	\$ 7,219.32½	
Received sundry collections		8,924.99½
Warrants paid and returned	\$ 10,451.93	
Balance	5,692.39	
	<hr/>	
	\$ 16,144.32	\$ 16,144.32

SEWER FUND.

Balance as per report June 30, 1899	\$ 1,581.91	
Received sundry collections		3,330.03
Warrants paid and returned	\$ 3,348.07	
Balance	1,563.87	
	<hr/>	
	\$ 4,911.94	\$ 4,911.94

IMPROVEMENT FUND.

Balance in treasury as per report June 30, 1899..	\$ 337.75	
Balance Ladd & Tilton, report June 30, 1899 (or- der of council)		48,651.99
Received sundry collections		1,791.98
Balance Ladd & Tilton (order of council).....	\$ 50,781.72	
	<hr/>	
	\$ 50,781.72	\$ 50,781.72

STREET EXTENSION FUND.

Balance as per report June 30, 1899	\$ 532.57	
Received sundry collections		936.75
Warrants paid and returned	\$ 250.00	
Balance	1,219.32	
	<hr/>	
	\$ 1,469.32	\$ 1,469.32

LITIGATION FUND.

Balance as per report June 30, 1899	\$ 43.72	
Received from J. M. Long, fees returned		6.00
Received from general fund		200.00
Vouchers paid and returned	\$ 158.35	
Balance	91.37	
	<hr/>	
	\$ 249.72	\$ 249.72

BONDED INDEBTEDNESS INTEREST FUND.

Balance in treasury as per report June 30, 1899..	\$ 27,921.61	
Balance New York to redeem interest coupons..	13,460.00	
Received R. W. Hoyt, tax 1898		5,469.32
Received R. W. Hoyt, tax 1899		34,722.36
Warrants and coupons paid and returned	\$ 30,678.00	
Balance in New York to redeem interest coupons	435.00	
Balance in treasury	50,460.29	
		<hr/>
	\$ 81,573.29	\$ 81,573.29

IMPROVEMENT BOND INTEREST FUND.

Balance as per report June 30, 1899	\$ 2,642.79	
Received sundry collections		184.22
Coupons redeemed and returned	2,453.26	
Balance	373.75	
		<hr/>
	\$ 2,827.01	\$ 2,827.01

LIGHT FUND.

Balance as per report June 30, 1899	\$ 3,263.65	
Received R. W. Hoyt, tax 1899		20,833.41
Warrants paid and returned	\$ 21,964.93	
Balance	2,132.13	
		<hr/>
	\$ 24,097.06	\$ 24,097.06

WILLAMETTE RIVER FUND.

Balance as per report June 30, 1899	\$ 8.71	
Balance	\$ 8.71	

WATER BOND INTEREST FUND.

Balance as per report June 30, 1899	\$ 74,000.00	
Received from George Good, coupon 31, bond No. 357		25.00
Coupons redeemed and returned	\$ 70,675.00	
Balance	3,350.00	
		<hr/>
	\$ 74,025.00	\$ 74,025.00

EAST SIDE WATER EXPENSE FUND.

Balance as per report June 30, 1899	\$ 1.90	
Balance	\$ 1.90	

FIRE BADGE REDEMPTION FUND.

Balance as per report June 30, 1899		\$	75.00
Balance	\$	75.00	

EAST PORTLAND WATER FUND.

Balance as per report June 30, 1899		\$	16.35
Balance	\$	16.35	

BOULEVARD FUND.

Balance as per report June 30, 1899		\$	217.77
Balance	\$	217.77	

FUND FOR REPAYMENT OF TWO-MILL TAX.

Balance as per report June 30, 1899		\$	38.66
Transferred from general fund			900.00
Warrants paid and returned	\$	700.47	
Balance		238.19	
	\$	938.66	\$ 938.66

STREET AND SEWER INTEREST FUND.

Balance as per report June 30, 1899		\$	1,149.92
Received sundry collections			142.84
Interest paid on warrants	\$	118.64	
Balance		1,174.12	
	\$	1,292.76	\$ 1,292.76

GENERAL FUND REDEMPTION OF WARRANTS.

Balance as per report June 30, 1899		\$	4,174.73
Interest paid on warrants	\$	8.21	
Warrants paid and returned		330.40	
Balance		3,836.12	
	\$	4,174.73	\$ 4,174.73

GENERAL SUMMARY.

Balance in treasury, as stated	\$107,968.39
Balance in New York to redeem interest coupons	435.00
Balance in Union Banking Co. (defunct)	11,458.68
Balance in Ladd & Tilton (by order of council)	50,781.72

Credited as follows:

General fund	\$ 27,419.51
Fire department fund	19,011.63
Police department fund	1,272.31
Street-cleaning and sprinkling fund	42.00
Street repair fund	1,230.34
Street improvement fund	5,692.39
Sewer fund	1,563.87
Improvement (Ladd & Tilton).....	50,781.72
Street extension	1,219.32
Litigation fund	91.37
Bonded indebtedness interest fund, New York..	435.00
Bonded indebtedness interest fund, treasury ...	50,460.29
Improvement bond interest fund	373.75
Light fund	2,132.13
Willamette river fund	8.71
Water bond interest fund	3,350.00
East Side water expense	1.90
Fire badge redemption fund	75.00
East Portland water fund	16.35
Boulevard fund	217.77
Fund for repayment two-mill tax	238.19
Street and sewer interest fund	1,174.12
General fund redemption of warrants	3,836.12
	<hr/>
	\$170,643.79 \$170,643.79

For Quarter Ending December 31, 1899.

Balance in treasury September 30, 1899	\$107,968.39	
Balance in Ladd & Tilton (order of council) ...	50,781.72	
Balance in New York to redeem interest coupons	435.00	
Balance in Union Banking Co. (defunct)	11,458.68	
Received from all sources	227,754.52	
Disbursed		\$133,621.89
Balance New York to redeem interest coupons.		13,290.00
Balance Union Banking Co. (defunct)		11,458.68
Balance Ladd & Tilton (order of council)		55,669.91
Balance in treasury		184,357.83
	\$398,398.31	\$398,398.31

GENERAL FUND.

Balance as per report September 30, 1899	\$ 27,419.51
Received general licenses	32,863.05
Received dog licenses	616.50
Received F. D. Hennessy, fines and costs municipal court	691.50
Received H. S. Allen, rent	200.00
Received Multnomah county, rent	195.00
Received S. B. McBride, rent	8.33
Received A. N. Gambell, costs engineering streets and sewers	409.45
Received City & Suburban Ry Co., contribution for repairs to substructure Front-street bridge across Marquam gulch	300.00
Received M. P. Fleming, fines	4.00
Received W. H. Patterson, pound fees	326.00
Received Miscellaneous costs, etc.	37.42
Received Miscellaneous delinquent taxes	450.78
Received D. M. McLaughlan, costs	32.00
Transferred from redemption fund to correct warrant charged in error	6.00
Transferred from street improvement fund....	286.10
Transferred from sewer fund	341.42
Transferred from street-cleaning and sprinkling fund	42.00

TREASURER'S REPORT.

Transferred to improvement bond interest fund.	\$ 3,250.00	
Transferred to fund for repayment two-mill tax	54.36	
Warrants paid and returned.....	31,304.47	
Balance Union Banking Co. (defunct)	11,458.68	
Balance treasury	18,161.55	
		<hr/>
	\$ 64,229.06	\$ 64,229.06

FIRE DEPARTMENT FUND.

Balance as per report, September 30, 1899.....		\$ 19,011.63
Transferred from redemption fund to correct error on warrant		2.00
Received from R. W. Hoyt, taxes 1899.....		19,955.76
Received from M. W. Weidler, secretary.....		601.00
Warrants paid and returned	\$ 22,607.83	
Balance	16,962.56	
		<hr/>
	\$ 39,570.39	\$ 39,570.39

POLICE DEPARTMENT FUND.

Balance as per report, September 30, 1899.....		\$ 1,272.31
Received from R. W. Hoyt, taxes 1899		17,461.28
Warrants paid and returned	\$ 15,541.11	
Balance	3,192.48	
		<hr/>
	\$ 18,733.59	\$ 18,733.59

STREET-CLEANING AND SPRINKLING FUND.

Balance September 30, 1899		\$ 42.00
Transferred to general fund	\$ 42.00	
		<hr/>

STREET REPAIR FUND.

Balance as per report, September 30, 1899.....		\$ 1,230.34
Received from R. W. Hoyt, taxes 1899.....		2,494.46
Warrants paid and returned	\$ 2,069.05	
Balance	1,655.75	
		<hr/>
	\$ 3,724.80	\$ 3,724.80

STREET IMPROVEMENT FUND.

Balance as per report, September 30, 1899	\$ 5,692.39
Received sundry collections	8,328.41
Transferred to general fund	\$ 286.10
Warrants paid and returned	8,391.64
Balance	5,343.06
	<hr/>
	\$ 14,020.80 \$ 14,020.80

SEWER FUND.

Balance as per report September 30, 1899.....	\$ 1,563.87
Received sundry collections	3,085.28
Transferred to general fund	\$ 341.42
Warrants paid and returned	3,148.10
Balance	1,159.63
	<hr/>
	\$ 4,649.15 \$ 4,649.15

IMPROVEMENT FUND.

Balance Ladd & Tilton, September 30, 1899.....	\$ 50,781.72
Received sundry collections	4,932.74
Balance treasury	\$ 44.55
Balance Ladd & Tilton (order of Council).....	55,669.91
	<hr/>
	\$ 55,714.46 \$ 55,714.46

STREET EXTENSION FUND.

Balance as per report September 30, 1899.....	\$ 1,219.32
Received sundry collections	485.75
Warrants paid and returned	\$ 84.42
Balance	1,620.65
	<hr/>
	\$ 1,705.07 \$ 1,705.07

LITIGATION FUND.

Balance as per report September 30, 1899.....	\$ 91.37
Received from general fund	100.00
Received from J. M. Long, fees returned.....	2.00
City attorney's fees paid and returned.....	\$ 156.90
Balance	36.47
	<hr/>
	\$ 193.37 \$ 193.37

BONDED INDEBTEDNESS INTEREST FUND.

Balance as per report Sept. 30, 1899, treasury...	\$ 50,460.29	
Balance as per report Sept. 30, 1899, New York.		435.00
Received from Water Committee.....		7,500.00
Received R. W. Hoyt, taxes 1899.....		24,944.68
Warrants and coupons paid and returned.....	\$ 30,566.75	
Balance treasury	39,483.22	
Balance New York	13,290.00	
		<hr/>
	\$ 83,339.97	\$ 83,339.97

IMPROVEMENT BOND INTEREST FUND.

Balance as per report September 30, 1899.....	\$ 373.75	
Transferred from general fund		3,250.00
Received sundry collections		126.04
Coupons paid and returned	\$ 2,434.27	
Balance	1,315.52	
		<hr/>
	\$ 3,749.79	\$ 3,749.79

LIGHT FUND.

Balance as per report September 30, 1899.....	\$ 2,132.13	
Received R. W. Hoyt, tax 1899.....		14,966.81
Warrants paid and returned	\$ 13,143.95	
Balance	3,954.99	
		<hr/>
	\$ 17,098.94	\$ 17,098.94

WILLAMETTE RIVER FUND.

Balance as per report September 30, 1899.....	\$ 8.71	
Balance	\$ 8.71	
		<hr/>

WATER BOND INTEREST FUND.

Balance as per report September 30, 1899.....	\$ 3,350.00	
Received from City Water Committee.....		72,500.00
Coupons redeemed and returned	\$ 2,800.00	
Balance	73,050.00	
		<hr/>
	\$ 75,850.00	\$ 75,850.00

EAST SIDE WATER EXPENSE FUND.

Balance as per report September 30, 1899.....	\$	1.90
Balance	\$	1.90

FIRE BADGE REDEMPTION FUND.

Balance as per report September 30, 1899.....	\$	75.00
Balance	\$	75.00

EAST PORTLAND WATER FUND.

Balance as per report September 30, 1899.....	\$	16.35
Balance	\$	16.35

BOULEVARD FUND.

Balance as per report September 30, 1899.....	\$	217.77
Balance	\$	217.77

FUND FOR REPAYMENT TWO-MILL TAX.

Balance as per report September 30, 1899.....	\$	238.19
Transferred from general fund		54.36
Warrants paid and returned.....	\$	265.52
Balance		27.03
	\$	292.55
	\$	292.55

STREET AND SEWER INTEREST FUND.

Balance as per report September 30, 1899.....	\$	1,174.12
Received sundry collections		317.37
Interest paid on warrants	\$	258.97
Balance		1,232.52
	\$	1,491.49
	\$	1,491.49

GENERAL FUND.

Redemption of warrants:

Balance as per report September 30, 1899.....	\$	3,836.12
Transferred to general fund to correct warrant paid in error	\$	6.00

Transferred to fire department fund.....	2.00	
Warrants paid and returned	803.78	
Interest paid on warrants	45.13	
Balance	2,979.21	
		<hr/>
	\$ 3,836.12	\$ 3,836.12

UNDISTRIBUTED DELINQUENT TAX FUND.

Received R. W. Hoyt, delinquent tax 1898.....		\$ 12,837.39
Received R. W. Hoyt, delinquent taxes sundry years		981.52
Balance	\$ 13,818.91	
		<hr/>
	\$ 13,818.91	\$ 13,818.91

GENERAL SUMMARY.

Balance in treasury as stated	\$184,357.83
Balance in New York, to redeem interest coupons	13,290.00
Balance Union Banking Co. (defunct).....	11,453.68
Balance Ladd & Tilton (order of council).....	55,669.91

Credited as follows:

General fund	\$ 18,161.55
General fund (Union Banking Co.).....	11,458.68
Fire department fund	16,962.56
Police department fund	3,192.48
Street repair fund	1,655.75
Street improvement fund	5,343.06
Sewer fund	1,159.63
Improvement Ladd & Tilton	55,669.91
Improvement treasury	44.55
Street extension fund	1,620.65
Litigation fund	36.47
Bonded indebtedness interest (N. Y.).....	13,290.00
Bonded indebtedness interest (treasury).....	39,483.22
Improvement bond interest	1,315.52
Light fund	3,954.99
Willamette river	8.71
Water bond interest	73,050.00
East Side water expense	1.90
Fire badge redemption	75.00
East Portland water fund	16.35

Boulevard fund	217.77
Fund for repayment two-mill tax.....	27.03
Street and sewer interest fund	1,232.52
General fund, redemption of warrants.....	2,979.21
Undistributed delinquent tax	13,818.91
	<hr/>
	\$264,776.42 \$264,776.42



STREET IMPROVEMENT FUND.

Balance in fund as stated\$ 5,343.06

Credited as follows:

Fifth street (Stephens to Adams).....	\$ 6.51
M street (Fourth to Twelfth)	43.16
Clinton street (Twelfth to Twenty-first)	62.73
R street	186.75
Chapman street	35.05
Front street (Gaines to First avenue).....	18.55
Hood street	14.64
Taylor street (Tenth to Fourteenth).....	1.41
Second street (Sheridan to Gibbs).....	1.85
Clifton street	79.00
Clay street (Fourth to City boundary)	4.80
Fifth street (Kearney to Ellsworth).....	207.48
G street (east to west end)	21.20
Elliott street (Helen to Williams).....	83.00
Twenty-second street North (J to P).....	41.41
H street (east to west end).....	10.45
H street (Twenty-second to Twenty-third).....	43.64
Twenty-third street (F to J).....	45.54
G street (Third to West Park).....	13.74
Multnomah street (Grover to Curry).....	9.10
Glisan street (Ninth to Twelfth).....	6.00
East Sixteenth street (Holladay to Belmont)..	26.89
Weidler street .....	.94
Shaver street (Maryland to Williams).....	4.20
East Twenty-fourth street (formerly A).....	30.96
East Oak street (Second to Water).....	1.85
East Eighth street (Ainsworth to Dekum ave.)	15.25
Tacoma avenue	104.17
Spokane avenue	64.15
Fifth street, Sellwood.....	13.41
Umatilla avenue	361.23
Morrison street (Front to Chapman).....	6.57
East Seventeenth street (Morrisou to Stark)...	12.00
East Harrison street (Eleventh to Third).....	3.14
Beacon street (Milwaukie to East Eighth)....	8.44
Cable street (Mill to Terrace Road).....	13.50
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).....	64.09
Nineteenth street (Thurman to Sherlock).....	5.00
Front street (Madison to Lincoln).....	33.48
East Second street (Oak to Washington).....	6.38
Third street (Main to Columbia).....	6.50
Columbia street (First to Front).....	1.00
Marshall street (Sixteenth to Twenty-second).	4.55
Hawthorne avenue	97.00
Hamilton avenue (south half).....	5.60
Clinton street	22.33
Gantenbein avenue	2.84
Commercial street	135.73
East Water (Oak to Hawthorne avenue).....	125.28
Belmont street	107.49
Fourth street (Jefferson to Burnside).....	28.81
Constance street	9.40
Going street	57.25
Taylor street (Thirty-fourth to Thirty-eighth).	5.00
Stark street (Fourth to Sixth).....	.90
Fourth street (Burnside to Glisan).....	38.35
First street (Stark to Madison).....	29.52
Russell street (Williams to Delay).....	66.30
Thirteenth street (Glisan to Hoyt).....	1.50
First street (Burnside to Stark).....	4.22
Hood street (50 ft. s. to 125 ft. n. Woods).....	6.00
First street (Madison to Woods).....	45.75
Grand avenue (Clay to Grant)	1.47
Columbia street (Third to Water).....	9.89
Front street (block 16, Watson's, to 31, Sher- lock's)	7.25
Yamhill street (First to Fourth)	34.03
Goldsmith street .....	.25
Pine street (Second to Third)	613.02
Fourteenth street (Quimby to Raleigh)	2.00
Grand avenue (Grant to Caruthers).....	5.50
Northrup street (Ninth to Twelfth)	30.00
Corbett street	1.90
Elm street	3.00
McMillen and Williams avenues	137.78
Eleventh street (Northrup to Quimby)	7.75
Glisan street (West Park to Twenty-second)..	50.35
Grand avenue (E. Everett to 137 ft. n. Flanders)	.25
First street (100 ft. n. to 100 ft. s. Grover)....	2.50
Front street (Woods to Grover)	2.75

Corbett street (110 ft. n. to 30 ft. s. Pennoyer) ..	2.00
Eleventh street (Hawthorne to Division)	18.59
Twenty-second street (Johnson to St. Helens road)	91.70
Kerby street (Shaver to n. line Central Albina)	28.00
Jefferson street (Sixteenth to Park).....	6.15
Front street (Madison to Burnside)	54.18
Sherman street (E. Seventh to E. Twelfth)....	8.60
Grand avenue (E. Burnside to Holladay)	19.24
E. Thirty-second street (Belmont to Taylor)...	28.00
Union avenue (Burnside to Weidler).....	28.23
Corbett street (Hood to Bancroft)	11.75
Eleventh street (Montgomery to Hall)	4.75
Davis street (Twelfth to Fourteenth)	6.15
Washington street (Front to First) .....	.75
Albina avenue (Beech to n. line Central Albina)	24.63
Cleveland avenue (Shaver to Beech).....	31.62
Union avenue (12 ft. s. to 131 ft. n. Broadway)	19.68
Grand avenue (11 ft. n. Stark to 111 ft. n. Oak)	21.49
Pettygrove street (Sixteenth to Twentieth)....	44.06
E. Morrison street (Union to Grand)	15.50
Commercial street (Shaver to Alberta)	4.72
Seventeenth street (Marshall to Quimby).....	78.86
E. Seventh street (Hawthorne to E. Sherman)..	98.15
Salmon street (Fifth to Twelfth)	36.28
Alder street (Front to Sixth)	5.27
Caruthers street (Front to Hood)	28.90
E. Morrison street (Eighth to Ninth).....	14.40
Fifth street (Morrison to Alder).....	37.52
E. Third street (20 ft. n. to 20 ft. s. of Stark)....	34.13
Front street (150 ft. n. to 70 ft. s. of Lane)....	36.51
E. Twelfth street (Stark to 70 ft. s. of E. Oak)..	30.93
Everett street (Third to Ninth)	29.08
Chapman street (Salmon to Taylor)	14.61
Seventeenth street (60 ft. to 254 ft. n. of Vaughn)	.02
Clay street (Water to Third)	41.48
Grand avenue (Fremont to Lincoln)	227.30
Lovejoy street (Twentieth to Twenty-second)..	55.05
Fourteenth street (Raleigh to Savier).....	.01
Gantenbein avenue (Beech to Alberta)	72.49
Water and Hood streets	104.37
Cook avenue (Albina to Mississippi)	22.32
Russell street (Williams to Union)	50.08
Sixth street (Morrison to Hoyt)	5.46
Clinton street (Milwaukie to E. Twelfth)	10.15

Stark street (Seventh to Twelfth)	577.04
	<hr/>
	\$ 5,343.06 \$ 5,343.06

SEWER FUND.

Balance, as stated	\$ 1,159.63
Credited as follows:	
P street	\$ 127.85
Q street	38.36
Pennoyer street	9.07
Williams avenue et al.	90.00
Whittaker street	1.05
E. Alder street et al.	384.06
E. Taylor street (Nineteenth to Twenty-sixth) ..	4.00
Rodney avenue et al.	9.00
First street (Whittaker to Grover)	7.20
Macadam (Gibbs to Woods)	1.00
E. Eleventh street (Division to Hawthorne)....	40.00
Eugene street	5.00
E. Grant street (Sixth to Ninth)	5.20
Kearney street (Twenty-first to Twenty-third) ..	34.50
Alder street (River to Sixth).....	2.70
E. Tenth street (Tillamook to Hancock).....	34.72
Kelly street (Curry to Woods)	3.20
E. Thirty-fifth street et al.	17.25
Stanton street (125 ft. w. Union to Rodney)....	2.15
Stanton street (138¾ ft. e. of to Mississippi) ...	15.42
Tillamook and E. Eighth streets	83.75
E. Ankeny (Sixteenth to Twentieth).....	4.90
E. Eighth street (Broadway to Holladay).....	72.34
E. Sixth and E. Madison streets	50.80
E. Washington (Eighth to Twelfth)	15.92
E. Thirty-third (Morrison to Belmont)	7.23
E. Fourteenth street (Broadway to Hancock) ..	11.50
Tanner Creek	12.61
Marshall street (Twenty-fourth to Twenty-fifth)	54.75
San Rafael street (Rodney to Williams).....	14.10
	<hr/>
	\$ 1,159.63 \$ 1,159.63

 STREET EXTENSION FUND.

Balance in fund, as stated\$ 1,620.65

Credited as follows:

Heights Terrace	10.00
Eleventh street	14.70
Q street	5.00
Hawthorne avenue	19.40
Dawson street	12.00
Commercial street	2.00
Sixth street (n. to s. line Sheridan).....	71.27
Peninsular avenue	6.16
Clinton street	20.65
E. Twenty-eighth street	10.00
Willis boulevard	5.00
Belmont street	3.27
Clinton street	31.00
E. Burnside street	8.50
Fifteenth street (Terminal to Front).....	805.80
St. Helens road	110.15
Sixteenth street (Upshur to Front)	485.75

 \$ 1,620.65 \$ 1,620.65

Respectfully submitted,

 FRANK HACHENEY,
 City Treasurer.

CITY ENGINEER'S REPORT.

Office of the City Engineer,
Portland, Or., December 31, 1899.

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

Gentlemen—I have the honor to submit herewith the following report of the operations of this department for the year ending December 31, 1899.

STREETS.

The City of Portland has

- 3.13 miles of asphalt pavement.
- .95 mile of bituminous pavement.
- 4.08 miles of stone block pavement.
- .62 mile of brick pavement.
- 1.48 miles of wood block pavement.
- 16.73 miles of plank roadways.
- 7.89 miles of elevated roadways.
- 41.75 miles of macadamized streets.
- 42.33 miles of graveled streets.
- 79.94 miles of graded streets (unpaved).
- 452.00 miles of unimproved streets (estimated).

On account of the depressed financial conditions that have prevailed during the last five or six years, but little, comparatively speaking, has been done in the improvement of streets, either by the city government or individual property-owners. A fundamental principle of our city government is that the property-owners shall pay for the improvement and maintenance of the streets in front of their respective holdings; but, on account of the hard times, the owners did not feel able to invest largely in street improvements, and the city, for the same reason, was not in a position to supplement any effort that might have been made in that direction. But it is hoped that, with the prosperity now prevailing, our citizens will realize the necessity of taking more interest in the condition of our streets, and by judicious expenditures bring them to a higher state of perfection. Already many extensive and costly buildings are in contemplation, and, as such structures

always carry with them the improvement of the streets in their vicinity, it is confidently expected that in the next report from this department a great betterment of the conditions of our thoroughfares will be noted.

MAINTENANCE OF STREETS.

While the charter of our city provides that all street improvements must be maintained by the owners of the adjacent property, the owners of such property have the veto power, and can defeat any improvement or repair the Common Council may deem necessary or expedient. When the contracts for the permanent improvement of certain streets were awarded, one of the conditions was that the contractors should keep the street in good and thorough condition and repair for a specified number of years, but when the city undertook to enforce this provision the suit was carried to the Supreme Court, and that tribunal decided, in the case of the City of Portland vs. the Bituminous Paving Co. (33 Or. 307), that such contracts were illegal and could not be enforced. Of course, after this decision had been rendered, it was useless to try to hold the contractors responsible for the condition of the streets constructed by them.

Under section 160 of the city charter, the Common Council has authority to order temporary repairs to the street pavements, and declare, by ordinance, that the cost of the same shall be paid out of the general fund; but, as at no time since the present charter went into effect was there money in that fund available for that purpose, the Council was unable to exercise that authority.

Under these circumstances, all I could do was to call the attention of the property-owners to the condition of the street in front of their respective properties and point out to them the advisability and economy of repairing the pavements early and before the damages became serious. What success, or rather almost entire want of success, my efforts in that direction have met with, the present condition of many of our streets bear ample testimony.

Many of our citizens are of the opinion that the city charter ought to be amended so as to give the city authorities more power to enforce street improvements, and numerous suggestions have been offered. But, before the details of any charter amendments can be arranged, certain fundamental principles and policies must be defined and determined, as, for instance:

Shall the abutting property or the general fund, raised by general taxation, pay for the pavements and street improvements?

Shall the abutting property or the general fund maintain the street pavements?

Shall certain classes of pavement, after having been constructed by the property-owners, be considered permanent, and be forever maintained by the city out of the general fund?

Shall an official life be determined and declared for each kind of street improvement, and the general fund maintain it during such official life, and shall the adjacent property be required to rebuild the street after the expiration of said life?

Shall the majority of the property-owners on a street have the right to veto a proposed improvement, or shall it require two-thirds or three-quarters; or shall the Common Council have power to improve a street and compel the property-owners to pay for it, regardless of their wishes?

Shall the property-owners be allowed to determine the kind of improvement to be put on a street, or shall the decision of the Common Council be final?

These questions, and many others that might be raised, are worthy, I think, of the serious consideration of all who desire to have the charter so amended as to bring our city, as regards street improvements, in line with the most advanced cities of the country.

KINDS OF PAVEMENT.

The test of time seems to indicate that, with our climatic conditions, stone block pavements are the best for heavy traffic. The objections that have been urged against this kind of pavement are that it is noisy and rough, but these objections can, in great measure, be overcome by constructing the pavement of small blocks, closely set together on a concrete foundation. It is certainly the best pavement where durability is the most important consideration.

I anticipated and still expect good results from the use of vitrified brick, but those manufactured in this vicinity have not as yet come up to the requirements of a first-class paving brick, which, however, may be accounted for by the fact that the making of these brick has, thus far, been in somewhat an experimental stage. But, with the use of improved machinery and a more thorough knowledge of our clay, better results are expected, especially as our brickmakers are already producing an article that compares well with the best Eastern pavers in the laboratory tests.

Some of our citizens seem to believe that wood blocks as a paving material are a failure. I do not share this opinion; on the contrary, I am convinced that, if properly constructed, a wood block pavement, being smooth, noiseless, sanitary and lasting, answers all the requirements of a first-class modern pavement. But I am inclined to think that

economy requires the blocks to receive some kind of treatment to preserve them from decay. On Madison-street bridge a wood block pavement is now being laid; the blocks for three of the spans are dipped in boiling asphalt, and those for the other three spans in hot carbolineum avernarius. Time will develop which process is the best. Burnside-street bridge was paved last year with wood blocks, and, though the blocks were laid plain—that is, without any chemical treatment—the pavement seems to stand well under the immense traffic of that thoroughfare. As a bridge floor covering wood blocks are certainly unsurpassed; and, as the decks of such structures are always well drained and ventilated, they will resist decay for a long period.

Macadam streets are dusty in summer and muddy in winter, but if thoroughly sprinkled in summer and well cleaned in winter, they are probably the best streets that can be constructed in the residence portion of the city, where the traffic is light, as they are comparatively cheap to build and can economically be kept in repair if constant attention is paid to their maintenance.

FOUNDATIONS.

I still continue to believe that the soul of a good pavement is its foundation, which for all first-class improvements should be of concrete. However, where the traffic is not heavy, a satisfactory pavement, for a time at least, may be built by putting the wearing surface on a well-compacted foundation of macadam or gravel; but, while some of our property-owners may adopt this plan for economical reasons, I consider a concrete foundation preferable in every way.

ELEVATED ROADWAYS.

During the last year the elevated roadways, of which we have nearly eight miles in the city, have given a great deal of trouble. Nearly all were built long ago, and at about the same time are, therefore, giving out together. With the limited means at my command, I have been unable to maintain all of them in good condition, and some had to be closed to team traffic. I believe it would be good policy to maintain fewer, but build them more substantially.

SEWERS.

Our sewers have continued to work satisfactorily. The Johnson Creek, Tanner Creek and Marquam Gulch sewers have, since the construction of receiving-basins at their heads, given no trouble whatever. Some of the new sewers, those built through the as yet sparsely settled sections of our city, are so little used that flushing will, from

time to time, especially during the summer season, be necessary. Flush-tanks should be provided for that purpose. No steps have as yet been taken to provide proper sewer facilities for the Northwestern portion of our city; plans for the Beech-street and Irvington districts have been carefully prepared by me, and they now await your action. The sewer repair force has, at times, been overtaxed in keeping some of the older sewers open and in repair, especially those built many years ago over filled ground and through the low bottom lands in the northern part of the city; but we have managed to keep them in serviceable condition, and no damages have been sustained on account of their not working.

INSPECTORS.

In order to obtain the best work of any kind, on streets, elevated roadways, bridges and sewers, continual inspection is necessary; but, when improvements are in course of progression in widely separated localities, it is impossible for this department to provide constant inspection for each with the limited number of inspectors now authorized and employed. I would suggest that a more flexible system of employing inspectors be devised, so that they may be engaged when required and dispensed with when the necessity for their services no longer exists. As under the provisions of section 137 of the city charter the expenses of engineering and supervision shall be deemed a portion of the cost of the improvement and be assessed to the property affected thereby, the wages of additional inspectors would only temporarily come out of the city treasury.

CONTRACTORS.

More stringent regulations are needed for compelling contractors to complete their work on time. When in the agreement between the city and the contractors the period in which the improvement must be finished and completed is fixed, the season of the year is always taken into consideration, as it is recognized that it requires more time to do certain kinds of work in winter than would be necessary during the summer and fall months. The contractors know when they sign the contract as to whether they will be able to complete the work by the date designated; they understand the matter perfectly, and the time should never be extended except in cases where contingencies have arisen that could not possibly have been foreseen. Allow me to quote from my report for the year 1896:

"The ordinance now in force (section 9 of ordinance No. 9,248) provides: 'If any contractor who may have entered into a contract for any work or improvement fails to complete the same within the time limited in such contract or within such further time as the Common Council

may grant him or them, he or they shall forfeit to and for the benefit of the City of Portland the sum of not less than \$5 for each day said contractor shall be delinquent, at the option of the Common Council.' * * * The property-owner in front of whose property the street is being improved does not care whether the contractor forfeits to and for the benefit of the City of Portland the sum of \$5 for each day said contractor shall be delinquent, or any other amount. Such fine, even if he received the benefit of it, which he does not, would not compensate him for the inconveniences he has been subjected to or the interruption his business may have suffered. What he is interested in, and has the right to expect, is that the city authorities will see to it that the improvement is completed within the time agreed upon."

On the other hand, the contractors ought to receive their money promptly and in full on the completion of the work and its acceptance by the city. Section 137 of the city charter provides: " * * * Provided, however, and it is hereby expressly understood, that neither the City of Portland, or any officer thereof, shall be liable for any portion of the cost or expense of any street work, by reason of the delinquency of persons or property assessed for the payment of said work, improvement or sewer, or by reason of the inability of said City of Portland to collect assessments levied for the payment of such work, improvement or sewer as aforesaid, and no money shall ever be paid out of the general fund of the city on account of any such work, improvement, or the construction of streets or sewers, but the contractors doing such work shall be required to look solely to the property affected by such improvement and the owners thereof."

Under these charter provisions, the contractors labor under great disadvantages; they have to pay for the labor and material as the work progresses, and when it is completed and accepted receive warrants from the city for the amounts due them; but these warrants cannot be paid and taken up by the City Treasurer until the assessments have been paid by the property-owners. Since the payment of these assessments are often greatly delayed, and the contractors are, as a general thing, not men of unlimited means, they are compelled to sell the warrants to speculators and money-brokers at more or less discounts, and by doing so suffer heavy losses. But it is not the contractors alone that suffer, for, after all, the chances that they may have to sell the warrants at a discount are, no doubt, taken into consideration by them when they submit their bids for the work; it is the property-owners that are mostly injured, for they have to pay more for an improvement under this system than if the transaction was made upon a strictly cash basis. The city charter ought to be amended so that provision could be made for the prompt payment of the contractors as soon as the work is completed and accepted.

BONDS.

Under the act "to provide for the issuance of bonds for the improvement of streets and laying of sewers in incorporated cities, and for the payment of the cost of such improvements and laying of sewers by installments," filed in the office of the Secretary of State, February 22, 1893, many street improvements and constructions of sewers will be made during the year 1900, especially as the Supreme Court has decided, in the case of Ladd vs. Gamble, that the property-owners who take advantage of the provisions of this law are not liable for the payment of the interest on the bonds, but that such interest must be paid by the city. While this is no doubt a proper construction of the law as it now stands, for it was made by the highest judicial tribunal of our state, the principle that the city, besides lending its credit in order that the bonds may be floated, should be required to pay the interest on the same, is certainly wrong. Efforts ought to be made at the next session of the Legislature to have the law so amended that the parties receiving its benefits shall be responsible for and be required to pay the interest.

PARKS.

City Park is located at the head of Washington street, and is the only one of our public parks on which any extensive improvements have been made. It is beautifully situated and affords magnificent views of the snow-clad peaks of Hood, Adams, St. Helens and Rainier, the Cascade chain of mountains, and the city and surrounding country. During the spring, summer and fall months it is the gathering-place of all the visitors to the city, as well as our own people, and on pleasant afternoons the transportation lines leading to it are taxed to their utmost capacity to convey all the people to and from these great recreation-grounds. It is hoped that at no distant day the city treasury may be in such condition as will warrant your honorable body in making liberal appropriations for the embellishment of this, as well as all of our other parks.

The plaza squares (Chapman and Lowndale) are in fine condition; they have been well kept during the summer and fall months, and are very attractive. The offer of Hon. D. P. Thompson to erect and dedicate to the city a large and costly fountain has been accepted by your honorable body, and Main street, between the two plaza blocks, designated as its location. As it is the intention to proceed with the erection of this fountain at once, so that it can be completed and ready for dedication on the Fourth of July next, provision should be made for the construction of new concrete sidewalks around the two plaza blocks, and for a new and appropriate street pavement on Main street, between

Third and Fourth streets. New sidewalks should also be provided around the park blocks, between Park and West Park streets, as the present ones are entirely worn out.

ELECTRIC STREET LIGHTS.

No additions have been made, during the year just closed, to the arc and incandescent lamps in the city. The total cost of lighting the city for the past year was \$60,831.27.

PERMITS ISSUED IN 1899.

To dig up streets for laying sewer pipes.....	303
To dig up streets for laying gas pipes.....	215
To dig up streets for laying water pipes.....	150
To use streets for building purposes.....	357
To use streets for moving buildings	18
To improve streets	33
To erect private lights	13

NOTICES ISSUED.

To repair sidewalks and crosswalks	2,716
Miscellaneous notices, such as to erect barricades, to trim trees, to remove obstructions, to repair roadways and bridges, to fill holes in streets, etc.....	857

COST OF BUILDINGS

Erected in 1899, or now in course of construction, as shown by permits issued, \$648,390.00. This amount does not include the large sums expended by the federal government on the new custom-house now in course of construction.

All of which is respectfully submitted.

WILLIAM B. CHASE,
City Engineer.

TABLES AND STATEMENTS HERETO APPENDED.

1. Street work estimated.
2. Streets improved and work done under ordinances.
3. Streets improved under permits.
4. Improvement of streets commenced in 1898 and finished in 1899.
5. Plans for street work prepared in 1899.
6. Bridges and elevated roadways repaired in 1899.
7. Street-extension surveys made.
8. Length and material of roadways, sidewalks and crosswalks on December 31, 1899.
9. New iron monument covers furnished in 1899.
10. Sewer work estimated.
11. Sewers constructed under ordinance.
12. Sewer plans prepared.
13. Main sewers repaired.
14. Length and description of all sewers in the City of Portland on December 31, 1899.
15. New catchbasins constructed.
16. Old catchbasins rebuilt with brick.
17. Catchbasins repaired.
18. New catchbasin gratings furnished.
19. Number of sewers flushed.
20. Manholes raised and repaired.
21. New iron manhole covers furnished.
22. New wooden manhole covers furnished.

STREET WORK ESTIMATED IN 1899—(Under Ordinance)

Number	Name of Street	Date of Estimate	No. of Ord ^e
1	Fourteenth street	January 3, 1899	11030
2	East Yamhill street	January 3, 1899	11060
3	Lovejoy street	January 17, 1899	11055
4	Larrabee street	January 27, 1899	11054
5	Vaughn street	May 2, 1899	11197
6	East Fifteenth street	May 26, 1899	11231
7	Market street	May 26, 1899	11230
8	Twentieth street	May 26, 1899	11232
9	Tenth street	July 20, 1899	11243
10	Russell street	July 22, 1899	11291
11	Clinton street	August 12, 1899	11196
12	Nineteenth street	August 12, 1899	11312
13	Stark street	September 15, 1899	11333
14	East Morrison street	September 18, 1899	11334
15	East Burnside street	October 21, 1899	11363
16	Broadway street	October 21, 1899	11362
17	East Water street	November 4, 1899	11376
18	Belmont street	November 4, 1899	11375
19	Peninsular avenue	November 20, 1899	11377
20	Kearney street	December 22, 1899	11440
	Total		

STREET WORK ESTIMATED IN 1899—(Under Ordinance), Continued

Extent of Improvement

Center line of Raleigh street to south line of Savier street
Center line of East Water street to west line of Union avenue
Twentieth street to Twenty-second street
Center line of Hancock street to north line of Hassalo street
Twenty-first street to Twenty-second street
East Morrison street to East Alder street
Fourteenth street to Seventeenth street
North line of Carter street to north line of Spring street
North line of Hoyt street to 20 feet north of south line of Northrup street Williams avenue to Union avenue
Center line of East Twelfth street to east line of Milwaukie street
South line of Morrison street to south line of Washington street
West line of Seventh street to west line of Twelfth street
12 feet e. of w. line of East Water street to 9 feet e. of w. line of Union ave
West line of East Twenty-eighth street to 12 ft. e. of w. line of Goodsell ave
East First street to East Second street
South line of East Morrison street to 20 feet south of n. line of Belmont st
East line of Union avenue to 40 feet west of east line of East Water street
South line of Pippin street to south line of Russell street
Center line of Twenty-fourth street to east line of Twenty-fifth street

STREET WORK ESTIMATED IN 1899—(Under Ordinance), Continued

Number	Name of Street	Cubic Yards			
		Exc.	Emb.	Grav'l	Mac.
1	Fourteenth street	23.0	129.0		85.4
2	East Yamhill street		1214.0		
3	Lovejoy street	762.0	78.0		1119.2
4	Larrabee street	764.9		1268.4	
5	Vaughn street	331.0	4.0		541.2
6	East Fifteenth street	524.0			
7	Market street	235.0	302.0		821.4
8	Twentieth street	541.1	430.8		904.0
9	Tenth street	259.0	5432.0		990.0
10	Russell street				
11	Clinton street	125.0	167.0		
12	Nineteenth street				
13	Stark street	57.0			823.3
14	East Morrison street				
15	East Burnside street	1715.0	156.0		
16	Broadway street	132.0	1218.0		
17	East Water street				
18	Belmont street				
19	Peninsular avenue	323.0	10.0	126.7	
20	Kearney street	451.0	43.0		511.0
	Total	6243.0	9183.8	1395.1	5795.5

STREET WORK ESTIMATED IN 1899—(Under Ordinance), Continued

Cubic Feet		Lineal Feet					
Artificial Stone Curb	Sand	Sidewalk		Cross- walk	Open Gutter	Stone Gutter	½ Elev. Road- way
		New	Relay				
		192.0		53.0			1864
		621.0		144.0			
				600.7		100	
		400.0		36.0			
		498.0	236.0	453.0		200	
		221.0		72.0			
		12.0		25.0			
				310.6			
			1792.0				
		1101.2		183.9			
		367.0					
		412.6		79.3			
		920.0					
		4744.8	2028.0	1957.5		300	1864

STREET WORK ESTIMATED IN 1899—(Under Ordinance,) Continued

Number	Name of Street	Lineal Feet—Continued			
		Box Gutter	½ Plank Road'y	Curb	
				New	Relay
1	Fourteenth street			132	
2	East Yamhill street		88		
3	Lovejoy street			955	
4	Larrabee street	281			
5	Vaughn street	36			
6	East Fifteenth street				
7	Market street				
8	Twentieth street				
9	Tenth street		430.0	181	50
10	Russell street		2518.6		
11	Clinton street				
12	Nineteenth street				
13	Stark street				
14	East Morrison street				
15	East Burnside street		1218.3		
16	Broadway street				
17	East Water street				
18	Belmont street				
19	Peninsular avenue				
20	Kearney street	36			
	Total	353	4254.9	1268	50

STREET WORK ESTIMATED IN 1899—(Under Ordinance), Continued

Lineal Feet—Continued

½ Redec'd Roadway	Relay Crosswalk	Lumber B. M.	Elevat'd Sidew'k	Redec'd Eleva'd Road'ay	½ Red'd Eleva'd Road'ay	String's	Piling
	18.0						12702
	144.0						
	432.0						
	69.0				536.0		3500
	94.8	1140	141		1146.8	1319	
		61600		2034	2034.0	4072	2210
					2016.0		
	757.8	62740	141	2034	5732.8	5391	18412

STREET WORK ESTIMATED IN 1899—(Under Ordinance), Continued

Number	Name of Street	Lineal Feet—Continued			
		Eleva'd Sidew'k	Fencing for Elev. Sidew'k	Relay Cover'g Plank & String's	Cov'g Plank and Stri'rs
1	Fourteenth street . . . . .	.	.	.	.
2	East Yamhill street . . . . .	.	.	.	.
3	Lovejoy street . . . . .	.	.	.	.
4	Larrabee street . . . . .	.	.	.	.
5	Vaughn street . . . . .	.	.	.	.
6	East Fifteenth street . . . . .	.	.	.	.
7	Market street . . . . .	.	.	.	.
8	Twentieth street . . . . .	.	.	.	.
9	Tenth street . . . . .	.	.	.	.
10	Russell street . . . . .	.	.	.	.
11	Clinton street . . . . .	.	.	.	.
12	Nineteenth street . . . . .	.	.	.	.
13	Stark street . . . . .	.	.	.	.
14	East Morrison street . . . . .	.	.	.	.
15	East Burnside street . . . . .	.	.	.	.
16	Broadway street . . . . .	.	.	.	.
17	East Water street . . . . .	.	.	.	.
18	Belmont street . . . . .	.	.	.	.
19	Peninsular avenue . . . . .	.	.	.	.
20	Kearney street . . . . .	.	.	.	.
	Total . . . . .	.	.	.	.

