

MAYOR'S MESSAGE AND
MUNICIPAL REPORTS



PORTLAND, OREGON

FOR THE YEAR ENDING DECEMBER 31, 1909

FROM THE PRESS OF



PORTLAND, OREGON

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OFFICERS OF THE CITY GOVERNMENT.

Mayor Joseph Simon
 Auditor A. L. Barbur
 Deputy Auditor..... S. Grutze
 Deputy Auditor..... F. Henshaw
 Deputy Auditor..... W. D. Smith
 Deputy Auditor..... E. W. Jones
 Deputy Auditor..... James Gill
 Deputy Auditor..... R. C. Flanders
 Deputy Auditor..... Milton Weidler
 Deputy Auditor..... M. A. McEachern
 Deputy Auditor..... J. S. Hutchinson
 Deputy Auditor..... F. S. Peirce
 Deputy Auditor..... C. F. Wiegand
 Deputy Auditor..... L. N. Penfield
 Treasurer..... J. E. Werlein
 Deputy Treasurer..... O. P. Miller
 City Attorney..... John P. Kavanaugh
 Deputy City Attorney..... H. M. Tomlinson
 Deputy City Attorney..... Frank S. Grant
 Deputy City Attorney..... W. C. Benbow
 Deputy City Attorney..... R. A. Sullivan
 City Engineer..... J. W. Morris
 Principal Assistant Engineer..... T. M. Hurlburt
 Office Engineer..... J. R. Hanson
 Engineer Bridges and Sewers..... S. A. Cobb

Office Deputy..... Merwin Pugh
 Right of Way Agent..... J. A. Arment
 District Inspector..... J. K. Carr
 District Inspector..... A. Fleming
 District Inspector..... A. L. Powell
 Head Sewer Inspector..... Harry Gurr
 Inspector of Steel and Concrete Structures..... A. S. Holmes
 Bridge Foreman..... N. Reed
 Municipal Judge..... Frank S. Bennett
 Chief of Fire Department..... David Campbell
 Chief of Police..... A. M. Cox
 Superintendent of Street Cleaning and Sprinkling Department..... Alexander Donaldson
 Inspector of Plumbing and Drainage..... Wm. Hey
 Deputy Inspector of Plumbing and Drainage..... C. Barrell
 Deputy Inspector of Plumbing and Drainage..... J. D. Finnigan
 Deputy Inspector of Plumbing and Drainage..... Geo. Otterstead
 Building Inspector..... Guy E. Dobson
 Deputy Building Inspector..... H. E. Plumber
 Deputy Building Inspector..... F. H. Fairfax
 Deputy Building Inspector..... W. K. Benvie
 Deputy Building Inspector..... J. W. McGovern
 Deputy Building Inspector..... J. H. Leist
 Deputy Building Inspector..... Lewis M. Dole
 City Physician..... Dr. F. L. Ziegler
 Health Officer..... Dr. C. H. Wheeler
 Assistant Health Officer..... I. F. Beeman
 Deputy Health Officer..... Dr. F. H. Dammasch

Deputy Health Officer.....J. M. Kelty
 Market Inspector.....Sarah Evans
 Milk and Dairy Inspector.....D. W. Mack
 Bacteriologist.....R. C. Matson
 Medical Inspector of Schools.....J. G. Abele
 Medical Inspector of Schools.....L. J. Wolf
 Medical Inspector of Schools.....F. P. Fisch
 Medical Inspector of Schools.....W. E. Smith
 School Nurse.....Rachael D. Shatto
 Pest House Nurse.....M. E. Wittmer
 ParkkeeperE. T. Mische
 HarbormasterCapt. J. Speier
 Poundmaster.....Boyd R. Welch
 Curator Museum.....C. F. Wiegand
 Superintendent Water Department.....F. T. Dodge
 Engineer Water Department.....D. D. Glarke
 Secretary Civil Service Commission.....J. P. Kennedy
 Superintendent Garbage Crematory.....Harry N. Napier
 Sealer Weights and Measures.....F. G. Buchtel
 Deputy Sealer Weights and Measures.....E. D. Jones
 Clerk Free Employment Bureau.....C. M. Rynerson

COUNCIL.

Time Expires

President of the Council.....George L. Baker, July 1, 1911
 First Ward.....T. J. Concannon, July 1, 1911
 Second Ward.....Hugh W. Wallace, July 1, 1913
 Third Ward.....Geo. D. Dunning, July 1, 1913
 Fourth Ward.....George L. Baker, July 1, 1911
 Fifth Ward.....F. E. Watkins, July 1, 1913
 Sixth Ward.....Henry A. Belding, July 1, 1911
 Seventh Ward.....A. G. Rushlight, July 1, 1911
 Eighth Ward.....K. K. Kubli, July 1, 1911
 Ninth Ward.....R. E. Menefee, July 1, 1913
 Tenth Ward.....J. T. Ellis, July 1, 1913
 At Large.....Gay Lombard, July 1, 1913
 At Large.....Thos. C. Devlin, July 1, 1913
 At Large.....J. Annand, July 1, 1911
 At Large.....Geo. B. Cellars, July 1, 1911
 At Large.....M. J. Driscoll, July 1, 1911

STANDING COMMITTEES OF THE COUNCIL

WAYS AND MEANS

Meets at 2 o'clock p. m., Monday—Council Week

Thomas C. Devlin. A. G. Rushlight. George B. Cellars.
George L. Baker. H. W. Wallace.

ACCOUNTS AND CURRENT EXPENSES

Meets at 2 o'clock p. m., Tuesday—Council Week

R. E. Menefee. John Annand. G. D. Dunning.

STREET CLEANING AND SPRINKLING

Meets at 1:30 o'clock p. m., Wednesday—Council Week

George L. Baker. Frank E. Watkins. G. D. Dunning.
M. J. Driscoll. R. E. Menefee.

STREETS

Meets at 2 o'clock p. m., Friday—Preceding Council Week

John Annand. Gay Lombard. R. E. Menefee.
H. A. Belding. A. G. Rushlight. H. W. Wallace. K. K. Kubli.

SEWER AND DRAINAGE

Meets at 10 o'clock a. m., Friday—Preceding Council Week

A. G. Rushlight. G. D. Dunning. Gay Lombard.
J. T. Ellis. T. J. Concannon. K. K. Kubli. H. A. Belding.

PARKS AND PUBLIC PROPERTY

Meets at 1:30 o'clock p. m., Wednesday—Council Week.

H. A. Belding. Thomas C. Devlin. K. K. Kubli

HEALTH AND POLICE

Meets at 11 o'clock a. m., Friday—Preceding Council Week

Gay Lombard. Frank E. Watkins. T. J. Concannon.

JUDICIARY AND ELECTIONS

Meets at 3 o'clock p. m., Monday—Council Week

George B. Cellars. J. T. Ellis. George L. Baker.

STREET LIGHTING

Meets at 1:30 o'clock p. m., Wednesday—Council Week

Frank E. Watkins. George L. Baker. M. J. Driscoll.
George B. Cellars. H. W. Wallace.

LICENSES

Meets at 2 o'clock p. m., Monday—Council Week.

M. J. Driscoll. J. T. Ellis. G. D. Dunning.
T. J. Concannon. A. G. Rushlight.

COMMERCE, LANDINGS AND WHARVES

Meets at 1:30 o'clock p. m., Wednesday—Council Week

M. J. Driscoll. J. T. Ellis. Thomas C. Devlin.

LIQUOR LICENSE

Meets at 3 o'clock p. m., Monday—Council Week

H. W. Wallace. George B. Cellars. Frank E. Watkins.
John Annand. Thomas C. Devlin. H. A. Belding. R. E. Menefee.

Regular meetings of the Council on 2nd and 4th Wednesdays of each month at 9:30 o'clock a. m.

REGULAR MEETINGS OF THE COUNCIL

Second and Fourth Wednesdays of each month,

at 9:30 o'clock a. m.

COMMITTEE MEETINGS

Council Week

Monday, 2 p. m.....Ways and Means
Monday, 3 p. m.....Judiciary and Elections
Monday, 2 p. m..... License
Monday, 3 p. m.....Liquor License
Tuesday, 2 p. m.....Accounts and Current Expenses
Wednesday, 1:30 p. m.....Street Cleaning and Sprinkling
Wednesday, 1:30 p. m.....Parks and Public Property
Wednesday, 1:30 p. m.....Commerce, Landings and Wharves
Wednesday, 1:30 p. m.....Street Lighting

Preceding Council Week

Friday, 11 a. m.....Health and Police
Friday, 10 a. m.....Sewers and Drainage
Friday, 2 p. m..... Streets

EXECUTIVE BOARD

Joseph Simon, Mayor, Chairman

George W. Brown	John W. Campbell	Louis G. Clarke
Samuel Connell	Henry L. Corbett	John F. O'Shea
S. C. Pier	Robert T. Platt	Sig. Sichel
Charles Smith		

Committees of the Executive Board

RULES AND ORDER OF BUSINESS

Meets 3:30 P. M. Friday Board Meeting Day

R. T. Platt	Sig. Sichel	J. W. Campbell
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FIRE

Meets 4 P. M. Thursday preceding Board Meeting Day

J. F. O'Shea	S. C. Pier	Samuel Connell
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POLICE

Meets 4 P. M. Thursday preceding Board Meeting Day

L. G. Clarke	Sig. Sichel	Geo. W. Brown
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BRIDGES

Meets 3 P. M. Thursday preceding Board Meeting Day

Geo. W. Brown	H. L. Corbett	John F. O'Shea
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STREETS

Meets 3 P. M. Thursday following Board Meeting Day

H. L. Corbett	R. T. Platt	Chas. Smith
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SEWERS

Meets 3 P. M. Thursday preceding Board Meeting Day

Chas. Smith Geo. W. Brown J. W. Campbell

STREET CLEANING

Meets 3 P. M. Thursday preceding Board Meeting Day

Samuel Connell L. G. Clarke S. C. Pier

LIGHTS

Meets 3 P. M. Board Meeting Day

Sig. Sichel Samuel Connell R. T. Platt

CITY HALL

Meets 3:30 P. M. Thursday preceeding Board Meeting Day

J. W. Campbell L. G. Clarke Chas. Smith

CURRENT EXPENSES

Meets 3:30 P. M. Board Meeting Day

S. C. Pier H. L. Corbett Jno. F. O'Shea

Executive Board meets on the Fridays following the second and fourth Wednesdays of each month, and last day of each month at 4 o'clock P. M.

BOARD OF HEALTH

Meets first day of each month at 10:00 a. m.

Joseph Simon, Mayor, Chairman

Dr. R. J. Chipman Dr. Geo. B. Story Dr. Alan Welch Smith
A. M. Cox, Chief of Police

PARK BOARD

Meets first Friday of each month at 10:00 a. m.

Joseph Simon, Mayor, Chairman

I. Lang Ion Lewis Dr. J. R. Wetherbee Dr. E. G. Clarke

WATER BOARD

Meets second Tuesday in each month at 4 p. m.

Joseph Simon, Mayor, Chairman

Theo. B. Wilcox J. C. Ainsworth Walter B. Mackay

CIVIL SERVICE COMMISSION

P. L. Willis W. L. Brewster A. P. Armstrong

MAYORS

of the

CITY OF PORTLAND, From 1854 to Date

W. S. Ladd.....	Elected March, 1854
George W. Vaughn.....	Elected April, 1855
James O'Neil.....	Elected April, 1856
James O'Neil.....	Elected April, 1857
A. M. Starr.....	Elected April, 1858
S. J. McCormick.....	Elected April, 1859
G. Collier Robbins.....	Elected April, 1860
John M. Breck.....	Elected April, 1861
W. H. Farrar.....	Elected April, 1862
David Logan.....	Elected April, 1863
Henry Failing.....	Elected April, 1864
Henry Failing.....	Elected June, 1865
Henry Failing.....	Elected June, 1866
Thomas J. Holmes (died in office).....	Elected June, 1867
Aaron E. Wait (By Council to fill vacancy)....	Elected July 24, 1867
J. A. Chapman (By Council).....	Elected July 31, 1867
Hamilton Boyd.....	Elected June, 1868
B. Goldsmith.....	Elected June, 1869
Philip Wasserman.....	Elected June, 1871
Henry Failing.....	Elected June, 1873
J. A. Chapman.....	Elected June, 1875
W. S. Newbury.....	Elected June, 1877
D. P. Thompson.....	Elected June, 1879
D. P. Thompson.....	Elected June, 1881
J. A. Chapman.....	Elected June, 1882

John Gates (Died in office).....	Elected June, 1885
Van B. DeLashmutt (By Council to fill vacancy).....	Elected May 2, 1888
Van B. DeLashmutt.....	Elected June, 1888
W. S. Mason.....	Elected June, 1891
George P. Frank.....	Elected June, 1894
Sylvester Pennoyer.....	Elected June, 1896
W. S. Mason.....	Elected June, 1898
W. A. Storey (By Council to fill vacancy).....	Elected May, 1899
Harry S. Rowe.....	Elected June, 1900
George H. Williams.....	Elected June, 1902
Harry Lane.....	Elected June, 1905
Joseph Simon.....	Elected June, 1909

Mayor's Message

Portland, Oregon, January 5, 1910.

To the Honorable The Council of the City of Portland.

Gentlemen: Section 147 of the charter makes it the duty of the Mayor to communicate by message to the Council annually a general statement of the condition and affairs of the city. The annual budget of current expenses and recommendations for appropriations have already been submitted to your honorable body, and has received consideration at your hands. I feel that I should congratulate you upon the fact that you are able to fix the tax levy required for the ensuing year at 4.9 mills, thereby making a very substantial reduction from the tax levy of the preceding year. I am fully convinced, however, that notwithstanding the commendable efforts made by you to economize in the expenditure of public moneys and reducing the tax levy as stated, your course has in no wise impaired the revenues required for the proper administration of city affairs.

It is my duty to make such suggestions and recommendations for your guidance as seems pertinent and proper, but I desire to premise what I may say by reminding you that the administration of municipal affairs is a serious task, and involves important responsibilities. The requirements of the City of Portland by reason of its phenomenal growth, and rapid development, are many and pressing. You will observe by reading the comprehensive reports filed with the Auditor by the heads of various departments that the city is entering upon an era of progress never before witnessed in its history.

There have been submitted to me from the various boards and departments of the city government, for the fiscal year ending December 31, 1909, the following reports: Auditor, City Engineer, Superintendent and Engineer of the Water Board, Chief of Police, Chief of the Fire Department, Superintendent of the Fire Alarm and Police Telegraph, City Treasurer, City Attorney, Superintendent of Parks, Building Inspector, Health Officer, Superintendent of Street Cleaning and Sprinkling Department, President of the Library Association, Superintendent of the Crematory, Civil Service Commission, Plumbing Inspector, Poundmaster, Municipal Judge, Harbormaster, Food Inspector, and Sealer of Weights and Measures.

From the Auditor's report I submit the following statement of cash receipts and disbursements during the year 1909:

RECEIPTS.

Total balance January 1, 1909.....	\$1,389,321.25
General fund	630,299.47
Fire Department fund	465,395.45
Police Department fund	283,402.67
Bonded indebtedness interest fund	192,692.65
Lighting fund	119,982.50
Street repair fund	151,748.49
Public library fund	26,893.90
Park fund	85,056.34
Water fund	507,730.60
Water bond sinking fund.....	104,046.08
Improvement fund	10,969.74
Improvement bond sinking fund	340,390.20
Improvement bond interest fund.....	95,264.19
Street and sewer interest fund	6,772.40
Police and Fire Department relief fund.....	4,008.95
Redemption fund	3,722.01
Bill posting badge fund	13.00
Special bridge fund	123,789.86
Street improvement funds	1,822,315.41
Sewer funds	180,841.87
Street extension funds	18,954.56
Water main funds	3,456.95
Hawthorne avenue bridge fund	469,391.50
Water fund, bond account	255,217.50

\$7,291,677.54

DISBURSEMENTS.

General fund	\$ 530,613.22
Fire Department fund	352,714.96
Police Department fund	235,414.15
Bonded indebtedness interest fund	124,559.59
Chemical National Bank of New York.....	33,425.00
Chase National Bank of New York	4,110.00
N. W. Harris & Co., of New York.....	14,820.00
Blair & Co., of New York	600.00
Lighting fund	115,146.95
Street repair fund	107,423.84

Public library fund	26,734.51
Park fund	71,810.28
Water fund	377,373.87
Water bond interest fund	144,950.00
Water bond sinking fund	102,850.00
Improvement fund	6,417.08
Improvement bond sinking fund.....	123,065.42
Improvement bond interest fund.....	114,193.43
Street and sewer interest fund.....	14,617.90
Police and Fire Department relief fund.....	5,350.78
Redemption fund	3,645.01
Bill posting badge fund	9.00
Special bridge fund	800.00
Street improvement funds	1,870,408.69
Sewer funds	179,775.20
Street extensions funds	22,969.79
Water main funds	2,500.00
Park and boulevard fund	404,980.95
Hawthorne avenue bridge fund	61,315.95
Water fund, bond account	62,700.00

Total disbursements\$5,115,295.48

Total balance December 31, 1909..... 2,176,382.06

Total receipts\$7,291,677.54

The total amount expended during the year 1909 was as follows:

General fund	\$ 539,679.39
Fire Department fund	351,954.40
Police Department fund	238,365.33
Bonded indebtedness interest fund.....	134.50
Lighting fund	99,033.84
Street repair fund	106,861.11
Public library fund	26,893.90
Park fund	72,516.86
Water fund	370,988.71
Water bond sinking fund	102,850.00
Improvement Bond sinking fund	11.00
Improvement bond interest fund.....	1.54
Street and sewer interest fund.....	16.73
Police and Fire Department relief fund.....	5,455.17
Redemption fund	3,735.21
Special bridge fund	800.00

Park and boulevard fund	404,980.95
Hawthorne avenue bridge fund	61,317.05
Water fund, bond account	62,700.00
	\$2,448,295.69

The available balance remaining in the following funds January 1, 1910, with all outstanding warrants paid, were as follows:

General fund	\$ 229,435.32
Fire Department fund	137,996.41
Police Department fund	45,866.62
Bonded indebtedness interest fund.....	72,840.13
Lighting fund	57,236.18
Street repair fund	49,624.04
Park fund	31,980.60
Special bridge fund	156,032.29
Water fund	170,169.55
Police and Fire Department relief fund.....	673.38
Water bond sinking fund	1,320.98
Park and boulevard fund	105,918.78
Water fund, bond account	115,992.06
Hawthorne avenue bridge fund	407,842.51
	\$1,582,928.85

The Auditor reports the following as the franchise accounts for the year 1909:

PORTLAND RAILWAY COMPANY.

Amount due under provisions of Ordinances Nos. 13177 and 13089, and 19176, for 1909.....	\$6,500.00
Amount paid to City Treasurer during 1909.....	6,500.00

PACIFIC STATES TELEPHONE & TELEGRAPH COMPANY.

Amount due under provisions of Ordinance No. 12590, for 1909	\$1,000.00
Amount paid to City Treasurer during 1909.....	1,000.00

PEOPLE'S MARKET ASSOCIATION.

(In litigation.)

CITY MESSENGER & DELIVERY COMPANY.

Amount due under provisions of Ordinance No. 13897 for 1909	\$ 200.00
Amount paid to City Treasurer during 1909.....	200.00

WILLAMETTE VALLEY TRACTION COMPANY.

Amount due under provisions of Ordinance No. 15428 for 1908	\$ 440.00
Amount due under provisions of Ordinance No. 15428 for 1909	440.00
Amount paid to City Treasurer during 1909.....	\$ 880.00

UNITED RAILWAYS COMPANY.

Amount due under the provisions of Ordinance No. 15427 for 1908 and 1909.....	\$2,400.00
Amount due under the provisions of Ordinance No. 14564 for 1907	500.00
Amount due under the provisions of Ordinance No. 17853 for 1908 and 1909	1,000.00
	\$3,900.00
Amount paid to City Treasurer during 1909.....	\$1,700.00
Amount due on account of 1907 and 1909.....	2,200.00
	\$3,900.00

HOME TELEPHONE & TELEGRAPH COMPANY.

Amount due under provisions of Ordinance No. 14699 for 1908	\$1,727.53
Amount paid on account of 1908.....	1,727.53

The amount due under the terms of the franchise being a percentage of the receipts, and no statement for 1909 having been furnished up to this date, it is impossible to designate the amount due.

Four engine houses are in course of construction, which will cost approximately \$60,000, and a contract has been awarded for two fire engines, at a cost of \$12,200, which amount will have to be paid out of the available balance in the Fire Department fund.

The expenditures on account of the park and boulevard fund include the purchase of the following described property, to be used for parks and playgrounds:

That part of the northeast quarter of the southwest quarter of Section 15, Township 1 North, Range 1 East, Willamette Meridian, which lies between the north line of West

Piedmont and the center line of Portland boulevard, and between the center line of Albina avenue, extended, and a line 130 feet west of and parallel with the north and south center line of said Section 15, containing 20 $\frac{1}{2}$ acres, more or less, subject to the right of the public over the streets known as Portland boulevard, Albina avenue, extended, and an unnamed 60-foot street, the center line of which is the east line of said tract.....\$60,000.00

Lot or tract 12, Mount Tabor Park..... 3,200.00

Lot or tract "G," Mount Tabor Park..... 8,400.00

Commencing on the north line of the David D. Prettyman Donation Land Claim, in Section 5, Township 1 South of Range 2 East, of the Willamette Meridian, at a point 160 rods east of the northwest corner, running thence east 18 rods; thence south 80 rods; thence west 18 rods; thence north 80 rods to the place of beginning, containing 9 acres of land. Also all the following bounded and described real property: Beginning at a point on the north line of the David D. Prettyman Donation Land Claim, in Section 5, Township 1 South, Range 2 East of the Willamette Meridian, 29 chains and 75 links east of the northwest corner of said donation land claim, and running thence easterly along the north boundary line of said claim 10 chains and 25 links; thence south 5 chains; thence westerly and parallel with the north line of said donation land claim 9 chains and 75 links; thence north 5 deg. 45 min. west 5 chains and 3 links to the place of beginning, containing 5 acres.... 23,600.00

Lots 14 and 17, Belmont Park..... 8,210.00

Block 125, University Park..... 5,253.25

Lot "D," Mount Tabor Park..... 4,300.00

Lot or tract "T," Mount Tabor Park, and the west 90 feet of lot or tract "Q," Mount Tabor Park..... 3,750.00

Lot "H," Mount Tabor Park..... 5,500.00

Lots "F" and "G," Belmont Villa..... 5,550.00

All of lots or tract "A," "C," H-2, "I," "J," "K," "L," "S," and "U," and all of lot or tract "R," except the westerly part thereof, 10.85 feet wide at the north end..... 23,600.00

Lot 13, Belmont Park 6,890.00

Commencing at the northeast corner of the Dressel Addition, in D. D. Prettyman's Donation Land Claim, in Section 5, Township 1 South, of Range 2 East, of the Willamette Meridian; thence running west along the north line of said addition 322.65 feet to an intersection with the west line of the 19.56-acre tract formerly owned by Henrietta Frohman; thence north along the west line of said Frohman tract 660 feet to the northwest corner of said Frohman tract; thence east 320.5 feet along the north line of said Frohman tract; thence south with a slight deviation to the east 660 feet to the place of beginning 6,832.00

Lots 16, 18 and 19, Belmont Park..... 17,192.00

Beginning at the point of the intersection of the west line of East Seventh street with the north boundary line of the former town of Sellwood, said point being 1717.32 feet north and 2080 feet west of the quarter-section corner between Sections 23 and 26, in Township 1 South, Range 1 East, of the Willamette Meridian; thence running north along the west side line of East Seventh street 1172.68 feet; thence west 249.80 feet; thence south 44 deg. 58 min. west 135.38 feet; thence south 63 deg. 26 min. west 217.4 feet; thence south 177.08 feet; thence west 100 feet; thence south 802.68 feet to a point in the north boundary line of the former town of Sellwood; thence east along the boundary line of said former town of Sellwood 640 feet to the place of beginning, containing 15.63 acres of land..... 47,000.00

Lot or tract 11, Mount Tabor Park..... 3,700.00

All Lot 4, Belmont Park, and all that part of block or lot "Z," Tabor Heights, which lies south of the center line of Broughton avenue, as shown by the duly recorded map of Belmont Villa, and that part of Block "Z," in Tabor Heights, bounded as follows: Beginning at the northwest corner of said Block "Z," from thence running easterly along the north boundary line thereof to a point midway between the east and west boundary lines of said Block "Z"; thence southerly and parallel with the west boundary line of said Block "Z" to the north boundary line of Broughton avenue; thence westerly along said north boundary line of Broughton avenue to the west boundary line of said Block "Z";

thence northerly along west boundary line of said Block "Z," to the place of beginning.....	19,237.50
A tract of land in "Kenilworth" for park purposes.....	15,300.00
Block "Y," Tabor Heights, which lies south of Broughton avenue	750.00
Beginning at a point in the east line of East Sixtieth street (West avenue), 960.2 feet north of the south boundary of the David D. Prettyman Donation Land Claim; thence east 1,000 feet on the south line of East Lincoln street produced; thence south on a line parallel to the east line of East Sixtieth street to intersection with the south boundary of property deeded by Levi White to Isam White, and recorded on page 423, Deed Book 193, Multnomah County Records; thence east on said south boundary to the southeast corner of said property; thence north to the northeast corner of said property; thence west on the north boundary of said property to a point 1,000 feet east of the east line of East Sixtieth street; thence south on a line parallel to the east line of East Sixtieth street to a point 200 feet north of the south line of East Lincoln street produced; thence west 1,000 feet on a line parallel to the south line of East Lincoln street produced, to the east line of East Sixtieth street; thence south 200 feet to the place of beginning, containing 9.4 acres	22,500.00
Beginning at a point on the north boundary of that certain tract of land deeded by Isam White and Rose White to Levi White, and recorded in Book 192, Page 64, Multnomah County Records, which point is 1,025 feet east of the west boundary line of the David D. Prettyman Donation Land Claim; thence south 1 deg. 04 min. east 321.3 feet, to the north boundary of a 10-acre tract of land heretofore deeded by Levi White and Zipporah White to the City of Portland, and recorded in Book 206, Page 204, Multnomah County Records; thence north 89 deg. 47 min. east 295 feet; thence north 1 deg. 04 min. west 320.2 feet to a point in said north line of said tract of land described in said deed from Isam White and Rose White to Levi White; thence west 295 feet to the place of beginning, and containing 2.17 acres	5,000.00
Lot 5, Belmont Park	11,000.00

Lots "B" and "E," Mount Tabor Park.....	5,460.00
A tract of land containing 30.322 acres, being situated in Laurelhurst	92,482.10
South one-half of Block "B," Patton's Tract, except northwest 100 feet by 100 feet.....	Transferred from Water Dept.