STREET WORK DONE IN 1899—(Under Ordinance)

Number	Name of Street	Date of Estimate	No. of Ordle
1	Haight street	July 26, 1898	10766
2	Pettygrove street	November 28, 1898	10791
3	Commercial street	August 24, 1898	10768
4	Grand avenue	October 22, 1898	10942
5	Prescott street	October 26, 1898	10941
6	Fargo street	October 27, 1898	10962
7	Gantenbein avenue	October 31, 1898	10963
8	Marshall street	October 31, 1898	10965
9	Vancouver avenue	November 17, 1898	10981
10	Cook avenue	November 25, 1898	10961
11	Albina avenue	November 22, 1898	10964
12	Seventeenth street	December 15, 1898	10923
13	Eleventh street	August 26, 1898	10922
14	Shaver street	December 25, 1898	11031
15	North ½ of Hawthorne avenue	January 13, 1899	11005
16	Chapman street	October 6, 1898	10984
17	Seventeenth street	November 20, 1898	11003
18	Fourteenth street	January 3, 1899	11030
19	East Yamhill street	January 3, 1899	11060
20	Lovejoy street	January 17, 1899	11055
21	Larrabee street	January 27, 1899	11054
22	Everett street	November 21, 1898	11004
23	Hood street	November 16, 1898	11033
24	Clay street	October 4, 1898	10983
25	Water and Hood streets	October 6, 1898	10982
26	Vaughn street	May 2, 1899	11197
27	East Fifteenth street	May 26, 1899	11231
28	Market street	May 26, 1899	11230
29	Twentieth street	May 26, 1899	11232
30	Clinton street	August 12, 1899	11196
31	Russell street	July 22, 1899	11291
	Total		

STREET WORK DONE IN 1899—(Under Ordinance), Continued

Extent of Improvement

Beech street to Alberta street	
Sixteenth street to Twentieth street	
Shaver street to Alberta street	
Fremont Park to Lincoln Park	
Union avenue to East Tenth street	
Commercial street to Borthwick street	
Beech street to Alberta street	
Twelfth street to Sixteenth street	
Hancock street to Broadway street	
Albina avenue to Mississippi avenue	
Beech street to Cook avenue	
Marshall street to 50 ft. north of Quimby street	
Stark street to Burnside street	
Mississippi avenue to Williams avenue	
5¼ ft. east of east line of East Water street to east line of East Third street	
Salmon street to 8 ft. north of north line of Taylor street	
60 ft. N. of N. line of Vaughn st. to 254 ft. N. of N. line of Vaughn street	
Raleigh street to Savier street	
East Water street to Union avenue	
Twentieth street to Twenty-second street	
Hancock street to Hassalo street	
Third street to Nineteenth street	
50 ft. south of south line Sheridan street to Curry street	
Water street to Third street	
Clay street to 112 ft. south of south line of Caruthers street	
Twenty-first street to Twenty-second street	
East Morrison street to East Alder street	
Fourteenth street to Seventeenth street	
100 ft. north of north line of Carter street to Spring street	
East Twelfth street to Milwaukie street	
Williams avenue to Union avenue	

STREET WORK DONE IN 1899—(Under Ordinance), Continued

Number	Name of Street	Cubic Yards			
		Exc.	Emb.	Gravel	Mac'm
1	Haight street	11,963.0	5,778.0		
2	Pettygrove street	344.0	2,897.0		774.9
3	Commercial street	7,502.0	3,732.0		
4	Grand avenue	682.0	2,231.0		
5	Prescott street	5,451.0	144.0		
6	Fargo street	1,536.0			
7	Gantenbein avenue	15,167.0	3,023.0		
8	Marshall street	749.0			894.3
9	Vancouver avenue	954.0	1,649.0		
10	Cook avenue	344.0	1,643.0		
11	Albina avenue	8,235.0	1,028.0		
12	Seventeenth street		185.0		
13	Eleventh street				113.5
14	Shaver street	728.0	4.0		
15	North ½ of Hawthorne avenue				
16	Chapman street				
17	Seventeenth street				
18	Fourteenth street	23.0	129.0		85.4
19	East Yamhill street		1,214.0		
20	Lovejoy street	762.0	78.0		1,119.2
21	Larrabee street	764.9		1,268.4	
22	Everett street				1,220.5
23	Hood street				
24	Clay street	10.0			358.5
25	Water and Hood streets	156.0			43.6
26	Vaughn street	331.0	4.0		541.2
27	East Fifteenth street	524.0			
28	Market street	235.0	302.0		821.4
29	Twentieth street	541.1	430.8		904.0
30	Clinton street	125.0	167.0		
31	Russell street				
	Total	57,128.0	24,638.8	1,268.4	6,876.5

STREET WORK DONE IN 1899--(Under Ordinance), Continued

Cubic Feet		Lineal Feet					
Artificial Stone Curb	Sand	Sidewalk		Crosswalk	Open Gutter	Stone Gutter	Elev'd Road'y
		New	Relay				
.	.	5505.8	.	730.0	6763.8	.	.
.	.	496.0	25	288.0	.	200	.
.	.	2981.6	.	523.75	.	.	.
.	.	.	.	1490.00	.	.	.
.	.	2600.0	.	600.00	2800.0	.	.
.	.	1015.7	.	144.00	.	.	.
.	.	6265.5	.	796.00	.	.	.
.	.	.	.	238.4	.	.	.
.	.	936.0	.	154.00	.	.	.
.	.	194.3	.	.	.	.	.
.	.	1706.1	.	144.8	.	.	.
.
.	.	75.0	.	280.00	.	.	.
.
.	.	192.0	.	53.00	.	.	.
.
.	.	621.0	.	144.00	.	.	.
.	.	.	.	600.7	.	.	.
.	.	1911.0	36	720.5	.	.	.
.	.	1974.9	.	252.00	.	.	.
.	.	.	.	110.8	.	.	.
.	.	1797.5	.	221.8	.	.	2308.3
.	100	.
.	.	400.0	.	.	.	.	.
.	.	.	.	36.00	.	.	.
.
.	.	221.0	.	72.00	.	.	.
.
.	.	2889.0	61	7599.75	9563.8	300	2308.0

STREET WORK DONE IN 1899—(Under Ordinance), Continued

Number	Name of Street	Lineal Feet		
		Box Gutter	Plank Roadway	Curb New Relay
1	Haight street	420		
2	Pettygrove street			30.0
3	Commercial street			
4	Grand avenue			
5	Prescott street	300		
6	Fargo street			
7	Gantenbein avenue			
8	Marshall street			
9	Vancouver avenue			
10	Cook avenue			
11	Albina avenue			20.0
12	Seventeenth street		100.0	
13	Eleventh street			95.0
14	Shaver street		4397.2	
15	North ½ of Hawthorne avenue			
16	Chapman street			
17	Seventeenth street			
18	Fourteenth street			132.0
19	East Yamhill street		88.0	
20	Lovejoy street			953.0
21	Larrabee street			
22	Everett street			955.0
23	Hood street			178.7
24	Clay street			
25	Water and Hood streets	72	1481.5	595.6
26	Vaughn street	36		
27	East Fifteenth street			
28	Market street			
29	Twentieth street			
30	Clinton street			
31	Russell street		2518.6	
	Total	828	8585.3	2961.3

STREET WORK DONE IN 1899—(Under Ordinance), Continued

Lineal Feet

½ redeck- Roadway	Relay Crosswalk	Lum- ber	Elev. Side- walk	Redecked Elevated Roadway	½ Elev. Redecked Roadway	String- ers	Piling
		36					
					60.0	144	
					689.4	247	
					782.0	286	
					388.0		
		18					
							1270
		54					
		144					
		432					
		684					
					1919.4	677	1270

STREET WORK DONE IN 1899—(Under Ordinance), Continued

Number	Name of Street	Lineal Feet			
		Elev. Side-walk	Fence for Elevated Side-walk	Relay covering Plank and Stringers	Covering Plank and Stringers
1	Haight street				
2	Pettygrove street				
3	Commercial street				
4	Grand avenue				
5	Prescott street				
6	Fargo street				
7	Gantenbein avenue				
8	Marshall street				
9	Vancouver avenue				
10	Cook avenue				
11	Albina avenue				
12	Seventeenth street				
13	Eleventh street				42
14	Shaver street				
15	North ½ of Hawthorne avenue				
16	Chapman street	744	717.5		
17	Seventeenth street				
18	Fourteenth street				
19	East Yamhill street				
20	Lovejoy street				
21	Larrabee street				
22	Everett street			35	
23	Hood street				
24	Clay street				
25	Water and Hood streets				
26	Vaughn street				
27	East Fifteenth street				
28	Market street				
29	Twentieth street				
30	Clinton street				
31	Russell street				
	Total	744	717.5	35	42

STREETS IMPROVED UNDER PERMITS DURING THE YEAR 1899.

1. East Twenty-first street, from the north line of East Glisan street to the south line of East Hoyt street, by grading 200 lineal feet of roadway.
2. East Hoyt street, from the east line of East Twenty-first street to the west line of East Twenty-second street, by grading 200 lineal feet of roadway.
3. East Twenty-second street, from the south line of East Hoyt street to the north line of the Sandy county road, by grading 140 lineal feet.
4. East Sixth street, in front of lot 4, in block 4, Raffety's addition, by grading 93 lineal feet of roadway and constructing 80 lineal feet of sidewalk with six-foot covering planks.
5. Ellsworth street, in front of lot 4, in block 4, Raffety's addition, by grading 125 lineal feet of roadway and constructing 112 lineal feet of sidewalk.
6. Twelfth street, in front of lot 7, in block 76, Couch addition, by grading 50 lineal feet of roadway.
7. Twelfth street, in front of lots 2 and 3, in block 76, Couch addition, by grading 100 lineal feet of roadway.
8. Broadway, in front of a tract of land between Williams avenue and Vancouver avenue, in Elizabeth Irving addition, by grading 200 lineal feet of roadway.
9. East Glisan street, in front of block 72, in East Portland, by grading and macadamizing 200 lineal feet of roadway and constructing 212 lineal feet of cement sidewalk.
10. Vancouver avenue, in front of lots 1, 2, 3, 4, in block 36, Central Albina, by grading 200 lineal feet of roadway and constructing 200 lineal feet of wooden sidewalk.
11. Gantenbein avenue, in front of lots 15, 16, 17, 18, in block 36, Central Albina by grading 200 lineal feet of roadway and constructing 200 lineal feet of wooden sidewalk.
12. Hendricks street, in front of lots 9, 10, 11, 12, in block 14, in Albina Homestead, by grading 200 lineal feet of roadway and constructing 200 lineal feet of wooden sidewalk.
13. East Twenty-fourth street, in front of blocks 3, 8, 4, 7, 5, 6, by grading 500 lineal feet of roadway.

14. East Taylor street, in front of blocks 256, 287, 296, 326, 255, 288, 295, 327, Hawthorne Park, by grading 980 lineal feet of roadway, planking 980 feet of roadway in center of street, and constructing 1,744 lineal feet of wooden sidewalk and 336 feet of crosswalk.
15. East Ninth street, in front of lots 1, 2, in block 108, Stephens addition, by grading 100 lineal feet of roadway and constructing 100 lineal feet of wooden sidewalk.
16. East Fifteenth street, in front of lots 3, 4, 5, in block 323, East Portland, by grading 300 lineal feet of roadway.
17. East Twentieth street, in front of lots 3, 4, and north 25 feet of 5 and 6, in block 1, Buckman's addition, by grading 125 lineal feet of roadway and constructing 125 lineal feet of wooden sidewalk.
18. East Seventh street, in front of lots 5, 6, in block 251, Holladay's addition, by grading 230 lineal feet of roadway; 100 feet each on East Seventh street and Schuyler street, and 30 feet on the intersection.
19. Cook avenue, in front of lot 8, and west half of lot 9, in block 4, Riverview addition, by grading 61 lineal feet of roadway.
20. Alley through block 4, in Riverview addition, by grading 61 lineal feet.
21. Ellsworth street, in front of lot 1, in block 5; lots 1, 8, in block 6; lot 5, in block 3, and lot 5, in block 4, Raffety's addition, by grading 550 lineal feet of roadway and constructing 550 lineal feet of wooden sidewalks.
22. Hoyt street, in front of lot 2, in block 118, Couch addition, by grading 100 lineal feet of roadway.
23. East Twenty-fourth street, between East Couch and East Davis streets, in Keystone addition, by grading 1,700 lineal feet of roadway.
24. East Main street, in front of lots 4, 5, in block 129, and lots 1, 8, in block 130, by grading 200 lineal feet of roadway, by putting down 200 lineal feet of plank roadway 16 feet wide in the center of the street, and by constructing 200 lineal feet of wooden sidewalks.
25. Fay street, in front of lot 2, in block 18, Central Albina, by grading 89 lineal feet of roadway and constructing 89 lineal feet of sidewalks.
26. East Thirteenth street, in front of blocks 256, 287, Hawthorne Park addition, by grading 200 lineal feet of roadway.

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27. Taggart street, in front of lots 2, 4, 6, 8, in block 8, Richmond addition, by grading 200 lineal feet of roadway.
 28. Taggart street, in front of lots 17, 19, in block 11, Richmond, by grading 100 lineal feet of roadway.
 29. Broadway, in front of lot 4, in block 245, by grading 100 lineal feet of roadway and constructing 100 feet of wooden sidewalks.
 30. Habersham avenue, in front of lots 1, 3, in block 10, Richmond, by grading 100 lineal feet of roadway.
 31. East Seventh street, in front of lots 5, 6, 7, 8, in block 136, Park addition, by grading 260 lineal feet of roadway and constructing 224 lineal feet of cement sidewalks.
 32. East Eighth street, in front of lots 8, 9, 10, in block 119, by grading 150 lineal feet of roadway.
 33. Alley between Russell and Knott streets, Kerby and Commercial streets, by grading 100 feet of roadway.
 34. Taggart street, in front of block 7, by grading 580 lineal feet of roadway.
 35. Mason street, in front of lot 9, in block 12, Lincoln Park Annex, by grading 125 lineal feet of roadway and constructing 112 lineal feet of wooden sidewalks.

STREET WORK BEGUN IN 1898 AND FINISHED IN 1899

Number	Name of Street	Date of Estimate	No. of Ord.
1	Haight street	July 26, 1898	10766
2	Pettygrove street	November 28, 1898	10791
3	Commercial street	August 24, 1898	10768
4	Grand avenue	October 22, 1898	10942
5	Prescott street	October 26, 1898	10941
6	Fargo street	October 27, 1898	10962
7	Gautenbein avenue	October 31, 1898	10963
8	Marshall street	October 31, 1898	10965
9	Vancouver avenue	November 17, 1898	10981
10	Cook avenue	November 23, 1898	10961
11	Albina avenue	November 22, 1898	10964
12	Eleventh street	August 26, 1898	10922
13	Shaver street	December 20, 1898	11031
14	Chapman street	October 6, 1898	10984
15	Seventeenth street	November 20, 1898	11003
16	Everett street	November 21, 1898	11004
17	Hood street	November 16, 1898	11033
18	Clay street	October 4, 1898	10983
19	Water and Hood streets	October 6, 1896	10982
	Total		

STREET WORK BEGUN IN 1898 AND FINISHED IN 1899—Con.

Extent of Improvement

Beech street to Alberta street	.....
Sixteenth street to Twentieth street	.....
Shaver street to Alberta street	.....
Fremont street to north line of Lincoln street	.....
Union avenue to East Tenth street	.....
Commercial street to Borthwick street	.....
Beech street to Alberta street	.....
Twelfth street to Sixteenth street	.....
Hancock street to Broadway	.....
Albina avenue to Mississippi avenue	.....
Beech street to Cook avenue	.....
Stark street to Burnside street	.....
Mississippi avenue to Williams avenue	.....
3 ft. south of center line of Salmon street to 8' N. of N. line of Taylor street	.....
60 ft. N. of N. line of Vaughn street to 254 ft. N. of N. line of Vaughn street	.....
Third street to Nineteenth street	.....
50 ft. south of south line of Sheridan street to N. curb line of Curry street	.....
Water street to Third street	.....
Clay street to 112 ft. south of south line of Caruthers street	.....

STREET WORK BEGUN IN 1898 AND FINISHED IN 1899—Con.

Number	Name of Street	Cubic Yards			
		Exc.	Emb.	Grav'l	Mac.
1	Haight street	11963	5778		
2	Pettygrove street	738	2897		1279.3
3	Commercial street	10225	4255		
4	Grand avenue	682	2231		
5	Prescott street	5451	144		
6	Fargo street	1536			
7	Gantenbein avenue	15167	3023		
8	Marshall street	749			894.3
9	Vancouver avenue	954	1649		
10	Cook avenue	344	1643		
11	Albina avenue	8235	1028		
12	Eleventh street				113.5
13	Shaver street	728	4		
14	Chapman street				
15	Seventeenth street				
16	Everett street				2120.5
17	Hood street				
18	Clay street	10			358.5
19	Water and Hood street	156			43.6
	Total	55938	22652		4809.7

STREET WORK BEGUN IN 1898 AND FINISHED IN 1899—Con.

Lineal Feet

Cross walk	Sidewalk		Stone Gutter	½ plank Roadway	Curb	Relay Cross- walk	Lum- ber B.M.
	New	Relay					
730.0	5505.8						
288.0	797.0		200				
756.9	4663.6						
	1490.0						
600.0	2600.0						
144.0	1015.7						
796.0	2665.5						
238.4							
154.0	936.0						
	194.3						
144.8	1706.1				20.0		
	75.0				95.0		
280.0				4397.2			
720.5	1911.0	36			955.0	54	
252.0	1980.3				178.7		
110.8							
221.8	1783.2			1481.5	595.6		
5437.2	27,323.5	36	200	5878.7	1844.3	54	

STREET WORK BEGUN IN 1898 AND FINISHED IN 1899—Con.

Number	Name of Street	Lineal Feet			
		Redeck Elev. Rdwy.	½ redeck Elev. Rdwy.	String- ers and cover plank	String's
1	Haight street				
2	Pettygrove street				
3	Commercial street				
4	Grand avenue				
5	Prescott street				
6	Fargo street				
7	Gantenbein avenue				
8	Marshall street				
9	Vancouver avenue				
10	Cook avenue				
11	Albina avenue				
12	Eleventh street				
13	Shaver street				
14	Chapman street		806		286
15	Seventeenth street		388		
16	Everett street			35	
17	Hood street				
18	Clay street				
19	Water and Hood streets				
	Total		1194	35	286

STREET WORK BEGUN IN 1898 AND FINISHED IN 1899—Con.

Lineal Feet

Open Gutter	Cross-walk Relay	Sidewalk Fence	Elevated Sidewalk	½ Elev. Rwy.	Box Gutter
6763.8					420
2800.0					300
	36				
		717.5	744		
				3789.8	72
9563.8	36	717.5	744	3789.8	792

PLANS FOR STREET WORK PREPARED IN 1899.

Albina ferry incline on West Side.

Wood block pavement for elevated roadways—general plan.

Plank roadways—general plan.

Grand avenue improvement from Holladay avenue to East Burnside street.

Corbett street improvement from Bancroft avenue to Hood street.

Proposed Front street improvement from Rock street to Fourteenth street.

Proposed Front street improvement from Quimby street to Pettygrove street

Proposed Washington street improvement from Sixteenth street to City Park—brick.

Proposed Washington street improvement from Sixteenth street to City Park—macadam.

Proposed Alder street improvement from Sixth street to Lownsdale street—wood block.

Proposed Russell street improvement from Williams avenue to Union avenue—brick.

Tenth street elevated roadway from Marshall street to Northrup street.

East Morrison street elevated roadway from East Water street to Union avenue.

BRIDGES AND ELEVATED ROADWAYS REPAIRED IN 1899.

At what point—	No. of days work.
East Twelfth street, between Oak and Stark.....	3
East Third street and Hawthorne avenue	18
Belmont street, between East Eighth and East Ninth	7
West approach to Steel bridge	6
Front street, between Hull and Rock	52
Fifteenth street, between Pettygrove and Raleigh	10
Sixteenth street, between Pettygrove and Raleigh	15
Seventeenth street, between Marshall and Raleigh	6
Alder street, between Lowndale and Sixteenth	27
Fourteenth street, between Quimby and Front	11
Eleventh street, between Marshall and Quimby	12
Chapman street, between Taylor and Salmon	45
Alder street, between Lowndale and Chapman	44
Union avenue, between East Stark and East Salmon streets	42
East Sixteenth and East Taylor streets	3
East Oak street and Grand avenue	6
Vancouver avenue and Hancock street	3
Nineteenth street, between Washington and Morrison	52
Sixteenth and Washington streets	9
Sheridan street, between First and Front	6
Front street, between Caruthers and Arthur	682
Holladay avenue and East Sixteenth street	39
Union avenue and Sullivan's gulch	6
Albina ferry slip, West Side	12
East Front street, between East Washington and East Stark	4
East Ash and East Twenty-fourth streets	8
Northrup street, between Eighth and Twelfth	18
First street, between Sheridan and Arthur	88
Hood street, between Porter and Grover	15
St. Helens road, between Sherlock avenue and Front street	38
Macadam road	6
East Clay and East Second streets	5
Grand avenue and Sullivan's gulch	35
Union avenue and Broadway	29
Hamilton avenue	5
East Morrison street, between East Water street and Union avenue..	15
East Morrison street, between East Eighth and East Ninth	8
Fourth street	12
Williams avenue and Weidler street	5
Hood street, between Caruthers and Baker	62

STREET EXTENSION SURVEYS IN 1899.

Number	Name of Street	Date of Survey	Area in Sq. Feet Appropriat'd
1	Park street	January . 7, 1899	17960.0
2	East Thirty-third street	March . . 1, 1899	31107.5
3	Alley	March . . 15, 1899	1988.0
4	Fremont street	April . . 29, 1899	14029.2
5	East Twentieth street	May . . 11, 1899	2850.0
6	Main street	August . 14, 1899	7605.0

STREET EXTENSION SURVEYS IN 1899.—Con.

Description of Survey

From the east line of Front street to the established wharf line
From East Salmon street to Hawthorne avenue
From the north line of the St. Helens' County Road to the south line of a
tract of land conveyed by Cornelia J. Poole to the City of Portland
From the east line of Albina avenue to the west line of Borthwick street .
From the s. line Tract "A" in E. J. Murphy's Add. to s. l. Buckman's Add.
From the west line of A. N. King's Add. to the east line of King street . .

LENGTH AND MATERIAL OF ROADWAYS, SIDEWALKS AND
CROSSWALKS IN PLACE IN THE CITY OF PORT-
LAND, OR., DECEMBER 31, 1899.

Graded only	79.94 miles
Macadam	41.75 miles
Gravel	42.33 miles
Plank roadway	16.73 miles
Stone block pavement	4.08 miles
Asphalt and bituminous pavement	3.13 miles
Wood-block pavement	1.48 miles
Brick pavement .....	.62 mile
Bridges	7.89 miles
Total	197.95 miles
Wooden sidewalks	302.27 miles
Cement, stone, brick and asphalt sidewalks	18.10 miles
Total	320.37 miles
Wood crosswalks	40.10 miles
Stone crosswalks	1.15 miles
Total	41.25 miles

NEW IRON MONUMENT COVERS FURNISHED IN 1899.

- At Gantenbein avenue and Shaver street.
 - At Borthwick and Shaver streets.
 - At Mississippi avenue and Shaver street.
 - At Railroad and Lewis streets.
 - At Railroad and Harding streets.
 - At Burnside and Thirteenth streets.
 - At Burnside and Eleventh streets.
 - At Burnside and Ninth streets.
 - At Burnside and Sixth streets.
 - At Davis and Fifteenth streets.
 - At Davis and Nineteenth streets.
 - At Flanders and Twenty-third streets.
 - At Johnson and Eleventh streets.
- Total, 13.

SEWER WORK ESTIMATED DURING 1899.

Number	Name of Sewer	Date of Estimate	No. of Ordinance	
1	East Thirty-fifth street	September	29, 1899	11349
2	East Twenty-sixth street	October	24, 1899	11364
3	Water street	November	1, 1899	11378
4	Vaughn street	December	16, 1899	11427
5	Gantenbein avenue	December	20, 1899	11423
6	Hood street	December	20, 1899	11421
7	Albina avenue	December	20, 1899	11424
8	Hancock street	December	20, 1899	11422
9	Tillamook and East Eighth streets ..	January	5, 1899	11059
10	Morris street	February	10, 1899	11130
11	East Ankeny street	March	6, 1899	11145
12	East Eighth street	March	6, 1899	11148
13	East Sixth and East Madison streets ..	May	12, 1899	11214
14	Gantenbein avenue	June	24, 1899	11244
15	East Washington street	June	3, 1899	11250
16	East Thirty-third street	June	22, 1899	11288
17	Marshall street	July	22, 1899	11289
18	East Fourteenth street	July	22, 1899	11290
	Total			

SEWER WORK ESTIMATED DURING 1899--Continued

Extent of Sewer

18 ft. south of north line of Hawthorne avenue to East Yamhill street	-----
130 ft. south of south line of E. Salmon street to E. Taylor street	-----
75 ft. south of south line of Montgomery street to Mill street	-----
25 ft. east of west line of Twenty-fifth street to Twenty-first street	-----
100 ft. south of Stanton street to sewer in Russell street	-----
18 ft. south of north line of Lane street to Thomas Creek sewer at Curry st.	-----
80 ft. north of Morris street to 70 ft. south of Morris street	-----
25 ft. west of E. Nineteenth street to Hancock street	-----
E. Nineteenth street to Hancock street sewer at E. Eighth street	-----
25 ft. west of E. Seventh street to Union avenue	-----
E. Twentieth street to E. Ankeny street	-----
50 ft. south of Broadway street to Holladay avenue	-----
25 ft. north of Stephens street to E. Ninth street	-----
25 ft. north of Page street to Russell street	-----
18 ft. west of east line of E. Twelfth street to E. Eighth street	-----
South line of E. Morrison street to sewer in E. Thirty-third st. at Belmont	-----
Twenty-fifth street to sewer in Marshall street at Twenty-fourth street	-----
Broadway to Hancock street	-----

SEWER WORK ESTIMATED DURING 1899—Continued

Number	Name of Sewer	Lineal Feet Terra Cotta Pipe			
		14 inch	16 inch	8 inch	18 inch
1	East Thirty-fifth street	412		284	
2	East Twenty-sixth street				
3	Water street				
4	Vaughn street	676	650	92	444
5	Gantenbein avenue			498	
6	Hood street			42	
7	Albina avenue			212	
8	Hancock street				
9	Tillamook and East Eighth streets		2748	185	
10	Morris street			618	
11	East Ankeny street			111	
12	East Eighth street	451		222	
13	East Sixth and East Madison streets			520	
14	Gantenbein avenue			410	
15	East Washington street			924	
16	East Thirty-third street			40	
17	Marshall street			18	
18	East Fourteenth street			472	
	Total	1589	3398	4648	444

SEWER WORK ESTIMATED DURING 1899—Continued

Lin. Ft. T. C. Pipe		"Y" Branches Terra Cotta Pipe												
10 inch	12 inch	8x8 inch	8x6 inch	20x6 inch	18x6 inch	14x6 inch	16x6 inch	18x8 inch	10x6 inch	12x8 inch	14x12 inch	12x6 inch	8 in. Elbow	10x20 inch
228	242		18			30			16		1	16	9	
			31										4	
			28		38	57	60	1					19	
290			46						26				6	
	628											58	9	
			18										3	
468									46					
							242						20	
			52										1	
125	229								56	1		22	7	
355	660					36	36					60	18	
440	894		34						40			77	21	
			34											
			78										6	
	234											14	3	
													1	
372									38				2	
			38											
2778	2887		377		38	123	338	1	222	1	1	247	129	

SEWER WORK ESTIMATED DURING 1899—Continued

Number	Name of Sewer	Number of			
		Elbows 8 in.	Wooden cor. with grating complete	Manholes Complete	Combinati'n Manhole & C. E.
1	East Thirty-fifth street		1	2	3
2	East Twenty-sixth street			2	
3	Water street				1
4	Vaughn street			1	6
5	Gantenbein avenue				2
6	Hood street				3
7	Albina avenue				1
8	Hancock street			1	
9	Tillamook and East Eighth streets			6	6
10	Morris street			2	
11	East Ankeny street			1	2
12	East Eighth street				6
13	East Sixth and East Madison streets			2	7
14	Gantenbein avenue			1	
15	East Washington street				2
16	East Thirty-third street				1
17	Marshall street				
18	East Fourteenth street				1
	Total		1	18	41

SEWER WORK ESTIMATED DURING 1399—Continued

Complete connection with Sewer	Number of			Cubic Yards		Lineal Ft.		Cubic Ft.		
	Catchbasin	Con'te Cor.	Brick Catchbasin Complete	Excavation and Refilling	Concrete	Rock Embank'm't	Box	Plank Rwy. taken up and relaid	Lum. B. M.	Concrete
1		3	1	1381	5					
1				360					1000	
1		12		204						
1	1	7		2113						
1		2		723						
1		3		806						
1		1		153						
1				465						
1		8		3122						2
1				504						
1		3		988						
1		6		1739						
1		7		1949						
1				324						
1		2								
1		1		329						
1		1		412						
1		1								
18	1	47	1	15662	5				1000	8

SEWER WORK DONE IN 1899

Number	Name of Sewer	Date of Estimate	No. of Ordinance
1	East Sixteenth street	November 10, 1898	10985
2	Eugene street	November 23, 1898	11006
3	Stanton street	December 20, 1898	11034
4	Tillamook and East Eighth streets	January 5, 1899	11059
5	Morris street	February 10, 1899	11130
6	East Ankeny street	March 6, 1899	11145
7	East Eighth street	March 6, 1899	11148
8	East Sixth and East Madison streets	May 12, 1899	11214
9	Gantenbein avenue	June 24, 1899	11244
10	East Washington street	June 3, 1899	11250
11	East Thirty-third street	June 22, 1899	11288
12	Marshall street	July 22, 1899	11289
13	East Fourteenth street	July 22, 1899	11290
Total			

SEWER WORK DONE IN 1899—Continued

Extent of Sewer

460 ft. north of north line of E. Davis street to sewer in E. Davis street	---
140 ft. east of east line of Rodney avenue to sewer in Rodney avenue	-----
138 75-100 ft. east of Mississippi avenue to sewer in Mississippi avenue	-----
E. Nineteenth street to sewer in Hancock street at E. Eighth street	-----
25 ft. west of E. Seventh street to sewer in Union avenue	-----
E. Twentieth street to sewer in E. Ankeny street	-----
50 ft. south of Broadway to sewer in Holladay avenue	-----
25 ft. north of Stephens street to sewer in E. Ninth street	-----
25 ft. north of Page street to sewer in Russell street	-----
18 ft. west of east line of E. Twelfth street to sewer in E. Eighth street	---
South line of E. Morrison street to sewer in E. Thirty-third st. at Belmont	---
Twenty-fifth street to sewer in Marshall street at Twenty-fourth street	---
Broadway to sewer in Hancock street	-----

SEWER WORK DONE IN 1899—Continued

Number	Name of Sewer	Lineal Feet Terra Cotta Pipe			
		14 inch	16 inch	8 inch	18 inch
1	East Sixteenth street			10	
2	Eugene street			133	
3	Stanton street			149	
4	Tillamook and East Eighth streets		2748	185	
5	Morris street			618	
6	East Ankeny street			111	
7	East Eighth street	451		222	
8	East Sixth and East Madison streets			520	
9	Gantenbein avenue			410	
10	East Washington street			924	
11	East Thirty-third street			40	
12	Marshall street			18	
13	East Fourteenth street			472	
	Total	451	2748	3812	

SEWER WORK DONE IN 1899—Continued

Lin. Ft. T. C. Pipe		"Y" Branches Terra Cotta Pipe												
10 inch	12 inch	8x8 inch	8x6 inch	20x6 inch	18x6 inch	14x6 inch	16x6 inch	18x8 inch	10x6 inch	12x8 inch	14x12 inch	12x6 inch	8 in. Elbow	10x20 inch
442			10						36				3	1
			12											
			52				242						20	
625	229								56	1		22	7	
355	660					36	36					60	18	
440	894		34						40			77	21	
			34											
			78										6	
	234												14	3
372									38				1	
			38										2	
2234	2017		258			36	278		170	1		173	82	1

SEWER WORK DONE IN 1899—Continued

Number	Name of Sewer	Number of		
		Wooden cor. with grating complete	Manholes Complete	Combinati'n Manhole & C. B.
1	East Sixteenth street		1	
2	Eugene street			
3	Stanton street			
4	Tillamook and East Eighth streets		6	6
5	Morris street		2	
6	East Ankeny street		1	2
7	East Eighth street			6
8	East Sixth and East Madison streets			7
9	Gantenbein avenue		2	
10	East Washington street		1	2
11	East Thiry-third street			1
12	Marshall street			
13	East Fourteenth street			1
	Total		13	25

SEWER WORK DONE IN 1899—Continued

Complete connection with Sewer	Number of			Cubic Yards			Lineal Ft.		Cubic Ft.	
	Catchbasin	Con'te Cor.	Brick Catchbasin Complete	Excavation and Refilling	Concrete	Rock Embank'm't	Box	Plank Rwy. taken up and Relaid	Lum. B. M.	Concrete
1		1								
1				153						
1				141						
1		8		3122						8
1				504						
1		3		988						
1		6		1739						
1		7		1949						
1				324						
1		2								
1		1		329						
1		1		412						
1		1								
13		30		9661						8

PLANS FOR SEWERS PREPARED IN 1899.

East Ankeny street sewer, from the west line of East Twentieth street to East Ankeny sewer at East Sixteenth street.

East Eighth street sewer, from 50 feet south of Broadway to Hancock street sewer.

East Fourteenth street sewer, from center line of Broadway to Hancock street sewer.

Gantenbein avenue sewer, from 25 feet north of Page street to Russell street sewer.

Morris street sewer, from 25 feet west of East Seventh street to Union avenue sewer.

East Sixth and Madison streets sewer, from 25 feet north of Stephens street to East Madison street, thence east in East Madison street to East Ninth street sewer.

Marshall street sewer, from east line of Twenty-first street to Marshall street sewer at Twenty-fourth street.

East Thirty-third street sewer, from south line of East Morrison street to East Thirty-third street sewer at Belmont street.

East Washington street sewer, from 18 feet west of the east line of East Twelfth street to sewer in East Eighth street.

Beech street sewer system (changed).

East Oak street sewer system, or extension of East Oak street sewer.

Mill Creek sewer system, East Portland.

MAIN SEWERS REPAIRED IN 1899.

At What Point.	Nature of Repairs.
Hoyt and Twelfth streets	16 feet 12-inch new pipe.
Second and Sheridan streets	4 feet 10-inch new pipe.
Thurman and Thirtieth streets	Repaired concrete and 12-inch pipe.
Savier and Twenty-fourth streets..	Removed roots out of 12-inch pipe.
Mill and Park streets	Removed roots out of 10-inch pipe.
Kearney and Tenth streets	20 feet 14-inch new pipe.
Rodney avenue and Russell street..	Removed roots and cleaned out.
Mill and Eighth streets	Removed roots and dredged out.
Northrup and Tenth streets.....	6 feet 12-inch new pipe.
Wheeler and Cherry streets	Removed roots out of 12-inch pipe.
Grand avenue and E. Alder street..	Cleared sewer of debris.
Union avenue and E. Stark street..	Removed stoppage.
Burnside and Second streets	8 feet 16-inch new pipe.
Flanders and Second streets	66 feet 16-inch new pipe.
Salmon and Front streets	18 feet 16-inch new pipe.
Mill and Sixteenth streets	Removed roots out of 12-inch pipe.
Washington and Twenty-second ...	Removed roots out of 10-inch pipe.
Park and Clifton streets	Removed roots out of 10-inch pipe.
Marshall and Seventeenth streets...	1 feet new 12-inch pipe.
Johnson and Nineteenth streets ...	Repaired and cleaned out.

LENGTH AND INTERIOR DIAMETER OF SEWERS IN PLACE IN THE CITY OF PORTLAND,
TO DECEMBER 31, 1899--Continued.

Oval Sewer, Diameter in Inches.		Terra Cotta Pipe Sewer, Diameter in Inches.	
60x84-inch	3984	24-inch	727 10187 3735
54x81-inch	1756	22-inch	6817 10480 24284
48x72-inch	3079	20-inch	6817 10480 24284
44x66-inch	1820	18-inch	10480 24284
40x60-inch	3808 2504	16-inch	20144 46043
30x45-inch	597 1220	15-inch	20144 46043
24x36-inch	597 1220	14-inch	148677 73839
36x48-inch	727 10187 3735	12-inch	148677 73839
24x24-inch	727 10187 3735	10-inch	73839 45034
		9-inch	45034 30568
		8-inch	30568

NEW CATCH BASINS, CONSTRUCTED IN 1899.

- 1 at Burnside and Second streets.
- 1 at Lovejoy and Twenty-first streets.
- 1 at Lovejoy and Tenth streets.
- 1 at Johnson and Tenth streets.
- 1 at East Glisan and Third streets.
- 1 at Washington and Twenty-third streets.

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OLD CATCH BASINS REBUILT WITH BRICK IN 1899.

- 1 at Everett and Ninth streets.
- 1 at Pine and Seventh streets.
- 1 at Harrison and Front streets.
- 1 at Harrison and First streets.
- 1 at Burnside and Twelfth streets.
- 1 at Burnside and Ninth streets.
- 1 at Burnside and Front streets.
- 1 at Montgomery and Fourth streets.
- 1 at Montgomery and Twelfth streets.
- 1 at Montgomery and Park streets.
- 1 at Jefferson and Park streets.
- 1 at Jefferson and Fourth streets.
- 1 at Jefferson and Seventh streets.
- 1 at Jefferson and Third streets.
- 1 at Salmon and Park streets.
- 1 at Salmon and Front streets.
- 1 at Main and East Park streets.
- 1 at Main and Eleventh streets.
- 1 at Main and Fifth streets.
- 1 at Main and West Park streets.
- 1 at Madison and East Park streets.
- 1 at Madison and Seventh streets.
- 1 at Madison and Sixth streets.
- 1 at Taylor and Third streets.
- 1 at Taylor and Sixteenth streets.

- 1 at Taylor and Chapman streets.
- 1 at Morrison and Fourth streets.
- 1 at Clay and Front streets.
- 1 at Couch and Tenth streets.
- 1 at Couch and Eleventh streets.
- 1 at Couch and Twelfth streets.
- 1 at Mill and Fourth streets.

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CATCH BASINS REPAIRED DURING 1899.

- 1 at Glisan and Sixth streets.
- 1 at Couch and Sixth streets.
- 1 at Flanders and Sixth streets.
- 2 at Pine and Second streets.
- 1 at Pine and First streets.
- 1 at Ash and First streets.
- 1 at Front and Stark streets.
- 1 at Front and Oak streets.
- 1 at Lovejoy and Twenty-first streets.
- 1 at Lovejoy and Twenty-second streets.

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NEW CATCH BASIN GRATINGS FURNISHED DURING 1899.

- 1 at Everett and Sixth streets.
- 1 at Columbia and Seventeenth streets.
- 1 at Washington and First streets.
- 1 at Washington and Third streets.
- 1 at Sheridan and Hood streets.
- 2 at Kearney and Tenth streets.
- 1 at Glisan and Sixth streets.
- 1 at Park avenue and King street.

9

NUMBER OF SEWERS FLUSHED DURING 1899.

1 Union avenue sewer.
1 Grand avenue sewer.
1 Rodney avenue sewer.
1 Sellwood street sewer.
1 East Twelfth street sewer.
1 East Eighth street sewer.
1 Hancock street sewer.
1 Tillamook street sewer.
1 East Taylor street sewer.
1 Stark street sewer.
1 Burnside street sewer.
1 Couch street sewer.
1 Davis street sewer.
1 Everett street sewer.
1 Flanders street sewer.
1 Ankeny street sewer.
1 Twelfth street sewer.
1 Kearney street sewer.

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18

MANHOLES RAISED AND REPAIRED DURING 1899.

1 at Broadway street and Vancouver avenue.
1 at Rodney avenue and Knott street.
1 at Lovejoy and Twenty-first streets.
1 at Lovejoy and Twentieth streets.
1 at Lovejoy and Twenty-second streets.
1 at Quimby and Thirteenth streets.
1 at Glisan and First streets.
1 at Market and Sixteenth streets.
1 at Stark and Tenth streets.

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9

NEW IRON MANHOLE COVERS FURNISHED IN 1899.

- 1 at Russell street and Union avenue.
- 1 at Russell street and Rodney avenue.
- 1 at Russell street and Williams avenue.
- 1 at Market and Seventeenth streets.
- 1 at Madison and Fourth streets.

5

NEW WOODEN MANHOLE COVERS FURNISHED IN 1899.

- 1 at Montgomery and Sixth streets.
- 1 at Montgomery and Twelfth streets.
- 1 at Montgomery and Fifth streets.
- 1 at Montgomery and First streets.
- 1 at Montgomery and Ninth streets.
- 1 at Montgomery and Park streets.
- 1 at Columbia and Eleventh streets.
- 1 at Columbia and Thirteenth streets.
- 1 at Clay and Twelfth streets.
- 1 at Main and Sixth streets.
- 1 at Main and Thirteenth streets.
- 1 at Main and Fifth streets.
- 1 at Madison and Sixth streets.
- 1 at Madison and Seventh streets.
- 1 at Madison and Third streets.
- 1 at Glisan and Eighteenth streets.
- 1 at Davis and Second streets.
- 1 at Davis and Fourteenth streets.
- 1 at Davis and Seventeenth streets.
- 1 at Flanders and Second streets.
- 1 at Salmon and Fifth streets.
- 1 at Salmon and Tenth streets.
- 1 at College and Sixth streets.
- 1 at Jackson and Seventh streets .
- 1 at Jackson and Sixth streets.
- 1 at Hall and Seventh streets.
- 1 at Stark and Fifth streets.

- 1 at Stark and Fourth streets.
- 1 at Stark and Twelfth streets.
- 1 at Stark and Eleventh streets.
- 1 at Jefferson and First streets.
- 1 at Everett and Eighteenth streets.
- 1 at Everett and Nineteenth streets.
- 1 at Everett and Seventeenth streets.
- 1 at Everett and Park streets.
- 1 at Everett and Tenth streets.
- 1 at Everett and Thirteenth streets.
- 1 at Couch and Front streets.
- 1 at Mill and Park streets.
- 1 at Mill and Eleventh streets.
- 1 at Mill and Twelfth streets.
- 1 at Taylor and First streets.
- 1 at Taylor and Fourth streets.
- 1 at Market and Park streets.
- 1 at Market and Twelfth streets.
- 1 at Market and Fourteenth streets.
- 1 at Burnside and Ninth streets.
- 1 at Burnside and Tenth streets.
- 1 at Couch and Eleventh streets.
- 1 at Salmon and Seventh streets.
- 1 at Salmon and Thirteenth streets.
- 1 at Salmon and Tenth streets.
- 1 at Glisan and Ninth streets.
- 1 at Mill and Front streets.
- 1 at Flanders and Thirteenth streets.
- 1 at Stark and Twelfth streets.
- 1 at Stark and Seventh streets.
- 1 at Yamhill and Front streets.
- 1 at Pine and Second streets.
- 1 at Pine and Front streets.
- 1 at Oak and Front streets.
- 1 at Market and Second streets.
- 1 at Jackson and Fourth streets.
- 1 at Madison and Front streets.
- 1 at Harrison and Fifth streets.

CITY ATTORNEY'S REPORT.

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

Complying with the provisions of the law, I herewith submit to you a report of the office of City Attorney for the period from December 31, 1898, to December 31, 1899, and have, pursuant thereto, but to detail the condition of the cases in existence between the dates mentioned:

CASES UNDISPOSED OF WHICH WERE PENDING AT THE TIME OF MY LAST REPORT.

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, and the case was decided in favor of the plaintiff, October 23, 1899.

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 decree was affirmed.

Esberg-Gunst Cigar Company

vs.

City of Portland.

This case, as stated in the last report, is an action to recover damages to the amount of \$3,000 from the city, alleged to have been caused by the bursting of a water main on Fourth street Reversed. New trial and judgment for the city.

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.

Jennie Porter
vs.

City of Portland.

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

Ella P. Sears
vs.

City of Portland.

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

S. N. Sigler
vs.

City of Portland.

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

E. Shannon et al.
vs.

City of Portland.

This is a suit to restrain the sale of property for the payment of cost of improving East Water street. It was tried in the Cir-

cuit Court, judgment rendered in favor of the city, from which judgment the plaintiffs have appealed. Briefs now in course of preparation. Case undetermined.

Melissa D. Thayer

vs.

City of Portland.

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

C. H. 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.

Angeline Berry

vs.

City of Portland.

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

H. A. Hogue

vs.

City of Portland.

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

Amanda Dryden

vs.

City of Portland.

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

W. H. Mall, et al.

vs.

City of Portland.

This is a suit to determine the question as to whether or not interest can 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 this city, from which judgment the plaintiffs appeal to the Supreme Court. Reversed and decree rendered for plaintiffs.

A. G. Brauer

vs.

City of Portland.

This is an action at law instituted by plaintiff to collect a portion of his salary as fireman. He claimed he had not received full salary, and the question involved was as to whether or not the salary of the 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, which was affirmed, and the case is now pending in the Supreme Court on the city's application for a rehearing.

David 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. Judgment in favor of city. Plaintiff appeals to Supreme Court. Case undetermined.

A. N. Gambell

vs.

J. D. Wickliff.

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

J. W. Cook

vs.

City of Portland.

This is a suit in equity to restrain the city from collecting the assessment for the repair of North Front street, and involves simply the question as to whether or not a remonstrance is of

any force or effect under the repair clause. Decree for defendant. Plaintiff appealed. Reversed and decree for defendant.

Chan Sing

vs.

City of Portland.

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

Tyler Woodward

vs.

City of Portland.

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

King Real Estate Association

vs.

City of Portland.

This is an action at law to recover damages for injuries alleged to have been sustained by the construction of the reservoirs constructed by the Water Committee. Case tried, and judgment for the city.

City & Suburban Railway Co.

vs.

City of Portland.

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

Katie Risbrick

vs.

City of Portland.

This is an action at law to recover damages for injuries alleged to have been sustained by the plaintiff having fallen down the elevator shaft in the Police Court building, and is for the sum of \$12,000. Case at issue. Council settled for \$150. Plaintiff's attorney resists settlement, and that question is undetermined.

H. W. Corbett et al.

vs.

City of Portland.

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

Perry Baker

vs.

City of Portland.

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

Commercial National Bank

vs.

City of Portland.

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

J. W. Cook

vs.

City of Portland.

Suit to enjoin the collection of assessment for the repair of North Front street. Judgment for city. Plaintiff appeals to Supreme Court. Reversed and decree for plaintiff.

T. DeBoest

vs.

A. N. Gambell.

Alternative writ of mandamus issued, requiring the Mayor and Auditor to draw a warrant by virtue of a requisition of the Fire Commissioners for back salaries due DeBoest. Writ demurred to. Demurrer overruled, and answer filed. Answer demurred to and judgment sustained. Judgment for plaintiff. Defendant appealed. Case reversed by Supreme Court.

Bridget Ginty

vs.

City of Portland.

Action for damages to property on Jefferson street, alleged to have resulted from the overflow of the Tanner Creek sewer in January, 1896. Jury trial. Judgment for defendant. Judgment set aside, and second trial resulted in verdict for city. Plaintiff appealed to Supreme Court. Now pending.

Kittie C. Nottage

vs.

City of Portland.

Action to recover amount of special assessment, paid under protest, for street improvement; improvement of East Twelfth street, where court held the original assessment void. Judgment against the city, which, on appeal, was reversed and judgment rendered in favor of city.

Oregon Real Estate Company

vs.

City of Portland.

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

Oregon Real Estate Company

vs.

City of Portland.

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

O'Rourke & Foster

vs.

City of Portland.

Action for damages on account of overflow caused by the filling in of Montana avenue. Defendant demurred to plaintiff's complaint. Demurred argued and submitted. Case at issue. Settled for \$84 by order of Council.

Joseph Polivka and Twenty-six Others

vs.

City of Portland et al.

Suit to restrain defendants from levying and collecting the special assessment for the repair of Corbett street, between Hood and Bancroft avenue. Suit at issue and in same condition as case of A. E. Thomas et al. vs. City.

W. J. Shipley

vs.

Frank Hacheney.

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

E. A. Thomas and Eight Others

vs.

City of Portland et al.

Suit to enjoin the defendants from collecting a special assessment levied for the repair of Corbett street, from the south line of Hood street to the north line of Bancroft avenue. Injunction issued. Trial resulted in verdict and decree for both parties, and both parties appeal.

Henry M. Wagner

vs.

City of Portland.

Action to recover \$5,000 damages on account of injuries sustained by plaintiff while an employe of the Fire Department. Trial resulted in verdict for plaintiff for \$2,000, October 13, 1899. Case in course of preparation for appeal to Supreme Court.

City of Portland

vs.

August Erickson.

Arrested for violating liquor license ordinance. Discharged by Municipal Judge. Case reviewed by Circuit Court and the decision of lower court reversed. Briefs filed, and case now pending in Supreme Court.

G. Yenke

vs.

City of Portland.

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

Corrine E. Wood

vs.

Arthur F. Miller et al.

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

L. F. Grover

vs.

City of Portland.

Action for damages alleged to have accrued by reason of loss of lateral support in the construction of the reservoirs. Case pending on plaintiff's demurrer and motion to strike out parts of defendant's answer. Set for trial January 16, 1900.

Harvey A. Hogue and Three Others

vs.

City of Portland and Chief of Police.

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

T. A. Wood et al.

vs.

City of Portland et al.

Suit to restrain defendants from selling property for assessment levied on property on Fourth and Spokane avenue, Sellwood. Tried before referee, and referee found against the city. Exceptions filed to report of referee. Case argued and now under consideration of the court. The evidence disclosed that a good portion of the assessments had been collected by the officers of Sellwood and misapplied, and that no notice of amendment given. Judgment for plaintiff. No grounds for appeal.

CASES FILED SINCE LAST REPORT.

H. E. R. Bush

vs.

City of Portland and Mayor and Common Council.

Writ of mandamus to compel the issuance of a license. Case stands on reply to answer.

M. M. Bloch

vs.

City of Portland.

Action to recover back salaries of firemen. Case stands on demurrer to complaint.

Wm. Barnes et al.

vs.

City of Portland et al.

Suit to enjoin the city from proceeding further in the collection of assessments against property of plaintiffs, which was levied for the extension of U street. Case stands on affidavit of A. N. Gambell.

Louis Cone

vs.

City of Portland.

Suit to recover \$3,382.50, alleged to be due plaintiff for services as foreman of steam fire engine company No. 3. Case stands on demurrer to complaint.

City of Portland

vs.

L. F. Grover et al.

Suit to recover damages on account of the destruction of reservoirs No. 3 and No. 4. Suit was dismissed May 15, 1899.

City of Portland

vs.

King Real Estate Association.

Suit to recover damages on account of the destruction of reservoirs No. 3 and No. 4. Suit dismissed May 15, 1899.

Mary H. Couch and Ten Others

vs.

City of Portland.

Petition for writ of review in the matter of the extension of North Fifteenth street. Case stands on motion to quash writ of review.

M. K. Kameta

vs.

D. M. McLaughlan.

Petition for writ of habeas corpus. Judgment for plaintiff, October 3, 1899. Case stands of briefs filed in Supreme Court.

Geo. P. Gray

vs.

City of Portland.

Action for damages on account of the location of the pest house. Case stands ready for trial.

L. Goldsmith

vs.

City of Portland.

Action to restrain defendants from proceeding in sale of property on Twenty-ninth street. Stands on motion to require plaintiff to make complaint more definite and certain.

In re, application of Hugh Sing for a Writ of Review.

Hugh Sing and three others arrested for violating gambling ordinance and convicted in Municipal Court. Hugh Sing appeals to the Circuit Court. Case undetermined.

A. N. King

vs.

City of Portland.

Suit to enjoin abatement of a nuisance. Case dismissed at cost of plaintiff.

A. N. King et al.

vs.

City of Portland et al.

Suit to enjoin collection of assessment levied for improvement of

property situated on East Yamhill and East Water streets. Tried December 15, 1899, and taken under advisement by the court.

W. M. Ladd et al.
vs.

H. A. Hogue et al.

Suit to foreclose mortgage. Case stands on appeal in Supreme Court from decision of Circuit Court.

Chas. E. Ladd
vs.

A. N. Gambell, Auditor.

Suit to restrain the auditor from issuing interest-bearing street-improvement bonds for the improvement of Davis street, and also for the improvement of East Morrison street. Case decided in Supreme Court in favor city December 4, 1899.

Leander Lewis
vs.

City of Portland.

Action for damages on account of alleged loss of lateral support. Case stands on demurrer to complaint.

William S. Lauthers
vs.

John L. Wells.

Action to recover value of horse shot by defendant. Case stands on answer to complaint.

Oregon Transfer Company
vs.

City of Portland.

Action to recover amount of warrants issued for the improvement of Sixth street, M to H. Case stands on demurrer to complaint.

John O'Connor
vs.

City of Portland.

Suit to collect alleged back salary as fireman. Case stands on demurrer to complaint.

The Oregon Real Estate Company

vs.

City of Portland et al.

Suit to restrain defendants executing warrant for collecting assessments levied for the repair of Grand avenue. Judgment for plaintiff, June 30, 1899. Appealed to Supreme Court.

Kate O'Neil

vs.

City of Portland.

Suit to recover amount paid on account of assessment levied for the improvement of East Eighth street. Case stands on demurrer to complaint.

Milton W. Smith et al.

vs.

City of Portland et al.

Action to restrain the sale of property in Caruthers' Addition, assessed for the improvement of Hood street. Stands on demurrer to complaint.

The Trinidad Asphalt Paving Company

vs.

City of Portland.

An action to recover against the city on warrants issued for the improvement of Sixth street. Case stands on demurrer to complaint.

The United States Mortgage & Trust Company

vs.

P. A. Marquam et al.

Action to foreclose mortgage on Marquam Grand. City derives interest on account of sewer assessment. Case stands on demurrer to complaint.

Wells, Fargo & Co.

vs.

City of Portland.

Action to recover amount of warrants issued to Portland Bituminous Paving & Improvement Company for the improvement of Sixth street, M. to H. Case stands on demurrer to complaint.

Wells, Fargo & Co.

vs.

J. W. Hill et al.

Action to foreclose a mortgage in which the City of Portland is interested as the successor in interest to the City of East Portland. City does not file any appearance on account of the statute of limitations, the matter having gone for fifteen years without any action on the part of the city.

John Kiernan, Trustee,

vs.

A. E. Borthwick et al.

Suit to foreclose mortgage executed by A. E. Borthwick and Alice C. Borthwick, conveying certain property to secure payment of promissory note. City makes no appearance, for the reason that the street was dedicated subsequent to the mortgage and conditionally.

RECAPITULATION.

Cases pending January 1, 1899.....	61
New cases brought during 1899	33
Cases tried or otherwise disposed of during the year 1899.....	16
Cases now pending	94
Cases pending on appeal to the Supreme Court.....	11

This does not include any cases tried in the Police Court, which average about 200 cases a month. Respectfully submitted,

J. M. LONG, City Attorney.

Annual Report
OF THE
Health Department
OF THE
City of Portland, Ore.

Health Office, Portland, Or., Dec. 31, 1899.

To the Honorable Mayor and Common Council:

Gentlemen—I beg leave to present herewith the report of the Health Department of the city for the year ending December 31, 1899, detailing the scope and character of work performed by this department, together with suggestions as to improvements that should be inaugurated.

Since my induction into office as your Health Officer, August 15, 1898, I have endeavored to broaden the scope and usefulness of the department, as this report, I think, will conclusively show. The intelligence of the world today fully recognizes the importance of active, aggressive, conscientious, official management of all matters pertaining to public health. This can be done in no other way than through the medium of thoroughly equipped Health Departments.

Public thought needs to be awakened to a realization of the fact that millions of deaths could be averted yearly if only the means now offered by science were practically applied to this end. Public health work is the application to actual living beings of that knowledge

which is known to protect from germs or other agencies which induce disease and cause premature death. Public health workers are doing what they can to break up intensely crowded places in cities; to improve the air in dwellings, schoolhouses and manufactories, and public lodging-houses; compel the food and drink to be free from the bacillus tuberculosis, and readily digestible; securing adequate and complete drainage; encourage outdoor life; in short, making all the conditions of life such as favor the most perfect physical development of the individual.

Owing to public health work in New York city the death rate has declined from 32.94 in 1863 to 19.00 in 1898. Since the beginning of 1895, when the public use of antitoxine was begun, diphtheria has diminished nearly 40 per cent. In the last ten years the combined death rate from measles, scarlet fever, diphtheria, croup, smallpox and typhoid fever has been reduced one-half. During the past five years the deaths from consumption have been enormously reduced. Public health work in most of the large cities has rendered epidemic dysentery unknown. Experts in vital statistics tell us that the saving in lives to the large cities of the United States is over 35,000 per annum. Public health work can be defined to mean the protection of human life from all harmful agencies, and in this work is the necessity for such studies as will give the desired knowledge, viz: A study of scientific facts as applied to the conditions of life. Such studies are intricate, and beset with difficulties, only to be overcome by those who devote special attention to them. Having secured such knowledge the application must come through organized, well-equipped, official Health Departments. We now have accurate observation as to the health and lives saved by the introduction of Bull Run water, in 1893, for which we can well have reason to be thankful. Prior to 1893 the city was supplied with water taken from the Willamette river, which is the main depository of filth for the numerous towns situated on its banks. With water from the Bull Run lake, situated in the Cascade mountains, Portland has a bountiful supply of as pure water as any city in the world. And the mortality of the city has been reduced 25 per cent, thus showing that the \$4,000,000 spent in the water plant has not been without good results. In order to place our Health Department in a position to accomplish all that our citizens have a right to expect, our appropriation for the maintenance of this department proper should be sufficient to allow a milk and meat inspector and a bacteriological laboratory. With our limited force, consisting of a City Physician, one deputy and myself, we have not sufficient time to devote to these very important matters and attend to the other duties of the office. In my report of 1898 you will find that I also called your attention to these recom-

mendations. There can be no more important duty that a Health Department can perform than the supervision of the milk supply. Milk is subject to rapid chemical changes, which not only interfere with its food value, but render it capable of producing very serious results. The most important milk communicable diseases are the diarrheal diseases, typhoid fever, diphtheria, scarlet fever and tuberculosis. Evidences are conclusive that epidemics of all these diseases have at times been caused by contaminated milk. Very stringent measures should be exercised to prevent the communication of tuberculosis to the human family from the use of milk from tuberculous animals. That which confronts us now is how to prevent this. The question of a pure milk supply is a live one, and will grow in importance in proportion as people are educated in this particular.

The Meat Inspector should be a veterinary surgeon, or one competent to pass upon the healthfulness of our meat supply. The fact is much of the meat sold is diseased and unfit for food, and some of it would go without a purchaser had the people an opportunity of seeing the same prior to its being slaughtered for consumption. The diseases communicated from diseased meats are the most formidable and the most dreaded by the human family.

ABATTOIR.

I also recommend the establishing of the "abattoir" system, which has proven a success in a number of European and American cities, where all slaughtering of animals should be done. This would concentrate nuisances arising from slaughtering-houses, and materially assist the Meat Inspector in the performance of his duties. I believe such an institution, with ordinances regulating the operation of same, could be made self-sustaining, and meet with all requirements pertaining to slaughter-houses and the sale of meats.

BACTERIOLOGICAL LABORATORY.

A bacteriological laboratory in connection with this department, the knowledge afforded by the science of bacteriology in the management of contagious diseases, would be of incalculable practical value in making accurate scientific diagnosis tests in many of the diseases of contagious or infectious nature.

CITY PESTHOUSE.

The committee on Health and Police purchased two acres of land, with six-room house thereon, about four miles west of courthouse, and well situated for pesthouse purposes, being on elevated ground and isolated. This property was purchased at the low figure of \$840, which

undoubtedly was a bargain, as the house alone is almost worth that amount. The title had hardly been transferred to the city before a smallpox patient was discovered in one of our doctor's offices. So the house was furnished without delay and the patient transferred there and cared for. Since that time ten smallpox patients have occupied the building and the disease has not been allowed to spread. Our City Physician has been very diligent in the performance of his duty, and especially prompt in the handling and caring for these patients; also in disinfecting all rooms that had been occupied by them, and all cars and steamers on which they traveled, as all these patients contracted the disease outside the city.

SEWERS.

In this city there are 197 miles of improved streets and ninety miles of sewers. Therefore there is a large amount of territory that is not provided with sewers and must of necessity depend on vaults and cesspools. This is a bad condition, from a sanitary point of view, and the department should urge the construction of sewers and the connection therewith wherever practicable. Would recommend that the sewer system be constructed in the following much-needed districts, viz: That portion of the East Side south of Division street, known as Brooklyn; also that part of Upper Albina north of Fremont street; and on the West Side that part of the city south of Hamilton avenue. These districts are badly in need of sewers, and the residents are compelled to supply their homes with privy vaults and cesspools, and many would gladly connect with public sewer when constructed. As a precautionary measure and before epidemic invades these districts it would be well to attend to this matter. With few exceptions the thickly populated portion of the city is well sewered. During the past year this office has been instrumental in securing laterals in streets that were badly in need of same.

CITY GARBAGE.

The question of the disposal of the city garbage was definitely settled in July, 1897, when the new Engle crematory was completed. Prior to this time the garbage was loaded on open scows and towed down the river twelve miles, where the old crematory was located. This proved to be a very expensive and unsatisfactory method of disposal. During the year of 1896 it cost the city \$11,417.50 to care for its garbage. With the Engle crematory located within the city limits, with the increase of over 10,000 population, it cost in 1899, \$3,836, thus showing a saving to the city of \$7,581.50 over the old method. The total cost of the crematory, including five acres of ground which is well situ-

ated for the purpose, and building of plank roadway, was about \$25,000. The larger portion of the ground is very low, bordering on Guild's lake, which is well adapted for a dry dump for ashes and other dry material. The city water mains run to it, and good facilities for washing the wagons and carts after the loads have been dumped. I will say in behalf of the Board of Public Works that the crematory is run in a very economical and satisfactory manner. The garbage is all taken to the crematory by private contract. Each wagon is required to pay a city license. We have considerable trouble with the owners of these wagons to keep their loads properly covered during the summer. Each of these scavengers was given a letter of instructions, explaining the city ordinance pertaining to the hauling of garbage through the streets, and since then we have had less complaints from that direction.

ANTITOXINE.

The use of antitoxine in diphtheria cases has been more general by the medical fraternity. While we have had more cases in 1899 than the previous year, the mortality from that cause has been reduced 25 per cent. Diphtheria is considered one of the most dreaded diseases, yet with the use of this remedy in the early stages of the disease, and proper care of the patient, there need be no more fear from it than any other disease. Up to the present time after the serum has been in use for several years no evidence has been adduced as to its danger or injurious effect which should deter any one from its use. I believe that the curative value of diphtheria by the use of antitoxine is absolutely established.

FORMALDEHYDE GAS.

This department, through the City Physician, has adopted Formaldehyde as the most effective disinfectant.

During the last three years the antiseptic and disinfecting properties of this agent have been extensively investigated, with results so generally satisfactory that there is no longer any doubt regarding its widespread utility.

The use of Formaldehyde gas as a germicidal agent and disinfectant where infectious diseases have appeared, has attracted general attention. The satisfactory results which have attended its employment and its adoption, after careful investigation by the health authorities of very many of the larger cities, proves conclusively the efficiency of Formaldehyde for general municipal disinfection and the control of contagious diseases.

THE WATER.

The main source of the water supply of Portland is Bull Run lake, situated in the Cascade mountains, at an elevation of 3,500 feet above the level of the sea. The lake, about three miles long, nearly a mile wide and very deep, is seven miles northwest from the summit of Mount Hood. The deep canyon of the Sandy river prevents the discolored waters from the glaciers of that mountain from running into the lake. It is supplied entirely from unfailing springs in the steep, rocky slopes, surrounding it on all sides, fed by water from melting snow and rain.

The only outlet from the lake is under an immense mass of shattered basalt, which fills the canyon at its northwest end. From the base of this natural dam, 350 feet below the surface of the lake, the water gushes forth and forms Bull Run river, a tributary of the Sandy, which empties into the Columbia at Troutdale.

Bull Run river, after flowing very rapidly through a rocky canyon nearly twenty miles, is tapped by a pipe forty-two inches in diameter, at a point thirty miles east from Portland, and 720 feet above low tide in the Willamette river, and a portion of the water, without being stored in any reservoir, flows through the thirty miles of pipe directly into the distributing mains in the city, at the rate of 24,000,000 gallons daily.

The pipe is buried deep in the ground and thoroughly protected from heat; in crossing the Willamette river it is laid in a trench dredged below the bottom of the ship channel. The water reaches the city in seven hours, and is then as cool and sparkling as when it left the river.

The region forming the watershed of the lake and river is of volcanic origin. Great ridges of basaltic rock cleft by deep canyons, but, wherever there is sufficient soil, shaded by dense forests of evergreen trees, and covered with vines, briars, ferns and mosses. It is a rugged wilderness, impassable for a horse, and difficult for man to penetrate. There is not a habitation, pasture, road or trail on the watershed of the lake and river above the point where the water for the city is taken out; consequently, there is absolutely nothing which can pollute in the slightest degree the perfect purity of the water. When it pours from the pipes in the city, it is as healthful and refreshing as when it fell from the clouds.

The President of the United States, at the request of the Water Committee of the City of Portland, presented by the Senators and Representatives of Oregon, issued, on June 17, 1892, a proclamation by authority of the Act of Congress approved March 3, 1891, setting aside

the "Bull Run Timber Reserve," a tract of land containing 222 square miles, which embraces the watershed described above, and an ample margin around it.

The United States will not sell any land in this reserve, nor permit timber to be removed from it, nor allow sheep or cattle to be pastured thereon. So long as the laws governing these matters remain unchanged, the water supply of Portland cannot be injured, provided the law "to prevent forest fires on the public domain" is properly enforced.

The forest shades the snow, which every winter covers the high land deeply, and retards its melting; the undergrowth protects the soil, and prevents it from being washed into the streams. The result is that no "settling reservoir" is needed; the water is always as clear as crystal, and free from sediment even during the greatest freshets. It is so cool that it does not need ice to make it palatable.

ANALYSIS OF THE WATER.

2.7 parts in 100,000 parts by weight, or 1.89 grains per imperial gallon (of ten pounds avoirdupois), consisting of—

	Parts in 100,000.	Grains per gal.
Silica .....	.56	.392
Oxides of iron and aluminum.....	.08	.056
Calcium carbonate .....	.39	.273
Magnesium carbonate .....	.27	.189
Chlorides, sulphates and carbonates of alkali.....	.40	.280
Organic matter	1.00	.700
Totals	2.70	1.890

"The carbonates of lime and magnesia are in the form of soluble bicarbonates. The organic matter is mostly in the form of suspended vegetable substances and partly in soluble products of their decomposition.

"Microscopic examination of the sediment and chemical tests of the water show the absence of deleterious organic matter. Only traces of ammonia were found, while nitrates and nitrites could not be detected, showing absence of nitrogenous organic matter.

"To sum up, the water ranks among the best on record, and is excellently adapted for domestic use. . . ."

Note.—During the eight years that the water was pumped from the Wilamette river, the operating expenses and repairs amounted to 33 per cent. of the cash receipts; during the last four years, when supplied by gravity from Bull Run river, they have amounted to 15% per cent.

The reduction of the water rates on January 1, 1896, reduced the cash receipts 10 per cent. per annum.

MORTALITY.
Statement of Mortality in the City of Portland, for the year ending December 31, 1899, giving age, color, sex, nativities and social relations.

Month.	Age of Decedents.						Color.			Sex.		Social Stat.			1898		1899			Nativities.		
	Under 1 year.	1 to 3 years.	3 to 20 years.	20 to 40 years.	40 to 60 years.	60 to 100 years.	White.	Colored.	Mongolian.	Females.	Males.	Married, Widow.	Single, over 20 years.	Single, under 20 years.	Total number of deaths.	Total number of deaths.	Foreign.	Other states.	Oregon.	Here for Treatment.		
																					83	63	42	37	18	8
January	12	4	12	20	13	22	80	0	3	33	50	44	21	18	83	63	42	37	18	8		
February	9	6	8	30	19	23	89	0	4	43	52	44	32	19	95	72	29	41	25	10		
March	17	2	4	14	16	23	76	0	5	23	58	31	33	17	81	79	27	46	18	8		
April	9	4	8	18	20	22	73	0	8	33	48	42	21	18	81	71	29	35	17	10		
May	8	4	10	18	16	17	68	0	5	33	40	44	10	19	73	78	33	21	19	0		
June	4	4	6	21	25	12	70	0	2	27	45	40	20	12	72	49	31	32	9	10		
July	4	2	6	15	10	17	52	0	2	15	39	30	15	9	54	58	25	17	12	8		
August	8	1	3	14	21	13	56	0	4	25	35	31	17	12	60	64	24	24	12	6		
September	13	10	6	19	11	14	68	0	5	36	37	35	8	30	73	76	18	31	24	10		
October	17	5	6	15	14	14	67	1	2	36	35	28	10	33	71	78	23	24	24	7		
November	5	2	2	15	5	18	44	1	2	23	24	30	8	9	47	71	18	22	7	5		
December	9	12	10	12	14	16	67	1	5	39	34	32	18	23	73	83	25	24	24	7		
Totals	115	56	81	211	184	216	810	2	51	366	497	431	213	219	863	842	324	354	209	89		

TABLE
Statement showing number of deaths in hospitals, total number of burial permits issued to cemeteries; also the number brought here and sent away for interment.

Month.	Hospitals.					Cemeteries.								Shipped away.	Brought here.
	St. Vincent's.	Good Samaritan.	Baby Home.	Joss House.	Other Public Hospitals.	Lone Fir.	Riverview.	Mt. Calvary.	Greenwood.	Beth Israel.	St. Mary's.	Poor Farm.	Other Places.		
January	11	4	..	1	1	49	8	20	6	..	1	..	9	14	14
February	11	5	..	1	1	30	6	14	11	2	..	4	2	26	4
March	11	10	..	..	1	33	4	7	5	..	3	3	8	18	10
April	11	8	..	..	..	37	7	7	8	2	1	2	3	20	7
May	12	6	..	2	1	27	7	5	10	2	1	2	7	12	11
June	17	5	..	..	..	37	6	6	2	2	..	3	4	12	12
July	12	2	..	..	..	20	4	7	4	2	1	..	4	12	11
August	8	2	..	3	..	29	3	1	7	2	2	2	3	11	21
September	6	7	..	..	..	32	6	9	4	1	..	..	4	15	8
October	8	4	..	..	1	47	11	13	4	2	2	3	3	10	11
November	5	7	..	1	..	19	3	3	4	1	..	1	1	3	9
December	10	8	..	2	..	35	6	4	3	2	1	..	5	14	10
Total	122	68	..	11	5	395	71	100	68	18	14	22	55	173	103

UNCLASSIFIED.

Old age	20
Childbirth	2
Jaundice	5
Exhaustion from operation.....	5
Internal injuries	10
Senile gangrene	4
Fracture of spine.....	3
Fracture of skull.....	9
Fracture of ribs.....	2
Drowning'	12
Burns	3
Carbolic acid poisoning.....	3
Alcoholism	5
Suicide	14
Surgical shock	4
Accident	17
Vomiting of pregnancy.....	2
Malnutrition	5
General debility	13
Murder	2
Opium poisoning—chronic.....	3
Syphilis	2
Pyæmia	6
Pleurisy	4

CONSTITUTIONAL DISEASES.

Cancer	10
Cancer of stomach.....	14
Cancer of bowels	2
Cancer of liver.....	7
Marasmus	5
Sarcoma	4
Cancer of breast	3
Cancer of kidney.....	1
Rheumatism	4
Anaemia	3
Gout	2
Tumor	3
Carcinoma	4

 DIGESTIVE SYSTEM.

Paralysis of bowels.....	1
Enteritis and Entero-Colitis.....	27
Intestinal colic.....	1
Appendicitis.....	14
Peritonitis.....	17
Cirrhosis of liver.....	4
Obstruction of bowels.....	10
Gastritis.....	13
Inanition.....	10
Cholera infantum.....	18
Ulceration of stomach.....	1
Inflammation of bowels.....	4
Acute intestinal obstruction.....	2
Dysentery.....	4
Hemorrhage of bowels.....	1

 COMMUNICABLE DISEASES.

Tuberculosis.....	103
La Grippe.....	28
Typhoid fever.....	21
Scarlet fever.....	2
Measles.....	3
Membranous croup.....	2
Whooping cough.....	7
Diphtheria.....	9
Erysipelas.....	4
Septicemia.....	10

 CIRCULATORY SYSTEM.

Heart paralysis.....	29
Heart, valvular.....	33
Endocarditis.....	9
Engina pectoris.....	3
Heart, dilatation.....	3
Cardiac asthemia.....	2
Cyamosis.....	2
Pericarditis.....	4

RESPIRATORY SYSTEM.

Pneumonia	59
Bronchitis	16
Oedema of lungs.....	4
Asthma	3
Hemorrhage of lungs.....	8
Congestion of lungs.....	3
Acute pulmonary phthisis.....	1
Atelectasis	1

GENITO-URINARY SYSTEM.

Diabetes	7
Bright's disease	18
Cystitis	2
Uraemia	7
Nephritis	6
Carcinoma of bladder.....	5
Dropsy	7

NERVOUS DISEASES.

Paralysis	19
Cerebral hemorrhage	10
Apoplexy	9
Softening of brain.....	2
Meningitis, cerebro-spinal.....	24
Meningitis, tubercular	8
Nervous prostration	5
Spina-Befida	2
Locomotor ataxia	3
Meningeal abscess	4
Convulsions	8
Hydrocephalis	2

**Comparative Mortality Record and Cost of Maintaining Some
of the Departments of the United States.**

Cities.	Population.	Death rate per 1,000 inhabitants.	Cost of main- ing H. D.
Albany, N. Y.....	100,000	18.76	\$ 9,146
Atlanta, Ga.	120,000	17.26	126,256
Cambridge, Mass.	89,724	17.13	17,497
Columbus, Ohio	140,000	9.92	10,866
Dayton, Ohio	85,000	13.18	4,816
Denver, Colo.	167,000	11.34	40,298
Fall River, Mass.....	101,000	18.44	7,792
Grand Rapids, Mich.....	90,000	9.99	7,116
Los Angeles, Cal.....	103,000	14.63	12,218
Lowell, Mass.	87,000	19.99	26,327
Nashville, Tenn.	110,834	17.79	3,320
Paterson, N. J.....	107,864	15.72	5,000
Syracuse, N. Y.....	130,000	12.18	23,424
Worcester, Mass.	108,463	17.16	17,119
Portland, Or.	96,600	8.93	5,216

Table showing number of contagious and infectious diseases reported for the year 1899; also a comparison with the year 1898 :

Month	Diphtheria	Scarlet Fever	Typhoid fever	Measles	Chicken pox	Small pox	Deaths from contagious diseases
January	4	5	1	47	1	0	9
February	4	9	1	38	0	0	5
March	4	27	1	60	0	0	10
April	4	17	7	65	4	0	8
May	3	13	4	51	0	0	8
June	4	3	3	26	2	5	3
July	12	4	4	5	2	1	3
August	15	4	6	1	0	0	2
September	7	3	7	3	0	1	2
October	11	7	9	2	0	2	6
November	13	11	12	1	0	0	3
December	28	11	12	2	1	1	10
Total, 1899	109	114	67	301	10	10	69
Total, 1898	66	77	87	247	5	0	41

In comparison with the previous year we have 43 more cases of diphtheria, but 3 less deaths from that disease. The probable cause is the more general use of Antitoxine. There were 27 more cases of scarlet fever, which generally has been of a mild form, but you will find a decrease of 20 cases in typhoid fever. The ten cases of small pox have been of a very mild form—no deaths having occurred from that disease.

BIRTHS.

Table showing total number of births reported during the year; also sex, color, premature and still births :

Month	Males	Females	White	Colored	Yellow	Total for month	Premature and still births
January	50	48	98	0	0	98	11
February	31	40	70	1	0	71	2
March	49	45	90	0	4	94	6
April	48	45	91	0	2	93	3
May	36	35	70	1	0	71	9
June	42	45	86	1	0	87	5
July	49	65	114	0	0	114	5
August	56	47	103	0	0	103	9
September	52	42	94	0	0	94	5
October	46	47	93	0	0	93	9
November	45	42	87	0	0	87	3
December	58	52	106	0	4	110	7
Total	562	553	1102	3	10	1115	74

MARRIAGES.

Marriage licenses issued during the year were as follows:

January	62
February	38
March	60
April	45
May	45
June	80
July	60
August	61
September	79
October	91
November	69
December	74
Total	764

Showing total number of nuisances reported to health department during year ending December 31, 1899.

TABLE

Month.	Notices written and verbal	Notices to Plumbing Inspector and other city officials	Notices to fill cesspools	Notices to clean yards	Garbage notices posted	Notice to remove manure piles	Notices to clean cellars and basements	Notices to remove swill barrels	Notices to remove nuisances on streets and buildings	China wash houses inspected	Fish markets and oyster houses inspected	Number of letters written	Notices to clean alley
January	96	23	10	27	6	19	3	12	10	2	3	28	9
February	108	29	15	36	8	8	4	10	7	2	2	35	2
March	114	31	22	36	6	12	5	8	6	2	1	38	0
April	136	31	60	25	7	10	8	5	7	3	3	30	0
May	130	31	18	43	7	20	6	14	9	5	5	35	2
June	136	26	22	35	4	16	5	10	7	4	2	22	1
July	162	48	25	30	6	18	65	18	16	2	3	35	2
August	118	42	30	29	10	10	8	15	11	5	2	40	3
September	137	42	30	41	8	10	7	19	11	4	8	38	0
October	117	17	28	35	10	13	9	21	17	8	7	40	0
November	99	17	20	18	7	10	6	18	11	4	5	35	5
December	110	26	30	31	8	5	3	20	10	2	3	38	2
Total	1486	363	310	386	90	143	129	170	112	44	47	404	23

**Area of the City and Condensed List of
Public Improvements.**

Area of city in square miles.....	40
Number of acres.....	25,600
Estimated value of real estate.....	\$90,000,000
Estimated population, Polk's Directory.....	96,600
Annual death rate.....	8.93
Miles of street railway, electric.....	105
Capital stock, combined companies.....	\$ 3,000,000
Miles of sewerage.....	97
Water mains, miles.....	165
Cost of city water works.....	\$ 3,836,508
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 building.....	150,000
Cost of Custom-House and ground.....	800,000
Cost of Portland hotel.....	1,000,000
Number of electric street lights, arc.....	654
Incandescent	678
Newspapers, dailies	4
Newspapers, weeklies	52
Number public schools.....	29
Number private schools.....	17
Number teachers	290
Number pupils	11,130
Estimated disbursements of public schools annually.....	\$ 507,960
Churches	126
Public library, volumes.....	23,000
Public hospitals, homes and asylums.....	23
Number fire hydrants in city.....	536
Number passenger trains entering and leaving the Union depot daily	22

Cost of maintaining Health Department for the year 1899; also purchase of pesthouse and furnishing same:

Salary of City Physician.....	\$1,500.00
Account care indigent sick.....	1,094.75
Salary of Health Commissioner.....	1,080.00
Salary of deputy Health Commissioner.....	555.48
Stationery and blanks.....	101.44
Miscellaneous expenses	68.75
Purchase pesthouse	844.95
Account care smallpox patients.....	815.89
Total	\$6,061.26

Respectfully submitted,

J. P. MENEFEE,

Health Commissioner.

Annual Report

OF THE

Plumbing Inspector.

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

Gentlemen—I take pleasure in submitting herewith for your consideration the eighth annual report of the City Plumbing Inspector. This past year has been one of diligent and systematic inspection of plumbing on the part of myself and deputy. I can say with all fairness that there has been a better class of plumbing from a mechanical point and also a better grade of material used than previously. The importance of first-class plumbing is no longer overlooked by the home-builder, and in the many new homes erected this year you will find the plumbing complies with the ordinance in every particular. Notwithstanding our plumbing laws could be greatly improved upon, unfortunately many people will scheme and do everything in their power to evade the plumbing law requiring them to put in sanitary plumbing. Very often the owners of cheap dwellings after being notified that the plumbing on their property is defective will express an unwillingness to comply, giving as their reason the property is only a cheap tenement, not considering that the health of those in cheap tenements is as dear to them as the health of those in the most costly dwellings. Those persons renting dwellings should be more particular as to the sanitary condition of such, and I would recommend that they demand a certificate of inspection, signed by the Plumbing Inspector, from the agent or landlord, to assure them that the plumbing is in good sanitary condition, free from noxious odors and sewer gas. In making inspections of dwellings where diphtheria and other contagious and infectious diseases were reported, I invariably found the plumbing in an unsanitary condition; in many instances where the supply of water was disconnected for the purpose of economy thereby endangering the

health of the occupants by allowing foul air from the sewers free access throughout the building, due to the evaporation of water seals of traps. To avoid this dangerous practice I sent a communication to the Superintendent of the Water Company requesting him not to allow a rebate for water turned off from any plumbing fixture before it was examined by myself or deputy so that the fixture was disconnected and the pipes properly sealed against sewer gas. The Water Company willingly complied with my request and had forms printed to be signed by me before allowing water to be turned off from fixtures. It will be seen that during the year ending December, '99, this office has inspected 162 cesspools. It would be well to mention that previous to my appointment cesspools were often placed close to the foundations, and in several instances under buildings, which endangered the health of those living over them. I was instrumental in having that section of the ordinance changed, viz: That cesspools should be placed ten feet from building and arched over five feet below the surface; and in my opinion where there are basements they should be arched over at least two feet below the level of basement floor. In time the solid matter entering the cesspool fills up the joints; in this event as the solid matter accumulates the liquid portion rises higher constantly and eventually overflows from the top, and when not arched over at a reasonable distance below the basement floor will back up and leak into the basement several months before detected by the odors arising from the saturated ground. Sewers are bad enough even under the most favorable conditions, though for the present they seem to be necessary evils. In cities and populous districts leaching cesspools at their best are liable to be worse than sewers at their worst, since they are not channels to carry away filth, but receptacles for its storage, wherein we can manufacture our own supply of sewer gas and conduct it into our houses through the waste pipes which we imagine are effectually sealed against it by the water in the traps. On several occasions I have been requested to examine the plumbing in dwellings where malaria was complained of, and in several instances after examining the plumbing found it in fair condition, but the cellar damp, moldy and unventilated.

When health is a consideration the occupant should see that his cellar is clean, dry and well ventilated, and that the rain leaders be run out from the building at least five feet, with cast-iron pipe well caulked to avoid leakage, as nine-tenths of the dampness of basements is caused by roof leaders not being properly connected. In a great many instances cellars are allowed to become so foul as to be a perpetual menace to health. When from any cause a cellar is liable to become wet either from the inflow of water under or through the foundation or soakage from the soil it should be drained by a floor drain; but under no consideration should the floor drain of a basement under

a dwelling be connected with the sewer if it can possibly be avoided. Floor drains under dwellings when connected with the sewer should be properly ventilated and supplied with clean water from a special tank. It is only the intelligent plumber who realizes that the health and lives of those occupying the dwellings where he puts in his work depends upon his skill and honesty.

I am pleased to say since the plumbing ordinance was changed the plumbers in general are working more harmoniously with this office, and are cognizant of the fact that the office should be upheld in enforcing the law, when our motto is privileges to none and equal rights to all.

New buildings inspected.....	435
Old buildings inspected, with new fixtures.....	725
Cesspools connected	162
Sewers connected	340
Written notices served.....	320
Special permits issued.....	26
Total number of licensed plumbers.....	40
Reports of defective plumbing.....	270
Plumbing remodeled on notice.....	249
Total number of visits for the year ending December, '99.....	5,580

Respectfully submitted,

M. P. FLEMING,
Inspector of Plumbing.

REPORT OF CHIEF OF POLICE.

Portland, Oregon, January 1, 1900.

To the Honorable Board of Police Commissioners, Portland, Oregon.

Gentlemen—I herewith submit my annual report for the year ending December 31, 1899.

Respectfully,

D. M. McLAUHLAN,
Chief of Police.

Number of Patrolmen	49
Number of arrests	2,870
Number of males	2,602
Number of females	268
Number of foreigners	905
Number of minors, males	172
Number of minors, females	6
Females provided with lodgings	4
Males provided with lodgings	292
Number of days officers absent from duty	350

EXPENSES OF POLICE DEPARTMENT FOR 1899.

	Prisoners	Horses	Bicycles	Patrol Wagon	Jail Repairs
January	\$ 6.07	\$ 77.68	\$.60		\$ 17.85
February	87.10	50.98	2.55		19.40
March	164.23	61.96	2.25	\$ 1.10	55.30
April	97.60	47.74	2.85	130.00	10.25
May	104.95	8.00		3.80	4.10
June	84.33	39.47		1.70	.75
July	96.94	63.37	26.35	7.20	14.65
August	96.35	36.88	42.50	3.10	38.00
September	83.17	56.52	9.00		19.49
October	8.00	34.34	.30	.95	13.30
November	199.00	62.05		1.40	13.84
December	79.53	44.73	6.00	7.00	70.93
Totals	\$ 1,107.27	\$ 583.72	\$ 92.40	\$ 156.25	\$ 277.86

EXPENSES OF POLICE DEPARTMENT FOR 1899.—Continued.