EXECUTIVE BOARD.

I beg to express my grateful appreciation of the very valuable services rendered by each and every member of the Executive Board who assumed their position upon the incoming of the present administration, July 1, 1909. The duties of the Executive Board are most important and responsible. The board controls the purchase of and payment for all materials for supplies needed by the city. Street paving, sewer construction and other public improvements are conducted under its supervision and direction, and contracts for same are let by it. Claims on account of these improvements, as well as for the payment of salaries and compensation of officers and employes of the municipality are audited and payment authorized by the Executive Board. The City Engineer, Fire, Police, Street Cleaning and other departments are also under the direct supervision of this board.

The advice, counsel and assistance rendered the City Executive by the various members of the board have been of incalculable benefit to him in the performance of his duties as Mayor, and he deems it his duty to thus publicly testify thereto.

CITY ENGINEERING DEPARTMENT.

The thriving prosperity of the country and the increased and increasing material wealth of the city and its people are nowhere more accurately shown than in the vast amount of work that is conducted by and under the supervision of the City Engineer of Portland, Oregon. For several years the annual aggregate of this work has regularly grown greater, till the measure for the year 1909 has been limited only by the ability of local contractors to do the work; and, vast as has been the results obtained in the construction of bridges, street pavements and similar improvements during the past year, already the work now prepared for the year 1910 is far in excess of everything accomplished during any previous year. In fact, local contractors in many instances admit the inadequacy of their plants to do more than half the work that will be called for in the improvement of streets and the construction of sewers and bridges, although some of them have already arranged to double the capacity

of their plants; and a great call for many more contractors, mechanics and laboring men will be heard in the city before the season closes.

It is difficult to appreciate the vast amount of careful forethought, painstaking labor and conscientious consideration that is required to properly plan, estimate and specifically describe each individual part of every street improvement, as the City Engineer and his assistants are required to do, before the same is undertaken. It is something of an acquirement to be able to tell what has happened after it has been done, and those who understand this fact will appreciate the difficulty of accurately planning and minutely describing millions of dollars worth of work before it is undertaken, to say nothing of the added labor, care and trouble of seeing that all these various kinds of improvements have been correctly constructed and accurately and properly measured. It ought not to be overlooked that this municipality is by far the largest corporation in the State of Oregon.

While the volume of the work accomplished during the past year far exceeds that of any other season, I feel that the greatest satisfaction is to be derived from the fact that we have been able to show to the property owners of this city that the time has come when macadam and gravel, most economical for the village or country road, are no longer advisable or satisfactory as street pavements in the City of Portland, the business requirements and general wealth of which demands and is amply able to pay for hard surface pavements of the most improved and permanent description. And there is economy as well as satisfaction and enjoyment in having residence streets and business thoroughfares improved with smooth, hard pavements, for such streets are much cleaner at all times, and the cost of cleaning and sprinkling them is but a moiety of that required for other roadways.

I am pleased to find that the city officials generally fully approve my determination that we should relegate gravel and macadam, and insist upon hard surface for all streets that are to be improved otherwise than by earth grading and cement sidewalks; and I feel that this determination will mark an epoch in the wonderful growth of our beautiful city, for which we all will be thankful and proud.

In the matter of these permanent improvements I have been ably assisted by the City Engineer in my demand for reduction in the cost of the same, and already the results have been quite material. In fact, the City Engineer has estimated that this saving to the property owners will amount to fully half a million dollars within the next twelve months.

BROOKLYN SEWER.

Another matter that is a source of great satisfaction is the completion of the great Brooklyn sewer and the termination of the controversy that had arisen between the contractors and the former administration. The urgent need for the use of the sewer was general and pressing throughout the immense district which it was destined to benefit, and the avoidance of vexatious litigation with the contractors or property owners is a commendable result of no mean importance.

The total cost of the Brooklyn sewer was \$284,053.75, of which \$269,783.62 was paid to the contractors, and the balance, \$14,270.13, embraced the charge for engineering, superintendence, and rights of way. The district assessed for, and to be served by this sewer, embraced about 2,450 acres, equivalent to approximately 15,000 city lots and the streets adjacent thereto. It is estimated that the lateral and subsidiary sewers necessary to complete the sanitation of the Brooklyn sewer district will cost in the neighborhood of \$1,000,000, and plans and specifications for a great part of these have been completed within the last few months, and others are well in hand, so that during the approaching season the greater part of these important conveniences will be completed.

In other parts of the city numerous lateral sewers have been ordered or are under construction, while immense sewers are being planned and located for other districts, chief among which is the territory northeast of Irvington, embracing Vernon and Woodlawn; the Sullivan's Gulch system, embracing Laurelhurst and parts of Montavilla and Rose City Park; and soon there will be demands for similar systems of sanitation in other parts of the city, so that it is readily seen that the work in hand and in prospect for this department of the City Engineer's office is quite stupendous, and its ultimate cost will readily reach into the millions of dollars.

EAST TWENTY-EIGHTH STREET BRIDGE.

The subject of the reinforced concrete bridge, another controversy which this administration found on its hands, has not yet been fully disposed of, and its settlement may result in extended litigation. I do not believe that the location of this bridge was judicious, for equal public benefits might have accrued from locating this bridge on an adjacent street, and its cost curtailed 50 per cent. This bridge has not been accepted by the city. The claim of the contractors is for \$71,000, which has not been allowed. Acting with the approval of the Executive Board, I proposed to the contractors that

they complete the bridge and make the requisite repairs, according to the requirement of Messrs. Waddell and Harrington, bridge engineers, and when this shall be done the city will pay the contract price, each party reserving the right to resort to the courts for any just claim that either has against the other. This offer has been accepted by the contractors and the bridge is now being completed.

OTHER BRIDGES.

It is confidently expected that three new and commodious steel bridges will shortly be added to the means of transportation across the Willamette River in this city. The work of constructing the new Madison street or Hawthorne avenue bridge is well under way, and will probably be completed within three or four months, unless the work shall be still further delayed by unusual bad weather conditions. The new railroad bridge that will be built across the river a short distance south of Holladay avenue will probably be opened for traffic during the current year; and I confidently expect to join in celebrating the completion of the Broadway street bridge long before my term of office expires, although there appears to be contrary interests which threaten to interpose every conceivable obstruction to the erection of that much-needed viaduct.

Detail references are made to the above and many other matters relating to this office in the annual report of the City Engineer for the year 1909, which will prove to be interesting reading for those concerned in these affairs.

It may be proper to say that the conduct of the City Engineer's department has been efficient and satisfactory, and I believe that every effort will be made to see that all public needs are attended to, and that each employee shall render satisfactory service to the city.

THE POLICE DEPARTMENT.

The police force of this city comprises 177 officers and employes, as follows: 1 chief of police, 4 captains, 9 sergeants, one of whom is assigned to work for the Humane Society, and 1 to work in the detective department; 11 detectives, 1 matron, 1 female detective, 1 female clerk, 149 patrolmen, who are assigned as follows: 3 to the Harbormaster, 3 as jailers, 3 as desk men, 3 as patrol drivers, 1 to City Hall, 4 to plainclothes work in the detective department, 1 as secretary to the chief, 1 as bailiff of the Municipal Court, 9 as mounted police, and the balance are assigned to regular patrol duty.

The annual budget, which was recently submitted to the Council,

and received favorable action, contemplates an addition to the police force for the year 1910 of three sergeants and 16 patrolmen.

The headquarters offices, waiting rooms, detention cells, patrol barn, jail and municipal courtrooms for the entire police force are in the old three-story brick building at Second and Oak streets, which is inadequate in every respect, and not in the best possible sanitary condition. In fact, the congestion in this building has been so great that the building of a new structure has been urged for several years, and this was about to be commenced by this administration when the matter was settled in a more economical manner by effecting an arrangement with the County Court of Multnomah County, whereby accommodations will be made in the new county courthouse for the police headquarters, Municipal Court, city jail and other accessories of this department.

The Portland police force is now in an unusually effective condition, being highly disciplined, well organized and generally strengthened by the spirit of good-will and co-operation which obtains among the rank and file of the department.

It is earnestly desired that there will continue to be a spirit of loyalty to duty that will raise the department to the highest character of harmony and efficiency.

THE FIRE DEPARTMENT.

This section of the municipal administration is in a most satisfactory condition, and seems fully adequate to the requirements of the demands made upon it. The apparatus in this department comprises fourteen steam fire engines, three chemical engines, five hose wagons, five hook and ladder trucks, one fireboat in active service, and two steam engines in reserve. In the management of the department there are employed, besides the Chief of the Fire Department, 234 men.

The importance of the Fire Department to the welfare and growth of the city has never been overestimated, its efficiency everywhere acknowledged, amply justifying the liberal financial support which the taxpayers have always most willingly furnished for its extension and maintenance.

I believe the department will be fully able to cope with any conflagration that it shall be called upon to contend with. There has been an insistent demand in some quarters for the construction and installation of an additional fireboat. I have not found, however, that the situation is such as to justify approving the expenditure of

the large sum which would be required to build, install and maintain in operation a second fireboat. The present river apparatus has successfully met the calls upon its service, and I believe it will continue to meet all requirements for some time to come.

THE PARK DEPARTMENT.

In the matter of acquiring lands for park sites, I found it advisable to call a halt in the unreasonable rush to invest all the money that could be obtained in such a short time, and with such precipitate eagerness that speculators were asking far more for acreage than the usual market price would justify. It seemed to me to be unnecessary to invest all our available means within a few months or during a single season, and wise to make use to some extent of the land we have acquired before adding all the park lands that will be needed in the next generation. We also need to have a regard for the taxpayers, who must take care of the financial side of these expenditures.

I am heartily in favor of ample park lands and playgrounds, which mean much in bringing out the healthful and beneficial recreation of our fellow-citizens, the youths and children in particular, and have already advocated and approved of the purchase of a number of park sites in various sections of the city, aiming to provide every district with a reasonable allotment of parks and playgrounds, always requiring that the price at which the land may be obtained shall in itself be an inducement to the purchase. In this connection I desire to make mention that recently Mrs. C. M. Cartwright and others of the Terwilliger heirs have donated to the Park Department a long strip of land for a scenic boulevard. It would be well for the city if many other property owners should become imbued with a similar generous impulse, for such actions are really like the poet's idea of mercy, which "Blesses him that gives and him that takes."

It would undoubtedly be profitable to landowners if they should donate to the city the right of way for a boulevard of unparalleled scenic vistas, that would follow the summits of the hills to the westward of the Willamette River and extending from Oswego to Holbrook, for these villages, it is firmly believed by many, will some day be parts of this great metropolis.

In line with these ideas are the efforts which are well-nigh accomplished, to induce the Oregon Railway & Navigation Company to donate land for park purposes. The local officers of this corporation readily acquiesced in the suggestion of the donation, and those more directly concerned in the monetary consideration of the matter seem heartily in accord with the arrangement.

It is the intention of the Park Board to expend a considerable amount of money during the year 1910 for the purpose of improving, beautifying and making available for use and enjoyment the lands which have been already acquired by the city, and it is confidently believed that before the close of the year the citizens generally will feel that the Park Board is imbued with a most liberal conception of their duties and opportunities, and that the wisdom of their actions will be measured by good results which will receive the approval of every one interested in the Park Department and its operations.

MUNICIPAL CIVIL SERVICE.

The beneficial results which have accrued from the authority vested in the Civil Service Commission have fully justified the expenditures that have been made to support that department of the city government, and much credit is due the gentlemen comprising its membership. The principal expenses are for a clerk and a stenographer. The whole cost of operating the department has been approximately \$2,500.

The most commendable part of the results obtained by this department is that the employes of the city who are competent and faithful are not discharged at every change of political administration, and the employes are thus able without interruption to perform their duties more efficiently.

STREET LIGHTING.

After months of contention under the preceding administration the city authorities found themselves virtually at agreement with the Portland Railway, Light & Power Company for lighting the streets of the city for a term of five years from July 1, 1909, at rates which were generally known to be reasonable, and which has certainly been found to be the best that the city could obtain. This contract although authorized by the preceding Executive Board had not received the signature of the Mayor.

After fully canvassing the situation, I arrived at the conclusion that nothing better could be accomplished, and I executed the contract on behalf of the city. This ended a controversy that had been consuming considerable time and money, and its termination was essential.

On further investigation, incumbent upon the necessity of furnishing street lights throughout the many districts that have been improved or added to the city during the last few years, I found that, as a matter of economy, it would be necessary to make some rear-

rangement of the system of distributing the arc lights in order to meet the reasonable demand for service and at the same time have due regard to the burden upon the taxpayers.

Provision in the tax estimates has been made for greatly enlarging the number of street lights, information is being gathered, and plans are in course of preparation, and it is believed that within a reasonable time every part of the city will be satisfactorily lighted.

STREET CLEANING AND SPRINKLING DEPARTMENT.

This department has rendered acceptable service, although the dust and mud resulting from the gravel and macadam streets are so great where the traffic is considerable, that a total eradication of either dust or mud is wholly impossible. It has been found that the use of oil on such streets is most satisfactory, and I believe that it is also a matter of decided utility and economy, so that we shall endeavor to extend the application of oil where possible, which plan, together with the great advantage in this department of hard surface pavements which are being rapidly extended to all parts of the city, will enable us to give much better and more widespread service, with possibly less expense to the city.

After earnest consideration, it has been decided to have the streets in the business districts of the city cleaned by the flushing process, and apparatus is being assembled for this purpose, and will be put in operation at an early date. I believe that this system in operation will be highly commendable, not only from the financial standpoint, but also on account of the sanitary conditions that will result.

In the interest of economy and for the betterment of the service, a new and commodious barn for this department has been determined upon, and will be erected at Powell and Milwaukie streets, so as to have a force of Street Cleaning Department employes contiguous to the southeastern part of the city. Contracts have already been entered into for the construction of such building, to be reinforced concrete, and costing approximately \$38,000.

THE HEALTH DEPARTMENT.

The officers of this department have discharged the important duties of their position with marked efficiency, and the health of the city has been unusually good during the past year. No epidemics of ill-health or contagious diseases have marred the normal excellent health record, and we seem to have greater reason than ever to be highly appreciative of the pre-eminent excellence of our climate and

the purity of Bull Run water, for it is largely to these that the good health of Portland is to be attributed.

Special attention has been given to the inspection of milk and other food supplies, and persistent efforts will be continued along these lines to do everything that is possible to protect the health and lives of our fellow-citizens.

The annual death rate is only 7.04 per 1000 of the inhabitants of the city, at an estimated population of 275,000, and this result is the best possible demonstration of the pre-eminent healthfulness of our beautiful and thriving city.

DEPARTMENT OF PLUMBING INSPECTION.

Intimately related to the inspection of buildings and the Health Department is the work of the Plumbing Inspector and his assistants. For a comprehensive statement of what has been accomplished by this department, I refer you to the report made by the Plumbing Inspector.

INSPECTION OF BUILDINGS.

The introduction of immense buildings scientifically planned for construction in steel or reinforced concrete has made of the Building Inspector's office a most important adjunct of the city government. Never in the history of this metropolis has the importance, cost or number of buildings been so great, and we anticipate that the current year will advance the record considerably.

BUILDING REGULATIONS.

The Council on July 28, 1909, adopted a resolution authorizing the Mayor to appoint a committee to revise the building ordinance of the city. This is a matter of urgent importance, the building ordinance of the city being now in hopeless confusion. Pursuant to such authority, I appointed a committee for the purposes mentioned, and this committee has called to its assistance three of the leading architects of the city. The gentlemen and the Council committeemen have given earnest and conscientious attention to the duties imposed upon them by their appointment. I am advised that substantial progress has been made by the committee and the architects assisting, and that we may at an early date look forward to a complete and practical working code for the Building Department of the city.

FREE EMPLOYMENT BUREAU.

The congestion of office room in the City Hall made it advisable

to secure quarters elsewhere for the Free Employment Bureau, which was established under direction of a commission early in the year just past. It is now located on the south side of Madison street, between Third and Fourth streets. The success of this venture has been marked and satisfactory, and many laboring men and women have been given employment or directed to same without cost or expense to them.

HARBORMASTER'S DEPARTMENT.

Decided improvement has been made in the appearance of the river front within the last few months by the removal of the scow dwellers from the open spaces along the shores of the river; and the Harbormaster is entitled to special credit for the successful manner in which he disposed of this matter, as well as for the efficient services generally that he has rendered the city.

Shortly after the present officials took charge of the affairs of the city there was completed and placed in service the elegant, well-equipped and efficient harbor patrol launch Elidor. This launch has met every expectation and rendered most valuable service in policing the city harbor and in many other ways.

THE POUND DEPARTMENT.

This department of the city government has been conducted with satisfactory results, the policy having recently been to advise the people interested of the necessity of licenses, thus giving all an equal opportunity of complying with the law, and in many cases avoiding unpleasant circumstances, as well as making the work of the department more uniform and systematic.

GARBAGE CREMATORY.

When I assumed the duties of Mayor, I was imbued with the idea that the present means of disposing of the garbage of the city might be made to serve its purpose for several years, and thus save the taxpayers the expense of a new and larger crematory. However, a thorough inspection and study of the situation has convinced me that the present apparatus is not only inadequate, but almost worn out. I therefore called to my aid the members of the Health and Police Commission of the Council, and the members of the Health Board with the result that plans of procedure were outlined and bids were called for and received. These, however, did not meet the requirements, and new proposals were called for on specifications that

will fully protect the interests of the city and provide the most efficient garbage consumer that can be obtained.

It is the intention of the administration to press construction of this crematory to completion in the shortest practicable period. I feel confident that a new crematory will be constructed and in operation within the next few months.

MUNICIPAL TRANSPORTATION.

The street car lines have been extended to practically all parts of the city and the suburbs, and I am persuaded there is no just complaint in this regard, but rather commendation for the enterprise displayed by the owners of these means of municipal transportation. There are now within the boundaries of Portland and its immediate suburbs 164 miles of car track, an increase of 6.5 miles of track within the past year. I am advised that street car traffic in this city is now four times as great as it was nine years ago.

While it must be conceded that the Portland Railway, Light & Power Company has not kept pace with the growth of the city, and on account of which there has been much just criticism and complaint over the inadequate car service in many sections of the city, it is well to bear in mind that the sudden and rapid extension of the area of hard surface pavement in this city has imposed upon that corporation the burdensome obligation of rebuilding a large proportion of its tracks in a most expensive manner, and requiring much time in which to do the work. Notwithstanding this fact there is, however, a just and widespread demand for general and material betterment of street car service, and while this has been partially met, there is room for much improvement. In this connection, I desire to call your attention to the provision of the city charter which empowers the Council to reasonably regulate in the public interest the street railway service, and I earnestly recommend that such action be taken by your Honorable Body as will meet the just expectations of the public, and at the same time deal fairly with the transportation companies involved.

I also desire to call your attention to the necessity of determining the subject that has long been under consideration by your Honorable Body, and that is that the street railway companies be required to place more efficient fenders upon their cars, so that every possible measure of protection shall be afforded to the public. There has already been too much delay in this matter.

INDEBTEDNESS AND SINKING FUND.

It is not unwise even for a great and wealthy corporation like

the City of Portland to take note of the fact that some day its debts must be paid. In my opinion, the time has come when the city should begin the accumulation of means with which to eventually liquidate its obligations.

The wisdom of maintaining the Water Department sinking fund can well be applied to all other fixed indebtednesses of the city, and I therefore recommend that a sinking fund shall be provided for as a means of paying off all the bonded obligations of the city.

Believing that the City of Portland should not be required either to compete for or pay a premium on bonds that it may desire for any of its sinking funds, I have induced the Ways and Means Committee of the Council to allot such a number of bonds as may be required for any of the sinking funds at par and accrued interest. At a recent offering of bonds by the Ways and Means Committee of the Council, I secured such allotment of bonds as was required for the water fund and police and fire relief funds at par and accrued interest. I am pleased to state that the committee concurred in my views on this subject, and have shown a willingness to co-operate with me in furnishing such bonds upon the terms stated. I trust that the precedent thus established will be followed, as it will result in great benefit to the city, and in the protection of its funds.

The following is a statement of the bonded indebtedness of the City of Portland, which aggregates the sum of \$6,926,500, and on an estimated population of 275,000 amounts to \$25.18 per capita:

DETAILED STATEMENT BONDED INDEBTEDNESS, DECEMBER 31, 1909.

General	\$ 486,500
Water bonds	3,150,000
City Hall bonds	675,000
Bridge bonds	1,550,000
Park and boulevard bonds	500,000
Ferry bonds	115,000
Former City of East Portland.....	300,000
Former City of Albina	150,000

TREASURY DEPARTMENT.

The various city funds at this date show a healthier condition than at any previous period in the history of the city. Indeed, the amount of money in the City Treasurer's hands is abnormally large, full details of which are shown in the Treasurer's report. The greater portion of these funds are deposited subject to call with the leading

and responsible banks of the city. These funds, under the careful and economical management of City Treasurer Werlein, have been made to earn during the past year the sum of \$24,536.07. The volume of business transacted during the year 1909 aggregated \$7,291,677.54.

I desire to compliment the City Treasurer upon the very efficient and satisfactory manner in which he has performed the duties of his office.

WATER DEPARTMENT.

The report from this department, which is herewith submitted, will give the details of its receipts, disbursements, etc. Its total receipts for the year 1909 were \$570,730.60, which were 5.9 per cent less than for the year 1908. During the year 1909 the meter rates were 20 per cent less than during the preceding year, but owing to the growth of the city and the increase in the number of water consumers the decrease in the receipts were only as stated.

A matter of much concern has been that of fixing water rates for the current year, so that there should be a more equitable charge for minimum quantities of water consumed. The minimum meter rate during the past year has been twenty-five cents per month. This is universally conceded to have been too low. The Council, therefore, on December 29th, 1909, in pursuance of the recommendation of the Water Board, increased the minimum meter rate to 75 cents per month. Aside from this, and making a slightly lower rate to large consumers of water, no change has been made in water rates.

The total length of water mains laid during the year 1909 was 10.5 miles, as follows: 2.25 miles were laid and paid for by receipts for water sold. The material and funds for laying most of these mains had been provided for before the charter amendment of 1907; 7.8 miles of mains were laid by contract as provided by the charter amendment, and .4 miles were laid by private parties at their own expense, and for which the city has assumed no obligation.

During the past several months the Water Department has been engaged with plans for installing a second supply pipe between Bull Run River and the initial receiving reservoir, and has proceeded to the point of awarding contracts for the necessary storage reservoirs at Mt. Tabor, upon which work has already been commenced. It is also contemplated that contracts will be awarded for laying the main at an early date.

I feel that I should call your attention to the difficulty that the Water Board has experienced in securing bidders for laying water

mains. The charter provides in effect that all water mains laid, less than ten inches in dimension, must be assessed to and paid for by the property owners directly benefited, in the same manner as assessments are made for sewers and drains. Since the adoption of this charter provision, it has been found almost impossible to induce contractors to bid for the laying of water mains, a feeling of doubt and uncertainty as to payment for work so done having arisen in the minds of such contractors. The necessity for laying a large number of water mains being urgent and the demand therefor persistent, the situation became quite serious, and to remedy the difficulty confronting us, after earnest and mature consideration, it was determined by the Water Board that the only means for promptly and efficiently relieving the situation was to secure an amendment to the charter requiring all water mains to be installed by the Water Board and paid for out of the water fund. To secure this result a special election has been called by your Honorable Body for February 15, 1910, to amend the charter, in the particular referred to. If the amendment proposed shall be adopted, the laying of all distribution pipes will proceed under the direction of the Water Board, and with funds under its control and a solution of the problem this will thus be accomplished and be particularly fortunate, greatly tending towards the growth and development of the city.

INVESTIGATION OF FRANCHISES.

Section 151 of the charter requires the Mayor to cause a careful investigation to be made of the exact condition of franchises theretofore granted to the city and of the respective rights and obligations of the parties, and the performance of the same, and he is required to report the results thereof in his annual message. I beg to advise your Honorable Body that I am investigating the franchises heretofore granted by the city, and embraced in the section of the charter referred to, and am giving the same my earnest consideration, but have not sufficiently completed the investigation to be able to report to you therein at this time. I shall take the liberty of addressing you at a later date in respect to this matter.

CONCLUSION.