	Fuel	Light	Books and Printing	Telephones
January	\$ 32.00	\$ 48.65	\$ 13.00	
February		3.30	12.75	38.40
March	55.00	86.04	48.60	84.35
April	31.75	34.45		41.65
May	31.50	36.85	1.75	44.00
June		34.42	10.50	39.05
July	27.50	5.90	9.95	
August		60.81	11.80	84.80
September	3.75	39.65	30.25	40.50
October		24.53	16.40	
November	4.00	44.60	17.65	82.10
December	82.50	36.75	5.00	26.10
Totals	\$ 268.00	\$ 455.95	\$ 177.65	\$ 480.95

EXPENSES OF POLICE DEPARTMENT FOR 1899.—Continued.

	Telegrams	Alarm System	Contingent	Salaries
January	\$ 6.81	\$ 32.46		\$ 5,099.00
February	3.90			5,099.00
March	2.88	75.00	25.40	5,113.50
April	7.08	23.73	12.00	5,129.25
May	1.05	7.25		5,153.55
June	10.49	30.15	9.30	5,156.35
July	16.35	10.25	24.53	5,155.00
August	11.80	116.85	4.50	5,229.30
September		167.00	2.05	5,200.65
October		41.21		5,154.00
November	18.48	4.00	7.00	5,102.70
December	12.32	1.25	6.00	5,154.00
Totals	\$ 91.16	\$ 509.15	\$ 90.78	\$ 61,746.30

RECAPITULATION.

Total claims	\$ 4,291.14
Total salaries	61,746.30
Total	\$66,037.44

LOUIS RAU,

Secretary Board of Police Commissioners.

Portland, Oregon, December 30th, 1899.

HON. D. M. McLAUCHLAN, Chief of Police.

DEAR SIR :—Herewith please find my annual report for the collections and payments to the City Treasurer :

	Assessments	Cost	Interest	Surplus	Total
Street Improvements	\$ 3713 28	\$ 57 25	\$ 86 93	. . . . .	\$ 3857 46
Sewer Construction	3261 82	142 25	331 10	. . . . .	3765 17
Street Extension	601 95	17 75	. . . . .	30 00	619 70
Street Repairs	61 59	3 00	7 81	. . . . .	72 40
Totals	\$ 7638 64	\$ 220 25	\$ 425 84	\$ 30 00	\$ 8314 73

Respectfully submitted,

LOUIS RAU, Clerk.

NATURE OF CRIME.

Assault	2
Abusive language	31
Attempt to extort money	2
Attempt to rob grave	1
Attempted rape	7
After hours	31
Attempt to kill	4
Assault and battery	205
Assault with dangerous weapon	31
Assault with intent to kill	1
Annoying passengers	4
Adultery	5
Accessory to manslaughter	1
Burglary	10
Bicycle without light	10
Buying and receiving stolen goods	4
Carrying basket on sidewalk	6
Carrying concealed weapon	16
Cocaine in possession	11
Contempt of court	2
Cruelty to animals	2
Disorderly conduct	43
Drunkenness	903
Drunk and disorderly	103
Destruction of personal property	24
Defacing building	48
Doortender at gambling-house	2
Disturbing religious meeting	13
Disorderly by fighting	40
Driving on bicycle path	1
Destruction of property	2
Deserters	6
Escaped from Boys' and Girls' Aid Society	2
Extorting money	1
Embezzlement	3
False pretenses	2
Forgery	6
Fighting	34
Frequenting house of ill fame	1
Fast driving over public bridge	1
Frequenting barroom	2

Fugitives from justice	2
Gambling	37
Held as witnesses	84
Held for County Jail ..	1
Horses on sidewalk	1
Highway robbery	1
Injury to building	2
Insane	29
Indecent exposure	11
Injury to personal property	6
Interfering with an officer	6
Injury to a fence	8
Kidnaping	3
Larceny of a dog	2
Larceny of horse and wagon	1
Larceny of a cow	1
Lottery tickets in possession	5
Larceny	189
Larceny from person	41
Larceny from dwelling	16
Larceny by bailee	46
Larceny from a boat	1
Larceny from a store	13
Larceny from warehouse	5
Larceny from schoolhouse	1
Lewd cohabitation	9
Manslaughter	1
Morphine in possession	10
Malicious destruction of property	4
Murder	1
Night-walking	2
No charge	13
Obstructing sidewalks	3
Opium in possession	12
Obtaining money, false pretenses	11
On street with wrapper	2
Obtaining goods, false pretenses	8
Peddling without license	17
Prisoners, en route	14
Passing counterfeit money	1
Pickpocket	1
Refusing to assist officer	1
Resisting officer	2
Robbery, by putting in fear, not armed with dangerous weapon....	4
Refusing to move on	1

Rape	2
Reckless driving	1
Runaways from Boys' and Girls' Aid Society	1
Riding bicycle, no light	1
Running barber shop without license	1
Robbery	22
Serve out sentence	13
Selling liquor without license	4
Saloon open after 1 A. M.	1
Sodomy	3
Sturdy beggars	91
Suspicious persons	95
Stealing "Oregonians"	1
Selling lottery tickets	68
Street walker	3
Swill wagon on street after hours	2
Smoking opium	13
Seduction	4
Selling liquor to minors	2
Swill wagon without license	2
Soliciting for prostitution	6
Selling unstamped butter	2
Shooting and roaming streets after hours	2
Selling adulterated food	4
Threatening to do bodily harm	2
Trespass	65
Threatening to kill	20
Threats to commit assault and battery	1
Threats to commit larceny	1
Threatening to commit a crime	2
Threatening to commit murder	3
Unlawfully having salmon in possession	1
Vagrancy	76
Vicious dog	7
Violating ordinance	90
Violating scavenger ordinance	4
Violating state law by fishing	2
Wagon on sidewalk	1
Woodsaw, no box	1

MISCELLANEOUS.

Wagon calls	1,333
Accidents	25
Burglaries reported	49

Defective arc lamps	2,161
Defective incandescent lamps	9,180
Disturbance suppressed	6
Hold-ups	23
Fire alarms given	112
Lost children	107
Larcenies reported	141
Nuisance notices served	7
Sidewalks reported for repairs	128
Witnesses summoned	142
Attempted burglaries reported	2
Disturbances reported	3
Officers detailed	122
Nuisances reported	6
Robberies reported	1

Number of prisoners convicted in the Municipal Court and sentenced to the County Jail

233

The following were turned over to the different charitable institutions by the Municipal Court:

To the Boys' and Girls' Aid Society.....	31
To the Magdalen Home	2
To the Reform School	4

Number of arrests on state warrants during year 1899.....	406
Number of arrests on city warrants during year 1899.....	78

VALUE OF ARTICLES AND CASH LOST, STOLEN AND RECOVERED,
FROM JANUARY 1, 1899, TO JANUARY 1, 1900.

DATE	REPORTED						RECOVERED					
	Lost			Stolen			Lost			Stolen		
	Cash	Articles		Cash	Articles		Cash	Articles		Cash	Articles	
January	\$. . .	30 00	\$ 153 50	\$ 1091 50	\$. . .	\$ 30 00						\$ 802 00
February		70 00	197 18	639 50								405 00
March	24 00	60 00	22 15	983 00	24 00							732 50
April	15 70	200 00	66 85	804 25		200 00						448 00
May			90 00	633 61								225 25
June			37 00	1241 50								427 50
July		80 00	16 00	1580 50	6 00							420 00
August			45 00	1440 60								627 00
September			25 00	1332 00								700 00
October			40 00	843 00								310 00
November			88 50	694 00								209 00
December			143 50	551 50								95 00
Totals	\$ 125 45	\$ 440 00	\$ 924 68	\$ 11844 36	\$ 30 00	\$ 340 00						\$ 5421 27

CONVICTIONS IN THE CIRCUIT COURT OF PRISONERS BOUND OVER IN THE MUNICIPAL COURT.

Name.	Charge.	Sentence.
L. Burlingame.....	Larceny in dwelling.....	3 months in county jail
John Diggs.....	Assault.....	3 months in county jail
J. F. Bithner.....	Burglary.....	14 years in penitentiary
George Brooks.....	Eurglary.....	14 years in penitentiary
J. McLaughlan.....	Robbery.....	2 years in penitentiary
John O'Brien.....	Sodomy.....	1 year in penitentiary
A. V. May.....	Larceny by bailee.....	3 months in county jail
Fred Conely.....	Larceny.....	6 months in county jail
Dave Merrill.....	Robbery.....	13 years in penitentiary
Harry Tracy.....	Robbery.....	20 years in penitentiary
John Black.....	Attempt to commit rape.....	3 months in county jail
Fred Miller.....	Larceny from store.....	3 months in county jail
James Watson.....	Larceny from store.....	5 years in penitentiary
Thomas Voigt.....	Larceny from store.....	3 years in penitentiary
Frank Douglas.....	Larceny in dwelling.....	1 year in penitentiary
Ed. T. Johnson.....	Larceny in dwelling.....	6 months in county jail
J. D. Burke.....	Robbery.....	6 years in penitentiary
J. Mitchell.....	Robbery.....	8 years in penitentiary
J. P. Doyle.....	Larceny in dwelling.....	20 months in penitentiary
Chin Hall.....	Attempt to kill.....	\$100 fine

CONVICTIONS IN THE CIRCUIT COURT OF PRISONERS BOUND OVER IN THE MUNICIPAL COURT.

Name.	Charge.	Sentence.
Frank Mitchell.....	Assault with dangerous weapon.....	6 months in county jail
Charles Coats.....	Larceny in dwelling.....	1 year in penitentiary
Gus Peterson.....	Larceny from person.....	1 year in penitentiary
John McCoy.....	Indecent exposure.....	3 months in county jail
A. W. Johnson.....	Larceny in store.....	6 months in county jail
Jonathan Roberts.....	Larceny in dwelling.....	2 years in penitentiary
Al Kee.....	Larceny in dwelling.....	3 years in penitentiary
F. Edwards.....	Robbery.....	2½ years in penitentiary
May Hamilton.....	Larceny.....	6 months in county jail
Harry Bush.....	Assault with dangerous weapon.....	1 year in penitentiary
Robert Thompson.....	Burglary.....	5 years in penitentiary
J. W. Collins.....	Forgery.....	5 years in penitentiary
Charlie Law.....	Selling lottery tickets.....	\$150 fine
Huston Shannon.....	Larceny.....	6 months in county jail
Charles Lawrence.....	Burglary.....	1½ years in penitentiary
C. G. Lovett.....	Larceny.....	18 months in penitentiary
J. J. Madden.....	Liquor to minors.....	60 days in county jail
Total number of convictions.....		37
Number of cases still pending.....		39
Number of "not true bills" returned.....		70

Number of prisoners bound over to the grand jury by the Municipal Court during year 1899.....146

FINES COLLECTED BY THE MUNICIPAL COURT
DURING THE YEAR 1899.

Month.	City cases.	State cases.
January	\$ 504.00	\$ 90.00
February	162.00	20.00
March	46.00	7.00
April	105.00	.....
May	49.50	12.50
June	61.00	22.50
July	66.00	38.00
August	53.00	22.50
September	381.50	15.00
October	66.00	97.50
November	59.00	89.50
December	104.00	5.00
Total	\$1,647.00	\$419.50

DEDUCTIONS FOR LIGHTS REPORTED OUT DURING THE
YEAR 1899.

January	\$ 98.23
February	71.43
March	32.89
April	41.90
May	19.72
June	32.68
July	7.55
August	15.52
September	12.78
October	63.78
November	29.47
December	33.16
Total	\$460.11

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

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

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

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

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

Police Station, Sellwood, Columbia 'phone 5239.

Police Booth, Union avenue and East Clay, Columbia 'phone 5224.

Police Station, East Third and Pine, Columbia 'phone 5085.

Police Booth, Grand avenue and Hassalo, Columbia 'phone 5225.

Police Station, Russell near Mississippi avenue, Columbia 'phone
5133.

Police Station, Woodlawn, Columbia 'phone 5102.

INVENTORY OF REAL AND PERSONAL PROPERTY.

Real estate, estimated value	\$28,000.00
Police telegraph system	5,000.00
1 Patrol wagon	500.00
4 Patrol horses	400.00
1 Set patrol harness	40.00
1 Set harness hangers	10.00
1 Patrol alarm indicator	150.00
Utensils in barn	40.00
Feed and hay	30.00
2 Saddles	15.00
5 Bicycles	250.00

MAIN OFFICE.

1 Large safe	\$ 150.00
1 Clerk's desk	30.00
1 Captain's desk	15.00
1 Instrument desk	10.00
Police Arrest records	20.00
Ball record	10.00
Warrant record	10.00
Record for defective lights	10.00
Record for lost and stolen property	10.00
Cash record	10.00
1 Typewriter	30.00
1 Back chair	3.00

3 Desk chairs	6.00
Miscellaneous records	10.00
3 Chairs	3.00
1 Stove and pipe	10.00
Clocks and Mirrors	6.00
Cuspidors	2.00
2 Waste baskets .....	.50
1 City Directory	5.00
2 Pairs leg irons	10.00
30 Police clubs and Belts	45.00
30 Rolls of Paper for telegraphing machine	40.00

CHIEF'S OFFICE.

1 Desk	\$ 25.00
1 Office chair	2.00
3 Chairs	4.50
2 Letter files	2.00
1 Stove	4.00
1 Coal scuttle .....	.75
1 Safe	50.00

DETECTIVES' OFFICE.

1 Desk	\$ 25.00
5 Chairs	7.50
Rogue's gallery	125.00
1 Locker	10.00
Evidence locker	25.00
1 Letter press	4.00
Detectives' criminal record	20.00
1 Table	1.00
1 Criminal Description book	5.00
3 Letter files	2.00

SECOND FLOOR.

WITNESS ROOM.

1 File Case	\$ 8.00
1 Table	1.00
1 Desk	8.00
1 Safe for Municipal Clerk	100.00
4 Chairs	4.00
Carpet	1.00

MUNICIPAL CLERK'S OFFICE.

1 Roll top desk	\$ 25.00
1 Flat top desk	5.00
1 Slant top desk	8.00
1 File case	15.00
1 Hat rack	4.00
3 Chairs	3.00
1 Coal scuttle .....	.50
2 Cuspidors .....	.50
1 Waste basket .....	.25

COURT ROOM.

1 Stove and pipe	\$ 12.00
1 Table for attorneys	8.00
1 Clerk's table	1.00
26 Chairs	26.00
1 Witness chair	2.00
6 Benches	24.00
7 Cuspidors	1.75
Matting	20.00
1 Judge's chair	40.00

OFFICERS' ROOM.

12 Chairs	\$ 12.00
1 Desk	5.00
2 Tables	2.00
1 Stove and pipe	5.00
3 Cuspidors .....	.75
1 Coal scuttle .....	.50
Lockers for officers	40.00

THIRD FLOOR.

2 Carpets	\$ 8.00
4 Stoves	16.00
1 Table	2.00
1 Desk	4.00
9 Iron cots	27.00
9 Mattresses	9.00
10 Pair blankets	10.00
9 Pillows	4.00
8 Chairs	8.00

1 Cupboard	4.00
36 Sheets	6.00
25 Pillow cases	2.00
10 Towels .....	.50
1 Sofa	1.50
1 Locker	10.00

MUNICIPAL COURT.

Cash Book	\$ 15.00
Court Journal	25.00
Court Docket	25.00
Index to Journal	15.00
Seal	7.00
2 Books of numbered receipts	3.00
Ink wells, pens and penholders	1.00
Blanks	50.00
Stationery, envelopes, writing paper	7.50

COMMISSIONERS' OFFICE.

1 Safe containing records, etc.	\$ 135.00
1 Hat rack	2.25
1 Desk and contents for Clerk of Chief of Police	27.00
1 Closet for blanks	2.00
1 Set blue prints	135.00
1 Revolving office chair	3.50
1 Large city map	22.50
1 Writing table	13.50
1 Desk for Police Commissioners	22.50
1 City Directory	4.50
1 Stove and pipe	9.00
2 Sets gas fixtures	4.50
5 Leather cushion chairs	22.50
Linoleum on floor	9.00

Record and blanks not estimated.

ANNUAL REPORT OF LICENSE COLLECTOR.

Portland, Oregon, January 1, 1900.

To the Chief of Police, Portland, Oregon:

Sir:—I submit herewith my report as License Collector of the City of Portland, Oregon, for the year ending December 31, 1899.

Yours Respectfully,

SENECA C. BEACH, License Collector.

Occupations	First Quarter		Second Quarter		Third Quarter		Fourth Quarter		Totals	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Auctioneers	5	\$ 200.00	6	240.00	5	200.00	8	320.00	24	\$ 960.00
Bill Posters	2	50.00	2	50.00	2	50.00	3	66.65	9	216.65
Bowling Alleys	6	55.00	5	40.00	1	10.00	3	23.35	15	128.35
Billiards	5	26.65	3	15.00	4	21.65	5	39.90	17	108.20
Coal Oil Dealers	6	35.00	6	35.00	6	35.00	6	35.00	24	140.00
Chiropodists	—	—	—	—	—	—	5	15.05	5	15.05
Drays	—	—	27	80.00	27	81.00	30	89.00	112	334.00

Annual Report of License Collector.—Continued.

Occupations	First Quarter		Second Quarter		Third Quarter		Fourth Quarter		Totals	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
	Express Wagons, single	148	445.00	156	440.00	161	454.00	159	406.65	624	1,805.65
“ double	91	399.95	90	436.10	84	416.65	97	471.40	362	1,724.10
Express Companies	4	100.00	4	100.00	4	100.00	4	100.00	16	400.00
Employment Agents	4	60.00	4	60.00	4	60.00	6	75.00	18	255.00
Grading Teams	10	16.50	4	15.65	3	15.00	10	43.40	27	90.55
Hacks	35	162.00	31	153.00	32	148.70	38	179.25	136	642.95
Hack Drivers	31	31.00	4	4.00	1	1.00	3	3.00	39	39.00
House Movers	2	26.70	4	146.35	1	26.95	2	26.70	9	226.40
Hawkers, first class	51	695.00	59	850.00	67	965.00	71	1,047.25	248	3,557.25
“ second class	16	136.60	15	136.70	12	120.00	12	114.50	55	507.80
“ general	1	10.00							1	10.00
Insurance Agents	82	813.35	84	826.65	88	873.35	91	932.50	345	3,445.85
Laundries, hand	46	345.00	46	345.00	44	330.00	44	342.65	180	1,362.65
“ steam	7	105.00	7	105.00	7	105.00	7	105.00	28	420.00
Miscellaneous	14	233.35	20	479.45	33	389.50	31	187.15	98	1,289.45
Massage									10	43.25
Oil Wagons	8	73.35	7	70.00	7	70.00	8	81.50	30	294.85
Omnibuses	2	10.00	2	10.00	2	10.00	13	31.00	19	61.00
Peddlers, third class	1	6.00								6.00
“ fourth class	24	90.00	23	107.50	12	43.00	16	65.00	75	307.50
Powder Dealers	10	50.00	10	50.00	10	50.00	13	60.80	43	210.80
Pawn Brokers	8	600.00	1	75.00	8	600.00	1	75.00	18	1,350.00
Plumbers	38	456.00	2	24.00	1	12.00			41	492.00

Annual Report of License Collector.—Continued.

Occupations.	First Quarter		Second Quarter		Third Quarter		Fourth Quarter		Totals	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Runners	15	143.35	16	156.05	15	143.35	17	154.85	63	598.20
Scavengers	49	145.00	49	145.00	50	142.00	46	136.45	194	568.45
Second-hand Dealers	47	230.00	45	223.35	44	215.00	47	227.45	183	895.80
Junk Dealers	21	98.35	22	101.70	22	93.35	28	136.30	93	429.70
Street Car Lines	4	562.50	4	562.50	4	562.50	4	577.50	16	2,265.00
Shooting Galleries	2	50.00	1	25.00	1	25.00	1	25.00	5	125.00
Trucks	52	258.35	59	295.00	61	305.00	67	339.20	239	1,197.55
Theatres	3	112.50	2	75.00	1	12.50	4	125.00	10	325.00
Wharfingers	14	380.00	15	410.00	15	410.00	13	426.00	57	1,626.00
Wood Saws	22	220.00	13	130.00	20	200.00	23	237.50	78	787.50
Saloons	233	22,999.95	235	23,266.55	238	23,366.75	241	23,963.35	947	98,596.60
Chinese Saloons	3	300.00	3	300.00	3	300.00	3	300.00	12	1,200.00
Wholesale Liquor Dealers	10	500.00	10	500.00	10	500.00	10	500.00	40	2,000.00
Liquor in Restaurants	12	300.00	13	316.65	12	333.35	14	341.65	51	1,291.65
Liquor in Grocery Stores	13	325.00	13	325.00	13	325.00	14	333.35	53	1,308.35
Malt Dealers	1	50.00	1	50.00	1	50.00			3	150.00
Totals	1186	\$ 31,990.45	1223	\$ 31,776.80	1136	\$ 32,173.30	1227	\$ 32,863.05	4672	\$ 128,803.60

REPORT OF MUNICIPAL JUDGE.

Office of the Municipal Judge of the City of Portland, Oregon.

January 1, 1900.

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 1899, from the City and State Cases tried in the Municipal Court. The following is a summary given by months:

January, 1899.

State Cases, \$90.00 City Cases, \$491.50 Total, \$ 581.50

February.

State Cases, \$20.00 City Cases, \$162.00 Total, \$ 182.00

March.

State Cases, \$ 7.00 City Cases, \$ 34.00 Total, \$ 41.00

April.

State Cases, \$ City Cases, \$105.00 Total, \$ 105.00

May.

State Cases, \$18.50 City Cases, \$ 43.50 Total, \$ 62.00

June.

State Cases, \$22.50 City Cases, \$ 55.00 Total, \$ 77.50

July.

State Cases, \$38.00 City Cases, \$ 66.00 Total, \$ 103.00

August.

State Cases, \$27.50 City Cases, \$ 48.00 Total, \$ 75.50

September.

State Cases, \$17.00-----City Cases, \$364.50-----Total, \$ 379.50

October.

State Cases, \$97.50-----City Cases, \$ 66.00-----Total, \$ 163.50

November.

State Cases, \$89.50-----City Cases, \$ 59.00-----Total, \$ 148.50

December.

State Cases, \$ 5.00-----City Cases, \$104.00-----Total, \$ 109.00

Total for year 1899 ----- \$209.00

Respectfully,

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

BOARD OF FIRE COMMISSIONERS' REPORT

Office Board of Fire Commissioners,

Portland, Oregon, January 1, 1900.

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

Gentlemen—In compliance with Section 94, Chapter 10, of "An Act to incorporate the City of Portland," the Board of Fire Commissioners have the honor to submit to your honorable body a report in detail of the revenues and expenditures of the Fire Department for the year 1899, and also an estimate of the amount necessary for the expenses of the Department for the ensuing year, together with such information and recommendations necessary for its efficiency.

ESTIMATE OF EXPENSES FOR THE YEAR 1899.

Salaries	\$65,000.00
Rent of houses	360.00
Repairs to house	1,500.00
Repairs to apparatus	1,000.00
Horses	1,000.00
Horseshoeing	1,625.00
Veterinary surgeon	276.00
Feed	5,800.00
Harness and repairs	280.00
Fuel	1,600.00
Lighting	1,400.00
Stores	1,200.00
Telephone service	800.00
Incidentals	1,000.00
Hose	4,000.00
Water	2,000.00
Hydrants and repairs	250.00
Cisterns and repairs	250.00
Office expenses and printing	350.00
Fire alarm telegraph expenses and switch board..	6,000.00
Total estimates for 1899	\$95,691.04

REVENUES FOR 1899.

From taxes	\$93,091.26
From old horse sale, condemned apparatus, etc....	766.69
Credited on account of warrants charged to General fund redemption account, as per resolution August 2, 1899	247.11
Total	\$94,105.06

EXPENDITURES FOR 1899.

Salaries	\$63,573.35
Cost and rent of engine houses	459.19
Repairs to engine houses	565.27
Apparatus and repairs	1,239.75
Cost of horses	841.50
Horseshoeing	1,338.00
Veterinary surgeon	276.00
Feed	4,064.11
Harness and repairs	128.47
Fuel	1,828.33
Lighting	881.70
Stores	642.31
Telephones	686.65
Incidentals	916.46
Hose	1,360.00
Water	1,912.25
Hydrants	447.79
Cisterns	110.23
Office expenses and printing	180.55
Fire alarm telegraph, material and repairs	3,082.12
Total expenditures for 1899	\$84,534.03
Revenues	\$94,105.06
Expenditures	84,534.03
Balance on hand	\$ 9,571.03

ESTIMATE OF EXPENSES FOR THE YEAR 1900.

Salaries	\$65,000.00
Rent of houses	480.00
Repairs to houses	1,500.00
Apparatus and repairs to apparatus	5,000.00

Horses	2,500.00	
Horseshoeing	1,625.00	
Veterinary surgeon	276.00	
Feed	4,800.00	
Harness and repairs	280.00	
Fuel	1,600.00	
Lighting	1,000.00	
Stores	1,200.00	
Telephone service	800.00	
Incidentals	1,000.00	
Hose	4,000.00	
Hydrants and repairs	750.00	
Cisterns and repairs	250.00	
Office expenses and printing	350.00	
Fire alarm telegraph expenses	2,000.00	
Total estimate for 1899		\$94,411 00

SUMMARY FOR THE YEAR 1899.

In submitting our report of the operations of the Fire Department for the year ending December 31, 1899, we find that the estimate for expenditures for 1900, viz., \$94,411.00, to be about the same amount as asked for for 1899, but by the strictest economy in all branches of the department, and by a reduction in the force of extramens, we have reduced our expenditures for the year to \$84,534.03, and this in the face of paying \$2,450.00 for a switch board contracted for before our induction into office. It will thus be seen that, as compared with the year 1898, we have made a saving of about \$20,000.00; and whilst at times laboring under adverse conditions, the standard of efficiency of the service has not been lowered, as has been evidenced by the record of the year. In asking for the amount named above, we are reminded that some new apparatus must in the near future be obtained, a number of horses must take the places of old and worn-out animals, and that certain necessary repairs to houses cannot longer be delayed.

Improvements in our Fire Alarm Telegraph System are badly needed in the way of keyless fire alarm boxes, as this device does away with the necessity of finding keys to open the boxes, thus saving valuable time in turning in alarms.

We are confronted at this time with the fact that a great reduction in the valuation of city property has been made, and that the appropriation or amount allowed for fire purposes will not exceed \$57,000.00, to which will be added a balance of about \$10,000.00 remaining in the Fire Department fund at the end of the year 1899. Anticipat-

ing a shortage of funds for the maintenance of the Fire Department for the year 1900, your honorable body wisely passed an ordinance appropriating out of certain delinquent taxes the sum of \$26,000.00, to be added to the revenues already mentioned, which will make available about the sum asked for in our estimate, thus meeting our expectations and insuring proper and efficient service. With the amount asked for in this estimate, we feel that the improvements noted, as well as others contemplated, can be carried out to the satisfaction and benefit of the entire community.

We wish to again record our appreciation of the faithful and intelligent services of Chief Engineer Campbell, his able Assistants, and the entire force under his command, who by strict attention to duty have earned an enviable record.

We are under obligations to his honor, the Mayor, and the members of the Common Council, and other city officials, for their support and aid in the administration of the affairs of the Department, not forgetting the valuable assistance rendered by the Chief of Police and his efficient Department.

Respectfully submitted,

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

MILTON WEIDLER,
Secretary.

Expenditures on Account of all Companies for Year Ending Dec. 31, 1899.

COMPANIES	Salaries	House and Lot		Apparatus	
		Costs and Rents	Repairs, Furniture, Fixtures,	Cost	Repairs
Engine Company No. 1	\$ 3,780.00	\$	\$ 32.83	\$	\$ 172.54
" " 3	3,780.00		41.94		33.60
" " 4	3,780.00		25.95		15.05
" " 5	3,780.00	49.19	72.54		49.63
" " 7	3,780.00		26.71	14.00	66.82
" " 8	3,780.00	170.00	22.45		27.13
Hook and Ladder Co. No. 1	3,469.30		19.96		198.42
" " 2	3,000.00		4.88		17.50
" " 3	3,000.00		25.44		23.31
" " 4	3,000.00	120.00	19.40		39.45
Hose Company No. 1	2,520.00		39.62		6.00
" " 2	2,520.00		88.42		41.81
" " 3	2,520.00		33.99		4.00
" " 5	1,080.00	120.00	9.74		
" " 6	2,520.00		16.61		12.95
Chemical Engine Co. No. 1	2,280.00		5.00		8.50
" " 2	2,280.00		74.30		51.35
" " 3	2,280.00		5.85		13.19
" " 4	8.80			2.00	5.43
Office, Teams and Supply Department	8.20			11.75	425.32
Totals	\$ 54,849.30	\$ 454.19	\$ 565.27	\$ 27.75	\$ 1,212.00

Expenditures on Account of all Companies for Year Ending Dec. 31, 1899.—Con'd.

COMPANIES	Horses				Harness and Repairs
	Cost, Hire, Etc.	Shoeing	Veterinary Surgeon	Feed	
Engine Company No. 1	\$ 15.60	96.00	13.86	278.50	5.15
" " 3		72.00	13.86	222.47	5.67
" " 4	15.60	72.00	13.86	183.58	9.50
" " 5	25.60	98.50	13.86	195.92	7.30
" " 7		96.00	13.86	259.08	5.35
" " 8	15.60	96.00	13.86	285.13	13.60
Hook and Ladder Co. No. 1	15.60	68.00	13.86	264.50	4.30
" " 2	15.60	72.00	13.86	199.35	5.95
" " 3	15.60	48.00	13.86	226.62	.85
" " 4	15.60	72.00	13.86	258.53	5.15
Hose Company No. 1	15.60	47.00	13.86	154.74	3.85
" " 2	15.60	43.25	13.86	223.93	3.20
" " 3		48.00	13.86	118.65	2.70
" " 5		43.00	13.86	139.45	3.95
" " 6		37.00	13.86	163.97	1.05
Chemical Engine Co. No. 1	15.60	43.00	13.86	177.70	
" " 2	15.60	48.00	13.86	170.19	4.05
" " 3	36.20	44.00	13.86	238.63	1.50
" " 4	33.00	47.00	12.65	150.02	3.95
Office, Teams and Supply Department	559.50	147.22	13.87	151.15	41.40
Totals	\$ 841.50	\$ 1,338.00	\$ 276.00	\$ 4,064.11	\$ 128.47

Expenditures on Account of all Companies for Year Ending Dec. 31, 1899.—Con'd.

COMPANIES	Fuel	Lighting	Stores	Telephone	Incidentals	Totals
Engine Company No. 1	\$ 282.33	\$ 58.35	\$ 15.15	\$ 61.67	\$	4,811.98
" " 3	211.46	50.85	11.52	33.82	---	4,477.19
" " 4	233.96	50.85	6.89	24.42	---	4,431.66
" " 5	244.21	77.15	24.93	33.82	---	4,672.65
" " 7	249.96	52.40	19.50	33.82	---	4,617.50
" " 8	243.96	53.10	14.93	33.82	---	4,769.58
Hook and Ladder Company No. 1	82.70	61.45	17.66	61.82	---	4,277.57
" " 2	9.75	79.65	11.89	24.42	---	3,454.85
" " 3	28.50	71.60	13.12	33.82	---	3,500.72
" " 4	11.50	36.70	9.31	33.82	---	3,635.32
Hose Company No. 1	35.15	38.95	8.31	25.07	---	2,907.79
" " 2	27.95	25.90	7.70	24.42	---	3,038.04
" " 3	28.75	39.85	10.90	33.82	---	2,854.52
" " 5	25.25	28.80	5.56	33.82	---	1,503.43
" " 6	13.00	32.90	9.32	33.82	---	2,870.08
Chemical Engine Co. No. 1	---	50.80	69.30	25.07	---	2,688.83
" " 2	27.95	25.10	60.71	24.42	---	2,795.53
" " 3	36.45	32.90	15.20	33.82	---	2,751.60
" " 4	33.75	14.40	22.66	26.32	---	1,231.13
Office, Teams and Supply Department	1.75	---	287.75	35.77	31.50	2,527.01
Totals	\$ 1,828.33	\$ 881.70	\$ 642.31	\$ 671.60	\$ 31.50	\$ 67,817.03

GENERAL EXPENDITURES, 1899.

Officers' salaries	\$ 6,600.00	
Hose	1,360.00	
Water	1,912.25	
Hydrants	447.79	
Cisterns	110.23	
Incidentals	884.96	
Telephones	15.05	
Office expenses and printing	180.55	\$11,510.83
Fire Alarm Telegraph—		
Salaries	2,124.05	
Material and repairs	3,082.12	5,206.17
Total general expenditures		\$16,717.00

SUMMARY OF EXPENDITURES.

Company expenditures	\$67,817.03	
General expenditures	16,717.00	
Total expenditures for 1899		\$84,534.03

LIST OF PROPERTY IN TRUST.

HOUSES AND LOTS—VALUES ESTIMATED.

Engine Co. No. 1 and Hook and Ladder Co. No. 1, lot and house and bell tower	\$50,000.00
Engine Co. 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. 7, house and lot	20,700.00
Engine Co. No. 8, house	2,000.00
Hook and Ladder Co. No. 3, house and lot	10,000.00
Hook and Ladder Co. No. 4, house	1,000.00
Hose Co. No. 2 and Chemical Engine Co. No. 2, house and lot	30,000.00
Hose Co. No. 3, house and lot	3,500.00
Hose Co. No. 6, house and lot and corporation shed	8,000.00
Chemical Engine Co. No. 1, house and lot	25,000.00
Chemical Engine Co. No. 3, house and lot	3,000.00
House and lot, Mississippi avenue	1,800.00

Lot, Borthwick street	4,000.00	
House and lot, Vancouver avenue	2,750.00	
House and lot, Highland	1,500.00	
		—————\$205,750.00

APPARATUS.

Ten engines, seven hose wagons, three hose carriages (4 wheels), one hose carriage (4 wheels, hand), three hose carts (2 wheels), seven hose reels (2 wheels), one first-class hook and ladder, one second-class hook and ladder truck, three third-class hook and ladder trucks, four chemical engines, one village truck (hand) ...	\$76,519.00	
Harness, etc.	4,602.50	
Property in corporation shed	500.00	
Property in Commissioners' office	300.00	
Property in engine houses, stores, tools, etc.	5,000.00	
Fifty-eight horses	7,950.00	
Fire alarm apparatus	33,957.01	
		—————\$132,478.51
Total value of property in trust		\$336,728.51

LOCATION OF HOUSES.

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

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

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

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

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

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

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

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

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

Chemical Engine No. 4, 1027 Union avenue, North.

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

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

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

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

Hose Company No. 1, west side of Second, between Oak and Pine streets.

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

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

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

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

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

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

SALARIES OF OFFICERS AND MEN.

One chief engineer	\$ 1,800.00
One assistant chief engineer	1,200.00
Two district engineers	2,400.00
One secretary	1,200.00
One superintendent fire alarm telegraph	1,200.00
One lineman	780.00
One supply driver	840.00
Six engineers of steamers.....	6,120.00
Six drivers of steamers	4,680.00
Six drivers of hose tenders to steamers	4,320.00
Four foremen hook and ladder companies	3,120.00
Four drivers hook and ladder companies	3,120.00
Four foremen chemical engine companies	3,120.00
Three drivers chemical engine companies	2,340.00
One driver chemical engine company	180.00
Three pipemen chemical engine companies	2,160.00
Four foremen hose companies	3,120.00
One call foreman hose company	300.00
Five drivers hose companies	3,900.00
Six call foremen engine companies	1,800.00
Sixty-six extramen	15,840.00
One hundred and twenty-seven members	\$63,540.00

Exhibit of Losses by Fire During the Year 1899.

Insurance Involved and Insurance Paid.

Months	Loss		Insured For		Insurance Paid	
	Buildings	Contents	Buildings	Contents	Buildings	Contents
	\$	\$	\$	\$	\$	\$
January	4,471.00	7,657.80	40,300.00	15,450.00	4,365.00	7,637.80
February	1,507.00	3,450.00	30,475.00	30,300.00	675.00	1,155.00
March	1,306.00	1,224.00	48,200.00	16,600.00	1,291.00	1,224.00
April	1,731.21	2,372.76	17,575.00	25,550.00	1,051.71	1,797.76
May	11,344.05	12,867.40	91,040.00	127,910.00	11,244.05	11,916.55
June	4,728.00	12,141.97	67,150.00	107,020.00	4,089.00	11,741.97
July	1,623.65	19,605.63	42,685.00	124,850.00	1,503.15	3,355.63
August	2,088.50	943.00	191,750.00	7,200.00	2,028.50	808.00
September	4,924.00	2,464.72	45,450.00	22,300.00	4,199.00	2,322.22
October	916.55	1,721.00	110,100.00	10,200.00	904.55	1,307.00
November	2,096.25	8,616.50	315,900.00	207,150.00	2,096.25	8,616.50
December	5,105.20	56,778.67	44,700.00	147,300.00	3,274.20	53,614.37
Totals	\$ 41,841.41	\$ 129,843.45	\$ 1,045,325.00	\$ 841,830.00	\$ 36,721.41	\$ 105,496.80

Total Loss.....\$ 171,684.86

Insurance.....1,887,155.00

Insurance Paid.....142,218.21

Loss Over Insurance Paid.....29,466.65

Table of Fires and Alarms

For Year Ending Dec. 31, 1898.

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

Table of Fires and Alarms

For Year Ending Dec. 31, 1899.

Months	From all Sources	Boxes	Stills	Telephones	Actual Fires	False Alarms
January -----	25	14	8	3	-----	2
February -----	29	16	6	7	-----	1
March -----	31	17	3	11	-----	5
April -----	19	8	2	9	-----	1
May -----	17	9	-----	8	-----	-----
June -----	22	12	2	8	-----	2
July -----	49	23	10	16	-----	5
August -----	18	13	2	3	-----	2
September -----	18	9	5	4	-----	-----
October -----	22	11	3	8	-----	-----
November -----	16	9	4	3	-----	4
December -----	20	12	3	5	-----	2
Totals -----	286	153	48	85	-----	24

CAUSES OF FIRES AND ALARMS.

Ash barrel	4
Burning flues	85
Burning candy pot	1
Burning asphaltum	1
Burning matches carelessly	7
Burning smokestack	1
Burning grease	1
Chemicals	1
Carelessness with lamp	1
Defective flues	43
Defective hearth	1
Defective stovepipe	2
Defective oven foundation	1
Defective roasting furnace	1
Defective furnace foundation	1
Electric wires	8
Fire crackers	9
Gas explosion	1
Gasoline stove explosion	3
Incendiary	6
Lace curtains	2
Lamp exploded	13
Lamp upset	1
Oil stove	5
Overheated stovepipe	3
Overheated furnace	1
Sparks from chimney	34
Sparks from dryer	1
Sparks from stove	1
Sparks from smokestack	3
Sparks from smokehouse	1
Sparks from firebox	1
Spontaneous combustion	4
Unknown	37
Waste paper box	1
Total	286

FIRE RECORD 1883 TO 1899, INCLUSIVE.

In 1883 total losses amounted to.....	\$319,092.20
In 1884 total losses amounted to.....	403,851.90
In 1885 total losses amounted to.....	59,329.73
In 1886 total losses amounted to.....	98,146.16
In 1887 total losses amounted to.....	84,173.72
In 1888 total losses amounted to.....	54,347.70
In 1889 total losses amounted to.....	37,730.23
In 1890 total losses amounted to.....	70,997.61
In 1891 total losses amounted to.....	251,759.86
In 1892 total losses amounted to.....	573,885.50
In 1893 total losses amounted to.....	155,459.39
In 1894 total losses amounted to.....	889,528.94
In 1895 total losses amounted to.....	139,611.20
In 1896 total losses amounted to.....	309,481.61
In 1897 total losses amounted to.....	70,722.51
In 1898 total losses amounted to.....	74,076.81
In 1899 total losses amounted to.....	171,684.86

CHIEF ENGINEER'S REPORT.

Portland, Oregon, December 31, 1899.

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

Gentlemen—I have the honor of submitting herewith my annual report of the Fire Department for the year ending December 31, 1899, being the seventeenth year of the Paid Fire Department of the City of Portland.

ORGANIZATION AND EQUIPMENT.

The Fire Department, as now constituted, under control of your honorable body, consists of:

- One chief engineer.
- One assistant chief engineer.
- Two district engineers.
- One secretary.
- One superintendent of fire alarm telegraph.
- One fire alarm repair man.
- One supply driver.
- Six steam fire engine companies, manned by forty-eight men.
- Four chemical engine companies, manned by eleven men.
- Four hook and ladder truck companies, manned by thirty-four men.
- Five hose companies, manned by twenty-six men.
- Fifty-six horses.
- Four reserve steam fire engines.
- One reserve hook and ladder truck, Hayes fourth-class.
- Two two-wheel hose carts.
- One reserve hose wagon.
- All being in fair condition.

AUXILIARY VOLUNTEER FIRE COMPANIES.

Our Paid Fire Department is supplemented by the following Volunteer Fire Companies, in suburban districts, to which we have furnished, respectively, hose reels and the village truck, and the following amounts of hose:

Portland Heights—One hose reel and 600 feet of hose.

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

Fulton Park—One hose reel and 600 feet of hose.

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

Multnomah Hose Company—One hose reel and 600 feet of hose.

FIRE HOSE IN SERVICE.

In the Paid Fire Department, there is in service the following hose: Rubber, 2,050 feet; cotton, 15,100 feet.

In the Volunteer Companies, as above, a total of 3,300 feet of rubber hose; making a grand total of 20,450 feet of hose in actual service.

FIRE ALARMS.

The total number of alarms responded to during the year was 286, being 69 alarms less than last year. The alarms during 1899 are divided as follows: Boxes, 153; stills, 48; telephone calls, 85. Of the above, 24 were false alarms.

FIRE HYDRANTS.

New hydrants have been placed at the following locations:

One at East First and Belmont streets.

One at East First and Yamhill streets.

One at East First and Taylor streets.

One at East First street and Hawthorne avenue.

One at the end of Virginia street.

One at Fourth and Mill streets.

One at Third and Harrison streets.

One at Twenty-fifth and Kearney streets.

Three at North Front street.

RECOMMENDATIONS.

Under this head, I desire to offer for your consideration the following recommendations, trusting they may meet with your approval: That the Department be provided with two first-class steam fire engines, one Seagrave trussed ladder, one water tower, and a fire boat. The force should be increased by restoring to each company the two men discharged last year, bringing these companies to their normal condition.

The late fire at the plant of the Standard Oil Company very forcibly demonstrated the need of the water main on East First street recommended in one of my recent reports, action upon this recommendation

having been very promptly taken by your honorable Board, and the Water Commissioners. Without this water main it would have been absolutely impossible for our Department to have done efficient work in handling that fire.

For the proper protection of the large industries located on East Water street and contiguous territory, it is necessary that a water main should be laid on East Water street, between East Stark street and Hawthorne avenue. This main should be at least ten-inch diameter. I desire especially to urge upon you the importance of this being done.

In closing this report, I desire to tender my thanks to his honor, Mayor Storey, the Council, and the honorable the Board of Fire Commissioners, for the active interest they have manifested in all matters pertaining to the success of the Department.

I desire also to thank the Secretary of the Fire Department, the Superintendent of Fire Alarm, and the other officers and members of the Fire Department, for faithful performance of duty and hearty co-operation in improving the discipline and work of the Department. I also desire to express my thanks to the Chief of Police and the members of his force for the manner in which they have assisted this Department in the discharge of its duties on all occasions.