In conclusion I beg to congratulate the members of the Council as well as the people of Portland upon the growth and prosperity of the city during the past few years. It is not extravagant to say that the City of Portland has forged ahead with a remarkable rapidity, and its growth has been almost phenomenal. I need hardly emphasize the fact that it is now on the eve of even greater and more wonderful

development, and that at no period of its history has the outlook for Portland been brighter than it is today.

I feel that the members of the Water Board, Health Board, Park Board and Civil Service Commission, all of whom perform services of great value, giving generously of their time, are entitled to my warmest thanks, and I wish to express my grateful appreciation thus publicly for their faithful and conscientious labor in the city's behalf.

I also desire to thank the members of the Council for the valued assistance rendered me in the discharge of my duties as Mayor, and it gives me pleasure to call attention to the harmonious and cordial support from the members of your Honorable Body that I have invariably received. I believe that I am justified in stating that it has been the purpose of the Council, as well as all other officials of the city, to give the people of Portland the best service they are capable of.

The satisfaction that comes to me therefrom is enhanced by the fact that great as has been the growth, thrift and prosperity during the year just closed, the ensuing twelve months is destined to show a far greater growth and prosperity, which, without doubt, will be the most substantial and permanent in the history of the city.

Respectfully submitted.

JOSEPH SIMON, Mayor.

SUMMARIES OF STATEMENTS FILED BY PUBLIC SERVICE CORPORATIONS.

AMERICAN DISTRICT TELEGRAPH COMPANY OF OREGON.

Profit and Loss Account, Portland, Oregon, Quarter Ending September 30, 1909.

Earnings.

District messenger service	\$ 1,807.32
From telegraph company	4,013.11
From signal service	2,327.55
Miscellaneous receipts	224.50—\$8,372.48

Expenses.

Messenger operating expense.....	\$ 4,032.49
Repairs messenger department	159.35
Proportion general expense.....	750.00
Signal operating expense	667.47

Repairs signal department	327.35
Proportion general expense.....	750.00—\$6,686.66

Net receipts\$1,685.82

Assets.

Uncollected accounts	\$ 456.08
Value of plant	15,000.00

Liabilities.

Advance collections	\$1,030.00
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HOME TELEPHONE COMPANY, PORTLAND, OREGON.**Statement of Receipts and Disbursements for the Quarter Ending March 31, 1909.**

Balance, report of December 31, 1908..... \$15,235.24

Receipts.

Rentals and miscellaneous earnings.....	\$63,147.81
Bond sales	16,890.00

Disbursements.

Expense, maintenance and operation.....	27,876.51
Construction, labor, material, tools, etc.....	18,111.82
Interest, taxes and insurance.....	12,492.16

Cash on hand March 31.....	\$ 32,712.04
Bills receivable	80,000.00
Accounts receivable.....	20,230.23

\$132,942.27

Bills payable	\$103,000.00
Accounts payable	18,772.84
Audited pay-roll.....	4,847.35—\$126,620.19

Balance\$ 6,322.08

\$ 6,322.08

\$80,037.81 \$80,037.81

No. telephones, March 31, 8,543.

THE PACIFIC TELEPHONE & TELEGRAPH COMPANY.

Plant and Property Statement, Portland Exchange, December 31, 1909.

Real estate\$ 154,318.58

Plant—

Exchange, pole lines.....	\$210,211.33
Exchange, right of way	24,583.00
Exchange, aerial cable	299,144.36
Exchange, aerial wire	51,664.85
Exchange, underground conduit, main..	334,197.74
Exchange, underground conduit, subsidiary	92,692.85
Exchange, underground cable, main.....	330,740.59
Exchange, underground cable, subsidiary	35,043.40
Exchange, underground cable house.....	9,950.50
Exchange, submarine cable	5,593.36
Equipment, central office	537,511.36
Equipment, subscribers' station apparatus	163,676.10
Equipment, subscribers' station installation	109,005.07
Equipment, subscribers' station drop wires	83,031.35
Equipment, subscribers station, interior block wires	57,775.00
Equipment, private branch exchanges....	46,193.16
Equipment, booths and special fittings...	3,959.80
Construction in process	36,379.42—\$2,431,353.24
Other property—	
Office furniture and fixtures.....	\$ 6,080.00
Tools and vehicles	6,100.00
Supplies	\$138,440.00—\$ 150,620.00
Grand total	\$2,736,291.82

THE PACIFIC TELEPHONE & TELEGRAPH COMPANY.

Revenue and Expense Statement, Portland Exchange, Quarter Ending December 31, 1909.

Revenue.

Exchange service	\$182,906.49
Toll service	5,831.15—\$188,737.64

Expenses.

General	\$ 6,737.22
Operating	66,741.20
Maintenance, repairs	\$35,277.28

Removing	24,203.96	
Depreciation of plant.....	29,904.51—\$	89,385.75
Rentals	8,652.34	
Insurance	1,696.71	
Taxes	5,182.54—\$	178,395.76
Net revenue		\$ 10,341.88

THE PACIFIC TELEPHONE & TELEGRAPH COMPANY.

Revenue and Expense Statement, Portland Exchange, Year 1909.

Revenue.

Exchange service	\$684,423.60	
Toll service	20,555.59—\$	704,979.19

Expenses.

General	\$ 26,013.89	
Operating	247,514.44	
Maintenance, repairs	\$137,082.96	
Removing	94,160.85	
Depreciation of plant.....	117,109.44—\$	348,353.25
Rentals	31,231.06	
Insurance	7,463.01	
Taxes	18,210.85—\$	678,786.50
Net revenue		\$ 26,192.69

THE PACIFIC TELEPHONE & TELEGRAPH COMPANY.

Summary of Annual Statement, January 1, 1910. Earnings and Expenses for the Year 1909.

Revenue.

Exchange service	\$ 8,933,796.05	
Toll service	3,091,991.20	
Miscellaneous	859,230.43—\$	12,885,017.68

Expenses.

General	\$ 468,235.49	
Operating	3,308,996.89	
Maintenance	4,100,571.05	
Rentals	539,350.93	
Insurance	78,963.65	
Taxes	321,820.10	
Miscellaneous	956,419.81—\$	9,774,357.92

Total net revenue.....	\$ 3,110,659.76
Interest	1,267,131.34
Dividends	1,080,000.00
Transfer to reserve for maintenance.....	600,000.00
Undivided profits	163,528.42
Total expended during the year on plant and real estate	5,622,575.00

ASSETS AND LIABILITIES DECEMBER 31, 1909.

Assets.

Plant	\$41,730,065.03
Real estate	2,753,424.93
Supplies, tools, teams and office furniture and fixtures	2,031,876.81
Bills and accounts receivable.....	1,610,182.52
Reserves	70,830.09
Cash	291,609.75
Stocks and bonds.....	15,781,161.79
Sinking fund (Sunset bonds).....	655,688.75
Reserve for discount and cost of sale of bonds	1,792,594.05

Total assets \$66,717,433.72

Liabilities.

Capital stock—preferred	\$18,000,000.00
Capital stock—common	18,000,000.00
Surplus	1,174,148.25
Bonded debt	23,000,000.00
Reserves (obligations)	327,010.07
Bills and accounts payable.....	3,881,938.51
Reserve for maintenance	2,334,336.89

Total liabilities \$66,717,433.72

Total number of stations, 392,822.

SUMMARY OF REPORT FILED BY THE NORTHERN PA- CIFIC TERMINAL COMPANY FOR THE QUARTER ENDING SEPTEMBER 30, 1909.

Assets.

Property owned as investment.....	\$ 7,295,045.54
Working assets	178,401.74
Deferred debit items	112,225.50
Income accounts	171,464.07—\$ 7,757,136.85

Liabilities.

Stock	\$ 3,864,960.00
Mortgaged, bonded and secured debt....	3,498,032.30
Working liabilities	129,030.76
Accrued liabilities not due.....	85,300.07
Deferred credit items	8,329.45
Income accounts	171,464.07—\$ 7,757,136.55

Cash Statement for Quarter Ending September 30, 1909.

To balance on hand July 1, 1909.....	\$ 26,275.53
To receipts from all sources.....	182,611.76—\$ 208,887.29
By disbursements	169,030.57
By balance on hand Sept. 30, 1909.....	39,856.72—\$ 208,887.29

Statistics Prepared by Chamber of Commerce

Portland is a metropolitan city.
 Portland owns a \$75,000 fireboat.
 Portland's water system cost \$4,250,000.
 Portland's area covers nearly 45 square miles.
 Portland is the largest city in the Pacific Northwest.
 Portland spent nearly \$2,000,000 in dredging its harbor.
 Portland is the largest lumber-producing city in the world.
 Portland has the only fresh-water harbor on the Pacific Coast.
 Vessels entering the Willamette River do not require their bottoms scraped, as the fresh water destroys the barnacles and loosens them.
 Portland's secret fraternal organizations have a membership of more than 26,000, and own property valued at over \$1,350,000.
 Portland has a total of 131 church buildings, valued at \$2,225,000.
 Portland street railways have a mileage of about 200, and an equipment of about 698 cars.
 Portland's telegraph offices handle between 11,000 and 12,000 messages daily.
 Portland's public library (not a Carnegie institution) contains 80,000 volumes.
 Portland is the natural distributing center of 250,000 square miles of rich territory.

Portland street railways employ nearly 1,700 persons, who earn \$1,200,000 annually.

Portland has more telephones in proportion to population than any city in the world.

Portland is the financial center of the Pacific Northwest, having 23 banking institutions.

Portland has four daily newspapers, besides a large number of weekly and monthly publications.

Portland's water supply is obtained from the crystal springs of Mount Hood, a distance of 40 miles.

Portland's harbor has a depth of 25½ feet. Electric conveyors are used in loading and unloading vessels.

Portland is a city of homes, there being about 30,000 homes, exclusive of hostelryes of all description.

Portland enjoys better water and rail transportation facilities than any other city in the Pacific Northwest.

Portland's citizens contributed \$400,000 in two days toward the Lewis and Clark Exposition, held in the fall of 1905. This was the only exposition which was a complete success in every respect ever held in the United States.

Portland ranks second in wheat exports in the United States, New York ranking first.

Portland's leading public institutions include four hospitals, numerous aid societies, orphan asylum, Seamen's Institute, etc.

Portland offers remarkable inducements to investors, tourists and settlers on account of the cheap cost of living and healthy climate.

Portland is the second healthiest city in the United States, according to Government figures, its death rate being only 9.5 per thousand.

Portland is the only city which has water grade connection with the vast Inland Empire—Eastern Oregon, Eastern Washington and Idaho.

Portland is on the Willamette River, 12 miles from its confluence with the Columbia, and accommodates ocean liners drawing 25½ feet.

Portland's Union Depot handled during 1906, 175,003 freight cars and 2,140,795 tons of freight. During 1907, 163,783 freight cars were handled, and during 1908, 154,980 cars. The figures cover only traffic on the west side of the Willamette River.

Portland will erect another high school, at a cost of \$350,000.

Portland will shortly become the home of a \$500,000 courthouse.

Portland entertains thousands of visitors each year at its Rose Festival.

Portland will spend \$500,000 for the construction of public docks along its water front.

Portland will spend \$1,000,000 in improving its present parks and boulevards and purchasing new ones.

Portland will shortly commence the building of another fireboat and more fire mains, at a cost of \$275,000.

Portland will spend \$3,000,000 for another pipe line to carry its famous Bull Run water from its source to the consumer.

Portland's advantage as a transportation center lies in the fact that freight moves on a down grade toward it, thus causing an immense saving in both time and money.

Portland is one of the art centers of America, having an art museum full of valuable paintings, prints and sculpture. It also has the third largest camera club in the United States.

Portland has over 2,200 manufacturing establishments, with an invested capital of more than \$32,000,000, and employing 23,000 persons, who earn \$9,000,000 annually, and who produce \$50,000,000 annually.

Portland ranks high as a social center, all leading fraternal organizations having lodges in this city, and the following leading clubs are in existence: Arlington, Commercial, Concord, Multnomah and University.

Portland is the terminus of the Union Pacific, Southern Pacific, Northern Pacific, Oregon Railway & Navigation Co., Spokane, Portland & Seattle Railway Co., Great Northern, Burlington Route, Astoria & Columbia, Oregon Water Power & Railway Co., Oregon Electric Railway Co., United Railways Co. and others in process of construction.

Portland has one of the largest transmission plants in the world. The water power owned by the company amounts to 50,000 horsepower, of which 12,000 horsepower is now being used for electrical power purposes. The present plant at Cazadero, on the Clackamas River, has a capacity of 25,000 horsepower, of which 18,500 horsepower is now developed for electrical purposes. A new plant is being constructed on the Clackamas River above the present plant, having a capacity of 30,000 horsepower. In addition, the same company has 10,000 kilowatts in steam power plants in the city.

Portland is a great educational center, having 45 public schools,

8 kindergartens, 2 law schools, a medical school, a dental college, 13 sectarian schools, a military school, 7 business colleges, 3 preparatory schools, 2 academies of music and elocution, 2 correspondence schools, 34 private schools, 2 manual training schools, and a number of other institutions.

Portland is the terminus and port of call of the Portland & Asiatic Steamship Co., Portland & San Francisco Steamship Co., California & Oregon Coast Steamship Co., Dalles, Portland & Astoria Navigation Co., Spencer Line, Columbia River & Puget Sound Navigation Co., Kellogg Transportation Co., Shaver Line, Kamm Line, Washougal & La Camas Transportation Co., La Center Transportation Co., Portland & Coos Bay Steamship Co., American-Hawaiian Steamship Co., and others.

Portland's greatness will be increased by the numerous important railroad projects which are under way, the deepening of the Columbia River bar and the construction of The Dalles-Celilo Canal, at a cost of over \$4,000,000. Both of these projects will open the Columbia River to the largest Pacific steamships, and its navigable waters for river craft back to the heart of the Inland Empire, where about 50,000,000 bushels of wheat are produced annually, where lumber is in illimitable quantities, agriculture in general is claiming vast untouched areas, and mineral, livestock, fruit and other products are as rich as in any other part of the world.

Portland spent \$2,083,390.67 in 1908 in improving her streets, and \$118,211.94 in the construction of sewers. During that time 14 miles of sewer were laid; 32.28 miles of streets improved; 24.38 miles of roadway graded, and 31 miles of sidewalk laid.

In addition to the Bell system, Portland enjoys the distinction of having the largest all-cable underground automatic telephone system in the world.

All of the grain growing in the Columbia River Basin, Eastern Oregon, Idaho and Eastern Washington, is marketed from Portland. In 1907 this Inland Empire produced 66,000,000 bushels of wheat, 23,500,000 bushels of oats, and 12,363,000 bushels of barley, or a total of 101,000,000 bushels of grain, valued at \$66,412,000. This sum, distributed equally among the inhabitants, men, women and children, of Oregon, Washington and Idaho, would average \$41.50 for each person.

ASSESSED VALUATION.

1905\$131,197,561

1906	166,549,333
1907	215,579,835
1908	215,836,410
1909	231,007,545

Since 1905 Portland property increased 75 per cent in value.

BANK CLEARINGS.

These figures are given by the Portland Clearing House Association, wherein but 10 banks are included, out of a total of 23 institutions.

1890	\$ 9,439,224.51
1895	58,842,284.51
1900	106,918,027.48
1901	127,715,026.51
1902	154,320,103.09
1903	175,596,622.53
1904	189,051,469.93
1905	228,402,712.69
1906	281,170,796.26
1907	350,932,422.11
1908	310,655,493.69
1909	391,028,890.71

The total deposits in banks of Portland:

1907	\$ 62,000,000.00
1908	43,808,180.53
1909	60,350,152.92

Deposits and due to Portland banks and bankers:

November 27, 1908	\$ 48,393,964.78
June 29, 1909	56,016,940.44
November 16, 1909	71,179,403.01

The bank clearings for 1910 were:

January	\$ 38,055,580.78
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BARLEY.

Exported for fiscal year ending June 30:

	Bushels.	Value.
1908	795,275	\$562,878
1909	822,510	549,485

BUILDING PERMITS ISSUED.

	No.	Value.
1900	392	\$ 944,985

1901	745	1,529,143
1902	1,244	2,730,660
1903	1,628	4,281,056
1904	1,720	4,029,225
1905	2,318	4,183,363
1906	3,307	6,927,971
1907	3,912	9,585,797
1908	4,859	10,485,141
1909	4,737	13,579,560

The building permits during 1910 were:

January	339	\$ 624,110
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CLIMATE.

Compared with a number of other leading cities in various sections of the country:

	Mean annual rainfall, ins.	Mean annual tempt'r., deg.
Portland	.45	52
Boston	.43	49
Galveston	.47	69
New York	.45	52
New Orleans	.57	69
Washington	.44	55
Atlanta	.49	61
Charleston	.52	66

COASTWISE TRAFFIC.

Vessels Entered.

Fiscal year ending June 30:

	Tons.
1905	390,243
1906	577,914
1907	623,712
1908	820,496
1909	786,167

Vessels Cleared.

1905	308,607
1906	400,240
1907	455,768
1908	557,396
1909	610,182

CUSTOM HOUSE.

Receipts.

For fiscal year ending June 30:

1905	\$ 635,971.31
1906	772,605.64
1907	1,163,856.08
1908	1,035,608.25

Direct Entries of Merchandise.

1902	1,249
1903	1,305
1904	1,359
1905	1,500
1906	1,769
1907	2,002
1908	2,048
1909	2,395

Tonnage Entered.

	No vessels.	Net register, tons.
1907	557	756,041
1908	701	961,307

Tonnage Cleared.

1907	564	745,471
1908	684	638,919

Receipts.

For year ending December 31:

1906	\$ 900,865.46
1907	1,200,869.10
1908	878,022.10
1909	723,931.15

The custom house receipts during 1910 were:

January	\$ 59,858.35
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ELECTRIC LIGHT AND POWER.

The Portland Railway, Light & Power Company reports:

No. of employes	2,000
Amount of wages for 1908	\$ 1,643,000
Value of plant, over	\$38,200,000

EXPORTS.

For fiscal year ending June 30:

1905	\$ 7,708,650
1906	10,024,471
1907	11,826,268
1908	17,658,819
1909	9,707,444

For year ending December 31:

1907	\$15,830,088
1908	16,047,097
1909	8,404,472

The value of exports during 1910 were:

January	\$ 493,610
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FLOUR.

Exported for fiscal year ending June 30:

	No barrels.	Value.
1900	792,416	\$2,153,945
1901	692,573	1,905,226
1902	630,131	1,800,623
1903	808,605	2,575,065
1904	917,191	3,318,557
1905	766,858	2,991,341
1906	1,013,975	3,725,765
1907	1,239,704	4,573,359
1908	858,845	3,148,434
1909	552,324	2,160,651

Exported.

For the year ending December 31, 1906:

	No barrels.	Value.
Foreign	591,983	\$2,313,979
Coastwise	146,702	635,482
Total	738,685	\$2,953,461

For the year ending December 31, 1907:

	No. barrels.	Value.
Foreign	1,434,153	\$5,229,684
Coastwise	164,486	676,403
Total	1,598,639	\$5,906,087

For the year ending December 31, 1908:

	No barrels.	Value.
Foreign	684,648	\$2,548,382
Coastwise	253,354	1,193,958
Total	938,002	\$3,742,340

For the year ending December 31, 1909:

	No barrels.	Value.
Foreign	360,687	\$1,519,717
Coastwise	268,957	1,467,034
Total	629,644	\$2,986,751

The flour shipments during 1910 were:

Foreign.		No barrels.	Value.
January		25,530	\$ 94,632
Domestic.			
January		24,452	146,712
Total		49,982	\$ 241,344

IMPORTS.

Total imports for fiscal year ending June 30:

1900	\$1,784,172
1901	1,526,814
1902	2,555,368
1903	2,774,784
1904	2,462,801
1905	2,611,339
1906	2,852,636
1907	4,170,313
1908	3,758,752
1909	2,460,912

Total Imports.

For the year ending December 31:

1905	\$2,577,551
1906	3,209,321
1907	4,417,038
1908	2,908,777
1909	2,445,870

The value of the imports during 1910 were:

January	\$ 128,583
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JOBGING TRADE.

1900	\$100,000,000
1901	110,000,000
1902	130,000,000
1903	142,000,000
1904	160,000,000
1905	180,000,000
1906	185,000,000
1907	193,000,000
1908	212,000,000
1909	227,000,000

LUMBER.

	Cut, feet.	Value.
1903	361,000,000	\$3,800,000
1904	413,559,284	4,500,000
1905	541,320,000	5,100,000
1906	643,532,893	6,150,000
1907	588,116,180	5,000,000
1908	515,175,169	3,635,000
1909	599,625,000	5,400,000

Cargo Shipments.

	Feet.
1904	113,426,585
1905	189,975,997
1906	240,902,117
1907	173,675,728
1908	150,543,700
1909	180,422,149

The principal points shipped to are California, Idaho, Utah, Washington, Nebraska, Colorado, and East, China, Japan, South America, South Africa, Hawaiian Islands, Australia, England, etc.

Exported.

For the fiscal year ending June 30:

	No. of feet.	Value.
1900	2,322,000	\$ 28,372
1901	17,946,000	188,242
1902	39,936,000	414,974
1903	43,995,000	567,847

1904	55,960,000	697,692
1905	49,685,000	493,774
1906	88,987,000	1,001,128
1907	105,216,000	1,606,011
1908	100,586,000	1,405,492
1909	126,748,000	1,010,481

Exported.

For the year ending December 31, 1907:

	No. of feet.	Value.
Foreign	84,498,990	\$1,317,202
Coastwise	89,037,732	1,357,890
Total	173,536,722	\$2,675,092

For the year ending December 31, 1908:

	No. of feet.	Value.
Foreign	95,719,511	\$1,179,709
Coastwise	60,288,674	738,792
Total	156,008,185	\$1,918,501

For the year ending December 31, 1909:

Foreign	94,351,680	\$1,053,090
Coastwise	97,714,900	1,839,134
Total	192,066,580	\$2,892,224

Foreign.

Lumber shipments during 1910 were:

	No. of feet.	Value.
January	2,269,000	\$ 35,152
Domestic.		
January	8,800,000	79,350
Total	11,069,000	\$ 114,502

MANUFACTURING.

Number of plants	2,000
Capital invested	\$65,000,000
Value of products	\$85,000,000
Men employed	28,000

Power second cheapest in the United States. Shipping facilities the best in the West.

Tributary territory, 250,000 square miles, mostly undeveloped.

New material, including iron, lumber and coal, cheap.

There has never been a successful strike in Portland.

Wages about the same as in the East for similar work and capabilities. Climatic conditions, however, are such that men can perform more work throughout the year. All plants can operate every day in the year, as Portland has neither extreme heat nor cold.

MORTALITY.

Compared with a number of other leading cities in various sections of the country. (Government figures, death rate per 1,000 population, 1905):

Portland	9.5
Spokane	9.77
Oakland	12.5
Chicago	13.67
St. Louis	15.05
San Francisco	15.72
Philadelphia	17.25
Boston	17.31
New York	18.23
Baltimore	18.70

MULTNOMAH COUNTY.**Assessed Valuation.**

1902	\$ 44,146,000
1903	51,038,000
1904	56,429,000
1905	143,860,000
1906	180,905,568
1907	233,141,058
1908	236,187,737
1909	251,389,887

POPULATION.**United States Census.**

1850	821
1860	2,874
1870	8,293
1880	17,577

1890	46,385
1900	90,426

***Directory Census.**

1901	107,991
1902	121,265
1903	131,162
1904	145,250
1905	161,205
1906	195,195
1907	225,000
1908	235,000
1909	265,000

* Directory census includes suburbs.

POSTOFFICE.**Receipts.**

1895	\$ 152,858.31
1904	353,293.00
1905	416,052.00
1906	520,310.00
1907	562,847.35
1908	640,799.60
1909	691,040.00

Receipts (Stamp Sales).

1904	\$ 379,522.70
1905	473,083.35
1906	540,266.23
1907	578,822.76
1908	680,682.27
1909	783,579.37

Stamp sales for 1909, 15.09 per cent greater than 1908.

Money Orders Issued.

1904	\$ 7,378,353.70
1905	7,776,208.77
1906	8,891,877.57
1907	10,013,174.93
1908	10,676,473.22
1909	10,828,452.32

The postoffice receipts during 1910 were:

January	\$ 71,395.67
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REAL ESTATE TRANSFERS.

	No.	Value.
1900		\$ 3,532,985
1901		4,986,246
1902		7,421,223
1903		6,914,260
1904		10,550,400
1905		15,102,185
1906		24,306,832
1907		23,066,789
1908	14,818	19,946,590
1909	19,429	28,814,129

The real estate transfers during 1910 were:

January	1,503	\$ 2,328,802
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SCHOOL CENSUS.

(4 to 20 years.)

No. pupils.

1900	20,629
1901	20,874
1902	22,014
1903	23,056
1904	24,427
1905	25,940
1906	26,968
1907	29,312
1907, Nov. 1	32,219
1908, Dec. 1	34,264

School Enrollment.

No. pupils.

1900	12,280
1901	12,674
1902	13,299
1903	14,241
1904	14,909
1905	15,877
1906	17,031
1907	20,389
1908	22,213
1909	23,709
1910	26,000

TELEPHONES IN USE.

1902	9,179
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1903	11,441
1904	13,490
1905	14,734
1906	17,451
1907	20,421
1908 (2 companies)	30,500
1909 (2 companies)	31,079
1910 (2 companies)	36,713

TONNAGE.**Vessels Entered.**

	No.	Tons.
1906	558	642,030
1907	609	846,245
1908	706	900,106
1909	785	867,633

Vessels Cleared.