Respectfully submitted,

DAVID CAMPBELL,
Chief Engineer, Portland Fire Department.

Fires and Alarms

FROM

January 1, to December 31, 1899.

January 1—11:20 A. M. Still.

No. 1065 Belmont street. 1½-story frame; owned and occupied by Mary Branda as a dwelling; cause of fire, burning flue. No work.

January 2—12:30 A. M. Box 74.

No. 178 Chester street. 1-story frame; owned by J. M. Breck; occupied by Mrs. Rockaway as a dwelling; cause of fire, lamp exploded. Loss on building, \$200; on contents, 250; building insured for \$200; contents, for \$250; insurance paid on building, \$200; on contents, \$250. Water.

January 2—7:40 A. M. Still.

No. 371 Nineteenth street. 2-story frame; owned by G. N. Versteeg; occupied by Mrs. M. J. Baldwin as a dwelling; cause of fire, burning flue. Building insured for \$1,000; contents, \$1,000. No loss. No work.

January 3—6:10 P. M. Box 213.

No. 309 East Morrison street. 1-story frame; owned and occupied by Southern Pacific Railroad Company as harness shop; cause of fire, unknown. No loss. Water and chemical.

January 5—7 P. M. Still.

No. 70 Fourteenth street N. False alarm.

January 6—6:05 A. M. Box 64.

No. 611 Northrup street. Greenhouse; owned and occupied by Martin & Forbes as greenhouse; cause of fire, overheated flue. Loss on building, \$3; on contents, \$10. No work.

January 8—5:55 P. M. Telephone.

No. 1069 Belmont street. 1-story frame; owned and occupied by J. Heitinger as dwelling; cause of fire, burning flue. Contents insured for \$700. No work.

January 8—Box 73.

False alarm.

January 10—1:55 A. M. Box 12.

No. 212 First street. 3-story brick; owned by J. A. Devlin, and occupied by F. R. Chown as hardware store; cause of fire, unknown. Loss on building, \$3,940; on contents, \$3,812.80; building insured for \$15,000; contents, 6,250; insurance paid on building, \$3,940; on contents, \$3,812.80. Water.

January 10—1:55 A. M. Box 12.

No. 214 First street. 3-story brick; owned by J. A. Devlin; occupied by M. Barel as clothing store; cause of fire, unknown. Loss on contents, \$675; contents insured for \$2,000; insurance paid on contents, \$675. Water.

January 10—1:55 A. M. Box 12.

Nos. 212 and 214 First street. 3-story brick; owned by J. A. Devlin; occupied by J. Harper as dancing hall; cause of fire, unknown. Loss on contents, \$10. Water.

January 10—7:10 A. M. Still.

Nos. 212 and 214 First street; 3-story brick; owned by J. A. Devlin; occupied by J. Harper as a dancing hall; cause of fire unknown. Water.

January 11—1.30 A. M. Box 31.

No. 688 Third street; 2-story frame; owned and occupied by M. Epstein as dwelling; cause of fire unknown. Loss on building, \$200; on contents, \$300; building insured for \$500; contents, \$300; insurance paid on building, \$200; on contents, \$300. Water.

January 14—3:00 P. M. Still.

No. 235 East Sixth street; 1½-story frame; owned by Mrs. Rowlands; occupied by F. B. Thorn as dwelling; cause of fire, chemicals. Building insured for \$500. No work.

January 15—5:35 P. M. Box 217.

No. 112 East Twelfth street; 2-story frame; owned and occupied by J. Paquet as dwelling; cause of fire, burning flue. Building insured for \$1,000; contents, \$200. No work.

January 15—6:00 P. M. Box 218.

No. 47 East Fifteenth street; 2-story frame; owned and occupied by G. E. Good as dwelling; cause of fire, burning flue. Contents insured for \$500. No work.

January 16—7:46 A. M. Still.

No. 173 Third street; 1-story brick; owned by J. Kamm; occupied by L. Lesser as shoe store; cause of fire, oil stove. Loss on building, \$25; on contents, \$1,100; building insured for \$1,500; contents, \$2,000; insurance paid on building, \$25; on contents, \$1,100. Chemical. (

January 17—10:30 P. M. Telephone.

No. 426 Washington street; 1-story frame; owned by P. G. Baker; occupied by Ray & Kienow as grocery store; cause of fire, unknown. Loss on building, \$100; on contents, \$1,500; contents insured for \$1,500; insurance paid on contents, \$1,500. Water.

January 17—10:25 P. M. Box 63.

No. 426 Washington street; 1-story frame; owned by P. G. Baker; occupied by Rae & Kienow as grocery store; cause of fire unknown. Water.

January 21—10:00 P. M. Box 234.

No. 124 Union avenue; 3-story brick; owned by Brainard & Lambert; occupied by Jerry Havish as restaurant; cause of fire, incendiary. Building insured for \$5,000. No work.

January 23—8:00 P. M. Telephone.

Woodlawn; 1-story frame; owned by E. Graham; vacant; cause of fire unknown. No work.

January 22—10:30. Still.

No. 625 Overton street; 2-story frame; owned by M. Louise Flan-

ders; occupied by E. Anderson as dwelling; cause of fire, burning flue. Building insured for \$500. No work.

January 22—3:00 P. M. Still.

No. 124 Nineteenth street North; 1-story frame; owned by H. McGinn; occupied by L. Leuderberger as dwelling; cause of fire, defective flue. Loss on building, \$3. No work.

January 29—9:10 P. M. Box 259.

Corner Powell and Milwaukie streets; 2-story frame; owned by H. Bomheur; occupied by M. W. Madison as dwelling; cause of fire, burning flue. Building insured for \$1,200; contents, \$750. No work.

January 31—10:30 A. M. Box 345.

No. 430 Kirby street; 1-story frame; owned and occupied by P. A. Nordstrom as dwelling; cause of fire, burning flue. Building insured for \$400. No work.

February 1—11:20 A. M. Still.

No. 462 Glisan street; 2-story frame; owned by Theo. Nicolai; occupied by F. Trapp as barber shop; cause of fire, stovepipe. Building insured for \$2,000; contents, \$200. No work.

February 1—11:30 A. M. Still.

No. 291 Taylor street; 2-story frame; owned by H. W. Corbett; occupied by Mrs. E. Harris as dwelling; cause of fire, burning flue. No work.

February 1—12:10 P. M. Box 21.

No. 291 Taylor street; 2-story frame; owned by H. W. Corbett; occupied by Mrs. E. Harris as dwelling; cause of fire, burning flue. No work.

February 1—7:30 P. M. Still.

No. 474 Front street; 1½-story frame; owned and occupied by J. Courtney as dwelling; cause of fire, burning flue. No work.

February 1—1:05 P. M. Box 315.

No. 620 Cottage Place; 1-story frame; owned by M. Stoldt; occu-

pled by R. Hulman as dwelling; cause of fire, defective flue. Building insured for \$100; contents, \$300. Water.

February 2—10:36 A. M. Telephone.

No. 490 Morrison street; 2-story frame; owned by Mrs. E. C. Bronaugh; occupied by Mrs. D. M. Smith as dwelling; cause of fire, burning flue. Building insured for \$3,000. No work.

February 3—1:05 P. M. Box 213.

East Water street; 2-story frame; owned and occupied by Gratton & Woodcock as box factory; cause of fire, sparks from dryer. Building insured for \$9,000. No work.

February 3—7:45 P. M. Box 315.

No. 588 Delay street; 2-story frame; owned and occupied by G. Schmid as saloon and lodging-house; cause of fire, burning flue. Building insured for \$2,000. No work.

February 4—2:00 P. M. Telephone.

No. 325 East Third street; 2-story frame; owned and occupied by W. C. Noon, jr., as dwelling; cause of fire, defective flue. No work.

February 4—4:46 A. M. Box 81.

No. 471 Front street; 1-story frame; owned and occupied by H. Lewitz as greenhouse; cause of fire, defective flue. Loss on building, \$500; on contents, \$1,500. Water.

February 5—7:00 P. M. Box 38.

No. 346 Front street; 2-story frame; owned by R. Stocker; occupied by G. Driver as dwelling; cause of fire, burning flue. No work.

February 7—11:00 A. M. Telephone.

No. 51 East Eleventh street; 1½-story frame; owned by Atkinson & Wakefield; occupied by W. H. Phelan as dwelling; cause of fire, defective flue. No work.

February 7—5:55 P. M. Box 219.

No. 532 East Oak street; 1½-story frame; owned by C. F. Beebe; occupied by P. Linder as dwelling; cause of fire, defective flue. Water.

February 8—9:00 P. M. Box 231.

Union avenue and East Oak street; 3-story brick; owned by Kaderly & Cully; occupied by J. W. Lindsay as hardware and lodging; cause of fire, burning flue. Building insured for \$4,000; contents, \$8,000. No work.

February 9—11:15 A. M. Still.

No. 360 Thirteenth street; 2-story frame; owned and occupied by Mrs. M. Brown as dwelling; cause of fire, burning flue. No work.

February 11—8:47 P. M. Box 324.

No. 882 Mississippi avenue; 1-story frame; owned and occupied by M. J. Muiram as dwelling; cause of fire, burning flue. Building insured for \$300. No work.

February 11—11:55 P. M. Telephone.

No. 613 Washington street; greenhouse; owned and occupied by Geo. Otten as greenhouse; cause of fire, overheated flue. Loss on building, \$75; on contents, \$250. Water.

February 15—8:30 P. M. Box 52.

No. 265 Third street; 1½-story frame; owned by Dr. R. Patton; unoccupied; cause of fire, gas explosion. Loss on building, \$25. Water.

February 15—8:30 P. M. Box 52.

No. 265 Third street; 1-story frame; owned by Dr. R. Patton; occupied by S. R. Rogers as fruit stand; cause of fire, gas explosion. Water.

February 15—8:30 P. M. Box 52.

No. 265 Third street; 1½-story frame; owned by Dr. R. Patton; occupied by A. Gunther as tailor shop; cause of fire, gas explosion. Loss on building, \$300; on contents, \$700; building insured for \$100; contents, \$700; insurance paid on building, \$100; on contents, \$700. Water.

February 15—8:30 P. M. Box 52.

No. 265 Third street; 1½-story frame; owned by Dr. R. Patton; occupied by A. Gunther as dwelling; cause of fire, gas explosion. Loss on contents, \$300. Water.

February 15—8:35 P. M. Box 74.

False alarm.

February 17—12:35 P. M. Telephone.

No. 698 Lovejoy street; 1-story frame; owned by J. Brugger; occupied by H. Levi as dwelling; cause of fire, defective flue. Building insured for \$400. No work.

February 21—6:30 A. M. Box 43.

Seventeenth and Front streets; 2-story frame; owned and occupied by Western Lumber Co. as saw mill; cause of fire, matches. Building insured for \$5,000; contents, \$2,000. No work.

February 23—3:00 P. M. Box 312.

No. 517 Goldsmith street; 1-story frame; owned by S. Kelmartin; unoccupied; cause of fire, incendiary. Loss on building, \$5. Babcock.

February 23—9:00 P. M. Still.

No. 206 Gibbs street; 1-story frame; owned and occupied by T Harding as dwelling; cause of fire, burning flue. No work.

February 24—8:20 P. M. Box 137.

No. 734 Madison street; 1-story frame; owned by D. Macleay estate; occupied by J. M. O'Donnell as dwelling; cause of fire, lamp exploded. Loss on building, \$600; contents, \$700; building insured for \$575; contents for \$500; insurance paid on building, \$575; on contents, \$455. Water.

February 24—4:45 P. M. Box 35.

No. 552 Market street; 1-story frame; owned by C. O'Conner; occupied by M. W. Philpot as dwelling; cause of fire, burning flue. No work.

February 24—5:45 P. M. Still.

No. 268 Front street; 3-story frame; owned by J. L. Honeyman; occupied by M. C. Hoffman as lodging-house; cause of fire, burning flue. No work.

February 26—2:30 P. M. Telephone.

No. 254 East Thirty-fifth street; 1½-story frame; owned and occupied by H. Lucke as dwelling; cause of fire, burning flue. Building insured for \$1,000; contents, \$600. No work.

February 28—2:35 P. M. Box 48.

No. 134 Tenth street. 2-story frame; owned by Scottish Ins. Co., Ltd.; occupied by A. Allen as dwelling; cause of fire, defective flue. Loss on building, \$2; building insured for \$500. No work.

February 28—8:45 P. M. Telephone.

No. 181 Seventeenth street; 2-story frame; owned by E. C. Stewart; occupied by Mrs. V. D. Dunett as dwelling; cause of fire, burning flue. Building insured for \$2500. No work.

March 1—7:45 P. M. Telephone.

No. 247 Twelfth street North; 3½-story frame; owned and occupied by Sisters of Charity as hospital; cause of fire, burning flue. Building insured for \$23,000; contents, \$700. No work.

March 2—8:24 P. M. Box 13.

No. 128 Second street; 2-story brick; owned by Louis Woon; occupied by Log On as restaurant; cause of fire, burning flue. Building insured for \$4,000. No work.

March 4—9:15 P. M. Box 327.

No. 603 Union avenue North; 1-story frame; owned and occupied by M. Curtin as dwelling; cause of fire, lamp exploded. Loss on building, \$35; building insured for \$1,000; insurance paid on building, \$35. Babcock.

March 5—10:40 A. M. Box 217.

No. 135 East Tenth street; 2-story frame; owned by L. Gyorgyorewits; occupied by E. Turney as dwelling; cause of fire, defective flue. Loss on building, \$15; building insured for \$600; insurance paid on building, \$15. Buckets water.

March 5—1:35 P. M. Box 237.

No. 314 Larrabee street; 2-story frame; owned by Mrs. Johnston; occupied by H. Rosenstein as dwelling; cause of fire, burning flue. No work.

March 6—3:15 P. M. Box 317.

No. 374 Williams avenue; 2-story frame; owned and occupied by C. R. Miller as dwelling; cause of fire, burning flue. No work.

March 6—7:30 P. M. Still.

No. 721 Hoyt street; 2-story frame; owned and occupied by F. Gilliam as dwelling; cause of fire, burning flue. No work.

March 8—1:40 P. M. Telephone.

No. 355 Yamhill street; 3-story frame; owned by J. Beatty; occupied by H. Beckwith as grocery store; cause of fire, burning flue. No work.

March 10—1:30 P. M. Telephone.

No. 1008 Belmont street; 3-story frame; owned by A. P. Mead; occupied by Yates & Raymond as grocery store; cause of fire, burning flue. Loss on buildin, \$5; building insured for \$2,000; contents, \$1,900. Water.

March 11—6:55 P. M. Telephone.

No. 267 Salmon street; 1½-story frame; owned by J. Lyon; occupied by J. Freece as dwelling; cause of fire, burning flue. No work.

March 13—12:25 P. M. Telephone.

No. 83 Park street; 2-story frame; owned and occupied by A. Burckhardt as dwelling; cause of fire, burning flue. Loss on building, \$36; building insured for \$1,500; contents, \$1,500; insurance paid on building, \$36. Buckets water.

March 14—2 P. M. Still.

No. 134 East Thirty-fourth street; 2-story frame; owned by H. Staube; occupied by J. N. Fowler as grocery store; cause of fire, burning flue. Building insured for \$800. No work.

March 14—4:20 P. M. Telephone.

No. 215 Twelfth street; 2-story frame; owned and occupied by S. Wilson as dwelling; cause of fire, burning flue. No work.

March 15—9:00 P. M. Still.

No. 990 East Yamhill street; 2-story frame; owned by MacMaster & Birrell; occupied by E. Royal as dwelling; cause of fire, burning flue. Building insured for \$1,300. Buckets water.

March 16—8:35 A. M. Box 241.

No. 16 East Ninth street; 1½-story frame; owned by C. Strube; occupied by A. J. Dufur as dwelling; cause of fire, sparks from chimney. Loss on building, \$5; building insured for \$1,000; contents, \$1,000; insurance paid on building, \$5. Water.

March 16—11:10 A. M. Box 39.

No. 394 Water street; 1-story frame; owned by W. K. Smith; occupied by I. Ureth as dwelling; cause of fire, sparks from chimney. Loss on building, \$5. Water.

March 16—1:37 P. M. Box 54.

False alarm.

March 19—11:05 A. M. Box 135.

No. 88½ Sixth street. 2-story frame; owned by Russell & Blyth; occupied by Mrs. M. Owens as lodging-house; cause of fire, sparks from stove. Loss on building, \$75; on contents, \$194; building insured for \$3,500; contents, \$1,000; insurance paid on building, \$75; on contents, \$194. Chemical.

March 20—8:10 P. M. Box 53.

No. 170 East Park street. False alarm.

March 20—2:30 P. M. Box 234.

No. 441 East Salmon street. 1-story frame; owned and occupied by G. W. Smith as dwelling; cause of fire, burning flue. No work.

March 20—10:50 P. M. Box 49.

No. 670 Lovejoy street. 2-story frame; owned by H. J. Fisher; occupied by E. C. Comstock as dwelling; cause of fire, ash barrel. Loss on building, \$35; building insured for \$2,500; contents for \$600; insurance paid on building, \$35. No work.

March 22—2:50 A. M. Box 21.

No. 268 Alder street. 3-story frame; owned by Fav. Loan Soc., S. F.; occupied by P. L. Thompson as restaurant; cause of fire, defective flue. Loss on building, \$90; on contents, \$230; building insured for \$500; contents, \$900; insurance paid on building, \$90; on contents, \$230. Chemical.

March 22—7:15 P. M. Telephone.

Ninth and Burnside streets. False alarm.

March 22—7:18 P. M. Box 17.

Ninth and Burnside streets. False alarm.

March 23—9:00 A. M. Box 241.

No. 72 East Tenth street. 2-story frame; owned by J. H. Starbuck; occupied by J. A. Kirkham as dwelling; cause of fire, burning flue. No work.

March 23—7:00 P. M. Telephone.

Tenth and Everett streets. False alarm.

March 25—10:10 P. M. Telephone.

No. 130 First street. 2-story brick; owned by Hawthorne estate; occupied by H. Berger as wall paper store; cause of fire, spontaneous combustion. Building insured for \$2,500; contents, \$6,000. Babcock.

March 26—3:00 A. M. Telephone.

No. 1336 East Eighth, Woodlawn. 2-story frame; owned by Portland Trust Co.; occupied by O. R. Barnes as dwelling; cause of fire, defective flue. Loss on building, \$1,000; on contents, \$800; building insured for \$1,000; contents, \$800; insurance paid on building, \$1,000; on contents, \$800. Chemical.

March 26—10:40 A. M. Box 345.

No. 654 Commercial street. 1-story frame; owned by H. Dobson; occupied by C. A. Brown as dwelling; cause of fire, gasoline explosion. Loss on building, \$5; insurance on contents, \$500. Buckets water.

March 27—2:55 A. M. Box 253.

Eighteenth and Clinton streets. 1-story frame; owned by B. L. Stone; occupied by M. Conser as grocery store; cause of fire unknown. Contents insured for \$400. Water.

March 31—10:30 A. M. Telephone.

No. 332½ Washington street. 2-story frame; owned by C. McGinn; occupied by Lena Badaraco as lodging-house; cause of fire, burning flue. Building insured for \$3,000; contents, \$1,300. No work.

April 1—6:25 P. M. Box 31.

No. 208 Arthur street. 1-story frame; owned by J. Arnold; occupied by E. Sager as dwelling; cause of fire, defective flue. Loss on building, \$2.50; on contents, \$5; building insured for \$500; contents, \$750; insurance paid on building, \$2.50; on contents, \$5. Water.

April 2—10:10 A. M. Telephone.

No. 453 Park street. 2-story frame; owned and occupied by J. Hopkins as dwelling; cause of fire, burning flue. No work.

April 2—10:25 P. M. Telephone.

No. 343 Tenth street. 3-story frame; owned and occupied by J. S. Keller as dwelling; cause of fire, burning flue. No loss.

April 9—8:05 P. M. Box 38.

No. 365 First street. 2-story frame; owned by J. Wilson; occupied by Mrs. N. Brown as dwelling; cause of fire, burning flue. No loss.

April 13—11:15 A. M. Still.

No. 314 East Sixth street. 1½-story frame; owned and occupied by S. Muessig as dwelling; cause of fire, defective flue. Babcock.

April 14—11:26 A. M. Box 12.

No. 185½ Morrison street. 2-story frame; owned by Meier & Frank; occupied by F. F. Reiner as restaurant; cause of fire, lamp exploded. Loss on building, \$525; on contents, \$250; building insured for \$3,000; insurance paid on building, \$525. Chemical and water.

April 14—11:26 A. M. Box 12.

No. 185½ Morrison street. 2-story frame; owned by Meier & Frank; occupied by C. A. Alvord as photo gallery; children playing with matches. Loss on contents, \$50; contents insured for \$150; insurance paid on contents, \$50. Chemical and water.

April 15—6:45 P. M. Box 56.

No. 215 Eleventh street. 2-story frame; owned by H. Leonard; occupied by I. Gevurtz as dwelling; cause of fire unknown. Loss on building, \$2.50; on contents, \$87; contents insured for \$1,000; insurance paid on contents, \$87.

April 15—6:15 A. M. Box 54.

Nos. 61 and 63 Fifth street. 2-story frame; owned by Leo Fried; occupied by Fred Newbauer as carriage factory; cause of fire incendiary. Loss on building, \$142; on contents, \$25; contents insured for \$350; insurance paid on contents, \$25. Water.

April 15—6:15 A. M. Box 54.

Nos. 65 and 67 Fifth street. 2-story frame; owned by Mrs. L. E. Hamilton; unoccupied; cause of fire, incendiary. Loss on building, \$70. Water.

April 15—6:15 A. M. Box 54.

No. 69 Fifth street. 1-story frame; owned and occupied by Trinity Parish as Sunday School; cause of fire, incendiary. Loss on building, \$30; on contents, \$5.

April 15—6:15 A. M. Box 54.

No. 304 Pine street. 2-story frame; owned by Leo Fried; unoccupied; cause of fire, incendiary. Loss on building, \$425.

April 15—6:15 A. M. Box 54.

Nos. 306 and 308 Pine street. 2-story frame; owned by J. A. Haseltine; occupied by J. A. Haseltine & Co. as warehouse; cause of fire, unknown. Loss on building, \$207.40; on contents, \$680.76; building insured for \$1,000; contents, \$4,000; insurance paid on building, \$207.40; on contents, \$680.76. Water.

April 15—9:06 P. M. Telephone.

No. 485 Alder street. 2-story frame; owned by H. B. Chase; occupied by Mrs. M. E. Stratton as dwelling; cause of fire, electric wires. Loss on building, \$116.81; on contents, \$20; building insured for \$1,000; insurance paid on building, \$116.81. Chemical.

April 15—11:55 P. M. Telephone.

No. 485 Alder street. 2-story frame; owned by H. B. Chase; occupied by Mrs. M. E. Stratton as dwelling; cause of fire, electric wires. Water buckets.

April 16—8:45 A. M. Telephone.

No. 553 Morrison street. 2-story frame; owned by the Richet Co.; occupied by M. J. McKinnon as dwelling; cause of fire, burning flue. Building insured for \$1,000. No work.

April 17—7:27 P. M. Box 142.

Nos. 64 and 66 N. Fourth street. 1-story frame; owned by P. Holbrook; occupied by Miss Carrie Smith as dwelling; cause of fire, burning flue. Building insured for \$2,000. No work.

April 18—11:25 A. M. Box 31.

No. 694 Front street. 2-story frame; owned by Ger. Sav. & Loan Soc.; occupied by A. Prasil as dwelling; cause of fire, lamp exploded. Loss on building, \$200; on contents, \$1,100; building insured for \$1,500; contents, \$800; insurance paid on building, \$200; on contents, \$800. Babcock.

April 21—6:30 P. M. Telephone.

No. 95 Sixth street. 2-story frame; owned by H. Wolfe; occupied by the Misses Steele as dwelling; cause of fire, overheated furnace. Building insured for \$1,500; contents, \$5,000. No work.

April 21—9:56 A. M. Still.

No. 60 Second street. 3-story brick; owned by Lloyd Brooke estate; occupied by Hop Ching Lung Co. as general mdse. store; cause of fire, burning flue. Building insured for \$5,000; contents, \$12,000. No work.

April 22—5:34 P. M. Box 142.

No. 225 Davis street. 1-story frame; owned by Woodard, Killen & Wakefield; occupied by F. Glos as lodging-house; cause of fire, sparks from chimney. Building insured for \$75. Buckets of water.

April 26—2:30 P. M. Telephone.

No. 455 East Oak street. 2½-story frame; owned and occupied by Mrs. E. C. Dalton as dwelling; cause of fire, burning flue. Building insured for \$1,000; contents, \$1,000. No work.

April 28—12:20 P. M. Telephone.

No. 66 Twenty-second N. False alarm.

April 29—11:10 A. M. Telephone.

No. 430 Yamhill street. 2-story frame; owned by D. Williams, occupied by O. H. Dearing as dwelling; cause of fire, overheated stove. Loss on building, \$10; on contents, \$150; contents insured for \$500; insurance paid on contents, \$150.

May 1—8:45 A. M. Telephone.

No. 513 Morrison street. 2-story frame; owned by L. B. Stearns; occupied by G. W. Jolls as confectionery; cause of fire, burning candy pot. Building insured for \$500; contents, \$1,500. No work.

May 2—7:25 A. M. Box 231.

No. 53 East Water street. 1-story frame; owned by F. H. Page; occupied by Hammond Packing Co. as warehouse; cause of fire, sparks from smokehouse. Loss on contents, \$368; building insured for \$5,000; contents, \$12,000; insurance paid on contents, \$368. Water.

May 4—8:49 P. M. Box 142.

No. 280 Everett street. 2-story frame; owned by A. Lyons; occupied by A. Arnaud as saloon; cause of fire, burning flue. Building insured for \$1,100; contents, \$1,200. No work.

May 8—5:55 P. M. Box 214.

Water and Hawthorne streets. 2-story frame; owned and occupied by Wolff & Zwicker as iron works; cause of fire, burning asphaltum. Building insured for \$1,600; contents, \$64,000. No work.

May 9—7:59 P. M. Box 36.

No. 410 Thirteenth street. 1½-story frame; owned and occupied by Mary Beutgen as dwelling; cause of fire, sparks from chimney. Loss on building, \$128; on contents, \$64; building insured for \$650; contents, \$400; insurance paid on building, \$128; on contents, \$64. Chemical.

May 9—6:56 A. M. Telephone.

No. 333 Washington street. 6-story brick; owned by Steinbach & Wells; occupied by Thomas Guinean as hotel; cause of fire unknown. Loss on building, \$18; on contents, \$11.55; building insured for \$30,000; contents, \$5,500; insurance paid on building, \$18; on contents, \$11.55. Buckets of water.

May 9—12:12 P. M. Telephone.

Nos. 104 and 106 Front street. 2-story frame; owned by W. B. Smith; occupied by Jno. C. Clark as harness shop; cause of fire, burning flue. Building insured for \$6,000; contents, \$15,500. No work.

May 14—5:55 P. M. Telephone.

No. 491 Washington street. 1-story frame; owned by The Racket Co.; occupied by Chung Sing as laundry; cause of fire, defective flue. Loss on building, \$5; building insured for \$100; insurance paid on building, \$5. Buckets of water.

May 18—8:50 P. M. Telephone.

East Twelfth street. 1-story frame; owned by D. McKee; occupied by E. Lynne as dwelling; cause of fire unknown. Building insured for \$600; contents insured for \$200. No work.

May 19—10:52 P. M. Box 92.

Front and Pettygrove streets. 2-story frame; owned and occupied by Blue Mountain Ice Co. as cold-storage plant; cause of fire,

defective foundation of furnace. Loss on building, \$9,973.10; on contents, \$11,973.85; building insured for \$11,890; contents, \$13,110; insurance paid on building, \$9,973.10; on contents, \$11,273. Water.

May 19—10:57 P. M. Box 92.

Front and Pettygrove streets. 2-story frame; owned and occupied by F. C. Barnes as cannery; cause of fire, defective foundation of furnace. Loss on building, \$1,100; on contents, \$250; building insured for \$1,000; insurance paid on building, \$1,000. Water.

May 22—6:15 A. M. Box 25.

No. 247 Fourteenth street. 1-story frame; owned by Joseph Barber; occupied by P. Hansen as dwelling; cause of fire, defective flue. Loss on building, \$7; building insured for \$600; insurance paid on building, \$7. Babcock.

May 22—6:20 A. M. Telephone.

No. 450 Montgomery street. 1½-story frame; owned by W. Caison; occupied by C. E. Warren as dwelling; cause of fire, burning flue. No work.

May 23—10:50 A. M. Box 15.

Nos. 1, 3 and 5 Front street N. 3-story brick; owned by Dekum estate; occupied by Peters & Roberts as furniture store; cause of fire, electric wires. Building insured for \$10,000; contents, \$10,000. Buckets of water.

May 23—12:10 P. M. Box 12.

No. 169 Front street. 2-story brick; owned by A. Harker; occupied by Tolpolar & Apple as auction house; cause of fire, lamp exploded. Loss on building, \$112.95; on contents, \$200; building insured for \$6,500; contents, \$3,500; insurance paid on building, \$112.95; on contents, \$200. Chemical.

May 30—1:40 A. M. Telephone.

No. 690 Glisan street. 1½-story frame; owned and occupied by H. W. Fries as dwelling; cause of fire, burning flue. Building insured for \$1,000; contents, \$1,000. Buckets of water.

May 30—6:35 P. M. Telephone.

Davis street. 1-story frame; owned by Peter Taylor; occupied by Miss Louise as dwelling; cause of fire, sparks from chimney. Building insured for \$100. Buckets of water.

June 3—12:35 A. M. Telephone.

No. 1196 East Salmon street. 1-story frame; owned by D. H. Deardorf; unoccupied; cause of fire unknown. Loss on building, \$75. Water.

June 3—8:45 P. M. Box 315.

No. 125 Sellwood street; 1½-story frame; owned by A. J. Smithson; occupied by A. J. Fowler as dwelling; cause of fire, sparks from chimney. Babcock.

June 3—8:15 P. M. Still.

Foot of Sheridan street. Rubbish; cause of fire, boys' carelessness. Water.

June 6—8:55 A. M. Telephone.

No. 185 Third street. 1-story brick; owned by P. Holbrook; unoccupied; cause of fire, electric wires. Loss on building, \$5; building insured for \$750; insurance paid on building, \$5. Water.

June 7—12:15 A. M. Telephone.

Glencoe Station. 1-story frame; owned and occupied by Mrs. Glendon as dwelling; cause of fire, defective flue. Loss on building, \$600; building insured for \$600; insurance paid on building, \$600.

June 10—5:30 A. M. Box 12.

Nos. 167 and 169 Second street. 3-story brick; owned by J. W. Strowbridge; occupied by Portland Seed Co. as seed store; cause of fire, spontaneous combustion. Loss on building, \$867; on contents, \$474; building insured for \$10,000; contents, \$4,500; insurance paid on building, \$867; on contents, \$474. Chemical and water.

June 12—5:30 A. M. Box 12.

Nos. 167 and 169 Second street. 3-story brick; owned by J. W.

Strowbridge; occupied by Multnomah Printing Co. as printing office; cause of fire, spontaneous combustion. Loss on contents, \$534.78; contents insured for \$3,000; insurance paid on contents, \$534.78. Chemicals and water.

June 12—5:30 A. M. Box 12.

Nos. 167 and 169 Second street. 3-story brick; owned by J. W. Strowbridge; occupied by Moore & Short as printing office; cause of fire, spontaneous combustion. Loss on contents, \$1,600; contents insured for \$4,800; insurance paid on contents, \$1,600. Chemical and water.

June 10—5:30 A. M. Box 12.

Nos. 167 and 169 Second street. 3-story brick; owned by J. W. Strowbridge; occupied by W. J. Smith as janitor's room; cause of fire, spontaneous combustion. Loss on contents, \$100. Chemical and water.

June 10—5:30 A. M. Box 12.

Nos. 167 and 169 Second street. 3-story brick; owned by J. W. Strowbridge; occupied by Odd Fellows as lodge room; cause of fire, spontaneous combustion. Chemicals and water.

June 10—5:30 A. M. Box 12.

Nos. 244 and 246 Morrison street. 4-story brick; owned by Kaufman & Rothchilds; occupied by H. Breeden Co. as furniture store; cause of fire, spontaneous combustion. Loss on contents, \$590.86; building insured for \$36,000; contents, \$34,820; insurance paid on contents, \$590.86. Chemicals and water.

June 10—5:30 A. M. Box 12.

Nos. 173 and 175 Second street. 4-story brick; owned by Kaufman & Rothchilds; occupied by Eagles as lodge room; cause of fire, spontaneous combustion. Loss on contents, \$175; contents insured for \$600; insurance paid on contents, \$175. Chemicals and water.

June 10—9:38 P. M. Box 135.

No. 283 Washington street. 1-story frame; owned by Mrs. M. M. Gearin; occupied by J. C. Wickham as lunch counter; cause of fire, defective flue. Loss on building, \$110; on contents, \$300; building insured for \$50; contents, \$500; insurance paid on building, \$50; on contents, \$500. Chemical and water.

June 10—9:38 P. M. Box 135.

No. 285 Washington street. 2-story frame; owned by Mrs. M. M. Gearin; occupied by L. Everding as oyster house; cause of fire, defective flue. Loss on building, \$82; on contents, \$24; building insured for \$150; contents, \$200; insurance paid on building, \$82; on contents, \$24. Chemical and water.

June 10—9:38 P. M. Box 135.

No. 113 Fourth street. 2-story frame; owned by Mrs. M. M. Gearin; occupied by Chas. Jacobs as shirt factory; cause of fire, defective flue. Loss on building, \$280; building insured for \$400; contents, \$600; insurance paid on building, \$280. Chemical and water.

June 10—9:38 P. M. Box 135.

No. 281 Washington street. 2-story frame; owned by Mrs. M. M. Gearin; occupied by F. Huber as saloon; cause of fire, defective flue. Loss on contents, \$203; contents insured for \$2,500; insurance paid on contents, \$203. Chemical and water.

June 10—9:38 P. M. Box 135.

No. 281 Washington street. 2-story frame; owned by Mrs. M. M. Gearin; occupied by E. Schiller as cigar factory; cause of fire, defective flue. Loss on contents, \$1,400; contents insured for \$3,600; insurance paid on contents, \$1,400. Chemical and water.

June 10—10:55 P. M. Telephone.

113 Fourth street. Same fire as above. Buckets water.

June 10—11:20 P. M. Box 31.

No. 731 Corbett street. 1-story frame; owned by Mrs. D. Hammond; occupied by M. Courtney as dwelling; cause of fire unknown. Loss on building, \$500; contents, \$500; contents insured for \$500; insurance paid on contents, \$500. Water.

June 10—11:25 P. M. Box 71.

No. 731 Corbett. Same fire.

June 11—6:38 P. M. Telephone.

No. 93½ Third street. 2-story frame; owned by H. W. Monnastes; occupied by Mrs. J. Harris as lodging-house; cause of fire, burning flue. Loss on building, \$1.50.

June 14—5:50 P. M. Telephone.

False alarm.

June 17—11:44 A. M. Box 48.

No. 449 Irving street. 2-story frame; owned by Mrs. M. Carney; occupied by J. J. Carney as dwelling; cause of fire, sparks from chimney. Loss on building, \$30; building insured for \$1,500; contents, \$500; insurance paid on contents, \$30. Buckets water.

June 18—9:15 A. M. Box 231.

No. 64 Union avenue. 1-story frame; owned by Frank Bode; occupied by N. L. Barrett as dwelling; cause of fire, defective flue. Loss on building, \$2.50. Babcock.

June 19—4:00 P. M. Telephone.

Twenty-fourth and Davis streets. 3-story frame; owned and occupied by Gambrinus Brewing Co. as brewery; cause of fire, sparks from smokestack. Building insured for \$8,000; contents, \$23,500. Water.

June 19—4:05 P. M. Box 29.

Twenty-fourth and Davis streets. Same fire.

June 21—12:15 A. M. Box 142.

No. 269 Everett street. 3-story frame; owned by Chas. Cardinell; occupied by D. Thornton as saloon; cause of fire unknown. Loss on building, \$100; building insured for \$1,000; insurance paid on building, \$100. Chemical.

June 25—4:40 P. M. Box 57.

No. 500 Taylor street. 2½-story frame; owned and occupied by Mrs. R. H. Holman as dwelling; cause of fire unknown. Loss on building, \$2,070; on contents, \$5,740.33; building insured for \$7,000; contents, \$7,100; insurance paid on building, \$2,070; on contents, \$5,740.33. Chemical.

June 25—7:30 P. M. Telephone.

Seventeenth and East Seventh streets. 2-story frame; owned by H. S. Zeller; occupied by Mrs. E. V. Waters as dwelling; cause of fire, burning flue. No loss.

June 26—8:30 A. M. Still.

No. 685 Savier street. 2-story frame; owned by Mrs. E. R. Glisan; occupied by P. Mellis as dwelling; cause of fire, defective flue. Loss on building, \$5; building insured for \$200; contents, \$300; insurance paid on building, \$5. Buckets water.

June 26—11:55 A. M. Box 523.

No. 382 Washington street. False alarm.

June 27—5:00 P. M. Box 43.

Seventeenth and Front streets. 3-story frame; owned by J. A. Martin; occupied by J. A. Martin & Co. as sash and door factory; cause of fire, sparks from smokestack. Building insured for \$1,500; contents, \$2,000. Water.

July 1—2:05 P. M. Box 341.

No. 503 Borthwick street. 1-story frame; owned by Miss C. Beck; occupied by Mrs. Herman as dwelling; cause of fire, sparks from chimney. Loss on building, \$1.50; building insured for \$200; insurance paid on building, \$1.50. Babcock.

July 1—11:25 P. M. Still.

No. 183 First street. 3-story brick; owned by D. Monnastes; occupied by E. Meierstein as grocery store; cause of fire, burning matches. No work.

July 2—12:15 P. M. Telephone.

No. 410 Salmon street. 1½-story frame; owned by J. Costello; occupied by J. Marks as dwelling; cause of fire, sparks from chimney. Loss on building, \$15; building insured for \$1,000; contents, \$750; insurance paid on building, \$15. Babcock.

July 3—10:40 A. M. Telephone.

N. P. Lumber Mills. 3-story frame; owned and occupied by N. P. Lumber Co. as saw mill; cause of fire, sparks from fire box. Building insured for \$10,000; contents, \$40,000. Water.

July 3—11:50 P. M. Telephone.

No. 203½ First street. 2-story frame; owned by T. Connell; occupied by B. Williams as photo gallery; cause of fire, fire crackers. Loss on building, \$25; building insured for \$2,500; insurance paid on building, \$25. Buckets water.

July 3—11:55 P. M. Box 12.

No. 203½ First street. 1-story frame; owned by T. Connell; occupied by B. Williams as photo gallery. Same fire. Water.

July 4—4:15 A. M. Box 321.

No. 799 Mississippi avenue. 1-story frame; owned by M. Behlow; unoccupied; cause of fire unknown. Loss on building, \$179.15; building insured for \$650; insurance paid on building, \$179.15. Water.

July 4—9:35 P. M. Still.

No. 165 East Thirty-third street. 2-story frame; owned and occupied by E. Allen as dwelling; false alarm.

July 4—6:00 P. M. Still.

Sixteenth and Main streets. False alarm.

July 4—12:15 A. M. Still.

No. 452 Washington street. 1-story frame; owned by Martin Winch; occupied by D. Marx as dwelling; cause of fire, firecrackers. Building insured for \$1,000; contents, \$1,000. Buckets water.

July 4—6:30 P. M. Still.

Front and Ankeny streets. 1-story frame; owned by Portland Wharf Co.; occupied by Crane & Co. as warehouse; cause of fire, firecrackers. Water.

July 4—8:31 P. M. Still.

No. 92 Tenth street N. 2-story frame. False alarm.

July 4—9:56 P. M. Telephone.

No. 110 Third street. 1-story frame; owned by Mrs. A. D. Gantenbein; occupied by W. S. Lanthers as feed store; cause of fire, firecrackers. Loss on building, \$3.50; building insured for \$300; contents, \$500; insurance paid on building, \$3.50. Buckets water.

July 4—10:22 P. M. Box 17.

No. 330 Davis street. 1-story frame; owned by H. W. Wallace; occupied by J. Donovan as dwelling; cause of fire, unknown. Loss on building, \$115; on contents, \$217.60; building insured for \$250; contents, \$800; insurance paid on building, \$115; on contents, \$217.60. Chemical.

July 4—4:15 A. M. Telephone.

No. 265 Fifth street. 1½-story frame; owned by D. Danziger; occupied by M. Stewart as dwelling; cause of fire, firecrackers. Loss on building, \$50; building insured for \$250; insurance paid on building, \$50. Water.

July 4—1:50 P. M. Telephone.

No. 228 First street. 2-story frame; owned by C. F. Smith; occupied by T. J. Villia as harness shop; cause of fire, firecrackers. Loss on building, \$10; building insured for \$1,500; contents, \$1,000; insurance paid on building, \$10. Chemical.

July 4—9:45 P. M. Telephone.

No. 326 First street. 2-story frame; owned by J. Eurey; occupied by Mrs. J. Kenny as dwelling; cause of fire, firecrackers. Loss on building, \$25. Chemical.

July 4—10:30 P. M. Still.

No. 220 Jefferson street. 2-story frame; owned by O'Shea Bros.; occupied by Sunset Creamery Co. as creamery; cause of fire, firecrackers. Buckets water.

July 4—10:35 P. M. Still.

No. 228 Jefferson street. 2-story frame; owned by H. Monnastes; occupied by H. Donly as stable; cause of fire, firecrackers. Buckets water.

July 5—4:20 P. M. Box 31.

No. 267 Arthur street. 1-story frame; owned by H. Webber; occupied by J. Greenstein as dwelling; cause of fire, sparks from chimney. Loss on building, \$2.50; building insured for \$400; insurance paid on building, \$2.50. Water.

July 5—11:05 P. M. Telephone.

No. 390 East Davis street. 1-story frame; owned by C. E. and F. S. Fields; occupied by Mrs. R. Berpman as dwelling; cause of fire, sparks from chimney. Loss on building, \$1.50; building insured for \$800; insurance paid on building, \$1.50. Babcock.

July 6—3:22 P. M. Telephone.

No. 69 Fifth street. 1-story frame; owned and occupied by Trinity Parish as Sunday school; cause of fire, sparks from chimney. Loss on building, \$8. Buckets water.

July 8—1:15 P. M. Box 72.

No. 1034 Front street. 1-story frame; owned by C. Curry; occupied by D. Bennett as dwelling; cause of fire, burning flue. No loss.

July 9—7:45 A. M. Box 124.

No. 426 Front street. 1-story frame; owned by I. Myers; occupied by L. Blafsky as dwelling; cause of fire, burning flue. No work.

July 10—1:59 P. M. Box 17.

No. 42 North Sixth street. 2-story frame; owned by Mrs. L. Keenan; occupied by Mrs. A. Macarty as dwelling; cause of fire, sparks from chimney. Loss on building, \$1; building insured for \$300; insurance paid on building, \$1. Buckets water.

July 11—10:20 A. M. Box 341.

No. 147 Knott street. 1-story frame; owned by J. Church; occupied by J. Jones as dwelling; cause of fire, defective flue. Loss on building, \$1.50; building insured for \$400; insurance paid on building, \$1.50. Babcock.