	No.	Tons.
1906	577	656,186
1907	605	831,468
1908	710	941,874
1909	777	863,857

Entered (1910).

	No.	Tons.
January	60	72,438

Cleared (1910).

	No.	Tons.
January	55	62,851

WAGES.

Bakers and confectionery workers receive \$3 per day; barbers, \$3.50 for a 10-hour day; bridge and structural iron workers, \$3.50 for an eight and nine-hour day; carpenters and joiners, \$3 to \$4; bricklayers, \$5 to \$5.50; painters and decorators, \$3.50; plasterers, \$5; plumbers, \$5; carriage-makers, \$3.50; cigarmakers, \$3.50 for eight hours; clerks, females, \$1.25; males, \$2.25; cooks and waiters, females, \$1.50; males, \$2.50; electrical workers, \$3.50; engineers, \$3; freight handlers, \$2.60 for ten hours; grain handlers, \$3.60 for nine hours; boilermakers and metal workers, \$4; moulders, \$3.75; leather workers, \$2.75; longshoremen, \$4; machinists, \$3.50; miners, \$3.25 for eight hours, musicians, \$2.50; pressmen, \$3.50; stereotypers, \$4.50; typesetters, \$2.50 to \$3.50; tailors, \$2.75; teamsters, \$2.75.

WATER EARNINGS.

Portland's Water Department owns 324.33 miles of mains, of which 261.4 miles are four inches in diameter and over.

1890	\$181,310.40
1895	268,492.65
1900	323,842.15
1901	320,230.15
1902	385,812.05
1903	433,781.70
1904	497,408.35
1905	568,992.50
1906	621,894.45
1907	639,083.80
1908	656,259.00
1909	620,730.60

WHEAT.

The average cargo of wheat carried by vessels leaving Portland since 1872 shows the increase in the size of vessels loading at Portland:

	Bushels.
1872	33,615
1882	75,390
1892	114,393
1902	165,309
1907	226,620
1908	120,687

Exported for fiscal year ending June 30:

	No. bushels.	Value.
1900	8,955,544	\$ 5,082,662
1901	13,044,008	7,532,732
1902	12,554,151	7,776,644
1903	8,657,931	6,348,302
1904	3,476,453	2,742,957
1905	1,474,147	1,331,913
1906	5,658,103	4,273,000
1907	7,198,844	5,195,535
1908	13,411,581	12,053,767
1909	6,350,033	5,791,304

Exported.

	No. bushels.	Value.
Year ending December 31, 1906:		
Foreign	5,478,807	\$ 3,919,411

ANNUAL REPORT

—OF—

A. L. Barbur, Auditor of the City of Portland, Oregon, for Year ending December 31, 1909.

Number	Balance Dec. 31, 1908	Received by transfer	Receipts	Disburse- ments	Disbursed by transfer	Balance Dec. 31, 1909	Warrants outstanding Dec. 31, 1908	Warrants drawn	Warrants paid	Warrants outstanding Dec. 31, 1909	Warrants cancelled
1 General Fund	\$208858 80	\$43108 60	\$630299 47	\$530613 22	\$77570 15	\$274083 50	\$36572 16	\$539679 39	\$530613 22	\$44648 18	\$990 15
2 Fire Department Fund	56651 18	15000 00	465395 45	352714 96	15000 00	169331 67	32098 52	351954 40	352714 96	31335 26	2 70
3 Police Department Fund	18083 15	25000 00	283402 67	235414 15	25000 00	66071 67	17258 87	238365 33	235414 15	20205 05	5 00
4 Bonded Indebtedness Interest Fund	29816 98	15000 00	192692 65	124559 50	52000 00	60950 13		134 50	134 50		
5 Chemical National Bank of New York	12550 00	33400 00		33425 00		12525 00					
6 Chase National Bank of New York	1500 00	3000 00		4110 00		390 00					
7 N. W. Harris & Co., of New York	300 00	15000 00		14820 00		480 00					
8 Blair & Co., of New York		600 00		600 00							
9 Lighting Fund	52400 63		119982 50	115146 95		57236 18	16113 11	99033 84	115146 95		
10 Street Repair Fund	14421 08		151748 49	107423 84		58745 73	9683 92	106861 11	107423 34	9121 69	
11 Public Library Fund			26893 90	26734 51		159 39		26893 90	26734 51	159 39	
12 Park Fund	23914 86		85056 34	71810 28		37160 92	4548 74	72516 86	71810 28	5180 32	75 00
13 Water Fund	138095 31	76525 44	507730 60	377373 87	160000 00	184977 48	21192 09	370988 71	377373 87	14806 93	
14 Water Bonds Interest Fund	72625 00	145000 00		144950 00		72675 00					
15 Water Bond Sinking Fund	124 90		104046 08	102850 00		1320 98		102850 00	102850 00		
16 Improvement Fund	100838 88		10969 74	6417 08		105391 54					
17 Improvement Bond Sinking Fund	8439 45		340390 20	123065 42	1 90	225762 33		11 00	11 00		
18 Improvement Bond Interest Fund	6781 37	22000 00	95264 19	114193 43	0 35	9851 78		1 54	1 54		
19 Street and Sewer Interest Fund	1355 76	8006 18	6772 40	14617 90		1516 44		16 73	16 73		
20 General Fund—Redemption of Warrants	2889 53					2889 53					
21 Fund for Repairs to Streets and Bridges	31 98					31 98	25 48			0 20	
22 Police and Fire Department Relief Fund	2244 60		4008 95	5350 78		902 77	125 00	5453 17	5250 78	229 39	25 28
23 Redemption Fund	174 38		3722 01	3645 01	83 58	167 80	77 60	3735 21	3645 01	167 62	0 18
24 Bill Posting Badge Fund	94 00		13 00	9 00		98 00					
25 Special Bridge Fund	33042 43		123789 86	800 00		156032 29		800 00	800 00		
26 Street Improvement Funds	75269 45	7497 80	1822315 41	1870358 69	2499 17	32224 80	432209 74	2113257 60	1870358 69	564097 61	111011 04
27 Sewer Funds	1068 73	55 00	180841 87	179775 20	211 22	1979 18	24527 20	318851 93	179775 20	162828 93	775 00
28 Street Extension Funds	15803 80	96 00	18954 56	22969 79	120 00	11764 57	6498 95	21742 87	22969 79	4840 54	431 49
29 Mt. Hood Electric Co., Deposit Fund	1000 00					1000 00					
30 Portland Ry. L. & P. Co., Deposit Fund	1000 00					1000 00					
31 Park and Boulevard Fund	510945 00			404980 95	45 27	105918 78		404980 95	404980 95		
32 Hawthorne Avenue Bridge Fund			469391 50	61315 95	231 94	407843 61		61317 05	61315 95		
33 Water Fund, Bond Account			255217 50	62700 00	76525 44	115992 06		62700 00	62700 00	1 10	
34 Water Main Fund			3456 95	2500 00		956 95		4730 60	2500 00	2230 60	
Total	\$1,390,321 25	\$409,289 02	\$5,902,356 29	\$5,115,245 48	\$409,289 02	\$2,177,432 06	\$600,931 38	\$4,906,878 69	\$4,534,641 42	\$859,852 81	\$113,315 84

a Of this balance the sum of \$98,705.05 is deposited in Ladd & Tilton's Bank on Certificate of Deposit.

b Amount deposited with City Treasurer to comply with provisions of Ordinance granting franchise.

c Amount deposited as surety that streets disturbed in constructing underground conduits will be properly replaced.

Bonds on account of Water Bond Sinking Fund	
Investments in custody of Water Board	\$228351 53
Bonds on account of Improvement Bond Sinking Fund Investments in custody of City Treasurer	51388 46
Bonds on account of Police and Fire Department Relief Sinking Fund Investments in custody of City Treasurer	7500 00

TAX LEVY FOR CITY PURPOSES:

	1909	1910
Fire	2.25 mills	1.65 mills
Police	1.37 "	1.05 "
Interest	.80 "	.73 "
Lighting	.58 "	.45 "
Street Repair	.57 "	.27 "
Library	.13 "	.13 "
Park	.40 "	.42 "
Special Bridge	.50 "	.20 "
Sinking Fund		
Assessed valuation: 1909	6.60 mills	4 90 mills
Assessed valuation: 1910		\$215,836,410
Estimated population		231,161,600
		275,000

MUNICIPAL REPORTS

Coastwise	1,479,398	1,451,100
Total	6,958,205	\$ 5,371,100
Year ending December 31, 1907:	No. bushels.	Value.
Foreign	8,686,434	\$ 7,658,500
Coastwise	1,190,683	924,100
Total	9,877,137	\$ 8,612,600
Year ending December 31, 1908:	No. bushels.	Value.
Foreign	13,039,954	\$11,768,200
Coastwise	3,441,592	2,992,800
Total	16,481,546	\$14,761,000
Year ending December 31, 1909:	No. bushels.	Value.
Foreign	6,016,756	\$ 5,575,500
Coastwise	4,632,423	4,741,800
Total	10,649,179	\$10,317,300
The wheat shipments during 1910 were:		
Foreign.		
January	349,016	\$ 363,500
Domestic.		
January	432,163	\$ 475,500
Total	781,179	\$ 839,000

DETAILED STATEMENT OF RECEIPTS AND DISBURSEMENTS.

GENERAL FUND.

Receipts:

Liquor licenses	\$360,800.00
General business licenses	48,904.15
Dog licenses	10,598.00
Municipal Court fines and costs.....	25,822.50
Pound fees	1,755.40
Franchises—Willamette Valley Traction Co.....	880.00
Home Telephone & Telegraph Co.....	1,727.53
United Railways Company.....	1,700.00
Pacific States Telephone & Telegraph Co....	1,000.00
City Messenger & Delivery Company.....	200.00
Portland Railway, Light & Power Co.....	6,500.00
Rents, City Hall	929.00
Transfer of licenses	3,050.00
Miscellaneous costs, street improvements.....	713.25
Building permits	7,244.00
Death certificates	34.50
Interest on deposits	24,536.07
Costs engineering, inspection and advertising.....	94,732.89
Certified copies	94.00
Refund on general fund warrant, F. Henshaw.....	.50
Use of road rollers	12.00
Plumbers' certificates	120.00
Premium on improvement bonds	31,466.79
Delinquent tax	190.24
Removal of dead animals	672.00
Kennel licenses	25.00
Renewal and application, auto licenses.....	1,051.00
Auto examinations	786.00
Portland Railway, Light & Power Co., repairing broom....	257.50
Sale of horse, sealer weights and measures.....	42.50
United Railways Company, account of survey.....	16.23
Colonial Investment Co., refund acct. sewer Cornell Road	40.00
Wauna Land Company, inspection sewer Sandy Road.....	60.00
Multnomah County, one-half cost of election booths.....	1,723.63
F. S. Grant, witness fees.....	4.20
Postage, acct, full code ordinance	.25
Redemption of property	9.65
Return of safety deposit vault key.....	20.00

Codified ordinances	6.00
E. E. Kellogg, acct. banner, First and Morrison Streets....	30.00
Portland Railway, Light & Power Company, banner, Second and Washington Streets	6.65

Transfers from—

Hawthorne Avenue bridge fund.\$	231.94
Street improvement fund	2,499.17
Park and boulevard fund	45.27
Sewer fund	211.22
Redemption fund	1.00
Street extension funds	120.00
Fire Department fund	15,000.00
Police Department fund	25,000.00—\$43,108.60
Sale of two Pound Department horses.....	92.00
Sale of six Street Cleaning and Sprinkling De- partment horses	565.00
Sale of Street Cleaning and Sprinkling Depart- ment sacks	85.50
Sale of junk	325.00
Interest on warrants	111.11
Tin auto tag	.25
F. S. Fields, County Clerk, costs.....	409.50
Adv. Elec. matter for candidates.....	300.00
S. A. Barnes, abating nuisance.....	24.18
Street improvement warrants held by city and cashd	625.50—\$673,408.07

Disbursements.

Transfer to Fire Department fund.....	\$ 15,000.00
Transfer to Police Department fund.....	25,000.00
Transfer to Street Improvement Funds—	
Vancouver Avenue improvement...\$	118.28
Hood Street fill	409.80
Front Street at Lane Street.....	478.10
Corbett Street at Pennoyer Street.	443.95
First Street at Grover Street.....	409.80
Front Street at Grover Street.....	620.75
Corbett Street at Grover Street ..	478.10
Thurman Street improvement.....	34.20
Vancouver Avenue improvement...	194.40
Kelly Street improvement.....	331.41
East Yamhill Street improvement..	1,251.97
Main Street improvement.....	237.40

Corbett Street improvement.....	9.55
Borthwick Street improvement....	98.70
East Burnside Street improvement.	1,516.97
Kelly Street improvement.....	109.28
Fourth Street improvement.....	.05
South Front Street improvement..	69.59
Fifth Street improvement.....	65.34
Clinton Street improvement.....	469.55
"M" Street improvement.....	25.21
"G" Street improvement.....	4.62
Front Street improvement.....	41.03
Clinton Street improvement.....	1.10—\$ 7,419.15

Transfer to Sewer Funds—

Sewer in East Seventh Street.....	5.00
Sewer in Constance Street.....	50.00 55.00
Transfer to street and sewer interest fund....	8,000.00
Transfer to improvement bond interest fund...	22,000.00
Transfer to street extension fund.....	96.00—\$77,570.15
Amounts brought forward	\$ 77,570.15
Warrants paid and returned	530,613.22—\$608,183.37

FIRE DEPARTMENT FUND.

Receipts.

City taxes, 1909	\$464,123.15
Delinquent taxes	1,270.33
Transfer from general fund.....	15,000.00
Delinquent tax, fire boat.....	1.22
Refund on overpaid claims.....	.75—\$480,395.45

Disbursements.

Warrants paid and returned.....	\$352,714.96
Transfer to general fund.....	15,000.00—\$367,714.96

POLICE DEPARTMENT FUND.

Receipts.

City taxes, 1909	\$282,599.42
Delinquent taxes	526.05
Transfer from general fund.....	25,000.00
Sale of horses	155.00
Refund account telegram	8.40
Guarding Mrs. Collins at sanitarium.....	113.80—\$308,402.67

Disbursements.

Warrants paid and returned.....	\$235,414.15
Transfer to general fund	25,000.00—\$260,414.15

BONDED INDEBTEDNESS INTEREST FUND.

Receipts.

City taxes, 1909	\$165,021.56
Delinquent taxes	359.59
Transfer from water fund.....	15,000.00
Accrued interest on water bonds.....	2,555.56
Accrued interest on bridge bonds.....	4,599.99
Crossing Morrison Street bridge, Portland	
Railway, Light & Power Co.....	20,155.95—\$207,692.65

Disbursements.

Warrants paid and returned.....	\$ 134.50
Coupons paid and returned.....	124,425.00
Transferred to New York Accounts—	
Chemical National Bank	33,400.00
Chase National Bank	3,000.00
N. W. Harris & Company.....	15,000.00
Blair and Company	600.00—\$176,559.50

CHEMICAL NATIONAL BANK OF NEW YORK.

Receipts.

Transfer from bonded indebtedness interest fund.....	\$ 33,400.00
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Disbursements.

Coupons paid and returned.....	\$ 33,425.00
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CHASE NATIONAL BANK OF NEW YORK.

Receipts.

Transfer from bonded indebtedness interest fund.....	\$ 3,000.00
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Disbursements.

Coupons paid and returned	\$ 4,110.00
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N. W. HARRIS & COMPANY, NEW YORK.

Receipts.

Transfer from bonded indebtedness interest fund.....	\$ 15,000.00
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Disbursements.

Coupons paid and returned.....	\$ 14,820.00
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BLAIR AND COMPANY, NEW YORK.

Receipts.

Transfer from bonded indebtedness interest fund.....	\$ 600.00
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Disbursements.

Coupons paid and returned.....	\$ 600.00
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LIGHTING FUND.

Receipts.

City taxes, 1909.....	\$119,640.64
Delinquent taxes	341.86—\$119,982.50

Disbursements.

Warrants paid and returned.....	\$115,146.95
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STREET REPAIR FUND.

Receipts.

City taxes, 1909	\$117,577.85
Delinquent taxes	177.82
Vehicle licenses	28,471.40
Assessments collected for repair of sidewalks..	5,520.92
Refund on overpaid claim.....	.50—\$151,748.49

Disbursements.

Warrants paid and returned.....	\$107,423.34
Amount overpaid on claim.....	.50—\$107,423.84

PUBLIC LIBRARY FUND.

Receipts.

City taxes, 1909	\$ 26,816.01
Delinquent taxes	77.89—\$ 26,893.90

Disbursements.

Warrants paid and returned.....	\$ 26,734.51
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PARK FUND.

Receipts.

City taxes, 1909	\$ 82,510.76
Delinquent taxes	207.06
Sale of animals	5.50

Sale of public baths	40.00
Concessions, City Park	810.00
Donation by J. J. Hill	483.02
Donation by Star Drilling Machine Co.....	1,000.00—\$ 85,056.34

Disbursements.

Warrants paid and returned.....	\$ 71,810.28
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WATER FUND.**Receipts.**

Water collections	\$507,730.60
Transferred from water fund, bond account...	76,523.44—\$584,256.04

Disbursements.

Transfer to bonded indebtedness interest fund to pay interest on East Portland water bonds	\$ 15,000.00
Transfer to water bond interest fund to pay interest on Portland water bonds.....	145,000.00
Warrants paid and returned.....	377,373.87—\$537,373.87

WATER BOND INTEREST FUND.**Receipts.**

Transfer from water fund.....	\$145,000.00
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Disbursements.

Coupons paid and returned.....	144,950.00
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WATER BOND SINKING FUND.**Receipts.**

Water collections	\$ 63,000.00
Bonds redeemed by city.....	31,500.00
Interest on improvement bonds.....	9,546.08—\$104,046.08

Disbursements.

Warrants paid and returned.....	\$102,850.00
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IMPROVEMENT FUND.**Receipts.**

Bonded liens	\$ 10,969.74
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Disbursements.

Bonds redeemed	\$ 6,417.08
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IMPROVEMENT BOND SINKING FUND.**Receipts.**

Bonded liens	\$340,390.20
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Disbursements.

Bonds redeemed	\$123,054.42
Overpaid assessment returned.....	11.00
Transferred to street improvement funds.....	1.90—\$123,067.32

IMPROVEMENT BOND INTEREST FUND.**Receipts.**

Interest on bonded liens.....	\$ 89,542.04
Interest on certificates of deposit.....	3,957.11
Transfer from general fund.....	22,000.00
Interest on bonds held by the city.....	1,765.04—\$117,264.19

Disbursements.

Improvement bond coupons paid and returned.....	\$114,191.89
Transferred to street and sewer interest fund...	.35
Overpaid assessments returned.....	1.54—\$114,193.78

STREET AND SEWER INTEREST FUND.**Receipts.**

Interest on street and sewer assessments....	\$ 2,620.95
Accrued interest on bonds.....	4,151.45
Transfer from general fund.....	8,000.00
Transfer from redemption fund.....	5.83
Transfer from improvement bond interest fund	.35—\$ 14,778.58

Disbursements.

Interest paid by Treasurer on street improve- ment and sewer warrants.....	\$ 14,601.17
Warrants paid and returned.....	16.73—\$ 14,617.90

POLICE AND FIRE DEPARTMENT RELIEF FUND.**Receipts.**

Dues	\$ 3,408.10
Interest on improvement bonds.....	240.00
Donations—	

Portland Railway, Light and Power Company	\$100.00
Wilson Lumber Company.....	25.00

P. J. B. Sagazan.....	25.00	
H. Houser	15.00	
Weinhard Estate	100.00	
Edison Display Company.....	25.00—	290.00
Capture of convict		50.00
Fines and Witness Fees—		
J. Speier, Harbormaster.....	\$ 9.00	
J. Burri	6.80	
J. Anundson	3.40	
C. R. Hellyer.....	1.65—	20.85—\$ 4,008.95

Disbursements.

Warrants paid and returned.....	\$ 5,350.75
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REDEMPTION FUND.**Receipts.**

Redemption of property.....	\$ 3,722.01
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Disbursements.

Warrants paid and returned.....	\$ 3,645.01
Transferred to street improvement fund.....	76.75
Transferred to street and sewer interest fund..	5.83
Transferred to general fund.....	1.00—\$ 3,728.59

BILL POSTING BADGE FUND.**Receipts.**

Sale of badges.....	\$ 13.00
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Disbursements.

Badges redeemed	\$ 9.00
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SPECIAL BRIDGE FUND.**Receipts.**

City taxes, 1909	\$103,138.49
O. R. & N. Co., Grand Avenue bridge	\$1,600.00
O. R. & N. Co., Union Avenue bridge	1,600.00— 3,200.00
Delinquent taxes	351.43
Sale of bonds	17,099.94—\$123,789.85

Disbursements.

Warrants paid and returned.....	\$ 800.00
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STREET IMPROVEMENT FUNDS.**Receipts.**

Street improvement assessments.....	\$1,822,315.41
Transfer from general fund.....	7,419.15
Transfer from redemption fund.....	76.75
Transfer from improvement bond sinking fund	1.90—\$1,829,813.21

Disbursements.

Warrants paid and returned.....	\$1,870,358.69
Transferred to general fund.....	2,499.17—\$1,872,857.86

SEWER FUNDS.**Receipts.**

Sewer assessments	\$180,841.87
Transfer from general fund.....	55.00—\$180,896.87

Disbursements.

Warrants paid and returned.....	\$179,775.20
Transferred to general fund.....	211.22—\$179,986.42

STREET EXTENSION FUNDS.**Receipts.**

Assessments for opening streets.....	\$ 18,954.56
Transfer from general fund.....	96.00—\$ 19,050.56

Disbursements.

Warrants paid and returned.....	\$ 22,969.79
Transferred to general fund.....	120.00—\$ 23,089.79

WATER MAIN FUND.**Receipts.**

Assessments for water mains.....	\$ 3,456.95
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Disbursements.

Warrants paid and returned.....	\$ 2,500.00
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PARK AND BOULEVARD FUND.**Disbursements.**

Warrants paid and returned.....	\$404,980.95
Transferred to general fund.....	45.27—\$405,026.22

WATER FUND, BOND ACCOUNT.

Receipts.

Receipts from sale of bonds.....	\$250,000.00
Receipts, premium on above bonds.....	5,217.50—\$255,217.50

Disbursements.

Warrants paid and returned.....	\$ 62,700.00
Transferred to water fund.....	76,525.44—\$139,225.44

HAWTHORNE AVENUE BRIDGE FUND.

Receipts.

Receipts from sale of bonds.....	\$450,000.00
Receipts, premium on above bonds.....	9,391.50
Receipts, sale of real estate.....	10,000.00—\$469,391.50

Disbursements.

Warrants paid and returned.....	\$ 61,315.95
Transferred to general fund.....	231.94—\$ 61,547.89

STATEMENT OF APPROPRIATIONS AND OF DEMANDS
APPROVED, AUDITED AND BONDS REDEEMED AND
INTEREST PAID, EXCEPT FOR STREET IMPROVE-
MENTS, STREET EXTENSIONS, SEWERS AND
STREET AND SEWER INTEREST FUND.

GENERAL FUND.

Mayor's Department.

Appropriation, Ordinance No. 18807.....	\$ 6,300.00—\$ 6,300.00
Claims Audited and Warrants Drawn—	
Salary Mayor, \$400 per month.....	\$ 4,800.00
Salary Secretary, \$75 per month.....	900.00
Secret Service	250.00
	\$ 5,950.00
Balance appropriation canceled.....	350.00—\$ 6,300.00

Auditor's Department.

Appropriation, Ordinance No. 18807.....	\$ 33,900.00
Appropriation, Ordinance No. 20281.....	125.00—\$ 34,025.00
Claims Audited and Warrants Drawn—	
Salary City Auditor, \$250 per month.....	\$ 3,000.00
Salary Chief Deputy, \$200 per month.....	2,400.00
Salary 8 Deputies, \$150 per month.....	14,400.00
Salary 5 Deputies and Clerks, \$125 per month.....	7,500.00
Salary 2 Clerks, \$100 per month.....	2,400.00
Salary 1 Stenographic Clerk, \$100 per month...	1,200.00
Salary 2 Stenographic Clerks, \$75 per month...	1,800.00
Salary 1 Stenographic Clerk, 5 months, \$75 per month	375.00
Salary 1 Stenographic Clerk, 1½ months, \$75 per month	112.50
Salary 1 Clerk, 9 months, 27 days, \$75 per month	732.37
Total warrants drawn.....	\$ 33,919.87
Balance appropriation canceled.....	105.13—\$ 34,025.00

City Treasurer's Department.

Appropriation, Ordinance No. 18807.....\$ 7,500.00—\$ 7,500.00

Claims Audited and Warrants Drawn—

Salary Treasurer, \$200 per month.....\$ 2,400.00
 Salary Chief Deputy, \$175 per month 2,100.00
 Salary Clerk, \$150 per month..... 1,800.00
 Salary Clerk, \$100 per month..... 1,200.00

Total warrants drawn.....\$ 7,500.00—\$ 7,500.00

City Engineer's Department.