July 13—5:08 P. M. Telephone.

No. 294 Washington street. False alarm.

July 17—3:05 P. M. Box 324.

No. 933 Borthwick street. 1-story frame; owned and occupied by J. Lawson as woodshed; cause of fire, children and matches. Loss on building, \$30; building insured for \$500; insurance paid on building, \$30. Water.

July 17—2:45 P. M. Still.

No. 354 East Oak street. 3-story frame; owned by S. F. G. Loan & Savings Association; occupied by J. Lindsay as lodging house; cause of fire, burning flue. Building insured for \$3,500. No work.

July 18—12:55 P. M. Box 43.

Corner Seventeenth and Front streets. 2-story frame; owned and occupied by Western Lumber Co. as sawmill; cause of fire, sparks from chimney. Building insured for \$5,000; contents, \$20,000. No work.

July 18—8:50 A. M. Box 124.

No. 212 Harrison street. 1-story frame; owned by R. Williams; occupied by P. A. Rogaway as dwelling; cause of fire unknown. Loss on building, \$15; on contents, \$75; contents insured for \$500; insurance paid on contents, \$75. Water.

July 19—3:24 A. M. Telephone.

No. 288 North Seventeenth street. 2-story frame; owned and occupied by E. Erickson as dwelling; cause of fire, electric wires. Loss on building, \$480; on contents, \$166.15; building insured for \$1,000; contents, \$1,500; insurance paid on building, \$480; on contents, \$166.15. Water.

July 19—3:26 A. M. Box 64.

No. 288 North Seventeenth street. 2-story frame; owned and occupied by E. Erickson; cause of fire, electric wires.

July 19—7:58 A. M. Box 43.

Corner Seventeenth and Front streets. 3-story frame; occupied by J. A. Martin & Co. as sash and door factory; cause of fire, sparks from stack. Building insured for \$1,500; contents, \$20,000. No work.

July 19—2:05 P. M. Telephone.

Foot of Hall street. 2-story frame; owned by S. Pennoyer; vacant; sawmill; cause of fire, sparks from chimney. Loss on building, \$5. Chemical.

July 19—8:10 P. M. Still.

No. 441 Glisan street. 1-story frame; owned by A. Autich; occupied by A. Autich & Son as grocery store; cause of fire, sparks from chimney. Loss on building, \$2.50; building insured for \$500; contents, \$1,000. Buckets water.

July 20—6:31 P. M. Box 23.

No. 362 Stark street. 1-story frame; owned by S. Farrell; occupied by Mrs. E. Miller as dwelling; cause of fire, defective flue. Loss on building, \$5; building insured for \$1,000; contents, \$1,000; insurance paid on building, \$5. Buckets water.

July 20—9:45 P. M. Telephone.

No. 24 East Sixth street. 1-story frame; owned by Frisby & Smith; occupied by Mrs. A. K. Stroble as dwelling; cause of fire, lace curtains fire. Loss on building, \$20; on contents, \$25; building insured for \$1,000. Buckets water.

July 21—10:35 P. M. Box 45.

No. 103 Park North. 2-story frame; owned by G. A. and W. Marshall; occupied by John Howard as rooming house; cause of fire, lamp exploded. Loss on building, \$35; contents, \$5. Buckets water.

July 23—8:40 P. M. Box 9.

False alarm.

July 24—8:10 A. M. Box 246.

No 748 East Burnside street. 2-story frame; owned by Mrs. C. D. Frazier; occupied by E. W. Murphy as dwelling; cause of fire, defective flue. Loss on building, \$2.50; building insured for \$1,500; contents, \$1,000; insurance paid on building, \$2.50. Buckets water.

July 24—10:47 P. M. Box 54.

No. 42½ Third street. 1-story frame; owned by W. J. Hawkins; occupied by P. G. Lisignoli as shoe store; cause of fire, incendiary. Loss on building, \$60; on contents, \$30; building insured for \$135; contents, \$400; insurance paid on building, \$60; on contents, \$30. Water.

July 24—10:47 P. M. Box 54.

No. 44 Third street. 1-story frame; owned by W. J. Hawkins; occupied by A. R. Sutherland as shooting gallery; cause of fire, incendiary. Loss on building, \$100; on contents, \$20; building insured for \$100; insurance paid on building, \$100. Water.

July 24—10:47 P. M. Box 54.

No. 44½ Third street. 1-story frame; owned by W. J. Hawkins; occupied by Phil Stein as second-hand store; cause of fire, incendiary. Loss on building, \$100; on contents, \$2,000; building insured for \$100; contents, \$2,300; insurance paid on building, \$100; on contents, \$2,000. Water.

July 24—10:47 P. M. Box 54.

No. 46 Third street. 1-story frame; owned by W. J. Hawkins; occupied by R. W. Pool as notions and cigar store; cause of fire, incendiary. Loss on building, \$100; building insured for \$100; insurance paid on building, \$100. Water.

July 24—10:47 P. M. Box 54.

No. 48 Third street. 1-story frame; owned by Macleay Estate; occupied by Boo Woo & Co. as tailor shop; cause of fire, incendiary. Loss on building, \$25; on contents, \$199.88; contents insured for \$1,000; insurance paid on contents, \$199.88. Water.

July 24—10:47 P. M. Box 54.

No. 250 Ash street. 1-story frame; owned by W. J. Hawkins; occupied by Hop Lee Co. as tailor shop; cause of fire, incendiary. Loss on building, \$100; building insured for \$100; contents, \$1,500; insurance paid on building, \$100. Water.

July 25—9:45 A. M. Box 31.

No. 703 Second street. 1-story frame; owned by J. Murray; occupied by E. Meserve as dwelling; cause of fire, sparks from chimney. Buckets water.

July 27—6 A. M. Telephone.

No. 373 Cable street. 2-story frame; owned and occupied by C. Anderson as dwelling; cause of fire, sparks from chimney. Loss on building, \$100; on contents, \$54; building insured for \$1,100; contents, \$500; insurance paid on building, \$100; on contents, \$54. Water.

July 27—6:05 A. M. Box 35.

No. 373 Cable street. 2-story frame; owned and occupied by C. Anderson as dwelling; cause of fire, sparks from chimney. Water.

July 30—12:28 A. M. Telephone.

Foot of Pine street. 1-story frame; owned by Dolph, Thompson & Dolph; occupied by W. P. Fuller & Co. as warehouse; cause of fire, incendiary. Loss on contents, \$433; building insured for \$6,000; contents, \$29,500; insurance paid on contents, \$433. Chemical and water.

July 30—12:30 A. M. Box 19.

Foot of Pine street. 1-story frame; owned by Dolph, Thompson & Dolph; occupied by W. P. Fuller & Co. as warehouse; cause of fire, incendiary. Chemical and water.

July 30—1:20 A. M. Box 215.

Hawthorne avenue. 2-story frame; owned by Hawthorne Estate; occupied by H. C. Albee as machine shop; cause of fire, unknown. Loss on contents, \$5,000. Water.

July 30—1:20 A. M. Box 215.

Hawthorne avenue. 2-story frame; owned by Hawthorne Estate; occupied by Aker & Co. as drapers; cause of fire unknown. Loss on contents, \$1,200. Water.

July 30—1:20 A. M. Box 215.

Hawthorne avenue. 2-story frame; owned by Hawthorne Estate; occupied by American School Furniture Co. as shop; cause of fire, unknown. Loss on contents \$1,500. Water.

July 30—1:20 A. M. Box 215.

Hawthorne avenue. 2-story frame; owned by Hawthorne Estate; occupied by M. W. Parelius as shop; cause of fire unknown. Loss on contents, \$500. Water.

July 30—1:20 A. M. Box 215.

Hawthorne avenue. 2-story frame; owned by Hawthorne Estate; occupied by consigned goods as warehouse; cause of fire unknown. Loss on contents, \$8,000. Water.

July 31—2:55 A. M. Telephone.

No. 186 Grant street. 1-story frame; owned by P. G. Baker; occupied by N. Augustine as dwelling; cause of fire, unknown. Loss on building, \$5; on contents, \$180; insurance on contents, \$600; insurance paid on contents, \$180. Chemical.

August 2—1:36 P. M. Box 35.

No. 534 Columbia street. 1½-story frame; owned by J. E. Eagan; occupied by T. Slack as dwelling; cause of fire, sparks from chimney. Loss on building, \$50; on contents, \$25. Water and chemical.

August 2—12:10 A. M. Box 38.

False alarm.

August 3—3:55 P. M. Box 21.

No. 333 Morrison street. 8-story brick; owned by Title Guarantee & Trust Co.; occupied by Ling, Chong & Co. as dry goods store; cause of fire, lamp exploded. Building insured for \$173,000; contents, \$2,000. No work.

August 3—6:45 P. M. Telephone.

Foot of Hall street. 2-story frame; owned by S. Pennoyer; vacant; sawmill; cause of fire, sparks. No work.

August 4—9:36 P. M. Box 243.

No. 124 East Fifteenth street. 1½-story frame; owned by Captain Gritzmacher; occupied by R. C. Crosby as dwelling; cause of fire, lamp exploded. Loss on building, \$155; building insured for \$1,000; insurance paid on building, \$155. Water.

August 8—9:45 A. M. Box 318.

No. 372 Eugene street. 1-story shed; owned and occupied by H. Helser as chicken house; cause of fire, sparks. Loss on building, \$10. Chemical.

August 9—2 P. M. Box 253.

No. 484 East Seventeenth street. 2-story frame; owned by H. McLaughlin; occupied by P. Kelly as dwelling; cause of fire, burning flue. Contents insured for \$600. No work.

August 9—11:10 P. M. Box 234.

No. 129 Grand avenue. 3-story brick; owned by T. West; occupied by J. H. Buckler as rooming house; cause of fire, lamp upset. Loss on building, \$10; building insured for \$3,000; insurance paid on building, \$10. Buckets water.

August 12—1:09 P. M. Box 142.

No. 53½ First street North. 2-story frame; owned by J. & S. Simon; occupied by Carrie Jones as dwelling; cause of fire, defective flue. Loss on building, \$180; on contents, \$10; building insured for \$1,000; insurance paid on building, \$180. Chemical.

August 12—1:09 P. M. Box 142.

No. 55 First street North. 2½-story frame; owned by J. & S. Simon; occupied by S. Natsher as hotel; cause of fire, defective flue. Loss on building, \$135.50; building insured for \$2,000; insurance paid on building, \$135.50. Chemical.

August 13—5:25 P. M. Still.

No. 161 Fourteenth street North. 2-story frame; owned by M. Tweed Estate; occupied by A. Balsenier as dwelling; cause of fire, matches. Loss on building, \$28; on contents, \$100; building insured for \$1,200; insurance paid on building, \$28. No work.

August 14—12:03 P. M. Telephone.

No. 551 Northrup street. 1-story frame; owned by D. Barrett; occupied by D. Sullivan as dwelling; cause of fire, burning flue. Building insured for \$800. No work.

August 20—11:41 A. M. Box 56.

No. 221 Eleventh street. 2½-story frame; owned by Taylor-Street Methodist Church; occupied by H. W. Kellogg as dwelling; cause of fire, ash barrel. Loss on building, \$294; on contents, \$100; building insured for \$5,000; contents, \$800; insurance paid on building, \$294; contents, \$100. Chemical and water.

August 21—1:40 A. M. Box 21.

No. 751 East Stark street. 1-story frame; owned and occupied by J. Czalkowski as dwelling; cause of fire unknown. Loss on building, \$1,100; on contents, \$500; building insured for \$1,000; contents, \$500; insurance paid on building, \$1,000; on contents, \$500. Water.

August 21—1:45 A. M. Still.

Ross Island. 2-story frame; owned and occupied by F. Solomon as boathouse; cause of fire, unknown.

August 29—9:30 P. M. Box 242.

False alarm.

August 29—8:26 P. M. Box 13.

No. 264 Alder street. 2-story frame; owned by Mrs. E. McCormack; occupied by Townsend & Curry as tea store; cause of fire, unknown. Loss on building, \$106; on contents, \$12; building insured for \$1,750; contents, \$300; insurance paid on building, \$106; on contents, \$12. Chemical.

August 29—8:26 P. M. Box 13.

No. 264 Alder street. 2-story frame; owned by Mrs. E. McCormack; occupied by A. Von der Worth as butter store; cause of fire unknown. Loss on contents, \$196; insurance on contents, \$1,000; insurance paid on contents, \$196. Chemical.

August 29—P. M. Telephone.

No. 264 Glisan street. 1-story frame; owned by W. B. Ayer; occupied by Star Laundry as laundry; cause of fire, burning stock. Building insured for \$1,500; contents, \$2,000. No work.

August 29—5 P. M. Box 213.

No. 239 Grand avenue. 1-story frame; owned by W. B. Allen; occupied by Mrs. J. D. Drew as dwelling; cause of fire, sparks from chimney. Loss on building, \$20; building insured for \$500; insurance paid on building, \$20. No work.

September 9—11:10 P. M. Box 24.

No. 160 Fifteenth street North. 1½-story frame; owned by Mrs. Ann Manning; occupied by C. Penders as dwelling; cause of fire, lamp upset. Loss on building, \$145; on contents, \$297.22; building insured for \$350; contents, \$600; insurance paid on building, \$145; on contents, \$297.22. Chemical.

September 10—10:25 P. M. Box 234.

No. 45 Grand avenue. 3-story brick; owned by West & Kadderly; unoccupied; cause of fire, from adjoining building. Contents insured for \$3,000. Chemical.

September 10—10:25 P. M. Box 234.

No. 405 East Oak street. 1-story frame; owned by West & Kadderly; occupied by China Charley as dwelling; cause of fire, lamp exploded. Loss on building, \$600. Water.

September 10—10:25 P. M. Box 234.

No. 407 East Oak street. 1½-story frame; owned by West & Kadderly; occupied by C. Kadderly as stable; cause of fire, lamp exploded. Loss on contents, \$10. Water.

September 10—10:25 P. M. Box 234.

No. 409 East Oak street. 2-story frame; owned by Joseph Paquet; occupied by Goon Sing as laundry; cause of fire, lamp exploded. Loss on building, \$100. Water.

September 13—5:30 P. M. Still.

Corner Union avenue and Belmont street. Rubbish; owned and occupied by city as dump; cause of fire, spontaneous combustion. Water.

September 14—4 P. M. Box 72.

No. 393 Water street. 2-story frame; owned and occupied by F. F. Boody as dwelling; cause of fire, sparks from chimney. Loss on building, \$450; on contents, \$500; building insured for \$1,200; contents, \$700; insurance paid on building, \$450; on contents, \$500. Water.

September 17—3:30 A. M. Still.

Corner Thirty-sixth and Clinton streets. 1-story frame; owned and occupied by Thomas Edmonds as dwelling; cause of fire, unknown. Loss on building, \$2,000; building insured for \$2,000; insurance paid on building, \$2,000. No work.

September 21—3:25 A. M. Telephone.

No. 383 Eleventh street. 2-story frame; owned and occupied by H. F. Hudson as dwelling; cause of fire, defective flue. Loss on building, \$1,466; on contents, \$1,500; building insured for \$3,000; contents, \$2,000; insurance paid on building, \$1,466; on contents, \$1,500. Chemical and water.

September 21—3:30 A. M. Box 36.

No. 383 Eleventh street. 2-story frame; owned and occupied by H. F. Hudson as dwelling; cause of fire defective flue. Chemical and water.

September 21—4:53 P. M. Box 67.

No. 793 Johnson street. 2-story frame; owned by A. N. King; occupied by E. R. Morris as dwelling; cause of fire, sparks from chimney. Loss on building, \$10; building insured for \$1,400; insurance paid on building, \$10. Babcock.

September 24—3:10 P. M. Telephone.

No. 54 Sixteenth street North. 2½-story frame; owned by H. B. Chase; occupied by P. F. Du Flon as dwelling; cause of fire, unknown. Building insured for \$3,000; contents, \$4,000. No work.

September 24—4:35 P. M. Telephone.

Corner First and Flanders streets. Vacant lot; owned by Dolph & Koehler; occupied as dump; cause of fire, spontaneous combustion. Water.

September 25—2:25 P. M. Box 26.

No. 350 Savier street. 3-story frame; owned by Northern Counties Investment Co.; occupied by John Wilson as hotel; cause of fire, defective flue. Loss on building, \$6; building insured for \$3,000; insurance paid on building, \$6. Babcock.

September 25—5:30 P. M. Still.

Corner Third and Hawthorne streets. City dump; cause of fire, spontaneous combustion. Water.

September 26—9:15 P. M. Still.

No. 475 Washington street. 2-story frame; owned by P. Van Friedagh; occupied by L. Russell as boarding house; cause of fire, curtains on fire. Loss on contents, \$7.50; building insured for \$3,000; contents, \$1,000. No work.

September 27—2:50 P. M. Box 15.

Nos. 1, 3 and 5 North Front street. 3-story brick; owned by Dekum Estate; occupied by Peters & Roberts as furniture store; cause of fire, electric wires. Building insured for \$10,000; contents, \$10,000. Chemical.

September 27—6:52 P. M. Still.

Nos. 1, 3 and 5 Front street North. 3-story brick; owned by Dekum Estate; occupied by Peters & Roberts as furniture store; cause of fire, electric wires. Chemical.

September 27—7:36 A. M. Telephone.

No. 223½ First street. 3-story brick; owned by C. E. Smith; occupied by W. P. Hutson as lodging house; cause of fire, oil stove. Loss on building, \$97; on contents, \$25; building insured for \$17,000; contents, \$1,000; insurance paid on building, \$97; on contents, \$25. Chemical.

September 29—7:45 P. M. Box 53.

No. 370 Morrison street. 1-story frame; owned by Mrs. E. Bennett; occupied by C. Pater as laundry; cause of fire, lamp exploded. Loss on building, \$25; on contents, \$100. Babcock.

September 30—4:45 P. M. Box 53.

No. 168 Park street. 2-story frame; owned and occupied by F. Henshaw as dwelling; cause of fire, oil stove. Loss on building, \$25; on contents, \$25; building insured for \$1,500; insurance paid on building, \$25. Babcock.

October 1—12:55 A. M. Box 31.

No. 691 Second street. 1-story frame; owned by J. S. Caples; occupied by Mrs. R. Cushner as dwelling; cause of fire, unknown. Loss on building, \$250; on contents, \$289.50; building insured for \$300; contents, \$600; insurance paid on building, \$250; on contents, \$289.50. Chemical and water.

October 4—10:30 A. M. Box 39.

N. 410 First street. 2-story frame; owned by J. Risaker; occupied by M. Barde as dwelling; cause of fire, sparks from chimney. Loss on building, \$343.50; on contents, \$123.95; building insured for \$500; contents, \$300; insurance paid on building, \$343.50; on contents, \$123.95. Chemical and water.

October 6—8:15 P. M. Box 64.

No. 614 Pettygrove street. 2-story frame; owned and occupied by W. L. Panburn as dwelling; cause of fire; sparks from chimney. Loss on building, \$4. Buckets water.

October 8—7:30 P. M. Telephone.

Piedmont. 2-story frame; owned by Piedmont Association; occupied by F. N. Stoppenbach as dwelling; cause of fire, burning flue. Contents insured for \$900. No loss.

October 9—10 P. M. Telephone.

Woodlawn. Wood pile; owned by city; used by Woodlawn School; cause of fire, unknown.

October 10—8:15 A. M. Box 271.

Corner Nineteenth and Rhine streets. 1-story frame; dwelling; cause of fire, defective flue. Buckets water.

October 12—9:46 A. M. Box 37.

No. 594 Fourth street. 2-story frame; owned by T. McNamee; occupied by W. Joyce as dwelling; cause of fire, burning flue. No work.

October 12—12:54 P. M. Box 54.

No. 8 Fourth street North. 2-story frame; owned by Mrs. E. Dillon; occupied by Mrs. M. Specg as dwelling; cause of fire, sparks from chimney. Loss on building, \$10; building insured for \$1,000; insurance paid on building, \$10. Buckets water.

October 12—8:45 P. M. Still.

No. 11 First street. 2-story brick; owned by Thompson, Russell & Co.; occupied by Wakeman & Morse Transfer Co. as office; cause of fire, defective hearth. Loss on building, \$65; building insured for \$1,000; insurance paid on building, \$65. Chemical.

October 12. Telephone.

Corner Union avenue and Belmont street. City dump; cause of fire, ashes. Water.

October 13—11:45 A. M. Telephone.

No. 306 Stark street. 1½-story frame; owned by H. W. Corbett; occupied by Ah Sing as dwelling; cause of fire, sparks from chimney. Loss on building, \$3. Buckets water.

October 13—3:35 P. M. Still.

No. 471 Flanders street. 1-story frame; owned by Charles Barnard; occupied by Joseph O'Donnell as dwelling; cause of fire, burning grease. Building insured for \$500. No work.

October 14—12:15 A. M. Telephone.

No. 403 Second street. 2-story frame; owned by C. H. Dodd; occupied by W. P. Hancock as dwelling; cause of fire, defective flue. Loss on building, \$100; on contents, \$20; building insured for \$4,000; contents, \$3,000; insurance paid on building, \$100; on contents, \$20. Chemical.

October 14—1:55 P. M. Telephone.

No. 330 Park street. 2-story frame; owned by H. W. Riley; occupied by W. Cake as dwelling; cause of fire, burning candle. Loss on building, \$75; on contents, \$138.55; building insured for \$1,000; contents, \$1,100; insurance paid on building, \$75; on contents, \$138.55. Chemical.

October 15—2:05 P. M. Telephone.

No. 295 Salmon street. 2-story frame; owned by B. L. Stone; occupied by Mrs. J. Gordon as dwelling; cause of fire, sparks from chimney. Loss on building, \$5. Buckets water.

October 15—6:15 P. M. Telephone.

No. 243 W. Park street. 3-story frame; owned and occupied by W. M. Ladd as dwelling; cause of fire, burning flue. No work.

October 15—12:30 P. M. Still.

Corner Ninth and East Mill streets. 1-story frame; owned and occupied by Free Methodist Church as church; cause of fire, sparks from chimney. Loss on building, \$10; building insured for \$1,000; insurance paid on building, \$10. Babcock.

October 16—6:42 A. M. Box 326.

No. 288 Beech street. 1-story frame; owned and occupied by C. A. Frazier as wood shed; cause of fire, overheated stove. Loss on building, \$25; on contents, \$75; insurance on building, \$700; insurance paid on building, \$25; on contents, \$75. Chemical and water.

October 17—1:30 A. M. Box 142.

No. 167½ Davis street; 1-story frame; owned by Peter Taylor; occupied by Miss Louise as dwelling; lamp explosion. Loss on building, \$26.05; on contents, \$200; building insured for \$100; insurance paid on building, \$26.05. Chemical.

October 19—9:05 P. M. Box 13.

No. 105 Front street. 3-story brick; owned by Mrs. E. Bennett; occupied by Portland Lithograph Co. as office; cause of fire, defective stove pipe. Loss on contents, \$800; contents insured for \$1,500; insurance paid on contents, \$586. Chemical and Water.

October 19—9:05 P. M. Box 13.

No. 105 Front street. 3-story brick; owned by Mrs. E. Bennett; occupied by John Clark as warehouse; cause of fire, defective stove pipe. Loss on contents, \$74; contents insured for \$2,800; insurance paid on contents, \$74. Chemical and water.

October 19—9:05 P. M. Box 13.

No. 105 Front street. 3-story brick; owned by Mrs. E. Bennett; occupied by F. A. Jones as warehouse; cause of fire, defective stove pipe.

October 23—7:35 P. M. Box 218.

No. 27 East Fifteenth street. 1½-story frame; owned by Mrs. Clark; occupied by G. Buchaltz as dwelling; cause of fire, burning flue. No work.

October 27—5:55 P. M. Box 13.

No. 242 Washington street. 6-story brick; owned by Portland Savings Bank; occupied by Commercial Block as office building; cause of fire, burning flue. Building insured for \$100,000. No work.

November 1—7:15 P. M. Telephone.

No. 54 Sixteenth street North. 2½-story frame; owned by H. B. Chase; occupied by P. F. Du Flon as dwelling; cause of fire, burning flue. Building insured for \$3,000; contents, \$4,000. No work.

November 6—5:30 P. M. Still.

No. 207 Twenty-second street North. 2-story frame; owned and occupied by James Gleason as dwelling; cause of fire, burning flue. Building insured for \$3,000; contents, \$2,900. No work.

November 10—12:30 P. M. Still.

No. 302 Russell street. 2-story frame; owned by Lizzie A. White; occupied by J. F. Wilson as dwelling; cause of fire, hot ashes. Loss on building, \$16.80; building insured for \$2,000; insurance paid on building, \$16.80. Babcock.

November 11—11:30 A. M. Telephone.

No. 392 East Oak street. 2-story frame; owned by J. F. Alex. Mayer; lodging house; cause of fire, falling floor. No work.

November 11—7:40 A. M. Box 523.

No. 30½ Washington street. False alarm.

November 14—6 P. M. Box 71.

No. 872 Corbett street. 1-story frame; owned by J. Zumwalt; occupied by E. Shattuck as dwelling; cause of fire, burning flue. Babcock.

November 15—6:08 A. M. Box 91.

False alarm.

November 17—2:20 P. M. Telephone.

No. 89 Fifteenth street North. 1½-story frame; occupied by W. Swope as dwelling; cause of fire, defective flue. Loss on building, \$16.45; building insured for \$2,000; insurance paid on building, \$16.45. Buckets water.

November 20—7:30 P. M. Box 235.

No. 66½ Grand avenue. 3-story brick; owned and occupied by H. D. Winters as lodging house; false alarm. Building insured for \$4,000. No work.

November 21—11:45 A. M. Box 42.

No. 773 Savier street. 2-story frame; owned by John Mardorf; occupied by J. J. Englehart as saloon; cause of fire, choked flue. Building insured for \$400; contents, \$1,000. No work.

November 23—Box 72.

No. 995 Kelly street. 1-story frame; owned by J. Kerrigan; occupied by G. Dunn as dwelling; cause of fire, burning flue. No work.

November 25—10:15 P. M. Box 74.

False alarm.

November 29—12:36 A. M. Still.

No. 269 Stark street. 8-story brick; owned by Chamber of Commerce; occupied by Chamber of Commerce and as office building; cause of fire, waste paper box. Loss on building, \$130; building insured for \$250,000; insurance paid on building, \$130. Chemical.

November 29—9:05 A. M. Box 64.

No. 625 Overton street. 2-story frame; owned by Mrs. M. Trevett; occupied by Mrs. Lembach as dwelling; cause of fire, burning flue. Building insured for \$1,000. No work.

November 30—6:23 A. M. Still.

No. 273 Morrison street. 3-story brick; owned by S. Blumauer; occupied by Swetland & Son as confectionery; cause of fire, defective oven foundation. Loss on building, \$1,933; on contents, \$2,772; building insured for \$40,000; contents, \$5,000; insurance paid on building \$1,933; on contents, \$2,772. Water.

November 30—6:50 A. M. Box 132.

No. 273 Morrison street. 3-story brick; owned by S. Blumauer; occupied by Swetland & Son as confectionery; cause of fire, defective oven foundation.

November 30—6:50 A. M. Box 132.

Nos. 269 and 271 Morrison street. 3-story brick; owned by S. Blu-

mauer; occupied by A. J. Prager & Son as clothing store. Loss on contents, \$400; contents insured for \$23,000; insurance paid on contents, \$400. Water.

November 30—6:50 A. M. Box 132.

No. 271½ Morrison street. 3-story brick; owned by S. Blumauer; occupied by Mary Harnett as rooming house. Loss on contents, \$100; contents insured for \$250; insurance paid on contents, \$100.

November 30—6:50 A. M. Box 132.

No. 275 Morrison street. 3-story brick; owned by S. Blumauer; occupied by Seely, Mason & Co. as grocery store. Loss on contents, \$230; contents insured for \$11,000; insurance paid on contents, \$230.

November 30—6:50 A. M. Box 132.

No. 148 Fourth street. 3-story brick; owned by S. Blumauer; occupied by P. Lorati as saloon. Loss on contents, \$600; contents insured for \$2,000; insurance paid on contents, \$600.

November 30—6:50 A. M. Box 132.

No. 148 Fourth street. 3-story brick; owned by S. Blumauer; occupied by Blumauer-Frank Drug Co. as wareroom. Loss on contents, \$602; contents insured for \$2,000; insurance paid on contents, \$602.

November 30—6:50 A. M. Box 132.

No. 144 Fourth street. 3-story brick; owned by John Wilson; occupied by Blumauer-Frank Drug Co. as wholesale drug store. Loss on contents, \$3,912.50; building insured for \$10,500; contents insured for \$156,000; insurance paid on contents, \$3,912.50.

December 2—9:02 P. M. Still.

No. 43½ Third street. 2-story frame; owned by R. R. Thompson; occupied by Mrs. M. Keith as lodging house; cause of fire, burning flue. building insured for \$1,800. No work.

December 2—10:10 P. M. Box 142.

No. 266 Davis street. 3-story frame; owned by Breyman & Sum-

merville; occupied by N. G. Matheny as lunch room; cause of fire, burning flue. Building insured for \$20,000. No work.

December 3—4:40 P. M. Box 47.

No. 101 Eighteenth street North. 1½-story frame; owned by Russell & Blyth; occupied by H. C. Fenton as dwelling; cause of fire, burning flue. Building insured for \$1,800; contents insured for \$1,000. Buckets water.

December 3—10 P. M. Telephone.

No. 330 Seventh street. 1½-story frame; owned and occupied by A. Shockley as dwelling; cause of fire, burning flue. No work.

December 4—6:30 P. M. Telephone.

No. 9 Second street. 3-story brick; owned by Closset & Mackintosh; occupied by Closset & Devers as tea and spice store; cause of fire, unknown. Building insured for \$1,000; contents, \$32,500. Buckets water.

December 5—7:35 P. M. Telephone.

No. 308 Madison street. 2-story frame; owned by R. Williams; occupied by Model Laundry as laundry; cause of fire, burning flue. No work.

December 5—12:05 P. M. Box 54.

No. 9 Second street. 3-story brick; owned by Closset & Mackintosh; occupied by Clossett & Devers, as tea and spice store; cause of fire, defective roasting furnace. Loss on building, \$1,400; on contents, \$31,851.84; building insured for \$1,000; contents insured for \$32,500; insurance paid on building, \$1,000; on contents, \$31,051.84. Water.

December 5—12:05 P. M. Box 54.

No. 240 Burnside street. 3-story brick; owned by Clossett & Mackintosh; occupied by Clossett & Devers, as tea and spice store; cause of fire, defective roasting furnace. Loss on building, \$185; on contents, \$11,980; building insured for \$1,000; contents insured for \$14,500; insurance paid on building, \$185; on contents, \$11,980. Water.

December 5—12:05 P. M. Box 54.

No. 246 Burnside street. 3-story brick; owned by Clossett & Mackintosh; occupied by T. Yamada as restaurant; cause of fire, defective roasting furnace. Loss on building, \$1,019; on contents, \$2.50; building insured for \$1,000; insurance paid on building, \$1,000. Water.

December 5—12:05 P. M. Box 54.

No. 240 Burnside street. 3-story brick; owned by Clossett & Mackintosh; occupied by Fred Fritz as saloon; cause of fire, defective roasting furnace. Loss on contents, \$350; contents insured for \$2,300; insurance paid on contents, \$350. Water.

December 9—4:45 P. M. Box 213.

No. 410 East Main street. 1½-story frame; owned by Hawthorn estate; occupied by C. Fliedner as dwelling; cause of fire, lamp exploded. No work.

December 12—9:35 A. M. Box 135.

No. 126½ Sixth street. 2-story frame; owned by Drs. Brown; occupied by W. H. Balda as lunch room; cause of fire, gasoline lamp explosion. Loss on building, \$1,800; on contents, \$100; building insured for \$400; insurance paid on building, \$400. Water.

December 12—9:35 A. M. Box 135.

No. 128 Sixth street. 2-story frame; owned by Drs. Brown; occupied by Electric Laundry Co. as office; cause of fire, gasoline lamp exploded. Loss on contents, \$150. Water.

December 12—9:35 A. M. Box 135.

No. 128 Sixth street. 2-story frame; owned by Drs. Brown; occupied by R. E. Lea as bicycle shop; cause of fire, gasoline lamp exploded. Loss on contents, \$350. Water.

December 12—9:35 A. M. Box 135.

No. 126. Sixth street. 2-story frame; owned by Drs. Brown; occupied by Phillips Trunk Factory as trunk factory; cause of fire, gasoline lamp exploded. Loss on contents, \$500. Water.

December 12—9:35 A. M. Box 135.

No. 126. Sixth street. 2-story frame; owned by Drs. Brown; occupied by Computing Scale Co. as salesroom; cause of fire, gasoline lamp exploded. Loss on contents, \$668.30; contents insured for \$550; insurance paid on contents, \$517. Water.

December 12—9:35 A. M. Box 135.

No. 124 Sixth street. 2-story frame; owned by Drs. Brown; occupied by Unique Tailoring Shop as tailor shop; cause of fire, gasoline lamp exploded. Loss on contents, \$1,500; contents insured for \$1,000; insurance paid on contents, \$1,000. Water.

December 12—9:35 A. M. Box 135.

No. 122½ Sixth street. 2-story frame; owned by Drs. Brown; occupied by Ralph Michael as photo gallery; cause of fire gasoline lamp explosion. Loss on contents, \$400. Water.

December 12—9:35 A. M. Box 135.

No. 128 Sixth street. 2-story frame; owned by Drs. Brown; occupied by Economy Gas Lamp Co. as office; cause of fire, gasoline lamp explosion. Loss on contents, \$500; insurance on contents, \$400; insurance paid on contents, \$300. Water.

December 12—7:20 P. M. Telephone.

No. 264 Park street. 2-story frame; owned by S. Myers; occupied by Mrs. S. Norby as dwelling; cause of fire, burning flue. No work.

December 13—9:10 A. M. Box 123.

No. 226 First street. 2-story frame; owned by Alliance Trust Co.; occupied by S. Richter as clothing store; cause of fire unknown. Loss on building, \$243.20; on contents, \$2,500; building insured for \$1,500; contents, \$2,500; insurance paid on building, \$243.20; on contents, \$2,500. Chemical and water.

December 15—2:10 A. M. Box 142. •

No. 60 Fourth street, N. 2-story frame; owned by Peter Taylor; occupied by Mrs. M. L. Smith as saloon and dwelling; cause of fire,

electric wires. Loss on contents, \$38.53; building insured for \$900; contents insured for \$1,000; insurance paid on contents, \$38.53. No work.

December 18—6:45 A. M. Box 142.

False alarm.

December 19—9:15 P. M. Still.

No. 1041 Belmont street. 1-story frame; owned and occupied by S. D. Weeks as dwelling; cause of fire, burning flue. No work.

December 19—9:22 P. M. Box 142.

No. 267½ Davis street; 1-story frame; owned by Peter Taylor; occupied by Miss Louise as dwelling; cause of fire, burning flue. Building insured for \$100. No work.

December 19—10:35 P. M. Box 12.

No. 260 Front street. 4-story brick; owned by Meade estate; occupied by Fisher, Thorsen & Co. as paint store; cause of fire, defective flue. Loss on building, \$446; on contents, \$5,877; building insured for \$13,000; contents, \$58,750; insurance paid on building, \$446; on contents, \$5,877. Chemical and water.

December 20—9:56 P. M. Box 142.

No. 270 Everett street. 1-story frame; owned by R. Williams; occupied by F. Fagima as dwelling; cause of fire, defective flue. Loss on building, \$7; on contents, \$2. Buckets water.

December 21—7:30 A. M. Still.

No. 387 East Pine street. 2-story frame; owned and occupied by E. Muelig as bakery; cause of fire, defective flue. Loss on building, \$5; building insured for \$1,200; contents, \$300. Chopped out.

December 22—7:55 P. M. Box 12.

No. 215 Morrison street. 2-story frame; owned by Mrs. E. M. Smith; occupied by F. Valentine as bootblack stand; cause of fire, lamp exploded. Loss on contents, \$6. No work.

December 27—8:15 P. M. Box 29.

False alarm.

December 29—3:45 P. M. Telephone.

No. 325 Madison street. 1-story frame; owned by J. Burke; occupied by Mrs. B. Cone as dwelling; cause of fire, burning flue. No work.

December 29—5:45 A. M. Still.

No. 502 Washington street. 1-story shed; owned and occupied by Chas. Schmidt as smokehouse; cause of fire, sparks from stove. Loss on contents, \$2.50. Garden hose.

Annual Report of Engine Co. No. 1, for Year Ending Dec. 31, 1899.

Location, 170 Fourth Street.

Badge	Name	Position	Occupation	Age	Residence
.	S. Creighton	Foreman	Lineman	35	170 Fourth street
.	Henry McMullen	Engineer	Engineer	52	170 "
.	Geo. Baldwin	Driver	Teamster	38	170 "
.	Chas. Anderson	Driver	Teamster	29	170 "
.	Wm. O'Brien	Extraman	Roofer	23	170 "
.	C. Marceill	Extraman	Plasterer	44	170 "
.	Bert Eides	Extraman	Blacksmith	33	170 "
.	W. H. Walgnot	Extraman	Dentist	28	170 "

No. of alarms responded to: Bell, 72; Telephone, 29; Still, 1. Hours in service, 66:52.

Appointments: S. Creighton as foreman; W. H. Walgnot as extraman.

Resignations: Geo. H. Wemple, Emmet Eller.

Accidents at Fires: C. Marceill, rib broken.

Inventory: One second-class Clapp & Jones engine, 4 horses, double hitch complete, one hose wagon double hitch fully equipped, 2050 feet $2\frac{3}{4}$ inch cotton hose.

Annual Report of Engine Co. No. 3, for Year Ending Dec. 31, 1899.

Location, Washington Street, bet. 15th and 16th.

Badge	Name	Position	Occupation	Age	Residence
23	W. Winter	Foreman	Upholsterer	40	544 Taylor
24	W. Washer	Engineer	Engineer	66	Engine House
25	D. J. Merwin	Driver of Engine	Teamster	28	"
26	B. Rosenthal	Driver of Hose Cart	Teamster	27	"
27	J. McCloud	Extraman	Janitor	28	"
30	V. Ritter	Extraman	Teamster	30	129 Twelfth
34	H. Peterson	Extraman	Gas Fitter	30	Engine House
18	G. Connally	Extraman	Plumber	31	472 Burnside

No. of alarms responded to: Bell, 137; Telephone, 5; Still, 8; Hours in service 61.

Appointments: W. Elwanger, H. Peterson.

Transfer: V. Ritter, from Hose 6; D. J. Merwin, from Engine 7; P. J. Mellis, to Hose 6.

Resignations: B. Shulte, W. Elwanger, W. Harrow.

Inventory: 1 fourth-class Silsby engine fully equipped, 3 horses, 1 double set of harness, 1 single set of harness, 1 two-wheeled hose cart, 1600 feet of cotton hose.

Annual Report of Engine Co. No. 4, for Year Ending Dec. 31, 1899.

Location, East side of 4th St., bet. Mill and Montgomery.

Badgc	Name	Position	Occupation	Age	Residence
33	J. Simpson	Foreman	Trimmer	33	425 Fifth
34	B. Webb	Engineer	Engineer	34	Engine House
35	J. Field	Engine Driver	Teamster	44	369 Third
36	J. Fraser	Cart Driver	Teamster	33	Engine House
37	H. Wise	Extraman	Plumber	31	268 Market
38	J. Wendorf	Extraman	Groceryman	29	Engine House
39	F. C. Baird	Extraman	Trimmer	38	"
40	E. Krause	Extraman	Cementer	43	208 Sheridan

No. of alarms responded to: Bell, 71; Telephone, 18. Hours in service 78.

Appointments: James Fraser, E. Krause.

Transfers: F. Harmar to Engine 5.

Resignations: John Kingsley.

Inventory: 1 third-class Clapp & Jones engine, 1 two-wheeled hose cart, 1800 feet cotton hose, 3 horses, 1 double and 1 single set of harness.

Annual Report of Engine Co. No. 5, for Year Ending Dec. 31, 1899.

Location, 811 Front Street.

Badge	Name	Position	Occupation	Age	Residence
79	F. E. Harmar	Foreman	Electrician	25	820 Water
80	C. H. Feldman	Engineer	Engineer	32	805 Front
81	F. Capen	Engine Driver	Teamster	32	205 Whitaker
82	L. Riley	Hose Driver	Teamster	36	813 1/2 Front
85	F. Hobkirk	Pipeman	Tinner	23	875 Corbett
87	Theo. Senn	Pipeman	Plumber	34	652 First
84	Geo. Capen	Pipeman	Salesman	28	811 Front
88	W. Ryan	Pipeman	Mason	22	727 Hood

No. alarms responded to: Bell, 27; Still, 7. Hours in service 30:10.

Transfers: F. Harmar, from Engine 4.

Resignations: B. F. Jones.

Inventory: 1 fourth-class Amoskeag engine, 1 hose wagon, 4 horses, 1500 feet cotton hose, 100 feet rubber hose, 2 sets double harness, two 10 gallon Babcocks.

Annual Report of Engine Co. No. 7, for Year Ending Dec. 31, 1899.

Location, Third and East Pine Streets.

Badge	Name	Position	Occupation	Age	Residence
109	W. Smith	Foreman	Cabinet Maker	32	Engine House
110	G. Stewart	Engineer	Engineer	45	"
111	W. Morrison	Teamster	Teamster	33	"
112	S. Penney	Teamster	Teamster	27	"
113	F. Robinson	Extraman	Machine hand	55	26 East Third
117	A. Powell	Extraman	Barber	32	Engine House
117	F. Roberts	Extraman	Merchant	23	"
115	J. McGrew	Extraman	Merchant	37	"

No. of alarms responded to: Bell, 33; Telephone, 8; Still 5. Hours in service 47:05.

Appointments: A. Smith, W. Morrison; E. Borden, J. McGrew, G. Stewart.

Transfers: L. Merwin, to Engine 3; E. Borden, to Hose 3.

Resignations: W. Everson; Went May, J. Penney.

Removals: A. Smith.

Inventory: 1 fourth-class Waterous engine, 1 hose wagon, 4 horses, 2 sets harness, 1950 feet cotton hose.

Annual Report of Engine Co. No. 8, for Year Ending Dec. 31, 1899.

Location, 287 Russell Street.

Badge	Name	Position	Occupation	Age	Residence
119	M. A. McEachern	Foreman	Grocer	36	570 Borthwick
120	E. G. Fanning	Engineer	Machinist	31	Engine House
158	L. P. Brown	Engine Driver	Teamster	44	"
122	O. Russell	Hose Driver	Teamster	25	"
123	N. R. Donlan	Extraman	Machinist	28	Cor. Russell and Rodney
124	C. E. Orr	Extraman	Cigar dealer	36	298 1/2 Russell
125	Geo. Smith	Extraman	Carpenter	38	734 Albina
126	J. F. Wilson	Extraman	Carpenter	37	298 1/2 Russell

No. of alarms responded to: Bell, 13; Telephone, 5. Hours in service 13:44

Appointments: E. G. Fanning.

Transfers: J. F. Wilson, from Chemical 3.

Resignations: J. S. Menefee.

Removals: G. B. Leach.

Inventory: 1 third-class Clapp & Jones engine, 1 hose wagon, 4 horses, 2 double set harness, 1400 feet cotton and 150 feet rubber hose.

Annual Report of Hook and Ladder Co. No. 1, for Year Ending Dec. 31, 1899.