Appropriation, Ordinance No. 18807.....\$134,292.40

Appropriation, Ordinance No. 19898..... 2,085.00—\$136,377.40

Claims Audited and Warrants Drawn—

Salary City Engineer, \$200 per month.....\$ 2,400.00
 Salary Assistant Engineer, \$150 per month..... 1,800.00
 Salary Chief Deputy, \$150 per month..... 1,800.00
 Salary Chief Draughtsman, \$145 per month... 1,740.00
 Salary 1 Assistant Draughtsman, \$125 per mo.. 1,500.00
 Salary, 2 Draughtsmen, \$110 per month..... 2,640.00
 Salary 4 Draughtsmen, \$100 per month..... 4,800.00
 Salary 1 Draughtsman, \$90 per month..... 1,080.00
 Salary 1 Chief Computer, \$125 per month..... 1,500.00
 Salary 8 Computers, \$100 per month..... 9,600.00
 Salary 3 Computers, \$90 per month..... 3,240.00
 Salary 1 Stenographer, \$100 per month..... 1,200.00
 Salary 1 Stenographer, \$60 per month..... 720.00
 Salary 7 Civil Engineers, \$150 per month..... 12,600.00
 Salary 1 Clerk, \$100 per month..... 1,200.00
 Salary Instrumentmen, \$100 per month..... 13,200.00
 Salary Chainmen, \$75 per month..... 19,800.00
 Salary Cement Tester, \$110 per month..... 1,320.00
 Salary Sewer Inspector, \$125 per month..... 1,500.00
 Salary Brick and Stone Sewer Inspector, \$5 per day
 Salary Sidewalk, Sewer and Street Inspectors, at \$3 per day.....
 Salary Sewer Repairers, \$75 per month..... 30,970.14
 Salary Blue Print Operator, 4 months, \$75 per month 300.00
 Salary Right of Way Man, 4 months, \$125 per month 500.00

Salary Inspector of Trenches, 4 months, \$85 per month 340.00
 Brick 126.00
 Cement 342.35
 Sand and Gravel..... 161.14
 Lumber 440.49
 Sewer pipe 1,211.24
 Feed 694.97
 Shoeing horses 75.50
 Harness 22.72
 Hardware 276.68
 Blacksmithing 55.75
 Automobile 353.61
 Transits 643.00
 Gratings 912.98
 Scales 194.30
 Recording right of way 192.05
 Miscellaneous 1,045.49

Total warrants drawn.....\$122,498.41

Appropriation carried forward..... 200.00

Balance appropriation canceled..... 13,678.99—\$136,377.40

Council Salaries.

Appropriation, Ordinance No. 18807.....\$ 4,500.00—\$ 4,500.00

Claims Audited and Warrants Drawn—

Salary Councilmen\$ 4,500.00—\$ 4,500.00

Health Department.

Appropriation, Ordinance No. 18807.....\$ 22,578.00

Appropriation, Ordinance No. 19763..... 2,000.00

Appropriation, Ordinance No. 20423..... 2,500.00—\$ 27,078.00

Claims Audited and Warrants Drawn—

Salary Health Officer, \$250 per month.....\$ 3,000.00
 Salary Deputies, \$125 and \$100 per month.... 3,720.00
 Salary Bacteriologist, \$75 per month..... 900.00
 Salary City Physician, \$125 per month..... 1,500.00
 Salary Market Inspector, \$85 per month..... 1,020.00
 Salary Clerk, \$75 per month..... 900.00
 Salary Matron 1,140.15
 Salary Medical School Inspectors, \$50 per month 1,755.55

Salary School Nurse, \$75 per month.....	750.00
Ambulance service	1,489.50
Groceries, provisions, etc.....	985.97
Clothing	108.28
Drugs	1,741.31
Hospital charges	1,584.00
Miscellaneous	280.32
Automobile	1,900.00
Care automobile, etc.....	242.99
Shoes, harness, etc.....	61.70
	\$ 23,079.77
Appropriation carried forward.....	2,937.80
Appropriation canceled	1,060.43—\$ 27,078.00

Milk Inspector.

Appropriation, Ordinance No. 19090.....	\$ 1,125.00
Appropriation, Ordinance No. 20470.....	145.83—\$ 1,270.83
Claims Audited and Warrants Drawn—	
Salary Milk Inspector, \$125 per month.....	\$ 997.35
Balance appropriation canceled.....	273.48—\$ 1,270.83

Garbage Crematory.

Appropriation, Ordinance No. 18807.....	\$ 19,770.00
Appropriation, Ordinance No. 19404.....	6,000.00—\$ 25,770.00
Claims Audited and Warrants Drawn—	
Salary Superintendent, \$135 per month.....	\$ 1,650.00
Salary Foreman, \$100 per month.....	1,200.00
Salary 8 laborers, \$75 per month.....	7,200.00
Salary teamster, \$75 per month.....	900.00
Salary extra labor, \$2.50 per day.....	628.35
Fuel	2,687.72
Feed, shoes, harness, etc.....	623.98
Repairs	6,551.56
Lumber	374.61
Hardware	224.67
Miscellaneous	152.12

Total warrants drawn.....	\$ 22,193.01
Appropriation carried forward	10.00
Balance appropriation canceled	3,566.99—\$ 25,770.00

City Hall.

Appropriation, Ordinance No. 18807.....	\$ 14,920.00
Appropriation, Ordinance No. 19597-8.....	372.50
Appropriation, Ordinance No. 19736.....	2,250.00
Appropriation, Ordinance No. 20063.....	2,300.00
Appropriation, Ordinance No. 20128.....	250.00—\$ 20,092.50
Claims Audited and Warrants Drawn—	
Salary Chief Janitor, \$100 per month.....	\$ 1,200.00
Salary Engineer, \$120 per month.....	1,440.00
Salary elevator attendant, \$80 per month.....	960.00
Salary 7 janitors, \$80 per month.....	6,720.00
Salary extra labor, \$2.50 per day.....	212.50
Repair of roof	700.00
Fuel	2,028.70
Repair engine and elevator.....	245.09
Miscellaneous	1,905.22

Total warrants drawn.....	\$ 15,411.51
Balance appropriation carried forward.....	4,680.99—\$ 20,092.50

Building Inspector's Department.

Appropriation, Ordinance No. 18807.....	\$ 7,680.00
Appropriation, Ordinance No. 19444.....	1,575.00—\$ 9,255.00
Claims Audited and Warrants Drawn—	
Salary Building Inspector, \$175 per month.....	\$ 2,100.00
Salary 1 Deputy, 11 months, 13½ days, \$150 per month	1,717.80
Salary 2 Deputies, \$125 per month.....	3,000.00
Salary 1 Deputy, 6 months, \$125 per month....	750.00
Salary 1 Deputy, 6 months, \$100 per month....	600.00
Salary 1 Clerk, \$65 per month.....	780.00

Total warrants drawn.....	\$ 8,947.80
Balance appropriation canceled.....	307.20—\$ 9,255.00

Plumbing Inspector's Department.

Appropriation, Ordinance No. 18807.....	\$ 7,080.00—\$ 7,080.00
Claims Audited and Warrants Drawn—	
Salary Plumbing Inspector.....	\$ 1,800.00
Salary 3 Deputies, \$125 per month.....	4,500.00
Salary 1 Clerk, \$65 per month.....	780.00—\$ 7,080.00

City Attorney's Department.

Appropriation, Ordinance No. 18807.....	\$ 11,220.00
Appropriation, Ordinance No. 19681.....	75.00
Appropriation, Ordinance No. 20309.....	142.00—\$ 11,437.00
Claims Audited and Warrants Drawn—	
Salary City Attorney, \$200 per month.....	\$ 2,400.00
Salary 2 Deputies, \$150 per month.....	3,600.00
Salary 1 Deputy, 10 months, \$150 per month...	1,500.00
Salary 1 Deputy, \$125 per month.....	1,500.00
Salary 1 Stenographic Clerk, \$85 per month...	1,020.00
Salary 1 Stenographic Clerk, 1 month, 19 days, \$85 per month.....	146.10
Salary 1 Stenographic Clerk, \$75 per month...	900.00
Total warrants drawn	\$11,066.10
Balance appropriation canceled.....	370.90—\$ 11,437.00

Municipal Court.

Appropriation, Ordinance No. 18807.....	\$ 3,000.00—\$ 3,000.00
Claims Audited and Warrants Drawn—	
Salary Municipal Judge, \$150 per month.....	\$ 1,800.00
Salary Municipal Clerk, \$100 per month.....	1,200.00—\$ 3,000.00

Harbormaster.

Appropriation, Ordinance No. 18807.....	\$ 2,400.00
Appropriation, Ordinance No. 20127.....	225.00—\$ 2,625.00
Claims Audited and Warrants Drawn—	
Salary Harbormaster	\$ 2,400.00
Salary Engineer	225.00—\$ 2,625.00

Free Employment Bureau.

Appropriation, Ordinance No. 18807.....	\$ 2,000.00—\$ 2,000.00
Claims Audited and Warrants Drawn—	
Salary Clerk, 11 months, \$100 per month.....	\$ 1,100.00
Salary Assistant Clerk, 8 months, \$50 per mo..	400.00
Typewriter	137.35
Telephone	74.55
Rent	105.00
Miscellaneous	93.05
Total warrants drawn.....	\$ 1,909.95
Balance appropriation canceled.....	90.05—\$ 2,000.00

Sealer of Weights and Measures.

Appropriation, Ordinance No. 18807.....	\$ 3,106.00
Appropriation, Ordinance No. 19387.....	200.00—\$ 3,306.00
Claims Audited and Warrants Drawn—	
Salary sealer weights and measures, \$125 per month	1,500.00
Salary deputy, \$100 per month.....	1,200.00
Horse	187.50
Feed	266.70
Shoes, harness, etc.....	57.75
Total warrants drawn.....	\$ 3,211.95
Appropriation carried forward.....	27.00
Balance appropriation canceled.....	67.05—\$ 3,306.00

Civil Service Commission.

Appropriation, Ordinance No. 18807.....	\$ 2,100.00—\$ 2,100.00
Claims Audited and Warrants Drawn—	
Salary Secretary, \$100 per month.....	\$ 1,200.00
Salary Clerk, \$75 per month.....	900.00—\$ 2,100.00

Street Cleaning Department.

Appropriation, Ordinance No. 18807.....	\$205,433.00
Appropriation, Ordinance No. 20418.....	17,000.00—\$222,433.00
Claims Audited and Warrants Drawn—	
Salary Superintendent, \$175 per month.....	\$ 2,100.00
Salary foreman, \$125 per month.....	1,500.00
Salary 8 barnmen, \$85 per month.....	8,160.00
Salary 2 night foremen, \$80 per month.....	1,920.00
Salary 1 broommaker, \$80 per month.....	960.00
Salary 1 repairman, \$90 per month.....	1,080.00
Salary 1 assistant repairman, \$75 per month...	900.00
Salary 1 clerk, \$75 per month.....	900.00
Salary laborers, \$2.50 per day.....	84,348.40
Hired teams for street sprinkling.....	11,035.00
Electric sprinklers	4,601.92
Veterinary services	240.00
Automatic fire alarm.....	120.00
Sawdust	113.68
Equipment	5,050.00
Rattan	3,627.10
Feed	14,379.25

Harness	1,132.81
Blacksmithing	2,068.85
Shoeing horses	2,164.90
Lumber	515.33
Hardware	571.24
Horses	7,750.00
Oil for sprinkling streets	4,767.04
Tools	74.38
Telephone	60.00
Hose	318.25
Scales	238.50
Plumbing	317.73
Fuel	192.70
Axle grease	41.84
Rent lot adjoining barn.....	112.00
Pitch	46.76
Drugs	202.40
Paint and oil.....	187.91
Miscellaneous	478.01
Total warrants drawn.....	\$162,276.00
Appropriation carried forward.....	39,314.81
Balance appropriation canceled.....	20,842.19—\$222,433.00

Pound Department.

Appropriation, Ordinance No. 18807.....	\$ 6,588.80—\$ 6,588.80
Claims Audited and Warrants Drawn—	
Salary Poundmaster, \$90 per month.....	\$ 1,080.00
Salary 3 Deputy Poundmasters, \$85 per mo...	3,060.00
Salary extra help, \$2.50 per day.....	201.13
Feed	744.78
Shoeing horses	103.50
Rent, East Side Pound.....	185.15
Horse	200.00
Blacksmithing	29.63
Harness	13.02
Miscellaneous	156.00
Total warrants drawn.....	\$ 5,773.21
Balance appropriation canceled	815.59—\$ 6,588.80

Carfare.

Appropriation, Ordinance No. 18807.....	\$ 2,400.00—\$ 2,400.00
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Claims Audited and Warrants Drawn—	
Health Department	361.50
Plumbing Inspector's Department.....	141.00
Building Inspector's Department.....	127.50
Street Cleaning Department.....	24.00
Engineer's Department	682.56
Auditor's Department	3.00
Pound Department	4.50

Total warrants drawn.....	\$ 1,344.06
Carried forward	13.50
Balance appropriation canceled.....	1,042.44—\$ 2,400.00

Free Museum.

Appropriation, Ordinance No. 18807.....	\$ 1,000.00—\$ 1,000.00
Claims Audited and Warrants Drawn—	
Show Cases	\$ 275.86
Mounting birds	338.50
Express charges	11.05
Labels	57.20
Bear	30.00
Miscellaneous	23.72

Total warrants drawn.....	\$ 736.33
Balance appropriation carried forward.....	263.67—\$ 1,000.00

Miscellaneous Expenses Council.

Appropriation, Ordinance No. 18807.....	\$ 1,000.00—\$ 1,000.00
Claims Audited and Warrants Drawn—	
Warrants drawn	\$ 250.00
Balance appropriation canceled	750.00—\$ 1,000.00

Elections.

Appropriation, Ordinance No. 18807.....	\$ 15,000.00—\$ 15,000.00
Claims Audited and Warrants Drawn—	
Salaries Judges and Clerks.....	\$ 6,968.00
Cost distributing election matter.....	1,989.50
Rent polling places	578.50
Meals	337.90
Clerk	310.00
Ballots, printing, etc.....	2,529.60
Postage	377.70

Miscellaneous	963.40
Total warrants drawn.....	\$ 14,054.60
Balance appropriation canceled.....	945.40—\$ 15,000.00

Stationery and Blanks.

Appropriation, Ordinance No. 18807.....	\$ 8,500.00
Appropriation, Ordinance No. 20278.....	2,500.00—\$ 11,000.00
Claims Audited and Warrants Drawn—	
Auditor's Department	\$ 2,960.83
Health Department	481.21
Plumbing Inspector's Department	237.97
Engineer's Department	4,207.76
Municipal Court Department	379.85
Employment Bureau	149.52
Harbormaster	7.50
Mayor's Department	216.04
Mayor's Message	857.60
Civil Service Department	177.29
Pound Department	4.66
Crematory	1.05
Street Cleaning Department	20.00
City Attorney's Department	343.14
Sealer of Weights and Measures.....	8.95
Building Inspector's Department	265.84
Treasurer's Department	645.14
Museum	5.60

Total warrants drawn	\$ 10,969.95
Balance appropriation carried forward.....	30.05—\$ 11,000.00

Bailiff Municipal Court.

Appropriation, Ordinance No. 18946.....	\$ 1,040.00—\$ 1,040.00
Claims Audited and Warrants Drawn—	
Salary Bailiff	\$ 1,040.00—\$ 1,040.00

Codifying Ordinances.

Appropriation carried forward.....	\$ 1,935.45—\$ 1,935.45
Appropriation canceled	\$ 1,935.45—\$ 1,935.45

Charter Revision Committee.

Appropriation carried forward.....	\$ 401.75
Appropriation, Ordinance No. 18903.....	500.00—\$ 901.75

Claims Audited and Warrants Drawn—	
Salary, Clerk	\$ 190.00
Stationery and blanks	370.75

Total warrants drawn	\$ 560.75
Balance appropriation canceled.....	341.00— 901.75

Improvement of Streets in Front of Public Property.

Appropriation carried forward.....	\$ 479.37
Appropriation, Ordinance No. 18807.....	10,000.00—\$ 10,479.37
Claims Audited and Warrants Drawn—	
Improvement of streets	\$ 9,833.68
Balance appropriation carried forward.....	645.69—\$ 10,479.37

Conducting Investigations.

Appropriation carried forward	\$ 876.75—\$ 876.75
Appropriation canceled	\$ 876.75—\$ 876.75

Insurance.

Appropriation, Ordinance No. 18807.....	\$ 250.00—\$ 250.00
Claims Audited and Warrants Drawn—	
Insurance	\$ 167.50
Balance appropriation canceled	82.50—\$ 250.00

Repair Roof Forestry Building.

Appropriation carried forward	\$ 1,129.35—\$ 1,129.35
Claims Audited and Warrants Drawn—	
Repairing roof	\$ 795.00
Balance appropriation canceled	334.35—\$ 1,129.35

Purchase of Park Property.

Appropriation carried forward	\$ 1,000.00—\$ 1,000.00
Appropriation canceled	\$ 1,000.00—\$ 1,000.00

Sale Park Bonds.

Appropriation carried forward	\$ 461.12—\$ 461.12
Claims Audited and Warrants Drawn—	
Telegram	\$ 6.39
Appropriation canceled	454.73—\$ 461.12

Examination Master Plumbers.

Appropriation, Ordinance No. 18807.....	\$ 300.00—\$ 300.00
Claims Audited and Warrants Drawn—	
Examinations	45.00
Appropriation canceled	255.00—\$ 300.00

License Tags.

Appropriation carried forward	\$ 936.81—\$ 936.81
Claims Audited and Warrants Drawn—	
License tags	878.31
Balance appropriation canceled	58.50—\$ 936.81

Litigation.

Appropriation, Ordinance No. 18807.....	\$ 1,000.00
Appropriation, Ordinance No. 19445.....	667.50
Appropriation, Ordinance No. 19733.....	1,000.00
Appropriation, Ordinance No. 20486.....	60.00
Appropriation, Ordinance No. 20487.....	145.80—\$ 2,873.30
Claims Audited and Warrants Drawn—	
Litigation	2,758.17
Balance appropriation carried forward.....	115.13—\$ 2,873.30

Miscellaneous.

Appropriation carried forward	\$ 10.75
Appropriation, Ordinance No. 18807.....	3,000.00—\$ 3,010.75
Claims Audited and Warrants Drawn—	
Stamps	992.00
Recording deeds	71.90
Telephones	237.35
Safe deposit vaults	196.00
Jurors and interpreters	210.50
Harbormaster, care launch, gasoline, etc.....	192.12
Civil service, rent rooms	31.00
Civil service, typewriter	61.25
Telegraphing	46.34
Repairing adding and numbering machines...	17.85
Directories	72.00
Treasurer's bond	305.00
Cleaning lock, Treasurer's vault.....	59.00
Typewriter, Treasurer	59.50
Miscellaneous	121.56

\$ 2,673.37

Appropriation carried forward	102.10
Balance appropriation canceled	235.28—\$ 3,010.75

Franchise Rights, Madison Street Bridge.

Appropriation, Ordinance No. 18926.....	\$ 1,200.00—\$ 1,200.00
*Franchise right	1,200.00

Total warrants drawn \$ 1,200.00

*Warrant not accepted by Portland Railway, Light & Power Company.

Office Furniture.

Appropriation carried forward	\$ 416.35
Appropriation, Ordinance No. 18807.....	1,000.00
Warrant canceled	700.10—\$ 2,116.45
Claims Audited and Warrants Drawn—	
Auditor's office	156.05
Building Inspector	66.50
Council	95.50
Employment Bureau	172.50
Engineer	200.45
Mayor	800.68

Total warrants drawn \$ 1,491.68
 Balance appropriation carried forward..... 624.77—\$ 2,116 15

Purchase of Street and Sewer Warrants.

Appropriation, Ordinance No. 20058.....	\$ 10,500.00—\$ 10,500.00
Claims Audited and Warrants Drawn—	
Front street	2,643.95
First street	642.76
Corbett and Pennoyer streets	744.84
Hood street	585.91
Macadam street	529.85
Williams avenue sewer	54.85
Cook avenue sewer	339.90
Going street	172.52
Whitaker street	115.78

Total warrants drawn \$ 5,830.36
 Balance appropriation carried forward..... 4,669.64—\$ 10,500.00

Reporters' Room.

Appropriation, Ordinance No. 20282.....	\$	500.00—\$	500.00
Claims Audited and Warrants Drawn—			
Furniture	\$	235.45	
Typewriters		240.00	
Total warrants drawn	\$	475.45	
Balance appropriation canceled		24.55—\$	500.00

Retaining Wall, East Stark Street.

Appropriation, Ordinance No. 20123.....	\$	800.00—\$	800.00
Appropriation carried forward.....	\$	800.00—\$	800.00

Relief Certain Persons.

Appropriation carried forward.....	\$	6.45	
Appropriation, Ordinance No. 18807.....		3,000.00	
Appropriation, Ordinance No. 18900.....		200.00	
Appropriation, Ordinances No. 19331-19332....		3,760.00—\$	6,966.45
Claims Audited and Warrants Drawn—			
*Fine returned Pacific Bridge Company.....	\$	3,640.00	
Fine returned R. J. Debuhr		240.00	
Fine returned W. J. Soverns		25.00	
Fine returned J. Keating		75.00	
Extension Fremont street		200.00	
Miscellaneous licenses		37.50	
Liquor licenses		436.76	
Return pound fees		117.50	
Injuries		511.40	
Chauffeurs' fees returned		3.00	
Assessment Garfield avenue		6.45	
Bail refunded		65.00	
Cement walk		73.70	

Total warrants drawn	\$	5,431.31	
Appropriation carried forward		400.00	
Balance appropriation canceled.....		1,135.14—\$	6,966.45

*Warrant not signed by Mayor, and mandamus proceedings pending.

Improvement East Stark Street.

Appropriation, Ordinance No. 18643.....	\$	9,500.00—\$	9,500.00
Appropriation carried forward	\$	9,500.00—\$	9,500.00

Reconstruction of Sidewalks on Gideon Street.

Appropriation, Ordinance No. 19460.....	\$	200.00—\$	200.00
Appropriation canceled	\$	200.00—\$	200.00

Stenographic Service Special Committee on Building Ordinance.

Appropriation, Ordinance No. 20196.....	\$	150.00	
Appropriation, Ordinance No. 20277.....		150.00—\$	300.00
Appropriation canceled	\$	150.00	
Appropriation carried forward		150.00—\$	300.00

Repairing Dekum Avenue.

Appropriation, Ordinance No. 18975.....	\$	500.00—\$	500.00
Appropriation canceled	\$	500.00—\$	500.00

Arch, Sixth Street.

Appropriation, Ordinance No. 17669.....	\$	2,850.00—\$	2,850.00
Appropriation canceled	\$	2,850.00—\$	2,850.00

Advertising.

Appropriation, Ordinance No. 18807.....	\$	17,500.00	
Appropriation, Ordinance No. 20552.....		775.00—\$	18,275.00
Claims Audited and Warrants Drawn—			
Advertising	\$	18,244.69	
Balance appropriation canceled		30.31—\$	18,275.00

Purchase and Placing of Buoys.

Balance of appropriation carried forward.....	\$	5,014.00—\$	5,014.00
Appropriation canceled		5,014.00—\$	5,014.00

Fire Hydrants.

Appropriation carried forward	\$	10,471.02—\$	10,471.02
Claims Audited and Warrants Drawn—			
Fire hydrants	\$	10,471.02—\$	10,471.02

Care Water, Hawthorne Springs.

Appropriation carried forward	\$	1,000.00—\$	1,000.00
Appropriation canceled		1,000.00—\$	1,000.00

Madison Street Bridge.

Appropriation carried forward	\$ 250.00	
Appropriation, Ordinance No. 19025.....	275.00	
Appropriation, Ordinances No. 19231-3.....	220.00	
Appropriation, Ordinance No. 19527.....	75.00—\$	\$20.00
Claims Audited and Warrants Drawn—		
Salary, watchman, \$75 per month.....	\$ 295.15	
Examination, diver, etc.....	270.00	
Bonds	180.00	
Advertising	51.94	
Telegram	1.42	

Total warrants drawn	\$ 798.51	
Balance appropriation canceled	21.49—\$	\$20.00

Modernizing Vault, Treasurer's Office.

Appropriation, Ordinance No. 19526.....	\$ 150.00—\$	150.00
Claims Audited and Warrants Drawn—		
Lumber	\$ 121.90	
Hardware	6.43	

Total warrants drawn	\$ 128.33	
Balance appropriation canceled	21.67—\$	150.00

Pay of Viewers.

Appropriation, Ordinance No. 18807.....	\$ 4,000.00	
Appropriation, Ordinance No. 20130.....	1,000.00	
Appropriation, Ordinance No. 20279.....	500.00—\$	5,500.00
Claims Audited and Warrants Drawn—		
Pay of viewers	\$ 5,455.00	

Total warrants drawn	\$ 5,455.00	
Balance appropriation canceled	45.00—\$	5,500.00
During the year General Fund warrants amounting to \$991.13 were canceled.		

FIRE DEPARTMENT FUND.

Appropriation, Ordinance No. 18808.....	\$494,980.00—\$494,980.00	
Claims Audited and Warrants Drawn—		
*Salaries, employes	\$290,762.86	

Printing and stationery	646.71	
Fire alarm telegraph.....	1,856.80	
Apparatus repairs	2,452.56	
Cisterns	30.48	
Feed	15,711.82	
Fuel	5,582.51	
Furniture and fixtures.....	218.41	
Hydrants	410.25	
Shoes	2,750.75	
Pasture	128.50	
Harness	386.05	
House repairs	4,621.35	
Lighting (lantern apparatus).....	366.35	
Rent	540.00	
Scavenger service	1,500.75	
Stores	1,494.55	
Allowance, Volunteer Hose Company.....	360.00	
Veterinary surgeon	480.00	
Land for engine house (Kenilworth).....	1,500.00	
Miscellaneous	2.00	
Horses	3,107.50	
Insurance	525.00	
Engine house, Fifteenth and Montgomery Sts..	2,150.00	
Engine house, Sellwood	57.33	
Engine house No. 8 and Truck No. 5.....	3,500.00	
Fuel wagon	485.00	
Installing fifteen new boxes.....	1,511.25	
Wiring boxes	83.54	
20 iron posts, pipes and settings.....	111.89	
Telephone equipment for boxes.....	37.42	
Land engine house, Mount Tabor.....	2,500.00	
Automobile	3,500.00	
Operation and repairs.....	528.82	
Police and fire relief fund.....	2,053.95	

Total warrants drawn.....	\$351,954.40	
Appropriation canceled	72,525.60	
Balance appropriation carried forward.....	70,500.00—\$494,980.00	

***Scale of Salaries paid:**

Chief engineer, \$225 per month.	
Assistant engineer, \$175 per month.	
Battalion chiefs, \$150 per month, each.	
Superintendent fire alarm telegraph, \$150 per month.	

Assistant superintendent fire alarm telegraph, \$125 per month.
 Master mechanic, \$135 per month.
 Machinist, \$100 per month.
 Instrument maker, \$100 per month.
 Hydrantmen, \$100 each per month.
 Linemen, fire alarm telegraph, each \$100 per month.
 Switchboard operators, \$100 each per month.
 Supply driver, \$100 per month.
 Master of fire boat, \$125 per month.
 Pilot of fire boat, \$115 per month.
 Engineer, fire boat, \$125 per month.
 Engineers, fire boat, \$115 each per month.
 Captains of companies, each \$115 per month.
 Lieutenants of companies, each \$110 per month.
 Engineers, each \$110 per month.
 Stokers, each \$100 per month.
 Drivers, each \$100 per month.
 Hosemen, each \$100 per month.
 Laddermen, each \$100 per month.
 Pipemen, each \$100 per month.
 During the year fire department fund warrants amounting to \$2.10 were canceled.

POLICE DEPARTMENT FUND.

Appropriation, Ordinance No. 18809.....	\$264,025.00
Appropriation, Ordinance No. 19734.....	650.00
Appropriation, Ordinance No. 19902.....	2,760.00
Appropriation, Ordinance No. 18901.....	4,172.64—\$271,607.64
Claims Audited and Warrants Drawn—	
*Salaries, Police Department.....	\$210,683.07
Judgments	4,172.64
Meals for prisoners.....	4,533.16
Call boxes	541.08
Photographs	305.50
Telephoning	273.51
Telegraphing	232.26
Stationery	580.51
East Side Station.....	699.00
Protection women and girls.....	1,041.16
Launch	3,021.00
Cushions	41.00
Automobile	1,500.00

Operating and repairs.....	916.10
Blacksmithing	206.30
Horses	780.00
Repairs, stable, scavenger, etc.....	117.95
Feed	3,640.43
Harness	255.83
Shoes	426.50
Veterinary	52.00
Fuel	827.14
Miscellaneous	2,426.19
Police and fire relief fund.....	1,093.00

Total warrants drawn	\$238,365.33
Appropriation canceled	32,504.36
Balance appropriation carried forward.....	737.95—\$271,607.64
*Scale of Salaries paid:	
Chief of Police, \$225 per month.	
Captains, \$150 per month.	
Sergeants, \$115 per month.	
Detectives, \$115 per month.	
Patrolmen, \$100 per month.	
Matron, \$100 per month.	
Female detective, \$150 per month.	
Female detective clerk, \$75 per month.	
During the year police department fund warrants amounting to \$5.00 were canceled.	

LIGHTING FUND.

Amount appropriation brought forward.....	\$ 36,230.38
Appropriation, Ordinance No. 18141.....	20,000.00
Appropriation, Ordinance No. 18812.....	120,177.71—\$176,408.09
Claims Audited and Warrants Drawn—	
Lighting streets	\$ 99,033.84
Amount appropriation canceled	38,965.50
Balance appropriation carried forward.....	38,408.75—\$176,408.09

LIBRARY FUND.

Balance appropriation brought forward.....	\$ 2,420.70
Appropriation, Ordinance No. 18814.....	26,936.38—\$ 29,357.08

Claims Audited and Warrants Drawn—	
Total warrants drawn.....	\$ 26,893.90
Balance appropriation carried forward.....	2,463.18—\$ 29,357.08

SPECIAL BRIDGE FUND.

Appropriation carried forward.....	\$103,437.79
Appropriation, Ordinance No. 18820.....	51,000.00—\$154,437.79
Claims Audited and Warrants Drawn—	
East Twelfth Street bridge.....	\$ 500.00
East Twenty-eighth Street bridge.....	300.00
Total warrants drawn	\$ 800.00
Balance appropriation carried forward.....	153,637.79—\$154,437.79

POLICE AND FIRE RELIEF FUND.

Appropriation, Ordinance No. 18818.....	\$ 2,500.00
Appropriation, Ordinance No. 19853.....	2,100.00
Appropriation, Ordinance No. 20193.....	50.00
Appropriation, Ordinance No. 20415.....	1,500.00—\$ 6,150.00
Claims Audited and Warrants Drawn—	
Total warrants drawn.....	\$ 5,455.17
Balance appropriation canceled.....	694.83—\$ 6,150.00

STREET REPAIR FUND.

Appropriation, Ordinance No. 18813.....	\$121,062.40
Appropriation, Ordinance No. 19230.....	3,500.00
Refund vehicle license tax.....	50.00—\$124,612.40
Claims Audited and Warrants Drawn—	
Salary civil engineer, \$150 per month.....	\$ 1,800.00
Salary instrumentman, \$100 per month.....	1,200.00
Salary 4 chainmen, \$75 per month.....	3,600.00
Salary 3 inspectors, \$125 per month.....	4,500.00
Salary 1 clerk, \$85 per month.....	1,020.00
Salary 1 inspector, \$100 per month.....	1,200.00
Salary traction engineers, 45 cents per hour; bridge foremen, \$4.50 per day; carpenters,	

\$3.50 per day; laborers, \$2.50 per day....	36,922.87
Hardware	926.42
Team hire	5,077.10
Cement	2,896.05
Road roller repairs.....	3,702.58
Fuel	2,699.52
Gravel	2,492.67
Rock	10,092.06
Lumber	11,248.54
Maintenance hard surface streets.....	9,602.11
Repairs hard surface streets.....	5,873.52
Sidewalks	600.00
Carfare	450.00
Miscellaneous	932.67
Refund vehicle license tax.....	25.00

Total warrants drawn.....	\$106,861.11
Appropriation canceled	16,060.92
Appropriation carried forward	1,690.37—\$124,612.40

PARK DEPARTMENT.

Appropriation carried forward.....	\$ 19,064.43
Appropriation, Ordinance No. 18816.....	81,022.00
Appropriation, Ordinance No. 18943.....	1,800.00
Appropriation, Ordinance No. 19909.....	200.00—\$102,086.43
Claims Audited and Warrants Drawn—	
Salary superintendent, \$208.33 per month.....	\$ 2,500.00
Salary engineer, \$145 per month.....	1,740.00
Salary draughtsman, \$90 per month.....	1,080.00
Salary clerk, \$75 per month.....	900.00
Salary zoo tender, \$100 per month.....	1,200.00
Salary custodian forestry building, \$90 per mo.	1,080.00
Salary 3 watchmen, \$75 per month.....	2,700.00
Salary 2 gardeners, \$80 per month.....	1,920.00
Salary laborers, \$2.50 per day.....	23,769.35
Feed	2,672.74
Hardware	1,122.15
Seeds and plants.....	2,221.51
Lumber	1,362.86
Stationery	441.67
Surveys	1,799.76

Music	4,703.00
Fences	3,946.26
Typewriter	101.25
Benches	2,698.67
Carpenter work	529.50
Horses	1,600.00
Fountains	178.75
Paint	814.69
Grading	932.55
Hose	108.50
Cement walks	4,327.35
Concession payment returned.....	200.00
Swings	1,057.00
Rock	674.94
Sand	248.76
Cement	208.25
Fuel	134.06
Telephone	60.00
Plumbing	212.93
Carbolineum	201.40
Drugs	57.55
Hose	306.50
Wagon, plow, scraper, etc.....	799.26
Manure	223.91
Harness	214.01
Shoes	98.85
Veterinary	44.50
Wire rope, buckets, etc.....	279.07
Miscellaneous	1,045.31

Total warrants drawn.....\$ 72,516.86
 Appropriation canceled 28,971.32 || Balance appropriation carried forward..... | 598.25—\$102,086.41 |

During the year park fund warrants amounting to \$75.00 were canceled.

WATER FUND.

Balance appropriation carried forward.....\$122,392.63
 Appropriation, Ordinance No. 18742..... 33,500.00
 Appropriation, Ordinance No. 18817..... 418,757.37—\$574,650.00

Claims Audited and Warrants Drawn—

Land for reservoirs	\$ 71,414.60
Albina pump	1,008.54
Books and stationery.....	2,609.10
Extending mains	55,521.72
High service pump.....	288.11
Inspection	17,813.71
Loose property	3,772.50
Meters	84,643.74
Office expenses	19,950.51
Palatine pump	3,123.83
Pipe line	8,703.80
Repairing mains	32,970.25
Reservoirs (operation)	13,594.82
Reservoirs (construction)	20,889.49
Surveys and explorations.....	2,233.11
Buildings	24,407.83
Reservoirs Nos. 5 and 6.....	7,736.75
New pipe line.....	306.30

Total warrants drawn \$370,988.71 || Appropriation canceled | 152,437.67 |
| Balance appropriation carried forward..... | 51,223.62—\$574,650.00 |

Salaries paid are as follows:

1 superintendent, per month.....	\$ 250.00
5 clerks, per month.....	125.00
7 clerks, per month.....	100.00
1 inspector, per month.....	125.00
1 inspector, per month.....	115.00
1 inspector, per month.....	100.00
13 inspectors, per month.....	90.00
1 pump engineer in charge of reservoir gate- man, per month	115.00
1 assistant engineer, per month.....	80.00
6 night engineers, per month.....	77.00
1 engineer, per month.....	400.00
1 assistant engineer, per month.....	175.00
1 pipe inspector, per month.....	125.00
1 instrumentman, per month.....	125.00
1 chainman, per month.....	80.00
1 transitman, per month.....	100.00
2 draughtsmen, per month.....	100.00
1 draughtsman, per month.....	125.00
3 draughtsmen, per month.....	90.00

1 chainman, per month.....	75.00
3 foremen, per month.....	140.00
1 foreman, per month.....	100.00
1 foreman, per month.....	95.00
1 foreman, per month.....	90.00
Laborers, per day	2.50
Caulkers, per day	3.00

WATER BOND INTEREST FUND.

Coupons paid and returned.....	\$144,930.00
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IMPROVEMENT FUND.

Bonds redeemed	\$ 6,417.85
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IMPROVEMENT BOND SINKING FUND.

Total warrants drawn.....	\$ 11.00
Bonds redeemed	123,054.42—\$123,065.42

IMPROVEMENT BOND INTEREST FUND.

Appropriation brought forward.....	\$ 765.70—\$ 765.70
Appropriation carried forward.....	765.70—\$ 765.70
Claims Audited and Warrants Drawn—	
Coupons paid	\$114,191.89
Warrants drawn	1.54—\$114,193.43

REDEMPTION FUND.

Balance appropriation brought forward.....	\$ 1,734.05
Appropriation, Ordinance No. 18819.....	3,000.00—\$ 4,734.05
Claims Audited and Warrants Drawn—	
Warrants for payment of redemption.....	\$ 3,735.21
Balance appropriation carried forward.....	998.84—\$ 4,734.05
During the year redemption fund warrants amounting to 18 cents were canceled.	

WATER BOND SINKING FUND.

Balance appropriation carried forward.....	\$ 130.65
Appropriation, Ordinance No. 19225.....	63,000.00
Appropriation, Ordinance No. 19772.....	38,704.79
Appropriation, Ordinance No. 20194.....	2,335.54—\$104,170.98

Claims Audited and Warrants Drawn—	
Total warrants drawn (purchase of bonds)....	\$102,850.00
Balance appropriation carried forward.....	1,320.98—\$104,170.98

WATER FUND, BOND ACCOUNT.

Appropriation, Ordinance No. 19223.....	\$179,876.29—\$179,876.29
Claims Audited and Warrants Drawn—	
Purchase of land.....	\$ 62,700.00
Balance appropriation carried forward.....	117,176.29—\$179,876.29

HAWTHORNE AVENUE BRIDGE FUND.

Appropriation, Ordinance No. 19224.....	\$459,391.50—\$459,391.50
Claims Audited and Warrants Drawn—	
Total warrants drawn.....	\$ 61,317.05
Balance appropriation carried forward.....	398,074.45—\$459,391.50

BONDED INDEBTEDNESS INTEREST FUND.

Appropriation, Ordinance No. 18810.....	\$ 134.50—\$ 134.50
Claims Audited and Warrants Drawn—	
Total warrants drawn.....	\$ 134.50—\$ 134.50

Coupons Paid.

Interest coupons paid in Portland.....	\$124,425.00
Interest coupons paid in New York, as follows:	
Chemical National Bank, New York.....	33,425.00
Chase National Bank, New York.....	4,110.00
N. W. Harris & Company, New York.....	14,820.00
Blair & Company, New York.....	600.00—\$177,380.00

PARK AND BOULEVARD FUND.

Appropriation carried forward.....	\$510,945.00—\$510,945.00
Claims Audited and Warrants Drawn—	
Total warrants drawn.....	\$404,980.95
Balance appropriation carried forward.....	105,964.05—\$510,945.00

SUMMARY.

General fund	\$ 539,679.39
Fire Department fund.....	351,954.40
Police Department fund.....	238,365.33

Bonded indebtedness interest fund.....	177,514.50
Lighting fund	99,033.84
Street repair fund.....	106,861.11
Public library fund.....	26,893.90
Park fund	72,516.86
Water fund	370,988.71
Water bond interest fund.....	144,950.00
Water bond sinking fund.....	102,850.00
Improvement fund	6,417.08
Improvement bond sinking fund.....	123,065.42
Improvement bond interest fund.....	114,193.43
Police and Fire Department relief fund.....	5,455.17
Redemption fund	3,735.21
Special bridge fund.....	800.00
Park and boulevard fund.....	404,980.95
Hawthorne Avenue bridge fund.....	61,317.05
Water fund, bond account.....	62,700.00
	\$ 3,014,272.35

TRIAL BALANCE, JANUARY 1, 1910.

City of Portland.....	\$ 9,692,190.94	
Bonds		\$ 6,926,500.00
Improvement bonds		2,779,118.69
Street and sewer warrants.....	13,427.75	
Certificates of deposit.....	98,705.05	
J. E. Werlein, Treasurer.....	2,077,727.01	
J. E. Werlein, Treasurer, bonds deposited by Mt. Hood Electric Company.....	1,000.00	
Sinking fund investments.....	287,239.99	
Water bond sinking fund investments....		228,351.53
Improvement bond sinking fund invest- ments		51,388.46
Police and fire relief fund investments...		7,500.00
General fund		274,083.50
Appropriation, general fund.....	64,485.15	
Appropriation, expense city engineer's de- partment		200.00
Appropriation, expense health department		2,937.80
Appropriation, expense garbage crema- tory		10.00
Appropriation, expense street cleaning and sprinkling department.....		39,314.81

Appropriation, expense City Hall.....		4,680.99
Appropriation, expense sealer weights and measures		27.00
Appropriation, expense litigation.....		115.13
Appropriation, expense Free Museum....		263.67
Appropriation, expense stationery and blanks		30.05
Appropriation, expense relief certain persons		400.00
Appropriation, improvement streets in front of public property.....		645.69
Appropriation, expense office furniture....		624.77
Appropriation, miscellaneous expense....		102.10
Appropriation, expense carfare.....		13.50
Appropriation, expense retaining wall East Stark Street		800.00
Appropriation, improvement East Stark Street		9,500.00
Appropriation, purchase of street improve- ment and sewer warrants.....		4,669.64
Appropriation, expense stenographic serv- ice special committee.....		150.00
Fire Department fund.....		169,331.67
Appropriation, Fire Department fund....	70,500.00	
Appropriation, expense Fire Department..		70,500.00
Police Department fund.....		66,071.67
Appropriation Police Department fund...	737.95	
Appropriation, expense Police Department fund		737.95
Bonded indebtedness interest fund.....		60,950.13
Chemical National Bank, New York....		12,525.00
Chase National Bank, New York.....		390.00
N. W. Harris & Co., New York.....		480.00
Lighting fund		57,236.18
Appropriation, lighting fund.....	38,408.75	
Appropriation, lighting streets.....		38,408.75
Street repair fund.....		58,745.73
Appropriation, street repair fund.....	1,690.37	
Appropriation, repairs to streets and bridges		1,665.37
Appropriation, refund of vehicle license tax		25.00
Public library fund.....		159.39

Appropriation, public library fund.....	2,463.18	
Appropriation, expense public library.....		2,463.18
Park fund		37,160.92
Appropriation, park fund.....	598.25	
Appropriation, expense park department..		598.25
Special bridge fund.....		156,032.29
Appropriation, special bridge fund.....	153,637.79	
Appropriation, expense of construction of bridges		153,637.79
Water fund		184,977.48
Appropriation, water fund.....	51,223.62	
Appropriation, expense water department.		51,223.62
Water bond interest fund.....		72,675.00
Water bond sinking fund.....		1,320.98
Appropriation, water bond sinking fund..	1,320.98	
Appropriation, purchase of bonds.....		1,320.98
Police and Fire Department relief fund...		902.77
Redemption fund		167.80
Appropriation, redemption fund.....	998.84	
Appropriation, redemption of certificates..		998.84
Water fund, bond account.....		115,992.06
Appropriation, water fund, bond account.	117,176.29	
Appropriation new pipe line, land, meters, etc.		117,176.29
Park and boulevard fund.....		105,918.78
Appropriation, park and boulevard fund.	105,964.05	
Appropriation, purchase of parks and establishing of boulevards.....		105,964.05
Hawthorne Avenue bridge fund.....		407,843.61
Appropriation, Hawthorne Avenue bridge fund	398,074.45	
Appropriation, construction Madison Street bridge		398,074.45
General fund, redemption of warrants...		2,889.53
Fund for repairs to streets and bridges...		31.98
Bill posting badge fund.....		98.00
Mt. Hood Electric Co. deposit fund.....		1000.00
Portland Railway Light and Power Co., deposit fund		1,000.00
Street improvement funds.....		32,224.80
Sewer funds		1,979.18
Street extension funds.....		11,764.57
Water main funds		956.95

Street and sewer interest fund.....		1,516.44
Appropriation, street and sewer interest fund	130.98	
Appropriation, payment of interest on street and sewer warrants.....		130.98
Improvement fund		105,391.54
Improvement bond sinking fund.....		225,762.33
Appropriation, improvement bond interest fund	765.70	
Appropriation, payment of accrued inter- est on improvement bonds.....		765.70
Franchises (general)		2,200.00
Franchise, United Railways Company....	2,200.00	
Improvement bond interest fund.....		9,851.78
	\$13,180,667.09	\$13,180,667.09

DETAILED STATEMENT OF LICENSES PAID DURING YEAR OF 1909.

Occupations	1st Quarter	2d Quarter	3rd Quarter	4th Quarter	Total for Year
Abstractors	\$ 46 25	\$ 26 25	\$ 41 25	\$ 33 75	\$ 147 50
Auctioneers	320 00	360 00	240 00	280 00	1200 00
Baggage Solicitors	5 00	10 05	-----	-----	15 05
Banks	475 00	440 00	530 00	395 00	1840 00
Baths and Massage	157 50	192 50	62 50	105 00	517 50
Billiards	171 65	190 00	216 65	195 00	773 30
Bill Distributors	526 65	16 70	49 95	23 35	616 65
Bowling Alleys	30 00	31 65	40 00	38 35	140 00
Brokers—Mdse. or Mfrs. Agents	246 65	130 00	310 00	170 00	856 65
Brokers—Money, Warrants, etc.	260 00	140 00	268 35	186 65	855 00
Brokers—Stocks	25 00	75 00	25 00	50 00	175 00
Chiroprodists	56 65	68 35	86 65	70 00	281 65
Coal Oil Storage	61 00	46 00	52 00	49 00	208 00
Dance Halls	25 00	23 35	60 00	45 00	153 35
Detective Agencies	50 00	40 00	66 65	50 00	206 65
Employment Agents—Female	100 00	-----	200 00	-----	300 00
Employment Agents—General	850 00	-----	2000 00	-----	2850 00
Express, Railroad, Telegraph, Telephone, and Messenger Companies	1125 95	1003 15	1162 00	1025 00	4316 10
Hack Drivers	3 00	-----	2 00	1 00	6 00
Hawkers and Peddlars	373 65	1910 35	1302 50	785 65	4372 15
Hotel Runners	260 00	216 65	273 35	283 35	1033 35
Insurance	1560 00	1260 00	1603 40	1560 00	5983 40

DETAILED STATEMENT OF LICENSES PAID DURING YEAR OF 1909—Continued.

Occupations	1st Quarter	2d Quarter	3rd Quarter	4th Quarter	Total for Year
Knife and Ball Racks	25 00	-----	25 00	58 30	108 30
Laundries—Hand	230 00	205 00	215 00	185 00	835 00
Laundries—Power	150 00	80 00	98 35	80 00	438 35
Liquor Dealers—Breweries	300 00	500 00	500 00	500 00	1800 00
Liquor Dealers—Grocers and Druggists	825 00	825 00	850 00	975 00	3475 00
Liquor Dealers—Restaurants	-----	650 00	2575 00	2850 00	6075 00
Liquor Dealers—Saloons	86000 00	84000 00	83800 00	83800 00	337600 00
Liquor Dealers—Wholesalers	1200 00	1233 35	1366 65	1600 00	5400 00
Liquor Dealers—Wholesalers and Rectifiers	1650 00	1650 00	1650 00	1500 00	6450 00
Mercantile Agencies	62 50	62 50	62 50	62 50	250 00
Milk and Cream Dealers—By hand, with can or cart	-----	2 00	4 50	23 25	29 75
Milk and Cream Dealers—Creameries or Milk Depots	-----	15 00	10 00	42 50	67 50
Milk and Cream Dealers—Stores, Houses, etc.	-----	3 00	17 00	47 00	67 00
Milk and Cream Dealers—Wagons	-----	45 00	52 50	281 25	378 75
Pawnbrokers	900 00	900 00	975 00	900 00	3675 00
Physicians and Dentists	866 00	160 00	154 00	51 00	1231 00
Plumbers	192 00	36 00	-----	-----	228 00
Powder and Explosives	38 35	50 00	60 00	30 00	178 35
Second Hand Dealers	470 00	435 00	480 00	445 00	1830 00
Shooting Galleries	275 00	158 30	125 00	200 00	758 30
Shows and Exhibitions	150 00	75 00	-----	108 35	333 35

DETAILED STATEMENT OF LICENSES PAID DURING YEAR OF 1909—Continued.

Occupations	1st Quarter	2d Quarter	3rd Quarter	4th Quarter	Total for Year
Steamboat Runners	16 65	23 35	20 00	-----	60 00
Storage	120 00	130 00	150 00	120 00	520 00
Theatres—Class 1	450 00	383 35	316 65	416 65	1566 65
Theatres—Class 2	260 00	210 00	180 00	250 00	900 00
Theatres—Class 3	306 70	320 00	400 00	386 65	1413 35
Vehicles	4521 80	5262 80	8021 65	10665 15	28471 40
Wharfingers	410 00	430 00	510 00	496 65	1846 65
Miscellaneous	411 85	1926 85	2335 35	697 50	5371 55
Total	\$106,559 80	\$105,951 50	\$113,546 40	\$112,117 85	\$438,175 55

DETAILED STATEMENT BONDED INDEBTEDNESS, DECEMBER 31, 1909.

General.				
Amount.	Date.	Time.	Interest.	Object.
\$ 56,500.00	May 1, 1903	25 years	4 per cent.	To redeem outstanding bonds.
430,000.00	Dec. 1, 1898	30 years	5 per cent.	Funding floating debt.
Water Bonds.				
Amount.	Date.	Time.	Interest.	Object.
\$ 700,000.00	Jan. 1, 1887	30 years	5 per cent.	Purchase of water works.
2,200,000.00	July 1, 1893	30 years	5 per cent.	Construction Bull Run system.
250,000.00	Jan. 1, 1909	25 years	4 per cent.	Construction additional pipe line and purchase of property.
City Hall Bonds.				
Amount.	Date.	Time.	Interest.	Object.
\$ 175,000.00	Jan. 1, 1890	30 years	5 per cent.	Purchase of site.
500,000.00	July 1, 1892	30 years	5 per cent.	Construction of City Hall.
Bridge Bonds.				
Amount.	Date.	Time.	Interest.	Object.
\$ 500,000.00	Jan. 1, 1892	30 years	5 per cent.	Purchase and construction of free bridges.
200,000.00	April 1, 1895	30 years	5 per cent.	Purchase of Morrison street bridge.
400,000.00	Jan. 1, 1904	30 years	4 per cent.	Construction of Morrison street bridge.
450,000.00	Jan. 1, 1909	30 years	4 per cent.	Construction of Hawthorne avenue bridge.

DETAILED STATEMENT BONDED INDEBTEDNESS, DECEMBER 31, 1909.