Location, 168 Fourth Street.

Badge	Name	Position	Occupation	Age	Residence
43	Thos. Parkinson	Foreman	Longshoreman	31	Truck House
44	Charles Anderson	Driver	Teamster	29	"
45	S. Glendon	Extramman	Floorman	32	"
46	M. G. Duffy	Extramman	Lineman	38	"
47	A. G. McClane	Extramman	Lineman	36	"
48	W. H. Garvin	Extramman	Lineman	29	"
49	F. Dowell	Extramman	Boiler maker helper	29	"
50	J. W. Sweeney	Extramman	Roofer	37	"
51	W. Asplund	Extramman	Lineman	24	"
52	J. Kincaid	Extramman	Lineman		"

No. of alarms responded to: Bell, 47; Telephone, 33; Still, 3. Hours in service 59.

Appointments: Thos. Parkinson, Stewart Creighton, Wm. Garvin, Chas. Anderson.

Transfers: Stewart Creighton, to Engine 4.

Resignations: A. G. Stephan, A. Richardson.

Inventory: 1 first-class Hayes hook and ladder complete, 3 horses, 3 single sets harness.

Annual Report of Hook and Ladder Co. No. 2, for Year Ending Dec. 31, 1899.

Location, No. 368 4th St., bet. Mill and Montgomery.

Badge	Name	Position	Occupation	Age	Residence
69	W. M. Ransdell	Foreman	Blacksmith	30	Truck House
70	O. F. Hussey	Driver	Teamster	45	"
71	W. Bubb	Extraman	Teamster	25	"
72	C. W. Ryan	Extraman	Carpenter	39	"
73	W. A. Groce	Extraman	Teamster	30	"
74	C. W. Smith	Extraman	Carpenter	24	"
75	R. Canuto	Extraman	Clerk	24	"
76	W. R. Castleman	Extraman	Electrician	29	"

No. of alarms responded to: Bell, 60; Telephone, 19. Hours in service 55:50

Appointments: C. W. Smith.

Transfers: J. Frazer, to Engine 4.

Resignations: F. J. Foley.

Inventory: 1 second class Hayes hook and ladder, 3 horses, hitch fully equipped.

Annual Report of Hook and Ladder Co. No. 3, for Year Ending Dec. 31, 1899.

Location, Glisan St., bet. Fourteenth and Fifteenth.

Badge	Name	Position	Occupation	Age	Residence
95	T. D. Richardson	Foreman	Engineer	34	Truck House
100	G. W. Stokes	Driver	Teamster	33	"
103	E. Parker	Extraman	Lineman	33	"
104	E. Walsh	Extraman	Painter	23	"
105	L. Fried	Extraman	Butcher	28	"
106	R. B. Castle	Extraman	Harness maker	23	"
107	W. M. St Clair	Extraman	Teamster	28	"
108	W. Myers	Extraman	Teamster	23	"

No. of alarms responded to: Bell, 43; Telephone, 15; Still, 5. Hours in service 92.

Appointments: R. B. Castle, Z. Elliott, W. Meyer.

Transfers: G. W. Stokes, from Chemical No. 1; W. M. St. Clair, to Hose 6; Z. Elliott, to Chemical 2; W. M. St. Clair, from Hose 6.

Resignations: J. A. Buchtel, B. King, A. Mulch.

Inventory: 1 third-class Hayes hook and ladder, fully equipped; 2 horses and harness.

Annual Report of Hook and Ladder Co. No. 4, for Year Ending Dec. 31, 1899.

Location, Holladay Avenue, bet. Union and Grand.

Badge	Name	Position	Occupation	Age	Residence
145	W. B. Sloan	Foreman	Electrician	31	Truck House
146	W. D. Heath	Driver	Teamster	31	"
147	C. P. Campbell	Extraman	Warehouseman	27	"
149	R. Gee	Extraman	Carpenter	36	"
150	H. Lokey	Extraman	Plumber	31	311 Cherry
151	C. Jacobsen	Extraman	Lineman	37	66 East Ninth
153	M. Corliss	Extraman	Boiler maker	24	Grand Ave. and Davis
154	G. C. Parrott	Extraman	Longshoreman	26	Truck House

No. of alarms responded to: Bell, 43; Telephone, 2. Hours in service 45

Appointments: C. M. Brody, C. P. Campbell.

Transfers: F. N. McMahan.

Resignations: C. M. Brody.

Inventory: 1 third-class Hayes hook and ladder, 3 horses and harness, complete

Annual Report of Hose Co. No. 1, for Year Ending Dec. 31, 1899.

Location, 69 Second Street.

Badge	Name	Position	Occupation	Age	Residence
53	M. J. Driscoll	Foreman	Fireman	33	Hose House
54	William Brown	Driver	Teamster	39	"
55	M. O'Brien	Extraman	Teamster	26	"
57	M. McNulty	Extraman	Longshoreman	34	"
59	J. F. Hickey	Extraman	Teamster	24	"
56	Rob't King	Extraman	Plumber	34	"

No. of alarms responded to: Bell, 77; telephone, 22; still, 10. Hours in service, 79:15.

Appointments: Walter H. Ellwanger, Wm. Gerdes, John Hannigan, Robert King.

Transfers: Walter H. Ellwanger to Engine 3, Wm. Gerdes to Hose 6.

Resignations: Fred Rose, J. Hannigan.

Accidents: M. McNulty, hand cut.

Inventory: One hose wagon, 900 feet cotton hose, two horses, one set double harness.

Annual Report of Hose Co. No. 2, for Year Ending Dec. 31, 1899.

Location, First Street, bet. Madison and Jefferson.

Badge	Name	Position	Occupation	Age	Residence
•••	W. R. Kerrigan	Foreman	Stone Mason	36	Hose House
•••	J. H. Price	Driver	Teamster	30	"
•••	Geo. Zeller	Extraman	Porter	46	"
•••	A. T. Mills	Extraman	Shoe Maker	37	"
•••	Geo. Kronenberg	Extraman	Clerk	23	"
•••	W. A. Wynkoop	Extraman	Tinner	23	"

No. of alarms responded to: Bell, 75; telephone 21, still, 4. Hours in service, 91:30.

Appointments: J. H. Price, W. A. Wynkoop.

Transfers: J. H. Price from Hose 6.

Resignations: Ed. Stocklien.

Inventory: One Hose Wagon, 1800 feet cotton hose, two horses, and harness.

Annual Report of Hose Co. No. 3, for Year Ending Dec. 31, 1899.

Location, 367 East 7th St., bet. Harrison and Stephens.

Badge	Name	Position	Occupation	Age	Residence
129	H. M. Burt	Foreman	Expressman	37	380 East Tenth
130	E. V. Borden	Driver	Teamster	28	367 East Seventh
161.	J. E. Wolff	Extraman	Dranghtsman	27	450 East Sherman
133	D. S. Painter	Extraman	Cabinetmaker	31	326 East Seventh
136	H. N. Reibenstein	Extraman	Bicycle repairer	29	365 East Seventh
134	C. H. Phillips	Extraman	Salesman	29	373 East Seventh

No. of alarms responded to: Bell, 23; Telephone, 2; Still, 6. Hours in service, 24:55.

Transfers: E. V. Borden from Engine 7.

Resignations: W. G. Lang.

Inventory: One Amoskeag hose carriage, 1300 feet of cotton hose, two horses, one set double harness.

Annual Report of Hose Co. No. 5, for Year Ending Dec. 31, 1899.

Location, 35th and Belmont Streets.

Badge	Name	Position	Occupation	Age	Residence
147	C. R. Fleming	Foreman	Painter	42	1068 East Taylor
	John T. Bodwell	Driver	Teamster	40	271 East 34th

No. of alarms responded to: Bell, 1; still, 9; hours in service, 6.

Inventory: One 4-wheel hose carriage, 950 feet of hose.

Annual Report of Hose Co. No. 6, for Year Ending Dec. 31, 1899.

Location, 329 North 20th St., bet. Quimby and Raleigh.

Badge	Name	Position	Occupation	Age	Residence
89	A. W. Dolson	Foreman	Lather	33	Engine House
90	J. Gotcher	Driver	Teamster	31	"
91	F. Baldwin	Extraman	Woolman	26	"
93	J. A. Versteeg	Extraman	Teamster	30	"
97	W. R. Gerdes	Extraman	Pressman	30	"
98	P. J. Mellis	Extraman	Plumber	29	"

No. of alarms responded to: Bell 20; telephone, 6; still 5. Hours in service, 47:30.

Appointments: V. P. Ritter.

Transfers: J. H. Price from Hose 2; V. R. Ritter to Engine 3; C. O. Haines to Chemical 1; W. St. Clair from Truck 3; W. R. Gerdes from Hose 1; P. J. Mellis from Engine 3; W. St. Clair to Truck 3.

Inventory: One hose wagon fully equipped, 1600 feet of cotton hose, two horses, one double set of harness.

Annual Report of Chemical Co. No. 1, for Year Ending Dec. 31, 1899.

Location, No. 69 Second Street.

Badge	Name	Position	Occupation	Age	Residence
150	A. E. Austin	Foreman	Fireman	32	Engine House
151	Thos. Springer	Driver	Teamster	40	"
152	C. O. Haines	Pipeman	Fireman	25	"

No. of alarms responded to: Bell, 63; telephone 29; still, 6. Hours in service, 63:25.

Appointments: C. O. Haines, pipeman.

Transfers: Geo. W. Stokes from pipeman to driver, Truck 3.

Inventory: One double 80-gallon Champion Chemical Engine, 250 feet Chemical hose, two horses, one double set harness.

Annual Report of Chemical Co. No. 2, for Year Ending Dec. 31, 1899.

Location, 273 First St., near Jefferson.

Badge	Name	Position	Occupation	Age	Residence
153	Carl Evans	Foreman	Painter	28	309½ First
154	Archie Graham	Driver	Carpenter	33	Engine House
155	Zach S. Elliott	Pipeman	Porter	35	621 Jefferson

No. of alarms responded to: Bell, 63; telephone, 26; still, 4. Hours in service, 57:30.

Appointments: C. Evans, Z. S. Elliott.

Resignations: P. Manciett, H. Crisman.

Inventory: One double 60-gallon Champion Chemical Engine, 200 feet Chemical hose, two horses, one double set harness.

Annual Report of Chemical Co. No. 3, for Year Ending Dec. 31, 1899.

Location, 227 Union Avenue.

Badge	Name	Position	Occupation	Age	Residence
146	D. M. Lloyd	Foreman	Blacksmith	41	Engine House
148	Frank N. McMahan	Driver	Teamster	23	"
149	C. F. Neale	Pipeman	Carriagesmith	33	"

No. of alarms responded to: Bell, 32; telephone, 5; still, 1. Hours in service, 30:35.

Appointments: Frank N. McMahan.

Transfers: J. F. Wilson to Engine 8.

Inventory: One double 60-gallon Champion Chemical Engine, 200 feet Chemical hose, two horses, and harness.

Annual Report of Chemical Co. No. 4, for Year Ending Dec. 31, 1899.

Location, 1029 Union Avenue.

Badge	Name	Position	Occupation	Age	Residence
. . . .	E. A. Cadwell . . .	Foreman	Carpenter	38	1029 Union Ave
. . . .	Geo. Cadwell . . .	Driver . . . . .	. . . . .	17	"

No. of alarms responded to: Bell, 4; telephone, 3; still, 2. Hours in service, 7:30.

Inventory: One double 60-gallon Chemical Engine, 200 feet Chemical hose, two horses, 1 double set harness.

HYDRANTS.

NORTHERN DISTRICT.

Front and Alder, N W cor	Second and Oak, N W cor
Front and Washington, N W cor	Second and Ash, S W cor
Front and Stark, S W cor	Second and Ankeny, S E cor
Front and Oak, N W cor	Second and Burnside, N W cor
Front and Pine, S W cor	Second and Davis, S W cor
Front and Ash, S W cor	Third and Alder, N W cor
Front and Ankeny, S W cor	Third and Stark, S W cor
Front and Burnside, S W cor	Third and Oak, S E cor
Front and Couch, S W cor	Third and Pine, S W cor
Front and Davis, N W cor	Third and Ankeny, N W cor
Front and Everett, N W cor	Third and Burnside, S W cor
Front, between Glisan and Hoyt	Third and Couch, S W cor
Front, Second and Hoyt	Third and Davis, S W cor
Front and Irving, N W cor	Third and Everett, S W cor
O. R. & N. freight shed, S end	Third and Flanders, S W cor
O. R. & N. freight shed, midway	Fourth and Morrison, N E cor
O. R. & N. freight shed, N end	Fourth and Alder, S E cor
Front and Northrup, N W cor	Fourth and Washington, N E cor
Front and Pettygrove, S W cor	Fourth and Pine, S W cor
Front and Quimby, N W cor	Fourth and Couch, N E cor
Front and Raleigh, S W cor	Fourth and Davis, S W cor
Front and Savier, S W cor	Fourth and Everett, N E cor
Front and Thurman, S W cor	Fourth and Glisan, N E cor
Front and Upshur, N W cor	Fifth and Alder, N E cor
Front, Wilson and Seventeenth, S W cor	Fifth and Washington, N E cor
Front, Hull and Eighteenth, S W cor	Fifth and Oak, N E cor
Front and Reed, S W cor	Fifth and Ankeny, S E cor
Front and Colton, S W cor	Fifth and Couch, S E cor
Front and Rock, S W cor	Fifth and Everett, S E cor
North Pacific Mill Yard, 8 hydrants	Fifth and Flanders, N W cor
First and Washington, N E cor	Fifth and Hoyt, S E cor
First and Oak, N W cor	Sixth and Alder, N E cor
First and Pine, N W cor	Sixth and Washington, S W cor
First and Burnside, N E cor	Sixth and Stark, S W cor
First and Couch, S E cor	Sixth and Pine, S W cor
First and Everett, N W cor	Sixth and Couch, N W cor
First and Flanders, N E cor	Sixth and Glisan, N W cor
Second and Alder, S W cor	Sixth and Irving, N W cor
Second and Washington, N E cor	Seventh and Davis, S E cor
Second and Stark, S W cor	Seventh and Flanders, N W cor
	Seventh and Hoyt, N W cor
	Seventh and Johnson, S E cor

HYDRANTS—Continued.

Northern District.

Park and Alder, N E cor	Seventeenth and Marshall, N W cor
Park and Burnside, S W cor	Seventeenth and Upshur, N W cor
Park and Davis, S W cor	Seventeenth and Wilson, N W cor
Park and Glisan, N E cor	Eighteenth and Washington, N W cor
West Park and Washington, S W cor	Eighteenth and Everett, N W cor
Ninth and Hoyt, N E cor	Eighteenth and Irving, N W cor
Tenth and Alder, S W cor	Eighteenth and Kearney, N W cor
Tenth and Johnson, N E cor	Eighteenth and Overton, N E cor
Tenth and Lovejoy, S E cor	Eighteenth and Quimby, N E cor
Eleventh and Stark, S E cor	Eighteenth and Savier, S E cor
Eleventh and Burnside, N W cor	Nineteenth and Burnside, S E cor
Eleventh and Everett, S E cor	Nineteenth and Davis, S E cor
Eleventh and Flanders, N W cor	Nineteenth and Flanders, S E cor
Eleventh and Irving, S W cor	Nineteenth and Hoyt, S E cor
Twelfth and Davis, S E cor	Nineteenth and Johnson, S E cor
Twelfth and Glisan, S E cor	Nineteenth and Lovejoy, S E cor
Twelfth and Lovejoy, S E cor	Nineteenth and Northrup, S E cor
Twelfth and Northrup, S E cor	Nineteenth and Pettygrove, S E cor
Thirteenth and Flanders, N W cor	Nineteenth and Raleigh, S E cor
Thirteenth and Kearney, N W cor	Nineteenth and Thurman, N E cor
Fourteenth and Alder, S W cor	Nineteenth and Upshur, N E cor
Fourteenth and Washington, N W cor	Nineteenth and Wilson, S E cor
Fourteenth and Davis, S W cor	Nineteenth and Wilson, N E 100 feet
Fourteenth and Johnson, S W cor	Twentieth and Washington, N E cor
Fourteenth and Overton, S W cor	Twentieth and Everett, S E cor
Fourteenth and Quimby, S W cor	Twentieth and Irving, S E cor
Fourteenth and Savier, S W cor	Twentieth and Kearney, S E cor
Fifteenth and Davis, S W cor	Twentieth and Marshall, S E cor
Fifteenth and Flanders, S E cor	Twentieth and Quimby, N W cor
Fifteenth and Thurman, S W cor	Twentieth and Thurman, N W cor
Sixteenth and Washington, S W cor	Twenty-first and Flanders, S E cor
Sixteenth and Hoyt, N W cor	Twenty-first and Hoyt, S E cor
Sixteenth and Kearney, S W cor	Twenty-first and Johnson, S E cor
Sixteenth and Northrup, S W cor	Twenty-first and Northrup, N W cor
Sixteenth and Pettygrove, N W cor	
Sixteenth and Savier, N W cor	
Seventeenth and Davis, S W cor	
Seventeenth and Flanders, N W cor	

HYDRANTS—Continued.

Northern District.

Twenty-first and Quimby, N E cor	Twenty-third and Northrup, N W cor
Twenty-first and Savier, N E cor	Twenty-third and Quimby, N W cor
Twenty-second and Washington, N E cor	Twenty-third and Savier, N W cor
Twenty-second and Everett, S E cor	Twenty-fourth and Washington, N W cor
Twenty-second and Glisan, S E cor	Twenty-fourth and Flanders, N E cor
Twenty-second and Irving, S E cor	Twenty-fourth and Johnson, N E cor
Twenty-second and Lovejoy, S E cor	Twenty-fourth and Kearney, S W cor
Twenty-second and Northrup, S E cor	Twenty-fourth and Lovejoy, N W cor
Twenty-second and Pettygrove, S E cor	Twenty-fourth and Northrup, N W cor
Twenty-second and Savier, S E cor	Twenty-fourth and Pettygrove, N W cor
Twenty-second and Thurman, S E cor	Twenty-fourth and Savier, N E cor
Twenty-second and Upshur, N E cor	Twenty-fifth and Hoyt, St. Vincent's Hospital
Twenty-second and Wilson, N E cor	Twenty-fifth and Johnson, N E cor
Twenty-second and York, N E cor	Twenty-fifth and Kearney, N E cor
Twenty-second and Nicolai, N E cor	Twenty-fifth and Savier, N E cor
Twenty-third and Washington, N E cor	Twenty-sixth and Savier, N E cor
Twenty-third and Flanders, S E cor	Twenty-seventh and Savier, N E cor
Twenty-third and Glisan, S E cor	Twenty-seventh and Thurman, N E cor
Twenty-third and Hoyt, S E cor	Twenty-ninth and Raleigh, N W cor
Twenty-third and Johnson, N E cor	Thirty-fourth and Franklin, N W cor
Twenty-third and Lovejoy, N E cor	King and Wayne, S W cor
	St. Clare and Wayne, S W cor

HYDRANTS—Continued.

SOUTHERN DISTRICT.

Macadam and Gaines, S W cor	Front and Meade, S E cor
Macadam and Bancroft, S E cor	Front and Porter, N W cor
Macadam and Lowell, S E cor	Front and Gibbs, N E cor
Macadam and Florida, S E cor	Front and Curry, N E cor
Macadam and Texas, S E cor	Front and Lowell, S W cor
10 hydrants between Texas and city limits, on east side Mac- adam street	Front and Hamilton, S E cor
Hood and Hall, N E cor	First and Morrison, N E cor
Hood and Lincoln, N W cor	First and Taylor, S W cor
Hood and Caruthers, S W cor	First and Main, N W cor
Hood and Baker, N E cor	First and Madison, S W cor
Hood and Meade, S W cor	First and Jefferson, N E cor
Hood and Grover, S E cor	First and Columbia, S W cor
Hood and Whittaker, S E cor	First and Clay, S W cor
Hood and Pennoyer, S E cor	First and Market, S W cor
Water and Columbia, S W cor	First and Grant, S E cor
Water and Clay, S W cor	First and Sheridan, S E cor
Water and Mill, N E cor	First and Hooker, S E cor
Water and Montgomery, N E cor	First and Woods, S E cor
Water and Harrison, N E cor	First and Whittaker, S E cor
Water and Hooker, S W cor	First and Pennoyer, S E cor
Water and Grover, S E cor	Second and Yamhill, S W cor
Corbett and Porter, N W cor	Second and Salmon, S W cor
Corbett and Gibbs, S E cor	Second and Lincoln, N W cor
Corbett and Curry, S E cor	Second and Porter, N E cor
Corbett and Gaines, S E cor	Third and Yamhill, S W cor
Corbett and Abernethy, S E cor	Third and Salmon, S W cor
Corbett and Lowell avenue, S E cor	Third and Madison, S W cor
Corbett and Hamilton, S E cor	Third and Clay, N W cor
Front and Morrison, S E cor	Third and Market, S W cor
Front and Yamhill, N W cor	Third and Harrison, S W cor
Front and Taylor, N W cor	Third and Sheridan, N E cor
Front and Salmon, S W cor	Third and Hooker, N E cor
Front and Main, S W cor	Fourth and Yamhill, N E cor
Front and Madison, N W cor	Fourth and Salmon, N E cor
Front and Jefferson, N W cor	Fourth and Madison, S E cor
Front and Columbia, S E cor	Fourth and Jefferson, N W cor
Front and Market, S W cor	Fourth and Mill, S W cor
Front and Lincoln, N W cor	Fourth and Harrison, N W cor
Front and Caruthers, S W cor	Fourth and Lincoln, N W cor
	Fourth and Sherman, S W cor
	Fourth and Sheridan, N W cor
	Fourth and Hooker, S E cor

HYDRANTS—Continued.

Southern District.

Fifth and Yamhill, S E cor	Thirteenth and Salmon, N W cor
Fifth and Salmon, S W cor	Thirteenth and Columbia, S E cor
Fifth and Main, S E cor	Thirteenth and Montgomery, N W cor
Fifth and Jefferson, S E cor	
Fifth and Columbia, S E cor	Fourteenth and Morrison, S W cor
Fifth and Grant, S W cor	Fourteenth and Taylor, N W cor
Sixth and Morrison, S E cor	Fourteenth and Main, S W cor
Sixth and Yamhill, S E cor	Fourteenth and Jefferson, S W cor
Sixth and Clay, N E cor	Fourteenth and Clay, N W cor
Sixth and Harrison, S W cor	Fifteenth and Clay, N W cor
Sixth and Sherman, S E cor	Fifteenth and Columbia, N W cor
Sixth and Sheridan, N E cor	Fifteenth and Market, N W cor
Seventh and Morrison, S W cor	Fifteenth and Mill, N W cor
Seventh and Market, S E cor	Sixteenth and Taylor, S E cor
Seventh and Montgomery, N E cor	Sixteenth and Montgomery, N E cor
Seventh and Jackson, S E cor	
Seventh and Lincoln, N E cor	Seventeenth and Jefferson, S E cor
Seventh and Grant, N E cor	
West Park and Morrison, N W cor	Seventeenth and Clay, N E cor
	Chapman and Morrison, S E cor
West Park and Yamhill, S E cor	Chapman and Taylor, N E cor
West Park and Salmon, N W cor	Chapman and Main, N W cor
West Park and Jefferson, N W cor	Chapman and Madison, N W cor
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	Ford and Main, N E cor
Tenth and Morrison, N W cor	King and Park avenue, S W cor
Tenth and Yamhill, S W cor	St. Clair and Park avenue, N E cor
Tenth and Salmon, N W cor	Twentieth and Market - street
Eleventh and Salmon, N W cor	Drive
Twelfth and Jefferson, N W cor	

HYDRANTS--Continued.

EAST PORTLAND DISTRICT.

Water and East Clay.	Seventh and East Mill
Water and Hawthorne ave	Seventh and East Clay
First and East Clay	Seventh and East Morrison
First and East Morrison	Seventh and Multnomah
First and East Washington	Eighth and Center
First and East Oak	Eighth and Brooklyn
First and Holladay ave	Eighth and East Sherman
Second and Halsey	Eighth and East Lincoln
Second and Multnomah	Eighth and Stephens
Third and East Mill	Eighth and East Morrison
Union ave and Ivon	Eighth and East Pine
Union ave and Caruthers	Eighth and East Burnside
Union ave and East Clay	Eighth and Broadway
Union ave and East Morrison	Ninth and East Sherman
Union ave and East Alder	Ninth and East Clay
Union ave and East Washington	Ninth and Belmont
Union ave and East Oak	Ninth and East Washington
Union ave and East Pine	Ninth and East Davis
Union ave and East Ankeny	Ninth and Holladay ave
Union ave and East Couch	Ninth and Multnomah
Union ave and East Davis	Tenth and East Caruthers
Union ave and East Glisan	Tenth and East Market
Union ave and Oregon	Tenth and East Oak
Union ave and Holladay ave	Tenth and East Ankeny
Union ave and Multnomah	Eleventh and East Sherman
Union ave and Weidler	Eleventh and East Lincoln
Grand ave and Taggart	Eleventh and Stephens
Grand ave and East Lincoln	Eleventh and East Clay
Grand ave and Stephens	Twelfth and Belmont
Grand ave and East Clay	Twelfth and East Morrison
Grand ave and East Salmon	Twelfth and East Washington
Grand ave and East Yamhill	Twelfth and East Oak
Grand ave and East Morrison	Twelfth and East Pine
Grand ave and East Washington	Twelfth and East Ankeny
Grand ave and Broadway	Twelfth and East Couch
Sixth and Belmont	Twelfth and East Davis
Sixth and East Oak	Twelfth and Broadway
Sixth and East Pine	Thirteenth and Rhein
Sixth and East Ankeny	Thirteenth and Powell
Sixth and East Clackamas	Fourteenth and Belmont
Seventh and East Grant	Fourteenth and East Pine
Seventh and East Harrison	Fifteenth and Clinton

HYDRANTS--Continued.

East Portland District.

Fifteenth and Broadway	Twenty-sixth and Powell
Sixteenth and East Main	Twenty-sixth and Division
Sixteenth and East Morrison	Twenty-sixth and East Stark
Sixteenth and East Ankeny	Twenty-sixth and East Ankeny
Sixteenth and East Davis	Twenty-eighth and Broadway
Eighteenth and Powell	Twenty-ninth and Gladstone
Eighteenth and Clinton	Thirtieth and East Ankeny
Nineteenth and East Main	Thirty-first and East Pine
Nineteenth and East Stark	Thirty-third and Gladstone
Nineteenth and Oregon	Inman, Poulsen & Co.'s Mill and Yard, 3 hydrants
Twentieth and East Morrison	Larrabee and Holladay ave
Twentieth and East Irving	Larrabee and Halsey
Twenty-first and Bush	Larrabee and Dixon
Twenty-first and Powell	Larrabee and Dupont
Twenty-first and Brooklyn	Benton and Clackamas
Twenty-first and Broadway	Wheeler and Clackamas
Twenty-second and East Taylor	Ross and Cherry
Twenty-second and East Stark	Ross and Dixon
Twenty-second and East Ankeny	

ALBINA DISTRICT.

Railroad and Randolph	Borthwick and Monroe
Railroad and Russell	Starr and Russell
Goldsmith and Randolph	Commercial and Beach
Goldsmith and Albina ave	Vancouver ave and Russell
Missouri ave and Fremont	Vancouver ave and Cook
Missouri ave and Failing	Vancouver ave and Beach
Missouri ave and Mason	Williams ave and Cherry
Missouri ave and Prescott	Williams ave and Hancock
Delay and Russell	Williams ave and Tillamook
Mississippi ave and Russell	Williams ave and Page
Mississippi ave and Stanton	Williams ave and Russell
Mississippi ave and Fremont	Williams ave and Sellwood
Mississippi ave and Beach	Williams ave and Mason
Mississippi ave and Shaver	Williams ave and Alberta
Mississippi ave and Skidmore	Rodney ave and San Raphael
Borthwick and Fremont	Rodney ave and Eugene
Borthwick and Shaver	Rodney ave and Russell
Borthwick and Knott	Rodney ave and Sellwood

HYDRANTS—Continued.

Albina District.

Union ave and Tillamook	Twelfth and Tillamook
Union ave and Sacramento	Fifteenth and Tillamook
Union ave and Russell	Nineteenth and Tillamook
Union ave and Stanton	Randolph and Loring
Union ave and Morris	Clark and Loring
Union ave and Going	Albina and River, 100 feet south of
Sixth and Beach	N W cor Mill
Seventh and Tillamook	

PIEDMONT DISTRICT.

Williams ave and Highland	Union ave and Mechanic
Union ave and Ainsworth	Union ave and Killingsworth
Union ave and Oxford	Ethel and Ainsworth

SUNNYSIDE DISTRICT.

Thirty-first and East Taylor	Thirty-fourth and East Alder
Thirty-second and East Stark	Thirty-fourth and East Stark
Thirty-third and East Morrison	Thirty-fifth and East Madison
Thirty-fourth and Hawthorne ave	Thirty-fifth and East Taylor
Thirty-fourth and East Main	Thirty-fifth and East Morrison
Thirty-fourth and East Taylor	Thirty-sixth and East Main
Thirty-fourth and Belmont	Fortieth and East Taylor

SELLWOOD DISTRICT.

Marion ave and Fourth	Umatilla ave and Ninth
Clackamas ave and Sixth	Umatilla ave and Tenth
Central ave and Fourth	Spokane ave and Fourth
Umatilla ave and Second	Spokane ave and Sixth
Umatilla ave and Fourth	Spokane ave and Eighth
Umatilla ave and Sixth	Spokane ave and Ninth
Umatilla ave and Eighth	Spokane ave and Tenth

HYDRANTS—Continued.

MILWAUKIE ROAD.

Milwaukie and Ash	Milwaukie and Frederick
Milwaukie and Kingston	Milwaukie and Powell
Milwaukie and Baldwin Switch	Inside Power-House on Milwaukie and Powell
Milwaukie and Caywood	
Milwaukie and Rhone	
Total number of hydrants	555

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	20,000
Twelfth and Johnson	20,000	.....	20,000
Fourteenth and Glisan	20,000	Seventeenth and Yamhill	20,000
Fourteenth and Marshall	20,000	Lowndale and Morrison	15,000

CISTERNS—EASTERN DISTRICT.

Fifth and E. Clay	25,000	Loring and Harding	20,000
Fifth and E. Washington ...	20,000	Mississippi and Goldsmith..	20,000
Union ave. and E. Pine.....	20,000	Union ave. and Fremont....	20,000
Twelfth and E. Ankeny	25,000	Minnesota ave. and Beach...	20,000
Fourteenth and E. Pine ...	25,000	Williams ave. and Beach....	20,000
Williams ave. and Cherry...	20,000		

Total number of cisterns, 82.

CORPORATION YARD KEEPER'S REPORT.

M. LAUDENKLOS, Assistant Chief Engineer,
Keeper of Corporation Yard.

Location, 329 North Twentieth Street.

INVENTORY.

1 Silsbey engine, in good condition; 2 two-wheeled hose; 4 engine wheels; 4 hose carriage wheels, no good; 3 engine spring; 10 doors; 1 cellar nozzle; 1 turret nozzle; 14 horse collars, no good; 40 feet old suction; 4 harness hangers; 1 truck pole; 1 engine pole; 2 buggy springs; 2 cistern covers; 2 Ludlow hydrants; 2 Willamette hydrants; 18 five-inch, 25 eight-inch, 13 twelve-inch, 9 ten-inch sleeves; 7 large gate covers; 24 small gate covers; 1 closet bowl; 45 four-inch gates; 1 sliding pole and railing; 2 sets of splicing ladders; 2 roof ladders; 2 sets of eveners; 2 telescope suction, three-inch; 1 ceiling hook; 1 50-gallon oil tank; 32½ tons coal; 1 set of hose carriage axles; 9 old chairs; 1 iron bedstead; 1 hand pole for truck; 300 pounds cast iron; 2 neck yokes; 4 wire mattresses; 8 sash weights; 1 supply wagon; 14 rubber valves for Willamette hydrant; 88 rubber valves for Ludlow hydrant; 2 rubber rings for Clapp & Jones engine; 2 steam gauges; 2 lantern holders; 8 door springs; 1 two-inch socket wrench; 1 one-inch socket wrench; 42½ taps; 1 singletree, 6 link blocks for Amoskeag engine; 2 leather belts; 1 Johnson pump; 7 headlights; 8 lanterns, no good; 2 oil lamps; 20 lamp shades; 1 gas lamp, 4 iron brackets; 1 gong trip; 1 relief valve; 1 2½ hose expander; 18 tips for nozzle; 2 suction brackets for engines; 4 wheel caps; 2 suction connections, 2½x5 inches; 1 rubber nozzle; 6 fire lighters; 8 hose spanners; 1 cap wrench for chemical; 6 cam gears for ceiling spring; 2 rubber buckets; 1 wheel jack; ½ barrel of dry polish; 1 acid jar for chemical; 4 caps for acid jar holders; 2 2½-inch brass nipples; 1 basket for suction; 2 old single buggy harnesses, no good; 3 saddles for cart harness; 1 set of irons for engine-house doors; 1 collar for buggy harness; 1 coil of 1¼-inch webbing.

REPORT OF
SUPERINTENDENT OF FIRE ALARM TELEGRAPH

GEORGE J. WALKER, Superintendent.

GUS BRILL, Assistant.

Portland, Oregon, January 1, 1900.

To the Honorable Fire Commissioners:

Gentlemen—I have the honor of submitting for your consideration the report of the Superintendent of Fire Alarm Telegraph for the year 1899. Owing to the consideration you have so kindly given to this branch of the service, we enter this year with the confident knowledge that the fire alarm system is in better condition and more reliable than it was a year ago. There are many things that yet remain to be done before we can say that we have a fire alarm system that is perfect in detail and up to a reasonably high standard in quality. During the past year, through our system of periodical tests, we have discovered many faults in the older boxes which have been remedied in a manner that makes them fairly reliable. Pole top fixtures have been provided for lines that needed them. The line work in East Portland has been reconstructed, a new circuit added and the lines extended to Sunnyside. Hose No. 5 has been supplied with the necessary electrical apparatus and connected with the fire alarm system. A standard fire alarm box has been placed in their house, thereby enabling them to call assistance to Sunnyside in case of need. The expenses for the past year, aside from salaries, have been:

Switchboards and batteries.....	\$2,475.00
Extension to Sunnyside	345.11
Repairs to lines	150.00
Repairs to old boxes	153.50
Incidental expenses	100.55

The first two items are enlargements and additions to the system; the second two items ought to have been borne by preceding administrations; the last item is the cost of maintenance for the past year. At least 35 additional boxes are needed for places where there are none now. The delays experienced by people in hunting for keys with

which to turn in an alarm have clearly demonstrated the necessity of keyless doors in place of the present key doors, at least in the heart of the city. A time register that will accurately "space" the "noon taps" for the purpose of testing the timing of indicators and apparatus in general, are both badly needed. To avoid burn-outs caused by crosses with electric light wires, all lines at present carried on electric light poles should be shifted to other poles as far as possible.

I wish to thank yourselves, Chief Campbell and the officers and members of this department for the many courtesies extended and the kindly interest taken in the fire alarm service. I am,

Respectfully,

GEORGE J. WALKER,

Superintendent Fire Alarm Telegraph.

SIGNAL BOXES.

- 7 Southeast corner Park and Jefferson.
- 8 Southeast corner Twelfth and Morrison.
- 9 Southeast corner Ninth and Everett.
- 12 Southeast corner First and Morrison.
- 13 Southeast corner Third and Washington.
- 14 Southeast corner Second and Oak.
- 15 Southeast corner First and Vine.
- 16 Southeast corner First and Flanders.
- 17 Southeast corner Sixth and Couch.
- 18 Southwest corner Front and Lovejoy.
- 19 Southeast corner Front and Stark.
- 21 Southeast corner Fifth and Morrison.
- 23 Southeast corner Park and Oak.
- 24 Southeast corner Fourteenth and Glisan.
- 25 Southeast corner Fourteenth and Northrup.
- 26 Southeast corner Seventeenth and Savier.
- 27 Washington, opposite Sixteenth.
- 28 Southeast corner Twelfth and Couch.
- 29 Southeast corner Twenty-second and Everett.
- 31 Southeast corner First and 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 Washington.
- 42 Southeast corner Twenty-second and Savier.
- 43 Southeast corner Seventeenth and Front.
- 45 Southeast corner Seventh and Glisan.
- 46 Southeast corner Twentieth and Washington.
- 47 Southeast corner Eighteenth and Flanders.
- 48 Southeast corner Eleventh and Johnson.
- 49 Southeast corner Twenty-second and Lovejoy.
- 51 Southeast corner Second and Taylor.
- 52 Southeast corner Third and Madison.
- 53 Southeast corner West Park and Yamhill.
- 54 Southeast corner Fourth and Ash.
- 56 Southeast corner Eleventh and Main.
- 57 Southeast corner Seventeenth and Taylor.
- 58 Southeast corner West Main and Stout.

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- 59 Southeast corner Seventh and Montgomery.
 - 61 Southeast corner Front and Couch.
 - 62 Southeast corner Fourth and Hoyt.
 - 63 Southeast corner Tenth and Washington.
 - 64 Southeast corner Nineteenth and Pettygrove.
 - 65 Hose Co. No. 6, Twentieth and Quimby.
 - 67 Southeast corner Twenty-fourth and Johnson.
 - 68 Southeast corner Twenty-sixth and Thurman.
 - 69 Southeast corner Nineteenth and Wilson.
 - 71 Southeast corner Corbett and Whittaker.
 - 72 Southeast corner Corbett and Bancroft ave.
 - 73 Southeast corner Macadam and Thomas.
 - 74 Southwest corner Hood and Caruthers.
 - 75 Southwest corner Second and Sheridan.
 - 81 Engine Co. No. 5, bet. Gibbs and Whittaker.
 - 91 Northern Pacific Lumber Co.'s Mill Yard.
 - 92 Cold Storage, North Front and Overton.
 - *93 St. Vincent's Hospital, Twenty-fifth and Johnson.
 - *94 City & Suburban Ry. Barns, Twenty-fourth and Savier.
 - 123 Southeast corner Front and Salmon.
 - 124 Southeast corner First and Hall.
 - 125 Southeast corner Fourth and Mill.
 - 126 Southeast corner First and Jefferson.
 - 127 County Jail, Fourth and Salmon.
 - 132 Truck Co. No. 5, Fourth, bet. Morrison and Yamhill.
 - 134 Southeast corner Sixth and Salmon.
 - 135 Southeast corner Sixth and Washington.
 - *136 Hotel Portland, Office.
 - 137 Southeast corner St. Clair and Park ave.
 - 142 Southeast corner Third and Davis.
 - 143 Steel Bridge, Office, "Combination Box."
 - 145 Southeast corner Seventeenth and Kearney.
 - 152 Morrison St. Bridge, Office, "Combination Box."
 - 213 Northeast corner East Morrison and Water.
 - 214 Northwest corner Hawthorne ave. and Water.
 - 215 Northeast corner East Fifth and East Clay.
 - 216 Northwest corner East Eleventh and Stephens.
 - 217 Northwest corner Twelfth and East Morrison.
 - 218 Northwest corner Twelfth and East Ankeny.
 - 219 Northwest corner Ninth and East Oak.
 - 231 Northwest corner Union ave. and East Oak.
 - 234 Northwest corner Larrabee and Holladay ave.
 - 235 Northwest corner East Fifth and East Burnside.
 - 236 Northeast corner East Fourth and Holladay ave.

- 237 Southeast corner Larrabee and Holladay ave.
238 Northwest corner Larrabee and Broadway.
241 Southeast corner East Ninth and East Davis.
242 Southwest corner East Sixteenth and East Davis.
243 Northwest corner East Sixteenth and East Morrison.
245 Southwest corner East Twentieth and East Taylor.
246 Northwest corner East Twenty-second and East Ankeny.
248 Hose Co. No. 5, Sunnyside.
251 Hose Co. No. 3, East Seventh, bet. Stephens and Harrison.
253 Corner East Eleventh and Division.
258 Southeast corner East Fifth and Division.
259 Northwest corner East Eleventh and Beacon.
*267 Southeast corner East Water and East Main.
271 Southeast corner East Twenty-first and Powell.
312 Southeast corner Russell and Railroad.
314 Southwest corner Goldsmith and Mitchell.
315 Northwest corner Mississippi ave. and Stanton.
316 Southwest corner Williams ave. and Russell.
317 Northeast corner Williams ave. and McMillen.
318 Northwest corner Union ave. and San Rafael.
319 Southwest corner Union ave. and Russell.
321 Southeast corner Mississippi ave. and Fremont.
324 Southeast corner Mississippi ave. and Mason.
325 Northeast corner Williams ave. and Mason.
326 Northeast corner Williams ave. and Fremont.
327 Southwest corner Union ave. and Morris.
329 Southeast corner East Fifteenth and Broadway.
341 Russell st., opposite Borthwick.
342 Northeast corner Williams ave. and Morris.
345 Southeast corner Borthwick and Fargo.
361 Southeast corner East Sixth and Halsey.

Note.—Boxes marked thus * are owned by the St. Vincent's Hospital, City & Suburban Ry. Co., Hotel Portland and the Standard Oil Co., respectively.

District numbers, which are struck from combination boxes located on the Steel Bridge and Morrison-street Bridge:

- District No. 146—Fifth and Irving.
District No. 147—Freight Sheds, Seventh and Hoyt.
District No. 148—Foot of Lovejoy.
District No. 149—Weidler's Mill.
District No. 152—Morrison-Street Bridge, Office.
District No. 153—Foot of Salmon.

- District No. 154—Foot of Jefferson.
 District No. 156—Pennoyer's Mill.
 District No. 162—Foot of Stark.
 District No. 163—Foot of Pine.
 District No. 164—Foot of Vine.
 District No. 165—Burnside-Street Bridge, West Side.
 District No. 167—Foot of Flanders.
 District No. 172—Foot of Wilson.
 District No. 173—N. P. Lumber Company's Mill.
 District No. 254—Hogue's Mill.
 District No. 256—Madison-Street Bridge, East Side.
 District No. 257—Inman, Poulsen & Co.'s Mill.
 District No. 263—Foot of Washington, East Side.
 District No. 264—Foot of East Oak.
 District No. 265—Burnside-Street Bridge, East Side.
 District No. 351—Steel Bridge, East Side.
 District No. 352—Foot of Broadway.
 District No. 354—Goldsmith and Mitchell.
 District No. 356—Albina Ferry, East Side Landing.
 District No. 357—Foot of Russell.
 District No. 358—Pacific Coast Grain Elevator Company, Site.

Auxiliary fire alarm numbers that are sent in by the Portland Automatic Fire Alarm Company:

- 513 Goodyear Rubber Company, First and Oak.
 514 Rothchild Bros., No. 20 First.
 517 Closset & Devers, Burnside, bet. Second and Third.
 523 Olds & King, Fifth and Washington.
 526 Alisky Building, northwest corner Third and Morrison.
 527 Honeyman & DeHart.
 534 Mason, Ehrman & Co., Second and Pine.
 536 McCracken's Warehouse, Ninth and Irving.
 537 Blumauer-Frank Drug Co., No. 144 Fourth.

INVENTORY OF PROPERTY.