Park and Boulevard Bonds.				Object.
Amount.	Date.	Time.	Interest.	
\$ 500,000.00	Dec. 1, 1908	25 years	4 per cent.	Purchase and improvement parks and boulevards.
Ferry Bonds.				Object.
Amount.	Date.	Time.	Interest.	
\$ 50,000.00	April 1, 1893	30 years	5 per cent.	Construction of ferry.
\$ 15,000.00	Dec. 1, 1903	30 years	5 per cent.	Construction of ferry, 1904.
\$ 50,000.00	Jan. 1, 1904	30 years	4 per cent.	Construction of ferry, 1904.
Former City of East Portland.				Object.
Amount.	Date.	Time.	Interest.	
\$ 250,000.00	May 1, 1891	30 years	6 per cent.	Water system.
\$ 50,000.00	May 1, 1891	30 years	6 per cent.	Electric light plant.
Former City of Albina.				Object.
Amount.	Date.	Time.	Interest.	
\$ 10,000.00	Aug. 1, 1890	20 years	6 per cent.	Municipal expenses.
\$ 40,000.00	June 1, 1891	30 years	6 per cent.	Municipal expenses.
\$ 50,000.00	June 1, 1891	30 years	6 per cent.	Boulevards and roadways.
\$ 50,000.00	June 1, 1891	30 years	6 per cent.	Purchase and improvement of parks.

IMPROVEMENT BONDS.

Outstanding December 31, 1908.....	\$1,707,368.06
Improvement bonds issued during 1909.....	1,232,722.13—\$2,940,090.19
Improvement bonds redeemed during 1909.....	\$ 129,471.50
Outstanding December 31, 1909.....	2,810,618.69—\$2,940,090.19

SINKING FUND INVESTMENTS.

Water Bond Sinking Fund Investments.

Improvement bonds purchased and in custody of Water Board January 1, 1909, par value	\$ 159,851.53
Improvement bonds purchased during year 1909, par value.....	100,000.00—\$ 259,851.53
(Premium and accrued interest paid on bonds purchased during 1909, \$2,850.00.)	
Improvement bonds redeemed by city during 1909	\$ 31,500.00
Improvement bonds in custody of Water Board December 31, 1909.....	228,351.53—\$ 259,851.53

Improvement Bond Sinking Fund Investments.

Improvement bonds purchased and in custody of City Treasurer, December 31, 1909	\$ 51,388.46—\$ 51,388.46
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Police and Fire Relief Fund Investments.

Improvement bonds purchased and in custody of City Treasurer, December 31, 1908	\$ 4,000.00
Improvement bonds purchased during 1909, par value	3,500.00—\$ 7,500.00
(Premium and accrued interest paid on bonds purchased during 1909, \$7.25.)	

BALANCES AND WARRANTS OUTSTANDING IN STREET IMPROVEMENT FUNDS, DECEMBER 31, 1909.

	Warrants
	Balances. Outstanding.
Taylor Street	\$ 160.26

	Balance	War. Out'g
Eighteenth Street, N., "M" to Sherlock Addition		86.44
Chapman Street, Jefferson to Taylor Streets...		1,052.91
Front Street, S., Gaines Street to First Avenue.\$	88.14	88.14
Second Street, S., Sheridan to Gibbs Streets...		251.52
Williams Avenue, Grant to Going Streets...		2,500.00
"M" Street, Fourth to Twelfth Streets.....	68.37	68.37
Clinton Street, East Twelfth to East Twenty-first Streets	532.28	532.28
Fifth Street, "C" to "I" Streets.....	65.34	65.34
Grand Avenue, East Clay to East Stark Streets	2.36	2.36
"G" Street, east to west end.....	4.62	4.62
Water Street, planking.....		86.32
Twenty-second Street, N., "J" to "P" Streets..	22.66	22.66
Clinton Street, East Twenty-first to East Thirty-sixth Streets		88.18
Multnomah Street, Grover to Curry Streets...	9.10	961.44
Belmont Street, East Water to East Thirty-fourth Streets	12.00	12.00
Eighth Street, East, East Flanders Street to Riverside Homestead		1,025.53
Going Street, Union Avenue to east line Highland		85.27
Fourth Street, "B" to "G" Streets.....	23.60	23.60
Twenty-fourth Street, East, E. J. Irving's Addition to Tillamook Street.....	29.96	29.96
Grand Avenue, East Clay to East Grant Streets	1.47	1.47
Eighth Street, East, Ainsworth to Dekum Avenues		27.64
Columbia Street, Third to Water Streets.....	.77	.77
Goldsmith Street, 329 feet to 802 feet south of Page Street	1.00	
Tacoma Avenue, Willamette River to east line Sellwood	50.00	50.00
Morrison Street, Front to Chapman Streets...		27.57
Grand Avenue, East Grant to East Caruthers Streets		21.40
First Street, 100 feet north to 100 feet south of Grover Street.....		112.04
Cable Street, Mill Street to Terrace Road.....	60.51	60.51

	Balance	War. Out'g
Front Street, Woods to Grover Streets.....	43.78	43.78
Corbett Street, 100 feet north to 30 feet south of Pennoyer Street	2.75	
Elm Street, Sixteenth Street to Chapman Street	3.75	3.75
Front Street, Madison to Burnside Streets....	5.94	5.94
Hood Street, Sheridan to Curry Streets.....	6.05	6.05
Jefferson Street, Sixteenth Street to City Park.		9.58
Corbett Street, Hood Street to Bancroft Avenue		401.80
Davis Street, Twelfth to Fourteenth Streets...	2.90	2.90
Union Avenue, 12 feet south to 131 feet north of Broadway	37.78	37.78
Water and Hood Streets		4.50
Front Street, 150 feet north to 70 feet south of Lane Street	40.63	40.63
Seventeenth Street, 60 feet to 254 feet north of Vaughn Street	24.71	24.71
Stark Street, Seventh to Twelfth Streets.....	7.00	7.00
Tenth Street, Hoyt to Northrup Streets.....		2,879.79
Rodney Avenue, Hancock to Knott Streets....	62.42	62.42
Failing Street, Williams to Union Avenues...	77.01	77.01
Front Street, "Q" to 404 feet south of "Q" Street	36.33	36.33
Hancock Street, 200 feet east of East Seventeenth Street to East Fifteenth Street.....	1.41	1.41
Kelly Street, Grover to Seymour Streets.....		175.38
Nineteenth Street, East, Multnomah to Weidler Streets	136.79	
First Street, Madison to Stark Streets.....		183.59
Peninsula Avenue, Pippin Street to Columbia Boulevard	56.67	56.67
Sherman Street, Sixth Street to 300 feet west of Sixth Street.....	.16	.16
Salmon Street, East, East Fifteenth to East Thirty-third Streets	38.35	38.35
Kelly Street, Hamilton Avenue to Macadam Road	109.28	109.28
Washington Street, "B" Street to City Park..	9.48	9.48
Fourth Street, Glisan Street to Jefferson Street	.05	.05
Twenty-fourth Street, East, Multnomah to Halsey Streets	18.63	203.43
Albina Avenue, Page to River Streets, (reassessment)	713.21	10,965.55

	Balance	War. Out'g
River Street, Albina Avenue to 100 feet south of Albina Avenue		477.05
Hancock Street, East Twenty-fourth Street to 200 feet east of county road.....	16.54	16.54
Third Street, Main to Glisan Streets.....		5,593.59
Albina Avenue, Page to River Streets.....	28.06	28.06
Front Street, Arthur to Seymour Streets.....	1.56	3,755.43
Overton Street, Twelfth to Twenty-fifth Streets	56.01	56.01
Macadam Street, Grover Street to blocks 188 to 187, Caruthers' Addition to Caruthers' Addition		406.95
Hood Street fill at Sheridan Street.....	2.23	447.25
Seventeenth Street, Vaughn to Marshall Streets		3,275.30
Goldsmith Street, Albina Avenue to Russell Street		7,760.47
Fourth Street, Burnside to Glisan Streets.....	79.17	79.17
Mississippi Avenue, Morris to Prescott Streets,	3.18	1,252.86
Union Avenue, Alberta Street to Love's D. L. C.	67.68	11,529.56
Karl Street, Milwaukie to East Twentieth Streets		3,814.28
First Street, Grover to Gaines Streets.....		45.03
Rodney Avenue, Knott to Morris Streets.....		1.24
Twelfth Street, East, Powell to Frederick Streets		277.47
Twenty-second Street, East, Dunn's Addition to East Burnside Street.....	.30	.30
Ainsworth Avenue, Union Avenue to East Nineteenth Street		68.07
Union Avenue, Belmont street to Hawthorne Avenue		2,852.97
Corbett Street, Hood Street to Seymour Avenue	122.86	1.45
Pine Street, Front to Sixth Streets.....	11.25	11.25
Front Street fill at Lane Street.....	4.90	1,100.00
Upshur Street, Twenty-sixth Street to North Portland		313.75
Corbett Street fill at Pennoyer Street.....	3.90	588.96
Fremont Street, East Eighth Street to Union Avenue		565.14
Shaver Street, Union Avenue to East Twelfth Street		227.64
Powell Street, Milwaukie to East Twenty-first Streets	31.46	77.24

	Balance	War. Out'g
Hooker Street, Third Street to terminal line of Hooker Street		310.98
First Street fill at Grover Street.....	5.70	511.39
Vancouver Avenue, Morris to Fremont Streets		47.34
Front Street fill at Woods Street.....	2.75	1,000.00
Washington Street, East, Union Avenue to East Water Streets	.30	3,249.98
Couch Street, First to Fourteenth Streets.....		423.58
Williams Avenue, McMillen to Morris Streets	69.57	
Corbett Street fill north of Grover Street.....	168.68	
First Street, north to south line Alder Street.	16.71	16.71
Alder Street, East, Union Avenue to East Tenth Street	6.42	
Sixteenth Street, Washington to Thurman Streets	74.34	74.34
Weidler Street, East First to East Twenty-first Streets	92.01	92.01
Clackamas Street, Union Avenue to East Seventh Street	46.20	1,444.08
Brooklyn Street, East, Tenth Street to Milwaukie Street	3.16	
Twenty-eighth Street, East, Bridge to Wasco Street		24.88
Second Street, Morrison to Glisan Streets....	3.96	768.32
Grand Avenue, East Stark to East Oak Streets		1,505.38
Holladay Avenue, Larrabee to East Twelfth Streets	85.83	1,453.15
Grand Avenue, East Yamhill to East Taylor Streets		448.25
Colfax Street, Union Avenue to Garfield Avenue	1.48	5.59
Third Street, Lincoln to Sheridan Streets.....	1.02	
Twentieth Street, East, East Stark to East Burnside Streets		22.52
Sixteenth Street, College to Davenport Streets.	30.40	36.55
Nehalem Avenue, East Ninth to East Nineteenth Streets		42.00
Ash Street, East, East Twenty-second to East Twenty-eighth Streets		75.81
Hawthorne Avenue, East Water to Stephens D. L. C.	11.80	
Borthwick Street, Central Albina, to Skidmore Street	75.63	75.63
Montana Avenue, Portland Boulevard, to Ray-		

	Balance	War. Out'g
mond Street		257.03
Minnesota Avenue, Killingsworth Avenue to North Albina		6.16
Portsmouth Avenue, Columbia Boulevard to Monta Street	121.00	176.94
Sixth Street, East, East Everett to East Oak Streets		316.61
Union Avenue, East Oak to Belmont Streets..		7.85
Fiske Street, Dawson to Trenton Streets.....		79.92
Fourteenth Street, Burnside to Savier Streets..	1,048.99	1,048.99
Vaughn Street, Thirty-first Street to Block 30, Willamette Heights	327.68	252.04
Failing Street, Maryland to Williams Avenues.	163.31	358.65
Francis Avenue, Belmont Street to Base Line Road		75.13
Stark Street, East, East Washington to East Sherman Streets		30.38
Denver Avenue, Killingsworth Avenue to Portland Boulevard	1,397.40	1,174.80
Union Avenue, East Glisan Street to Holladay Avenue		26.74
Oak Street, East, Union Avenue to East Sixth Street	122.28	5,462.68
Belmont Street, East Water Street to Union Avenue	83.00	83.00
Sixteenth Street, East, East Taylor Street to Hawthorne Avenue		770.91
Hibbard Street, Hibbard's Addition to Base Line Road		4.60
Commercial Street, Fremont to Skidmore Streets		174.46
Skidmore Street, Maryland to Williams Avenues		507.30
Broadway, Crosby to Wheeler Streets.....	92.79	474.60
Thirteenth Street, Leo Avenue to Malden Avenue		27.15
Dekum Avenue, Piedmont Park to Columbia Heights		4,131.09
Sbaver Street, Union to Williams Avenues....		180.45
Belmont Street, East Ninth to East Tenth Streets	467.11	467.11
Van Houten Street, Strong Street to Columbia Boulevard	87.10	368.68
Oak Street, East, East Water to East Second Streets		4,087.11

	Balance	War. Out'g
Thirty-fourth Street, East, Brooklyn Street to Powell Valley Road.....	830.28	
Clackamas Street, East Twenty-fourth Street to East Twenty-eighth Street.....	49.88	99.70
Laurel Street, Villa Avenue to Barr Road....	5.37	86.74
Gantenbein Avenue, Morris Street to Block 4, Albina Addition	240.98	240.98
Oak Street, Fourth to Sixth Streets.....		42.00
Prescott Street, Mississippi to Maryland Avenues		167.79
Rodney Avenue, Fremont to Beech Streets...		89.97
Elise Street, Union Avenue to Albina Addition		1,545.15
Claremont Avenue, Base Line Road to Villa Avenue	.16	
Page Street, Albina Avenue to Ross Street...		1,581.16
Thirteenth Street, East, Powell Street to Bis-mark Street	87.93	396.83
Stark Street, East, East Ninth to East Twelfth Streets	20.58	20.58
Twenty-first Street, Spring to Clifton Streets..	22.52	
Forty-fourth Street, East, Hawthorne Avenue to Lot "C".....	51.00	51.00
Willis Boulevard, Newman to Berkeley Street.	217.73	348.80
Fraukfort Street, Milwaukie Street to Feurer's Addition	133.15	1,030.51
Vancouver Avenue, Wheeler Street to Broadway	14.75	18.60
Grand Avenue, Holladay Avenue to Broadway		78.10
Rhine Street, Milwaukie Street to Feurer's Addition	214.48	566.09
Haven Street, Dawson to Rutledge Streets...	21.75	121.34
Sixteenth Street, East, Tillamook to Knott Streets		430.54
Albina Avenue, Fremont to Skidmore Streets..		67.39
Goldsmith Street, Irving's D. L. C. to Albina Avenue		101.43
Dekum Avenue, Piedmont Park to Vancouver Road		158.87
Spokane Avenue, Grand Avenue to 150 feet west of Grand Avenue	206.60	
Taylor Street, East, East Sixteenth to East Seventeenth Streets		12.28
Bybee Avenue, East Fourteenth to Milwaukie Streets	3.06	147.17

	Balance	War. Out'g
Broadway, Vancouver Avenue to East Second Street		371.90
Seventy-eighth Street, East, East Glisan Street Street to North Villa		69.26
Hancock Street, Williams to Vancouver Avenues		427.17
Brooklyn Street, East Twenty-sixth to East Thirty-seventh Streets		95.42
"A" Street (in Tibbetts' Homestead), Gideon Street to O. & C. right of way.....	63.49	63.49
Webster Street, Albina Avenue to Kerby Street	4.75	4.75
Forty-second Street, East, Division to East Grant Streets	201.14	219.38
Forty-fifth Street, East, Lot "B," Hawthorne Avenue Addition to East Lincoln Street...	42.13	145.54
Brooklyn Street, East Thirty-seventh Street to Waverleigh Heights	85.30	85.30
Thirty-sixth Street, East, East Yamhill Street to Hawthorne Avenue	321.55	441.68
Park Street, Burnside to Washington Streets..	311.30	311.30
Haight Avenue	592.82	592.82
Ivon Street, East Third Street to Grand Avenue		13.74
Fortieth Street, East, East Yamhill Street to Belmont Street	74.55	101.96
Fourteenth Street, Jefferson to Glisan Streets..		164.66
Alberta Street, south $\frac{1}{2}$, Williams to Union Avenues	47.99	126.47
Grant Street, East, East Thirty-ninth to East Thirty-eighth Streets		230.41
Wygant Street, East Seventh to East Tenth Streets		86.65
Minnesota Avenue, Fremont to Skidmore Streets	11.18	46.19
Monroe Street, Gantenbein Avenue to Borthwick Street	13.72	125.00
Seventeenth Street, East, Nehalem to Malden Avenues	12.25	40.00
Franklin Street, East Eighth to Milwaukie Streets	31.46	33.29
Forty-fifth Street, East, Hawthorne Avenue to Lot "B"	1.00	105.60
Fourteenth Street, East, Failing 'to Mason Streets	2.34	160.02

	Balance	War. Out'g
Ivy Street, Lot 4, Block 5, Albina, to Williams Avenue		6.00
Twenty-eighth Street, East, Broadway to Halsey Street		82.92
Webster Street, Michigan to Denver Avenues..	332.10	505.89
Thirty-eighth Street, East, north to south line East Grant Street		118.14
Clinton Street, East Twelfth to East Twenty-sixth Streets	4.10	235.94
Emerson Street, Union Avenue to Roselawn, extended	.02	85.10
Seventeenth Street, East, East Stark Street to Sandy Road	337.92	337.92
Main Street, East, East Thirty-ninth to East Forty-first Streets	13.45	13.45
Thirty-sixth Street, East, Ellsworth Street to Waverleigh Heights	270.26	270.26
Tibbetts Street, East Twenty-first to East Twenty-sixth Streets	4.40	50.00
Waverleigh Boulevard, East Twenty-eighth to Thirty-seventh Streets		2,779.37
Delano Street, East Eightieth to East Eighty-second Streets (county road).....		25.38
Hancock Street, East Twenty-first to East Twenty-fourth Streets	24.74	843.41
Seventy-second Street, East, Hassalo Street to Barr Road	1.06	275.00
Flint Street, Hancock to Tillamook Streets..	7.96	25.00
Gantenbein Avenue, Blocks 4 to 5, Albina Addition	2.14	25.00
Multnomah Avenue, East Ninth to East Nineteenth Streets	.93	538.00
Tillamook Street, Williams Avenue to Flint Street	78.87	117.55
Twenty-second Street, East, Hawthorne Avenue to East Market Street.....	108.22	108.22
Twenty-third Street, East, Hawthorne Avenue to East Market Street	109.56	109.56
Twenty-first street, East, Hawthorne Avenue to East Market Street	109.04	109.04
Twenty-fourth Street, East, Holladay Avenue to Sandy Road		192.22
Beech Street, Minnesota to Mississippi Avenues	163.16	163.16

	Balance	War. Out'g
Ross Street, Russell to Page Streets.....		186.50
Columbia Street, Front to Third Streets.....	317.57	317.57
Grand Avenue, Holladay Avenue to East Glisan Street	1,153.65	1,153.65
Alder Street, Front to Sixth Streets.....	188.15	354.22
Denver Avenue, Killingsworth Avenue to Brainard Tract	193.54	193.54
Myrtle Street, Seventeenth Street to Montgomery Street Drive	233.97	494.67
Front Street, north to south lines of Madison Street	62.99	62.99
Twenty-sixth Street, Northrup to Pettygrove Streets	91.19	517.42
Twelfth Street, East, Alberta to Prescott Streets	208.17	208.17
Eleventh Street, East, Going to Alberta Street		125.36
Euclid Avenue, Hawthorne Avenue to East Lincoln Street	468.25	468.25
Sixteenth Street, East, Knott to Siskiyou Streets	21.26	904.25
Ross Street, Dixon to Dupont Streets.....	136.85	137.54
Borthwick Street, Russell to Page Streets.....	165.43	165.43
Gideon Street, Milwaukie to "D" Streets.....	371.59	380.20
Jessup Street, Union to Vancouver Avenues..	769.32	928.68
Seventeenth Street, East, Clackamas Street to Broadway	177.41	247.17
Borthwick Street, Cook Avenue to Central Albina	102.77	113.14
Eleventh Street, Washington to Jefferson Streets	1,426.67	1,426.67
Main Street, East, East Twenty-third Street to Pleasant View Addition	171.79	171.79
Halsey Street, East Twenty-fourth to East Twenty-eighth Streets	3.46	267.78
Grand Avenue, East Clay to Belmont Streets.	1,435.48	1,435.48
Going Street, East Eleventh to East Fifteenth Streets	.47	475.67
Burnside Street, East, East Tenth to East Thirtieth Streets	2,095.14	2,731.59
Atlantic Street, Killingsworth Avenue to Portland Boulevard	311.77	406.11
Burnside Street, Third to Sixth Streets.....	171.40	171.40
Maryland Avenue, Webster to Prescott Streets	146.39	146.39

	Balance	War. Out'g
Twenty-ninth Street, East, Franklin Street to Waverleigh Boulevard	86.97	86.97
Lincoln Street, East, East Thirty-fourth Street to Marguerite Avenue	214.31	214.31
Wygant Street, Patton to Michigan Avenues..	42.76	42.76
Sixteenth Street, East, Clackamas to Halsey Streets	52.32	52.32
Berkley Avenue, Hawthorne Avenue to Division Street	10.45	150.01
Custer Street, Kelly to Corbett Streets.....	39.70	77.33
Eighteenth Street, East, Thompson to Brazee Streets	118.56	118.56
Front Streets, Custer to Miles Streets.....	178.92	178.92
Fourteenth Street, East, Fremont to Failing Streets	16.09	213.09
Killingsworth Avenue, Patton Avenue to Willette Boulevard	15.69	2,585.73
Hassalo Street, Grand Avenue to East Eleventh Street	59.94	697.39
Stark Street, Second to Third Streets.....	72.41	72.41
Seventeenth Street, East, Knott to Siskiyou Streets	32.16	669.58
Twenty-first Street, East, Brazee to Knott Streets	193.76	193.76
Third Street, East, East Glisan street to Heiple Tract	79.59	137.28
Tenth Street, East, 50 feet south to 45 feet north of East Stark Street.....	134.25	134.25
Water Street, Clay to Columbia Streets.....	324.14	324.14
Williams Avenue, Killingsworth to Ainsworth Avenues	21.59	881.50
Michigan Avenue, Fremont to Skidmore Streets	4.94	752.90
Seventeenth Street, East, Bismark Street to Insley Avenue	1,286.27	1,433.85
Pine Street, East, East Eighteenth to East Thirty-second Streets	7.56	6,861.97
Custer Street, Water to Front Streets.....		431.17
Eleventh Street, East, Failing to Fremont Streets	.42	333.65
Harrison Street, East, East Thirty-fourth to East Thirty-ninth Streets	358.66	1,633.15
Nineteenth Street, East, Knott to Siskiyou Street	358.35	584.23

	Balance	War. Out'g
Alley, Block 26, Multnomah Addition, Beech to Failing Streets	11.17	142.52
Eighth Street, East, Holladay Avenue to Halsey Street	29.86	1,539.16
Twelfth Street, East, Multnomah to Halsey Streets	236.84	236.84
Salmon Street, East, East Water Street to Union Avenue	20.67	26,960.02
Thurman Street, Twenty-fifth Street to 220 feet west of Twenty-ninth Street	38.67	24,027.48
Thirtieth Street, East, Blumauer's Addition to Sandy Road	22.19	2,312.28
Jessup Street, Patton Avenue to Concord Street	16.90	1,189.20
Crookham Avenue, Milwaukie to East Seventeenth Streets		2,148.68
Milwaukie Street, O. & C. R. R. to Holgate Street	493.06	3,022.40
Bancroft Avenue, West to Kelly Streets.....	2.09	13,381.13
Tenino Avenue, Grand Avenue to East Thirtieth Street	50.22	1,445.27
Sherlock Avenue, Nicolai Street to O. R. & N. Tract	2.74	658.27
Stanton Street, East Fourteenth to East Twenty-fourth Streets	10.95	19,153.00
Overton Street, Twenty-fifth to Twenty-seventh Streets	442.92	442.92
Twenty-first Street, East, Knott to Siskiyou Streets		5,779.84
Stephens Street, East Thirty-seventh to East Thirty-ninth Streets	22.19	3,480.53
Twentieth Street, East, Brazee Street to 300 feet north therefrom		2,462.40
Thurman Street, Steel Bridge, Willamette Heights to Rugby Street		8,965.34
Marion Avenue, East Twenty-third to East Nineteenth Streets	6.54	1,679.35
Bidwell Avenue, East Thirteenth Street to Milwaukie County Road	150.71	1,167.15
Maryland Avenue, Webster Street to North Albina	21.68	2,258.01
Michigan Avenue, Killingsworth Avenue to Humboldt Street	16.25	2,096.97
Oak Street, East, East Eighteenth Street to E. J. Murphy's Addition	73.87	4,336.58

	Balance	War. Out'g
Taylor Street, East, East Fifty-fifth to East Sixtieth Streets	2.20	3,140.94
Twenty-eighth Street, East, Francis Avenue to Evanston Addition	248.24	1,426.24
Union Avenue, Holladay Avenue to Alberta Street	18.73	137,294.86
Wasco Street, Grand Avenue to East Fifteenth Street	596.52	6,206.83
Thirty-first Street, East, Brooklyn to Clinton Streets	5.04	2,101.49
Sixth Street, Irving to Glisan Streets.....	24.00	2,519.88
Kerby Street, Russell Street to Cook Avenue..	115.41	4,830.18
Everett Street, Tenth to Twenty-third Streets.	49.48	26,675.50
Commercial Street, Stanton Street to Section 22, Township 1 North, Range 1 East, Willamette Meridian	180.62	3,602.25
Broadway, Union Avenue to East Twenty-fourth Street	1,333.00	53,170.64
Thurman Street, Rugby Street to north line Willamette Heights	6.11	10,070.93
Clackamas Street, East Seventh to East Fifteenth Streets	445.31	831.99
Seventh Street, East, Holladay Avenue to Clackamas Street	15.34	2,517.72
Hoyt Street, Sixth to Seventh Streets.....	27.36	1,894.20
Weidler Street, Block 11, Carter's Addition to East Thirty-first Street	1.42	4,387.43
Willamette Heights District, Twenty-eighth Street et al. Streets.....	8.18	23,368.66
Stark Street, East, East Twentieth Street to between Ranges 1 and 2, East Willamette Meridian	30.49	
Twenty-seventh Street, East, East Stark to Belmont Streets	365.24	
	\$32,224.80	\$564,097.61

BALANCES AND WARRANTS OUTSTANDING IN SEWER FUND, DECEMBER 31, 1909.