56 Miles aerial lines, including wire, iron fixtures, insulators, pipe, etc.	\$ 7,400.00
113 Signal boxes	10,630.00
1 Tower bell and striker.....	3,000.00
2 Gamewell switch boards and batteries.....	3,000.00
4 Small tower bells	300.00
2 Whistles and blowers	950.00
8 Eighteen-inch Gamewell gongs	680.00

6	Fourteen-inch gongs	240.00
1	Fifteen-inch combination gong and indicator.....	185.00
1	Eleven-inch gong	25.00
5	Eight-inch gongs	200.00
3	Six-inch gongs	112.50
4	Vibrator bells	6.00
38	Horse unhitchers	570.00
195	Cells Samson battery	195.00
6	Visual indicators	600.00
10	Tape registers	330.00
2	Automatic repeaters	950.00
1	Volt meter	75.00
4	Throw-over switches	10.00
1	Manual repeater and relays	75.00
2	Terminal boards and cabinet.....	200.00
10	Small galvanometers	20.00
1	Large galvanometer	3.00
1	Relay bell and case	10.00
18	Pole top fixtures and lagscrews.....	22.50
500	Feet rubber-covered wire	5.00
1	Box case	6.00
9	C. E. W. switches	9.00
6	C. E. W. cutouts	6.00
3	Gang switches	15.00
2	Recall keys and bases	5.00
24	Samson carbons	12.00
10	Samson zincs	1.50
6	Call bell sets	42.00
43	Pony relays and cases	215.00
100	Push buttons, switches, etc.	20.00
1	W. U. key and case.....	3.00
1	Two-pole key and case	3.00
1	A. D. T. box	15.00
2	Protectors	9.00
1	Knife switch	50
1	Large case	5.50
1	Six-point switch	5.00
1	Two-point relay	10.00
75	Instruments, protectors and case.....	375.00
	Marker paper	20.00
	Repeater stands and terminal cabinet.....	75.00

 TOOLS, FIXTURES, ETC.

1 Monkey wrench	\$ 1.00
1 Fourteen-inch Stilson wrench	2.00
1 Screw driver	1.00
2 Hack saws	3.00
1 Plane	1.50
1 Brace	1.00
1 Brace attachment	1.00
1 Bitt	1.50
2 Hand vices	2.00
1 Large vice	6.00
1 Pair climbers	4.00
4 Chisels	2.00
2 Tool boxes	5.00
1 Lot shelving	5.00
1 Work bench	12.00
2 Six-inch pulley blocks	6.00
2 Three-inch pulley blocks	2.50
1 Wire reel	5.00
1 Gasoline torch	4.00
1 Alcohol torch	1.00
1 Funnel	1.00
1 Syringe	1.00
1 Table	3.00
2 Chairs	5.00
2 Stepladders	2.50
Ropes, hand lines, etc.	5.00

 \$30,750.50

Fireman's Mutual Relief Association

—OF THE—

Portland Fire Department

FOR THE YEAR ENDING DECEMBER 31, 1899.

Organized May 9, 1883

OFFICERS:

H. S. ROWE, President.

WM. FLIEDNER, Treasurer.

MILTON WEIDLER, Secretary.

BOARD OF DIRECTORS:

H. S. ROWE.

RICHARD EVERDING.

WM. FLIEDNER.

DAVID CAMPBELL.

MILTON WEIDLER.

EXECUTIVE COMMITTEE.

Chief Engineer and Assistant Engineers.

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

REPORT OF SECRETARY

—OF THE—

FIREMAN'S MUTUAL RELIEF

ASSOCIATION

Portland, Oregon, December 31, 1899.

To the Board of Directors:

Gentlemen—As required by Article 4 of the By-Laws, I herewith submit a report of the receipts and disbursements for the year ending December 31, 1899, and also a summary of the receipts and disbursements and sources of the revenues of the Association since the date of the organization, together with the amount of assets now on hand.

Respectfully submitted,

MILTON WEIDLER.

RECEIPTS FOR 1899.

January, dues and fines.....	\$ 73.00	
February, dues and fines	75.00	
March, dues and fines	71.00	
April, dues and fines	75.80	
May, dues and fines.....	72.00	
June, dues and fines	75.50	
July, dues and fines.....	88.00	
August, dues and fines.....	83.50	
September, dues and fines.....	77.50	
October, due and fines.....	87.50	
November, dues and fines.....	68.50	
December, dues and fines.....	76.50	
Total receipts		\$923.80

DISBURSEMENTS FOR 1899.

February 7, warrant 729, M. Corliss, sick benefits.....	\$ 26.65	
February 7, warrant 730, J. Parrott, sick benefits.....	14.65	
February 7, warrant 731, P. Brown, sick benefits.....	10.65	
February 7, warrant 732, J. McCloud, sick benefits....	12.00	
February 7, warrant 733, M. McNulty, sick benefits...	18.65—	82.60
March 6, warrant 734, P. Brown, sick benefits.....	1.35	
March 6, warrant 735, W. Wascher, sick benefits.....	20.00	
March 6, warrant 736, Bert Eides, sick benefits.....	12.00	
March 6, warrant 737, I. D. Richardson, sick benefits.	9.35—	42.70
April 6, warrant 738, C. W. Ryan, sick benefits.....	9.35	
April 6, warrant 739, Charles Orr, sick benefits.....	13.35	
April 6, warrant 740, D. Merwin, sick benefits.....	9.35	
April 6, warrant 742, T. D. Richardson, sick benefits.	10.65—	42.70
May 5, warrant 743, Gus Brill, sick benefits.....	40.00	
May 5, warrant 744, J. Went, sick benefits.....	20.00	
May 5, warrant 745, George Baldwin, sick benefits....	9.35—	69.35
June 5, warrant 746, C. Marciel, sick benefits.....	14.65—	14.65
July 5, warrant 747, Henry Lokey, sick benefits.....	40.00	
July 5, warrant 748, M. Corliss, sick benefits.....	29.35	
July 5, warrant 749, C. Anderson, sick benefits.....	18.65	
July 5, warrant 751, Mrs. Ida Smith, funeral benefits.	40.00	
July 5, warrant 752, W. Bubb, sick benefits.....	16.00	
July 5, warrant 753, Mrs. Ida Smith, sick benefits....	75.00	
July 5, warrant 754, C. Marciel, sick benefits.....	9.35—	228.35
July 22, warrant 755, M. Weidler, taxes.....	145.78—	145.78
August 5, warrant 756, Henry Lokey, sick benefits....	40.00	

August 5, warrant 757, M. Weidler, bill.....	4.00—	44.00
September 5, warrant 758, Theo. Senn, sick benefits...	9.35	
September 5, warrant 759, D. Penny, sick benefits....	9.35	
September 5, warrant 760, M. Corliss, sick benefits...	32.00	
September 5, warrant 761, H. Lokey, sick benefits....	40.00	
September 5, warrant 762, F. Robinson, sick benefits.	18.70	
September 5, warrant 763, J. H. Price, sick benefits...	9.35	
September 5, warrant 764, C. Marciel, sick benefits...	13.35—	132.10
October 5, warrant 765, F. Robinson, sick benefits....	10.65	
October 5, warrant 766, Lee Holden, bill.....	3.50—	14.15
November 6, warrant 767, M. Corliss, sick benefits....	35.00—	35.00
November 15, warrant 768, M. Weidler, taxes.....	75.50—	75.50
November 22, warrant 769, M. Weidler, taxes.....	184.92—	184.92
November 23, warrant 770, M. Weidler, taxes.....	7.03—	7.03
December 6, warrant 771, D. J. Merwin, sick benefits.	10.65—	10.65
December 31, warrant 772, D. J. Merwin, sick benefits	40.00—	40.00
Total disbursements		\$1,169.48

SUMMARY OF RECEIPTS AND DISBURSEMENTS.

	Receipts.	Disbursements.
1883	\$ 691.00	\$ 368.84
1884	623.00	475.81
1885	1,381.50	685.72
1886	811.00	337.67
1887	830.00	588.76
1888	669.50	722.80
1889	934.38	855.48
1890	1,391.40	1,162.14
1891	1,510.25	960.35
1892	1,832.40	2,143.10
1893	1,748.39	1,644.32
1894	1,420.25	839.36
1895	1,088.35	858.65
1896	1,362.50	826.90
1897	1,074.02	1,097.42
1898	1,154.90	1,269.55
1899	923.80	1,169.48
Balance on hand January 1, 1900.....		3,440.29
	\$19,446.64	\$19,446.64

 BALANCE ON HAND.

Bills receivable, note secured by mortgage on lots 9, 10, 11, 12, block 6; lots 7, 15, 16, block 20; and lots 15, 16, block 5, Willamette Heights Addition, City of Portland.....	\$ 2,400.00
Cash in hands of Treasurer.....	1,040.29
	<hr/>
Total assets on hand.....	\$ 3,440.29

SOURCES OF REVENUES FROM 1883 to 1899, INCLUSIVE.

From dues and fines	\$16,815.87
From donations	955.85
From theater benefits	757.00
From interest	880.92
From miscellaneous sources	37.00
	<hr/>
Total revenue	\$19,446.64

STREET RAILWAY FRANCHISES.

- Ordinance E. P. 681, 702, 820; Portland 7,250. EAST SIDE RAILWAY CO., SUCCESSORS TO GEO. W. BROWN. Hawthorne av., from Willamette river to e. limits of city. November 22, 1888. Fifty years.
- Ordinance E. P. 888. EAST SIDE RAILWAY CO., SUCCESSORS TO GEO. W. BROWN. E. Eleventh and Milwaukie sts., from "W" st. to s. limits of city. October 22, 1890. Fifty years.
- Ordinance 8,275. EAST SIDE RAILWAY CO. E. Eleventh st., from E. Mill st. to Hawthorne ave. May 4, 1893. Thirty years.
- Ordinance 8,445. (See also grant to Mount Tabor St. Ry. Co., ordinances 6,098, 6,470.) EAST SIDE RAILWAY CO. Madison st., from Seventh st. to Willamette river. August 4, 1893. Thirty years.
- Ordinance 5,445, amended by 5,802. PORTLAND TRACTION CO. "G" st., from N. Front st. to N. Second st.; thence s. on N. Second st., Second st. and S. Second st., to Grant st.; thence e. on Grant st. to S. Front st.; thence s. on S. Front st. to Abernethy st. April 6, 1888. Thirty years.
- Ordinance 5,613. PORTLAND CABLE RAILWAY CO. Spring st., from w. limits of city to Fifteenth st.; thence on Fifteenth st. to Jefferson st.; on Jefferson st. from City Park to Fifth st.; thence on Fifth st. to "H" st. October 26, 1888. Thirty years.
- Ordinance 6,581. PORTLAND CABLE RAILWAY CO. From the terminus of railway to "I" st., on Fifth st. March 26, 1891. Thirty years.
- Ordinance 3,477, amended by 4,027. BUDD, D. E., ET AL. Washington st., from First st. to "B" st.; N. Twentieth st., from "B" st. to "S" st.; Eleventh st., from Washington to Market st. June 12, 1882. Thirty years.
- Ordinance 3,684, amended by 4,475. MULTNOMAH STREET RY. CO. N. Fifteenth st., from "B" to "S" st.; "B" st., from First st. to City Park. January 5, 1883. No time.
- Ordinance 3,884. MULTNOMAH STREET RY. CO. Eleventh st., from Market st. to Montgomery st. July 20, 1883. No time.

- Ordinance 6,096, amended by 6,749. MULTNOMAH STREET RY. CO. "B" st. and Barnes road, to western boundary of city; N. Fifteenth st., from "S" st. to "U" st.; thence on "U" st. to N. Sixteenth st., and thence on N. Sixteenth st. to Front st.; on Washington st., from First st. to Front st.; on N. Twenty-second st., from "B" to "T," and thence on "T" st. to western boundary of city. February 14, 1890. No time.
- Ordinance 7,221. CITY & SUBURBAN RY. CO. On Morrison st., from Third st. to Fifteenth st. December 3, 1891. See section 5 of ordinance.
- Ordinance E. P. 646. PORTLAND & VANCOUVER RY. CO. On Fourth st., from n. boundary of city to "E" st.; thence w. on "E" st. to Third st.; thence s. on Third st. to "J" st.; thence w. on "J" st. to Water st.; on Holladay ave., from w. end to Fourth st.; from Holladay av. n. on Third st., in McMillen's Addition, to n. boundary of city. April 24, 1888. Fifty years.
- Ordinance Albina 27. FRANK DEKUM AND R. L. DURHAM. On Margaretta av., from s. line of Albina to n. line of Albina; on Mitchell st., from River st. to Loring, and thence on Loring to Stark st., and thence on Stark st. to intersection of Goldsmith and Russell sts.; thence on Russell st. to Helm st., Elliott st., or Morris st., and thence on practical route to Williams, Rodney or Margaretta av. April 6, 1888. Thirty years.
- Ordinance 5,744, amended by 5,803, 5,961. METROPOLITAN RAILWAY CO. On Corbett st., from s. boundary of city to Hood st. April 5, 1889. Thirty years.
- Ordinance 5,961. METROPOLITAN RAILWAY CO. On Gibbs st., from Front st. to Corbett st. October 18, 1889. Thirty years.
- Ordinance 4,803. PORTLAND STREET RY. CO. On S. First st., from Caruthers st. to Porter st. February 18, 1886. Expired.
- Ordinance 6,109, amended by 6,435. FRANK PRANTL. On Gibbs st., from S. Second st. to w. boundary of city. February 1, 1890. Thirty years.
- Ordinance E. P. 769. THOMSON-HOUSTON ELECTRIC CO. On "M" st., from Water to Seventh; s. on Seventh st. to efferson st.; e. on Jefferson to Twelfth st.; s. on Twelfth st. to Clinton st.; e. on Clinton to Twenty-first; s. on Twenty-first to Taggart; thence on Taggart to e. limits of city. Or on "W" st., from Seventh to Fourth st.; thence on Fourth to "U" st., and thence on "U" to Jefferson st. November 30, 1889. Fifty years.

- Ordinance 3,672, amended by 4,250, 6,427, 9,146, 3,715. TRANSCONTINENTAL ST. RY. CO. On "G" st., from N. Twenty-first st. to N. Third st.; thence on N. Third, Third and S. Third sts. to Caruthers st. Also from Third and "G" sts., n. e. to property of N. P. T. Co., and on approach to steel bridge. December 22, 1882. Thirty years.
- Ordinance 3,829, amended by 6,427. TRANSCONTINENTAL ST. RY. CO. On N. Thirteenth st., from "G" to "S" st., and thence on "S" st. to N. Sixteenth st. June 18, 1883. Thirty years.
- Ordinance 4,834, amended by 6,427. TRANSCONTINENTAL ST. RY. CO. On Morrison st., from Third to Ninth st.; thence on Ninth to Montgomery st.; thence on Montgomery st. to Thirteenth st. Also on Yamhill st., from Third to Ninth st. April 8, 1886. Thirty years.
- Ordinance 4,904, amended by 6,427. TRANSCONTINENTAL ST. RY. CO. On Yamhill st., from Third st. to Front st.; thence on Front st. to Morrison st., and thence on Morrison st. to Third st. September 8, 1886. No time.
- Ordinance 5,227, amended by 6,427. TRANSCONTINENTAL ST. RY. CO. On "S" st., from North Sixteenth st. to N. Twenty-sixth st. October 10, 1887. No time.
- Ordinance 5,427, amended by 6,427. TRANSCONTINENTAL ST. RY. CO. On "G" st., from e. to center line N. Twenty-first st.; thence on N. Twenty-first st. to "S" st. March 24, 1888. Thirty years.
- Ordinance 5,661. TRANSCONTINENTAL ST. RY. CO. On Morrison st., from Ninth st. to Fourteenth st.; thence n. on Fourteenth st. to "B" st.; thence to Eighteenth st. and n. on Eighteenth st. to "G" st. On Fourteenth st., from Morrison st. to Yamhill st.; thence on Yamhill st. to Ninth st. December 21, 1888. Thirty years.
- Ordinance 6,017, amended by 6,490. TRANSCONTINENTAL ST. RY. CO. On Third st., from Caruthers st. to Sheridan st.; thence e. on Sheridan st. to S. Second st.; thence s. on S. Second st. to Porter st.; thence e. on Porter st. to S. First st.; thence s. on S. First st. to Whittaker st. December 9, 1889. Thirty years.
- Ordinance E. P. 589, amended by 620, 645, 766, 915. WILLAMETTE BRIDGE RY. CO. On "N" st., from w. end to Twentieth st.; thence s. on Twentieth st. to point opposite cemetery. On Fifth st., from n. to s. end. On Alaska st., from Fifth st. to Eleventh st.; thence s. along Eleventh st. or Division st. and Twelfth st. to Milwaukie road; thence on said road to s. limits of

city. On Grant st. entire length. On Holladay ave. entire length. On Maple st., from Holladay ave. to Hassalo st.; thence on Hassalo st. to Third st. in McMillen's Add.; thence on Third st. in McMillen's and E. Irving's Adds., entire length. On "B" st., in McMillen's Add., from Third st. to n. e. end. On Williams st., in E. Irving's Add., entire length. On "G" st., from Fifth st. to e. boundary of city. June 7, 1887. Fifty years.

Ordinance Albina 42. WILLAMETTE BRIDGE RY. CO. On Goldsmith st., from line between Albina and E. P. to Delay st.; thence on Delay st. to Russell st.; thence on Russell st. to Helm st.; thence on Helm st. to Elliott st.; thence on Elliott st. to Williams ave.; thence on Williams ave. entire length. On Hawley st., from Elliott st. to n. end of Hawley st. On Idaho ave. entire length. August 16, 1888. Fifty years.

Ordinance Albina 185. WILLAMETTE BRIDGE RY. CO. On Fifteenth st., from Grant st. to Tillamook st.; thence on Tillamook st. to e. boundary of Albina. On Nineteenth st., from Tillamook st. to n. line of Irvington. April 29, 1891. Twenty-five years.

Ordinance Albina 233. WILLAMETTE BRIDGE RY. CO. On California st., from Mississippi ave. to e. line of Albina. On Fir st., from Mississippi ave. to Michigan ave.; thence on Michigan ave. to "F" st. in Patton Tract; thence on "F" st. to First st., bet. N. Albina and Jarrett's Add.; thence n. on First st. to n. line of New Albina Add.; thence w. on Laura st. to Arbor Lodge Add.; thence n. on "C" st., in Peninsular Add. No. 2, n. and s. to city limits. On "I," "J" or "K" st., in said Peninsular Add. No. 2, n. and s. to city limits. On Grant st., entire length. On Seventh st., from Grant st. n. to city limits. On Nineteenth st., from Tillamook st. n. to city limits. June 30, 1891. No time.

Ordinance 9,328. W. M. LADD. On Yamhill st., from Front st. to river. June 20, 1895. No time.

Ordinance 7,574. PORTLAND & VANCOUVER RY. CO. On Killingsworth ave., from Union ave. to e. boundary of city. April 23, 1892. Thirty years.

Ordinance . PORTLAND CONSOLIDATED ST. RY. CO. On Union ave., entire length. On E. Burnside st., from Union ave. to river. On Burnside st., from river to Washington st. On Thirteenth st., from Washington st. to Burnside st. On E. Oak st., from Union ave. to river. On E. Washington st., from Union ave. to river. February 16, 1893. Thirty Years.

- Ordinance 9,363, amended by 9,399, 9,791, 10,058, 10,619, 11,056. CHAS. E. SMITH, G. GLASS AND ADOLPH A. DEKUM. On Seventh st., from Johnson st. to Flanders st.; thence e. on Flanders st. to First st.; thence s. on First st. to Porter st.; thence e. on Porter st. to Hood st.; thence s. on Hood st. to Grover st.; thence e. on Grover st., to Macadam st., and thence s. on Macadam st. to County Road. July 18, 1895. Thirty years.
- Ordinance 9,400. PORTLAND TRACTION CO. Extension of road on Fifth st. n. to center of Irving st.; thence w. on Irving st. to e. line of Sixth st. August 8, 1895. Thirty years.
- Ordinance 9,711. CITY & SUBURBAN RY. CO. From intersection of Quincy st. with Williams ave., Cherry st. and McMillen st.; thence on Quincy st. to E. First st.; thence on E. First st. to Holladay ave. April 16, 1896. Thirty years.
- Ordinance 9,712. CITY & SUBURBAN RY. CO. On Glisan st., from e. line N. Twenty-second st. to N. Twenty-fourth st.; thence on N. Twenty-fourth st. to Cornell st., and thence s. e. on Cornell st. to Washington st. April 16, 1896. Thirty years.
- Ordinance 10,995. CITY & SUBURBAN RY. CO. On Twenty-second st., from Savier st. to St. Helens County Road. November 16, 1898. Thirty years.
- Ordinance 10,960. CITY & SUBURBAN RY. CO. On Mississippi ave., from Stanton st. to Beech st. October 6, 1898. Thirty years.
- Ordinance 10,548. CITY & SUBURBAN RY. CO. On Everett st., from Second st. to Third st. On Grant st., from Third st. to Second st. November 18, 1897. Subject to ordinances 4,834 and 5,818.
- Ordinance 11,410. PORTLAND RAILWAY CO. On Thurman st., from Sixteenth st. to Nineteenth st.; thence n. on Nineteenth st., Sherlock ave. and northwesterly on Sherlock ave to Nicolai st. November 16, 1899. Thirty years.
- Ordinance 11,454. TYLER WOODWARD, TRUSTEE. On Corbett st., from Hamilton ave. s. to Wisconsin st.; thence s. on Wisconsin st. to Nebraska st.; thence e. along Nebraska st. to Virginia, st.; thence s. on Virginia st. to Nevada st.; thence southerly by most feasible route to Taylor's Ferry Road; thence on Taylor's Ferry Road to Kelly st. in Fulton Park. Or providing right of way cannot be procured between Nevada st. and Taylor Ferry Road, thence easterly along Nebraska st., from Virginia st. to Macadam Road; thence s. on Macadam Road to Taylor Ferry Road; thence on Taylor Ferry Road as before described. December 27, 1899. Twenty years.

WATER COMMITTEE'S REPORT

REPORT BY THE WATER COMMITTEE OF THE CITY OF PORTLAND, OREGON, OF THE RECEIPTS AND DISBURSEMENTS FROM JANUARY 1 TO MARCH 31, 1899.

GENERAL ACCOUNT.

1898—

December 31, cash in hands of Treasurer per report this date	\$ 66,808.87
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RECEIPTS.

1899—

January 31, cash from operating department...	\$ 19,220.66	
February 28, cash from operating department...	16,782.90	
March 31, cash from operating department.....	17,969.92	\$ 53,973.48
Total		\$120,782.36

DISBURSEMENTS.

SUBMERGED PIPES.

Part Voucher 2211—City water works, per certified payrolls and vouchers.	\$ 144.85	
Part Voucher 2217—City water works, per certified payrolls and vouchers.	113.50	
Voucher 2214—Smyth & Howard, engineers estimate No. 5, work per contract	10,232.70	\$ 10,491.05

DISTRIBUTION SYSTEM.

Part Voucher 2217—City water works, per certified payrolls and vouchers.	\$ 1,391.05	\$ 1,391.05
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RESERVOIRS.

Part Voucher 2211—City water works, per certified payrolls and vouchers..\$	425.10	
Part Voucher 2213—City water works, per certified payrolls and vouchers.	524.45	
Part Voucher 2217—City water works, per certified payrolls and vouchers.	239.15	\$ 1,188.70

RIGHTS OF WAY, LAND, ETC.

Voucher 2212—S. W. King, 160 acres land on south fork Bull Run, 3 miles above head works..\$	800.00	
Part Voucher 2213—City water works, per certified payrolls and vouchers.	8.75	
Voucher 2215—L. T. Barin, services as attorney in land cases, January 1 to March 31, 1899.....	155.00	\$ 963.75

GENERAL EXPENSE.

Part Voucher 2211—City water works, per certified payrolls and vouchers..\$	340.55	
Part Voucher 2213—City water works, per certified payrolls and vouchers.	260.00	
Part Voucher 2217—City water works, per certified payrolls and vouchers.	210.33	
Voucher 2216—Frank T. Dodge, services as clerk, January 1 to March 16, 1899	150.00	\$ 960.88
Total		\$ 14,995.43

RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer, December 31, 1898, as above	\$ 66,808.87	
Cash from operating department during quarter..	53,973.48	\$120,782.35

DISBURSEMENTS.

Submerged pipes	\$ 10,491.05	
Distribution system	1,391.05	
Reservoirs	1,188.70	
Rights of way, land, etc.	963.75	
General expense	960.88	\$ 14,995.43
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Balance in hands of treasurer March 31, 1899.		\$105,786.92

OPERATING ACCOUNT.

RECEIPTS.

Water rates, amounts earned and credited on the books.....	\$ 71,364.15	
Deduct amounts due from city for quarter	9,039.10	\$ 62,325.05
Tapping mains		38.00
Turning on water		29.50
Rent		15.00
		<hr/>
		\$ 62,407.55

DISBURSEMENTS.

Pipe Line	\$ 789.25	
Reservoirs	1,723.91	
Repairs to mains	1,046.82	
General expense	2,941.94	
Office expense	1,422.00	
Books and stationery	27.50	
Meters	16.50	
Loose property	150.15	
Palatine pumping station	316.00	
		<hr/>
		\$ 8,434.07
Paid to general account, January 31, 1899	\$ 19,220.66	
Paid to general account, February 28, 1899	16,782.90	
Paid to general account, March 31, 1899	17,969.92	\$ 53,973.48
		<hr/>
		\$ 62,407.55

No money on hand at close of quarter.

H. W. CORBETT,
Chairman.

FRANK T. DODGE, Clerk.

Portland, Oregon, March 31, 1899.

REPORT BY THE WATER COMMITTEE OF THE CITY OF PORTLAND, OREGON, OF THE RECEIPTS AND DISBURSEMENTS FROM APRIL 1 TO JUNE 30, 1899.

GENERAL ACCOUNT.

1899—		
March 31, cash in hands of treasurer, per report		
this date		\$105,786.92

RECEIPTS.

April 30, cash from operating department.....	\$ 17,850.05	
May 31, cash from operating department.....	15,344.96	
June 30, cash from operating department.....	19,391.03	\$ 52,586.04
		<hr/>
Total		\$158,372.96

DISBURSEMENTS.

SUBMERGED PIPE.

Part Voucher 2220—City water works, per certified payrolls and vouchers.	\$ 66.90	
Voucher 2222—Smyth & Howard, engineers estimate No. 6, final per contract	1,000.00	
Part Voucher 2226—City water works, per certified payrolls and vouchers.	97.00	\$ 1,163.90
		<hr/>

RESERVOIRS.

Part Voucher 2218—City water works, per certified payrolls and vouchers.	\$ 283.16	
Part Voucher 2220—City water works, per certified payrolls and vouchers.	241.80	
Part Voucher 2226—City water works, per certified payrolls and vouchers.	220.75	\$ 745.71
		<hr/>

 RIGHTS OF WAY, LAND, ETC.

Voucher	2221—L. T. Barin, attorney to secure relinquishment of C. A. Kalus claim in reserve . . . \$	600.00	\$	600.00
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GENERAL EXPENSE.

Part Voucher 2218—City water works, per certified payrolls and vouchers. \$	200.00		
Part Voucher 2220—City water works, per certified payrolls and vouchers.	200.00		
Part Voucher 2226—City water works, per certified payrolls and vouchers.	232.85		
Voucher 2224—W. Stuart Smith, services as electrical engineer	1,000.00		
Voucher 2225—Frank T. Dodge, services as clerk, April 1 to June 30 . . .	150.00	\$	1,782.85

INTEREST ON BONDS.

Voucher 2219—Frank Hachenev, city treasurer, surplus of revenues from water works, to be used in reimbursing the "bonded indebtedness interest fund" for semi-annual interest on \$250,000 East Side water bonds, paid May 1, 1899 \$	7,500.00		
Voucher 2223—Frank Hachenev, city treasurer, amount deposited with him June 30, 1899, for paying semi-annual interest on \$2,900,000 water bonds issued to date	72,500.00	\$	80,000.00
Total			\$ 84,282.46

RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer March 31, 1899, as above	\$105,786.92	
Cash from operating department during quarter.	52,586.04	\$158,372.96

DISBURSEMENTS.

Submerged pipes	\$ 1,163.90	
Reservoirs	745.71	
Rights of way, land, etc.	600.00	
General expense	1,782.85	
Interest on bonds	80,000.00	\$ 84,292.46
Balance in hands of treasurer June 30, 1899..		\$ 74,080.50

OPERATING ACCOUNT.

RECEIPTS.

Water rates, amounts earned and credited on the books	\$ 73,264.90	
Deduct amounts due from city for quarter.....	9,263.60	\$ 64,001.30
Tapping mains		158.00
Turning on water		68.00
Rent		15.00
Total		\$ 64,242.30

DISBURSEMENTS.

Pipe line	\$ 1,059.59
Reservoirs	1,839.16
Repairs to mains	1,472.79
General expense	2,440.40
Office expense	1,418.90
Books and stationery	124.98
Meters	2,581.16
Loose property	306.52
Palatine pumping station	304.52
High Service pumping station	108.26
Total	\$ 11,656.26

Paid to general account April 30, 1899.	\$ 17,850.05	
Paid to general account May 30, 1899.	15,344.96	
Paid to general account June 30, 1899	19,391.03	\$ 52,586.04
Total		<u>\$ 64,242.30</u>

No money on hand at close of quarter.

C. A. DOLPH,
Chairman pro tem.

FRANK T. DODGE, Clerk.

Portland, Oregon, June 30, 1899.

REPORT BY THE WATER COMMITTEE OF THE CITY OF PORTLAND, OREGON, OF THE RECEIPTS AND DISBURSEMENTS FROM JULY 1 TO SEPTEMBER 30, 1899.

GENERAL ACCOUNT.

1899—

June 30, cash in hands of treasurer, per report
this date \$ 74,080.50

RECEIPTS.

July 31, cash from operating department.....\$ 21,668.45
August 14, cash from Portland Gas Company, its
proportion of tests of mains for electrolysis,
credited account general expense 250.00
August 31, cash from operating department..... 21,137.02
Sept'r 30, cash from operating department..... 17,822.65 \$ 60,878.12

Total \$134,958.62

DISBURSEMENTS.

RESERVOIRS.

Voucher 2227—G. H. Mendell, services as
consulting engineer\$ 4,500.00
Part Voucher 2228—City water works, per certi-
fied payrolls and vouchers. 174.50
Part Voucher 2229—City water works, per certi-
fied payrolls and vouchers. 152.08
Part Voucher 2233—City water works, per certi-
fied payrolls and vouchers. 170.00 \$ 4,996.58

DISTRIBUTION SYSTEM.

Part Voucher 2228—City water works, per certi-
fied payrolls and vouchers.\$ 572.78
Part Voucher 2229—City water works, per certi-
fied payrolls and vouchers. 1,429.64 \$ 2,002.42

GENERAL EXPENSE.

Part Voucher 2228—City water works, per certified payrolls and vouchers.	\$	202.27	
Part Voucher 2229—City water works, per certified payrolls and vouchers.		210.20	
Part Voucher 2233—City water works, per certified payrolls and vouchers.		208.85	
Voucher 2232—Frank T. Dodge, services as clerk, July 1 to September 30, 1899	150.00	\$	771.32
			<hr/>

CITY WATER WORKS.

Voucher 2230—Portland Heights Water Co., for plant, property and franchise	\$	9,700.00	\$	9,700.00
				<hr/>

PORTLAND HEIGHTS SUPPLY.

Voucher 2231—Crane Co., pipe for connecting Heights with pumps...	\$	2,835.71	
Part Voucher 2233—City water works, per certified payrolls for laying do.	744.06	\$	3,579.77
			<hr/>
Total			\$ 21,050.09

RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer June 30, as above.	\$	74,080.50	
Cash from operating department during quarter.	60,628.12		
Cash from Portland Gas Company, as above.....	250.00	\$	134,958.62
			<hr/>

DISBURSEMENTS.

Reservoirs	\$	4,996.58	
Distribution system	2,002.42		
General expense	771.32		
City water works	9,700.00		
Portland Heights supply	3,579.77	\$	21,050.99
			<hr/>
Balance in hands of treasurer September 30, 1899			\$113,908.53

OPERATING ACCOUNT.

RECEIPTS.

Water rates, amount earned and credited on the books	\$ 81,692.15	
Deduct amount due from city for quarter.....	9,809.30	\$ 71,882.85
		<hr/>
Tapping mains		96.00
Turning on water		45.00
Rent		15.00
		<hr/>
Total		\$ 72,038.85

DISBURSEMENTS.

Pipe line	\$ 1,931.54	
Reservoirs	1,685.89	
Repairs to mains	1,203.13	
General expense	2,141.80	
Office expense	1,420.90	
Books and stationery	84.95	
Meters	2,353.35	
Loose property	210.27	
Palatine pumping station	308.98	
High Service pumping station	69.93	
		<hr/>
Total	\$ 11,410.73	
Paid to general account July 31, 1899. \$ 21,668.45		
Paid to general account Aug. 31, 1899. 21,137.02		
Paid to general account Sept. 30, 1899 17,822.65	\$ 60,628.12	
		<hr/>
Total		\$ 72,038.85

No money on hand at close of quarter.

H. W. CORBETT,
Chairman.

FRANK T. DODGE, Clerk.

Portland, Oregon, September 30, 1899.

REPORT BY THE WATER COMMITTEE OF THE CITY OF PORT-
LAND, OREGON, OF THE RECEIPTS AND DISBURSE-
MENTS FROM OCTOBER 1 TO DECEMBER 31, 1899.

GENERAL ACCOUNT.

1899—

September 30, cash in hands of treasurer, per report of this date	\$113,908.53
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RECEIPTS.

October 31, cash from operating department.....	\$ 18,046.97	
November 30, cash from operating department..	17,038.66	
December 31, cash from operating department...	17,064.27	\$ 52,149.90
Total		\$166,058.43

DISBURSEMENTS.

RESERVOIRS.

Part Voucher 2236—City water works, per certified payrolls and vouchers.\$	245.00	
Part Voucher 2239—City water works, per certified payrolls and vouchers.	435.63	
Part Voucher 2243—City water works, per certified payrolls and vouchers.	328.45	\$ 1,009.08

LEGAL EXPENSE.

Voucher	2237—W. P. Lord, services in suit of King vs. City	\$ 750.00	\$ 750.00
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LAND, RIGHTS OF WAY, ETC.

Voucher	2234—L. T. Barin, services as attorney in land cases April 1 to September 30	\$ 585.00	
Voucher	2238—L. T. Barin, attorney, sum used in procuring relinquishment of Burtch claim	150.00	
Voucher	2240—L. T. Barin, attorney, sum used in procuring relinquishment of Parker claim	150.00	\$ 885.00

GENERAL EXPENSE.

Part Voucher 2236—City water works, per certified payrolls and vouchers.	\$	203.20	
Part Voucher 2239—City water works, per certified payrolls and vouchers.		200.00	
Part Voucher 2243—City water works, per certified payrolls and vouchers.		203.00	
Voucher 2242—Frank T. Dodge, services as clerk October 1 to December 31	150.00	\$	757.18

INTEREST ON BONDS.

Voucher 2235—Frank Hacheny, city treasurer, surplus of revenue from water works to be used in paying the semi-annual interest on \$250,000 East Side water bonds....	\$	7,500.00	
Voucher 2241—Frank Hacheny, city treasurer, amount deposited with him December 30, 1899, for paying semi-annual interest on \$2,900,000 water bonds issued	72,500.00	\$	80,000.00
Total		\$	83,401.26

RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treasurer September 30, as above	\$113,908.53	
Cash from operating department during quarter.	52,149.90	\$166,058.43

DISBURSEMENTS.

Reservoirs	\$	1,009.08	
Legal expense		750.00	
Land, rights of way, etc.		885.00	
General expense		757.18	
Interest on bonds	80,000.00	\$	83,401.26
Balance in hands of treasurer December 31, 1899.		\$	82,657.17

OPERATING ACCOUNT.

RECEIPTS.

Water rates, amounts earned and credited on the books	\$ 74,539.05	
Deduct amount due from city for quarter.....	9,100.10	\$ 65,438.95
		<hr/>
Tapping mains		\$ 44.00
Turning on water		70.00
Rent of cottage, \$15; rent asphalt roller, \$13....		28.00
		<hr/>
Total		\$ 65,580.95

ORDINARY OPERATING EXPENSES.

Pipe line	\$ 831.67
Reservoirs	1,762.36
Repairs to street mains	1,119.48
General expense	884.46
Office expense	1,426.65
Books and stationery	46.45
Meters	15.59
Loose property	124.83
Palatine pumping station	306.95
	<hr/>
Total	\$ 6,518.44

UNUSUAL EXPENSES.

Legal expenses, Esberg-Gunst suit ..\$	387.96	
Legal expenses, King suit	5,586.55	
		<hr/>
Total	\$ 5,974.51	
Repairing water office	938.10	\$ 6,912.61
		<hr/>
Total		\$ 13,431.05
Paid to general account October 31, 1899	\$ 18,046.97	
Paid to general account November 30, 1899	17,038.66	
Paid to general account December 31, 1899	17,064.27	\$ 52,149.90
		<hr/>
Total		\$ 65,580.95

No money in hands of operating department at close of quarter.

H. W. CORBETT,
Chairman.

FRANK T. DODGE, Clerk.

Portland, Oregon, December 31, 1899.

Earnings

74537.25
81022.15
73224.75
<u>71324.15</u>
367800.5

53973.48
57586.04
60878.12
57149.90
<u>279588.54</u>
2510
<u>337</u>



STATEMENT

Of all the Earnings, Receipts and Disbursements by the Water Committee of the City of Portland, Oregon, and the Sub-Committee on Water Works, operating the works, from November 25, 1885, when the Committee was appointed by Act of the Legislature, until December 31, 1899.

EARNINGS AND RECEIPTS	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	Totals	Totals	Grand Totals
Gross earnings of Water Works.....	\$.....	\$ 97,502.71	\$ 113,692.06	\$ 148,106.31	\$ 181,310.40	\$ 238,217.95	\$ 261,330.30	\$ 249,228.82	\$ 294,066.45	\$ 288,492.65	\$ 249,919.90	\$ 268,926.10	\$ 289,363.45	\$ 301,481.75	\$2,901,638.85	\$.....	\$.....
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	38,600.75	37,212.10	272,907.70		
Cash receipts of Water Works.....		97,502.71	113,692.06	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	250,762.70	261,269.65	2,628,731.15		2,628,731.15
Deduct operating expenses and repairs.....		47,000.77	54,792.44	51,407.17	71,496.85	63,993.28	68,842.27	63,357.32	62,094.23	38,939.27	36,894.08	36,585.02	33,383.55	39,964.00	668,740.30		668,740.30
Deduct increase of property in hands of operating department.....		50,501.94	58,899.62	96,689.14	109,813.55	150,224.67	178,468.58	164,143.50	148,083.17	197,018.18	179,177.77	195,275.93	217,379.15	224,305.65	1,969,960.85		1,969,960.85
Net income from Water Works.....		3,277.31	3,170.03	322.98	8,515.49	2,928.36	1,400.13	3,594.91	6,924.66	325.70	12,177.77	13,840.71	624.62	4,968.11	12,100.98		12,100.98
Deduct interest on bonds.....		47,224.63	55,729.59	96,376.16	101,298.06	147,298.31	177,068.45	167,733.41	155,007.83	196,692.48	167,000.00	209,116.64	218,003.77	219,337.54	1,957,589.87		1,957,589.87
Net earnings used for extending mains and construction.....		25,000.00	25,000.00	30,000.00	33,750.00	35,000.00	35,000.00	40,449.50	87,938.37	139,986.30	145,000.00	145,000.00	145,000.00	160,000.00	1,047,124.17		1,047,124.17
Water bonds sold.....		500,000.00		66,376.16	67,548.06	112,296.31	142,068.45	127,288.91	67,069.46	56,706.18	22,000.00	64,116.61	73,003.77	59,337.54	910,765.70		910,765.70
Premium on bonds.....		30,300.00		100,000.00	100,000.00		450,000.00	1,450,000.00	300,000.00	39,000.00				2,900,000.00		2,900,000.00	
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	64,116.61	73,003.77	59,337.54		4,082,966.40
DISBURSEMENTS																	
Water Works purchased.....	464,551.81													45,000.00		9,700.00	519,251.81
Additional pumps and main from Palatine.....			12,279.06	42,026.85	192,322.78	26,558.44											273,187.13
Deduct property sold.....	464,551.81		12,279.06	42,026.85	192,322.78	26,558.44	300.00	125.00			1,685.00	45,000.00		9,700.00	792,438.94		4,590.48
Net cost of pumping system.....	464,551.81		10,779.06	41,926.85	192,306.78	25,723.96						45,000.00		9,700.00	787,878.46		787,878.46
Distribution system, extending mains.....	500.00	33,939.71	14,273.49	114,068.46	7,856.54	54,377.08	105,464.97	15,848.88	151,053.66	61,659.90	5,035.58	7,484.06	2,245.55	3,393.47	577,258.35		577,258.35
BULL RUN GRAVITY SYSTEM																	
Surveys and explorations.....	7,850.73			426.00		630.70	272.57	508.40							9,688.40		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	3,433.46	311.25	2,448.75	53,849.85		53,849.85
Clearing and roads.....	125.00	324.25				41.60	16,574.09	15,649.71	331.70						33,046.35		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		57,245.92
Steel plates for conduit, head works to Mt. Tabor, 24 miles.....								169,893.29	208,675.69	16.00					377,512.90		377,512.90
Manufacturing and laying ditto.....								218,524.79	296,447.87	2,245.36	52,723.70				599,045.72		599,045.72
Bridges for conduit across Sandy and Bull Run rivers.....								10,551.36	44,334.86		10.00				54,896.22		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		288,588.70
Submerged pipe across Willam'te river.....								6.05	63,884.47	14,907.96		201.29	41,586.45	11,654.95	182,241.17		182,241.17
Reservoirs (4) including land.....				579.76		962.90	21,078.25	41,369.73	678,134.29	122,568.09	9,003.94	5,630.96	7,799.58	7,910.07	865,127.57		865,127.57
Portland Heights supply, water power pumps, etc.....									7,349.09	22,748.58	799.20			3,579.77	34,476.61		34,476.61
Telephone line to head works, 30 miles.....								6,860.00	401.51						7,261.51		7,261.51
General expenses.....	4,225.36	16,832.43	2,136.29	1,760.45	1,095.92	5,076.07	853.65	10,187.64	10,797.66	6,262.90	2,236.88	2,179.53	3,079.06	4,772.23	71,494.07		71,494.07
Totals.....	\$ 485,427.85	\$ 53,596.23	\$ 52,024.85	\$ 159,098.52	\$ 201,259.24	\$ 99,633.04	\$ 145,156.88	\$ 527,772.98	\$ 1,736,897.14	\$ 237,192.04	\$ 70,259.98	\$ 63,979.30	\$ 55,021.89	\$ 43,489.24	\$3,950,308.23		\$3,950,308.23

Amounts invested are: \$787,878.46, for purchase of pumping systems and additions; \$577,256.35 for extending distribution system; \$2,585,174.42 for Bull Run Gravity System, and \$82,657.17 balance as above.

* After deducting from account "Premium on Bonds" \$7,500, being 2½ per cent discount on \$300,000 bonds sold in 1893.

† After deducting from account "Steel Plates" \$1,262.68 for steel plates sold in 1895.

a After deducting from account "Water Works" amounts received for property sold as above.

b Add for decrease of property in hands of operating department.

Balance in the hands of Treasurer, December 31, 1899. Appropriated for construction during 1900.....

82,657.17

\$4,032,966.40