	Warrants Balances Outstanding.
Portland Heights District	\$ 117.91
Whitaker Street, Kelly Street to Thomas Creek	\$ 92.00

	Balance	War. Out'g
First Street, Whitaker to Grover Streets.....		34.16
Cook Avenue District		250.00
Williams Avenue, Alberta to Fremont Streets		42.00
Oak Street, et al.....	28.46	
Alder et al.....	14.78	
Tanner Creek		1,337.04
Irvington District	3.14	397.24
Grand Avenue, East Market to East Alder Streets	5.10	
First Street, Gaines Street to between Lane and Abernethy Streets.....	62.60	100.60
Commercial Street, Alberta Street to 400 feet north of Alberta Street	18.15	18.15
Klickitat Street, Union Avenue to 220 feet east of Union Avenue	48.95	83.75
First Street, Bancroft Street to Hamilton Avenue	81.40	81.40
Irving Street, East, East Twenty-second to East Twenty-fourth Streets	16.76	326.96
Belmont Street, Section 6, Township 1 South, Range 2 East, Willamette Meridian to East Sixtieth Street	62.90	307.55
Glisan Street, Fifteenth to Eleventh Streets..	174.75	302.25
Monroe Street, Union Avenue to East Seventh Street	19.35	
Seventh Street, East, Elise, Thompson Streets, et al. Streets	167.45	167.45
Overton Street, Twenty-seventh to Twenty-fifth Streets	12.94	61.79
Michigan Avenue and Prescott Street.....	.20	143.00
Glisan Street, 190 feet west of Twenty-second Street to Twenty-first Street.....	18.35	40.25
Division Street, East Sixth Street to Willamette River		230.50
Sandy Boulevard, East Twenty-eighth to Oregon Streets		130.26
Sherlock Avenue, northerly terminus to Nicolai Street	62.54	62.54
Fourteenth Street, East, Knott to Siskiyou Streets	12.30	2,155.25
Albina Avenue, Sumner to Alberta Streets....	21.84	255.04
Brooklyn District	985.16	156,209.75
Gantenbein Avenue, Stanton to Morris Streets	44.15	
	\$ 1,979.18	\$162,828.93

BALANCES AND WARRANTS OUTSTANDING IN WATER MAIN FUND, DECEMBER 31, 1909.

	Warrants	Balances. Outstanding.
Everett Street, Nineteenth Street to Cornell Road	\$ 956.95	\$ 2,230.60

BALANCES AND WARRANTS OUTSTANDING IN STREET EXTENSION FUNDS, DECEMBER 31, 1909.

	Warrants	Balances. Outstanding.
Fourth Street, South	\$ 150.00	
Heights Terrace	\$ 10.00	10.00
Twenty-second Street, North		1.00
Burnside Street, East, East Twenty-eighth Street to Goodsell Avenue	.50	8.00
St. Helens Road, Front to Twenty-ninth Streets	110.15	
Ellsworth Street, East Sixth to East Ninth Street		70.00
Nevada Street	4.00	
Union Avenue, Alberta Street to Love D. L. C.	3.74	
Clinton Street, East Thirty-sixth to East Thirty-seventh Streets	73.68	
Fifteenth Street, East, Belmont to East Yamhill Streets	14.00	14.00
Dekum Avenue, Camden Street to Vancouver County Road	14.00	14.00
Francis Avenue, east line Block 11 to north line Block 1, Kenilworth	3.00	8.00
Belmont Street, Prettyman Avenue to City Limits	16.00	10.00
Twenty-ninth Street, East, Broadway to Tillamook Street	57.00	57.00
Elsmere Avenue, Hawthorne Avenue to Division Street	15.00	15.00
Twenty-sixth Street, East, Hawthorne Avenue to Dolan's Addition	35.00	35.00
Dekum Avenue, Camden Street to Vancouver County Road	190.40	190.40
Emerald Avenue, Pippin Street to Willis Boulevard	28.65	28.65

	Balance	War. Out'g
Sixteenth Street, East, Highland Park to Howe Street	84.50	84.50
Burrage Street, Pippin to Farragut Streets....	20.67	20.67
Orange Street, Paradise Springs Tract to Myrtle Avenue	124.00	124.00
Nineteenth Street, East, Powell to Eggar Streets	150.00	150.00
Portland Boulevard, Vancouver to Union Avenues	28.75	28.75
Seventeenth Street, East, Highland Park to Howe Streets	126.50	126.50
Twenty-ninth Street, East, Lot "Q," East Portland Heights to Ellsworth Street.....	4.40	4.40
Twenty-seventh Street, East, Lot "S," East Portland Heights to Ellsworth Street....	117.80	117.80
Thirty-second Street, East, Brooklyn to Ellsworth Streets	84.00	84.00
Thirtieth Street, East, Lot "P," East Portland Heights, to Ellsworth Street.....	76.15	76.15
Twenty-eighth Street, East, Lot "R," East Portland Heights, to Ellsworth Street....	40.90	40.90
Sixth Street, East, Block 1, Woodlawn Heights, to Dekum Avenue	505.54	505.54
Pearl Street, Mount Tabor Villa Annex, to Hibbard Street	379.00	796.50
Twenty-sixth Street, East, Hawthorne Avenue to Dolan's Addition	78.00	78.00
Seventh Street, East, Block 22, Woodlawn, to Magnolia Street	43.00	43.00
Fremont Street, Vancouver Avenue to Block 34, Central Albina	57.35	57.35
Thirty-ninth Street, East, East Salmon to East Stark Streets	41.90	41.90
Sandy Road, East Sixteenth to East Twenty-eighth Streets	1.40	1.40
Salmon Street, East, Sunnyside Addition to Glencoe Park	17.00	17.00
Thirty-fourth Street, East, Sandy Road to Section 25, Township 1 North, Range 1 East, Willamette Meridian	40.00	40.00
Villard Avenue, Pippin Street to Portland Boulevard	102.24	102.03
Heights Terrace, College to Harrison Streets..	753.40	753.40

	Balance	War. Out'g
Thirtieth Street, East, East Stark Street to Hawthorne Avenue	16.00	16.00
Sumner Street, Minnesota Avenue to Block "O," M. Patton Tract	81.00	81.00
Thirteenth Street, Washington to Stark Streets	216.00	216.00
Arnold Street, East Thirty-eighth Street to Marguerite Avenue	64.80	64.80
Oak Street, East, Dunn's Addition to East Portland	184.50	184.50
Fortieth Street, East, Francis Avenue to Powell Valley Road	11.20	
Seventy-sixth Street, East, Hawthorne Avenue to Base Line Road	1.00	1.00
Tenth Street, East, Giscome Tract to Oak Knoll Annex	98.80	98.80
Market Street Drive, Nineteenth to Twenty-first Streets	100.00	100.00
A new street connecting Albina and Mississippi Avenues	51.00	51.00
Forty-fifth Street, East, north to south lines Lot "B," Hawthorne Avenue Addition...	53.60	
Forty-sixth Street, East, north to south lines Lot "A," Hawthorne Avenue Addition....	55.50	
Wisconsin Street, South Portland to Fulton Park	160.20	
Portland Boulevard, Union Avenue to East Sixth Street	95.00	
Ainsworth Avenue, Patton Avenue to Park Addition	122.60	122.60
Twenty-fourth Street, East, Brush's Addition to Tibbetts Street	517.00	
Grand Avenue, Ainsworth to Dekum Avenues.	252.60	
Twentieth Street, East, Insley to Zanita Avenues	705.00	
Forty-fourth Street, north to south line Lot "C," Hawthorne Avenue Addition.....	54.90	
Malden Avenue, East Eleventh to East Thirteenth Streets	65.50	
Tillamook Street, Gantenbein Avenue to Goldsmith Street	8.75	
Everett Street, East, East Sixteenth to East Seventeenth Streets	1,520.00	
Portland Boulevard, Vancouver to Rodney Avenues	140.00	

Stark Street, Thirteenth to Burnside Streets..	3,738.00
	<u>\$ 11,764.57</u> <u>\$ 4,840.54</u>

STATEMENT OF STREET IMPROVEMENT, SEWER, STREET EXTENSION AND WATER MAIN FUNDS, DEC. 31, 1909.

Street Improvement Funds.

Warrants outstanding December 31, 1908...	\$ 432,209.74
Warrants drawn during 1909.....	2,113,257.60
	<u>\$2,545,467.34</u>
Warrants paid during 1909.....	\$1,870,358.69
Warrants canceled during 1909.....	111,011.04
Warrants outstanding December 31, 1909...	564,097.61
	<u>\$2,545,467.34</u>

Sewer Funds.

Warrants outstanding December 31, 1908...	\$ 24,527.20
Warrants drawn during 1909	318,851.93
	<u>\$ 343,379.13</u>
Warrants paid during 1909.....	\$ 179,775.20
Warrants canceled during 1909.....	775.00
Warrants outstanding December 31, 1909...	162,828.93
	<u>\$ 343,379.13</u>

Street Extension Funds.

Warrants outstanding December 31, 1908...	\$ 6,498.95
Warrants drawn during 1909.....	21,742.47
Error in drawing warrant No. 373.....	.40
	<u>\$ 28,241.82</u>
Warrants paid during 1909.....	\$ 22,969.79
Warrants canceled during 1909.....	431.49
Warrants outstanding December 31, 1909...	4,840.54
	<u>\$ 28,241.82</u>

Water Main Funds.

Warrants drawn during 1909.....	\$ 4,730.60
Warrants paid during 1909.....	2,500.00
Warrants outstanding December 31, 1909...	2,230.60
	<u>\$ 4,730.60</u>

INVENTORY OF PROPERTY, REAL AND PERSONAL, BE- LONGING TO THE CITY OF PORTLAND.

Park Blocks in City—

Block 7	\$ 75,000.00
Block 8	65,000.00
Block 9	70,000.00
Block 10	70,000.00
Block 11	50,000.00
Block 12	45,000.00
Block 13	40,000.00
Block 14	35,000.00
Block 15	35,000.00
Block 16	35,000.00
Block 17	30,000.00
Block 18	30,000.00
Block 19	30,000.00
Block 20 (fractional).....	12,500.00
	<u>\$ 622,500.00</u>

Park Blocks in Couch Addition—

Block A (fractional)	\$ 56,000.00
Block B, 100x200	88,000.00
Block C, 100x200	64,000.00
Block D, 100x200	60,000.00
Block E, 100x200	60,000.00
Block F, 100x200	66,000.00
	<u>\$ 394,000.00</u>

Public Squares—

Block 53, 200x200, between Salmon and Main, Third and Fourth sts.	\$ 300,000.00
Block 54, 200x200, between Main and Madison, Third and Fourth sts.	260,000.00
	<u>\$ 560,000.00</u>

Market Square—

Block 132, 200x200, between Clay and Market, Second and Third sts.	\$ 100,000.00
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City Park Proper—

40.78 acres lying between Washington and Jefferson sts..	\$ 350,000.00
Five-acre tract in Terwilliger D. L. C., adjoining Eliz. Caruthers' D. L. C.	30,000.00
	\$ 380,000.00

Forestry Building and Site—

Commencing at the southwest corner of block 20, in North Portland, said point being in the north line of Upshur st., 274.41 feet westerly, measured along the north line of Upshur st. from the west line of 27th st.; thence west along the north line of Upshur st. 205.59 feet to a point; thence southerly at right angles to last line 30 feet; thence westerly at right angles to last line and on a line 30 feet northerly from and parrallel with the south line of Upshur st. 155.76 feet to a point; thence northerly at right angles to the last line 290 feet to a point in a westerly extension of its present course of the north line of Vaughn st.; thence easterly along said western extension of the north line of Vaughn st. 155.76 feet; thence southerly at right angles to last line 60 feet to a point in the south line of Vaughn st.; thence easterly along said south line of Vaughn st. 213.9 feet, more or less, to the northwest corner of block 20, North Portland; thence southerly along the westerly boundary of said block 20, 200.17 feet, to the place of beginning, containing two acres; also all right, title and reversionary interest in and to the north one-half of the west 80 feet of Vaughn st., in the event that said west 80 feet of Vaughn st., or any portion thereof, should be vacated at some future time\$ 30,000.00

Ladd's Addition—

Central Park	\$ 5,000.00
North Park	1,000.00
South Park	1,000.00
West Park	1,000.00
East Park	1,000.00
	\$ 9,000.00

Holladay's Addition—

132 Park block	\$ 36,000.00
133 Park block	34,000.00
140 Park block	30,000.00
141 Park block	30,000.00
	\$ 130,000.00

Macleay Park—

107.78 acres, beginning at quarter-section corner, between sections 31 and 32, T. 1 S., north of R. 1 E.	\$ 60,000.00
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Governor's Park—

1.815 acres in section 4, 1 S., 1 E.; 1 acre in section 4, 1 S., 1 E.; 2 acres in section 4, 1 S., 1 E.	\$ 28,000.00
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Columbia Park—

15 acres in Section 8, T. 1 N., R. 1 E., W. M.	\$ 37,500.00
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Albina—

Park near John Mock's place, and being part of Section 8, T. 1 N., R. 1 E., containing 29.46 acres.	\$ 45,000.00
Park block 9, Albina Homestead (all of block)	18,000.00
	\$ 63,000.00

Sellwood—

Lots 12, 13, 14, 15, 16, 17 and 18, block 104.	\$ 900.00
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Fulton—

The following described parcel of real estate situate, lying and being in the County of Multnomah and State of Oregon, to-wit: All of blocks numbered five (5), six (6), fourteen (14), fifteen (15) and twenty (20), and lots numbered five (5), six (6), seven (7), eight (8), nine (9), ten (10), eleven (11), twelve (12), thirteen (13), fourteen (14), fifteen (15), sixteen (16), seventeen (17), eighteen (18), nineteen (19), twenty (20), twenty-one (21), twenty-two (22), twenty-three (23), twenty-four (24), and twenty-five (25), in block numbered eighteen (18), and lots numbered one (1), two (2), three (3), four (4), and five (5), in block num-

bered nineteen (19), all in Fulton Park, as shown by the plat thereof, duly recorded in Book 114, on page 4, of the Records of Deeds of Multnomah County. Also the following described tract of land situate in Fulton Park in the county and state aforesaid: Commencing at a point which is the southeast corner of lot numbered nine (9), in block numbered nineteen (19), in said Fulton Park, and running thence along the south line of block numbered nineteen (19), to the southwest corner of lot numbered one (1), in said block nineteen (19); thence westerly in a straight line to the southeast corner of block numbered twenty (20), in said Fulton Park; thence southwesterly along the south line of said block numbered twenty (20) to the southwest corner thereof; thence southerly in a straight line to the northwest corner of block numbered twenty-four (24), in said Fulton Park; thence east along the north line of said block twenty-four (24), and continuing to a point sixty (60) feet east of the northeast corner of the said block numbered twenty-four (24); thence south to a point in the north line of the road immediately north of the north line of block numbered twenty-six (26), in said Fulton Park; thence northerly and easterly following the north line of said road to a point immediately north of the northeast corner of lot numbered eighteen (18), in said block numbered twenty-six (26); thence north to the place of beginning. Also the following described tract of land situate in sections fifteen (15) and sixteen (16), in township one (1), south of range one (1), east of the Willamette Meridian, in the county and state aforesaid; commencing at a point in the north line of Hill street, as shown by said recorded plat of Fulton Park, which is directly north of the northeast corner of lot numbered seven (7), in block numbered sixteen (16), in said Fulton Park, as shown by said plat; running thence westerly along said north line of Hill street to the intersection of said Hill street with boulevard, as shown in said plat, to the east line of block numbered six (6), in said Fulton Park; thence north along said east line of said block numbered six (6), and in an extension in a straight line to the south line of block numbered five

(5), in said Fulton Park; thence easterly along the south line of said block numbered five (5), in Fulton Park, and along the south line of the Slavin county road to a point in the said south line of the Slavin road directly south of the southeast corner of lot numbered fourteen (14), in block numbered four (4), in Fulton Park, as shown by said plat thereof, recorded at page 4, Book 114, of the Records of Deeds of Multnomah County, Oregon, and thence south to the place of beginning. Value\$ 8,000.00

Crematory—

Crematory, north of St. Helens road, in the Poole tract, 4.98 acres and improvements.....\$ 30,000.00

City Barn—

West Side, block 1, lots 5, 8, 9, 10, 11, 12, Davenport tract\$ 32,000.00
East Side block 251, lots 1, 2, and 8, Holladay's Addition.. 18,500.00
\$ 50,500.00

Hospital for Contagious Diseases—

Two acres in Tract D, Section 5, 1 S., 1 E.....\$ 2,500.00

Unimproved Lots and Blocks—

Block 14, Proebstel's Addition to Albina, lots 12, 13, 14 and 15\$ 3,600.00

Park Department—

That part of the northeast quarter of the southwest quarter of Section 15, T. 1 N., R. 1 E., Willamette Meridian, which lies between the north line of West Piedmont and the center line of Portland boulevard, and between the center line of Albina avenue, extended, and a line 130 feet west of and parallel with the north and south center line of said Section 15, containing 20½ acres, more or less, subject to the right of the public over the streets known as Portland boulevard, Albina avenue, extended, and an unnamed 60-foot street, and the center line of which is the east line of said tract.....\$ 60,000.00

Lot or tract 12, Mount Tabor Park.....	3,200.00
Lot or tract "G," Mount Tabor Park.....	8,400.00
Commencing on the north line of the David D. Prettyman Donation Land Claim, in Section 5, T. 1 S., R. 2 E., of the Willamette Meridian, at a point 160 rods east of the northwest corner, running thence east 18 rods; thence south 80 rods; thence west 18 rods; thence north 80 rods to the place of beginning, containing 9 acres of land. Also all the following bounded and described real property: Beginning at a point on the north line of the David D. Prettyman Donation Land Claim, in Section 5, T. 1 S., R. 2 E., of the Willamette Meridian, 29 chains and 75 links east of the northwest corner of the said donation land claim; and running thence easterly along the north boundary line of said claim 10 chains and 25 links; thence south 5 chains; thence westerly and parallel with the north line of said donation land claim 9 chains and 75 links; thence north 5 deg. 45 min. west 5 chains and 3 links to the place of beginning, containing 5 acres.....	23,600.00
Lots 14 and 17, Belmont Park.....	8,210.00
Block 125, University Park.....	5,253.25
Lot "D," Mount Tabor Park.....	4,300.00
Lot or tract "T," Mount Tabor Park, and the west 90 feet of lot or tract "Q," Mount Tabor Park.....	3,750.00
Lot "H," Mount Tabor Park.....	5,500.00
Lots "F" and "G," Belmont Villa.....	5,550.00
All of lots or tracts "A," "C," "H-2," "I," "J," "K," "L," "S" and "U," and all of lot or tract "R," except the westerly part thereof, 10.85 feet wide at the north end	23,600.00
Lot 13, Belmont Park	6,890.00
Commencing at the northeast corner of the Dressel Addition in D. D. Prettyman's Donation Land Claim, in Section 5, T. 1 S., R. 2 E., of the Willamette Meridian; thence running west along the north line of said addition 322.65 feet to an intersection with the west line of the 19.56-acre tract formerly owned by Henrietta Frohman; thence north along the west line of said Frohman tract 660 feet to the northwest corner of said Frohman tract; thence east 320.5 feet along the north line of said Frohman tract; thence south with a slight deviation to the east 660 feet to the place of beginning	6,832.00
Lots 16, 18 and 19, Belmont Park.....	17,192.00

Beginning at the point of the intersection of the west line of East Seventh street with the north boundary line of the former town of Sellwood, said point being 1,717.32 feet north and 2,080 feet west of the quarter section corner between Sections 23 and 26, in T. 1 S., R. 1 E., of the Willamette Meridian; thence running north along the west side line of East Seventh street 1,172.68 feet; thence west 249.80 feet; thence south 44 deg. 58 min. west 135.38 feet; thence south 63 degrees 26 min. west 217.4 feet; thence south 177.08 feet; thence west 100 feet; thence south 802.68 feet to a point in the north boundary line of the former town of Sellwood; thence east along the boundary line of said former town of Sellwood 640 feet to the place of beginning, containing 15.63 acres of land.....	47,000.00
Lot or tract 11, Mount Tabor Park.....	3,700.00
All lot 4, Belmont Park, and all that part of block or lot "Z," Tabor Heights, which lies south of the center line of Broughton avenue, as shown by the duly recorded map of Belmont Villa, and that part of block "Z," in Tabor Heights, bounded as follows: Beginning at the northwest corner of said block "Z," from thence running easterly along the north boundary line thereof to a point midway between the east and west boundary lines of said block "Z"; thence southerly and parallel with the west boundary line of said block "Z," to the north boundary line of Broughton avenue; thence westerly along said north boundary line of Broughton avenue to the west boundary line of said block "Z"; thence northerly along west boundary line of said block "Z" to the place of beginning.....	19,237.50
A tract of land containing 9 acres in Kenilworth.....	15,300.00
Block "Y," Tabor Heights, which lies south of Broughton avenue	750.00
Beginning at a point in the east line of East Sixtieth street (West avenue), 960.2 feet north of the south boundary of the David D. Prettyman Donation Land Claim; thence east 1,000 feet on the south line of East Lincoln street produced; thence south on a line parallel to the east line of East Sixtieth street to intersection with the south boundary of property deeded by Levi White to Isam White, and recorded on page 423, Deed Book 193, Multnomah County Records; thence	

east on said south boundary to the southeast corner of said property; thence north to the northeast corner of said property; thence west on the north boundary of said property to a point 1,000 feet east of the east line of East Sixtieth street; thence south on a line parallel to the east line of East Sixtieth street to point 200 feet north of the south line of East Lincoln street produced; thence west 1,000 feet on a line parallel to the south line of East Lincoln street produced, to the east line of East Sixtieth street; thence south 200 feet to the place of beginning, containing 9.4 acres.....	22,500.00
Beginning at a point on the north boundary of that certain tract of land deeded by Isam White and Rose White to Levi White, and recorded in Book 192, page 64, Multnomah County Records, which point is 1,025 feet east of the west boundary of the David D. Prettyman Donation Land Claim; thence south 1 deg. 04 min. east 321.3 feet to the north boundary of a ten-acre tract of land heretofore deeded by Levi White and Zipporah White to the City of Portland, and recorded in Book 206, page 204, Multnomah County Records; thence north 89 deg. 47 min. east 295 feet; thence north 1 deg. 04 min. west 320.2 feet to a point in said north line of said tract of land described in said deed from Isam White and Rose White to Levi White; thence west 295 feet to the place of beginning, and containing 2.17 acres	5,000.00
Lot 5, Belmont Park	11,000.00
Lots "B" and "E" Mount Tabor Park.....	5,460.00
A tract of land containing 30.322 acres, being situated in Laurelhurst	92,482.10
South one-half of block "B," Patton's Tract, except north-west 100 feet by 100 feet.....	1,500.00

Police Department—

Block 30, lot 4, police court, city.....\$	55,000.00
Block 56, NE. 25 feet lot 3, NE. 25 feet lot 4, Albina....	2,000.00
Block 1, S. 50 feet lot 1, Albina.....	6,500.00
	<u>\$ 63,500.00</u>

Fire Department—

Block 30, N. $\frac{1}{2}$ lot 3, city, Hose and Chemical No. 1.....\$	25,000.00
Block 9, N. $\frac{1}{2}$ lot 4, city, Hose and Chemical No. 2.....	17,500.00

Block 50, lot 6, city, Engine and Truck No. 1.....	85,000.00
Block 143, lot 6, city, Engine No. 4 and Truck No. 2.....	9,000.00
Block 315, E. $\frac{1}{2}$ lot 8, city, Engine No. 3.....	25,000.00
50x95, NE. corner Third and Glisan streets, Couch Add..	45,000.00
Block 128, lot 3, Caruthers' Add., Engine No. 5.....	4,000.00
Block 291, lot 2, Couch Add., Hose No. 1.....	6,500.00
Block 99, E. $\frac{1}{2}$ lots 2 and 3, Couch Add., Truck No. 3....	15,000.00
Block 76, S. $\frac{1}{2}$ lot 7, Stephens' Add., Hose No. 3.....	3,500.00
Block 47, N. $\frac{1}{2}$ lot 6, Holladay Add., supply house.....	2,500.00
Block 29, lot 14, Albina Homestead.....	1,000.00
Block 10, lot 11, Proebstel's Add.....	1,000.00
Block 14, lot 13, Multnomah, Chemical Engine No. 4.....	2,500.00
House only for No. 8 engine company, on Russell St., Albina	3,000.00
Block 57, lots 12 and 13, Sellwood, Hose No. 4.....	7,500.00
50x100, Macadam road, Engine No. 10.....	5,000.00
Block 5, lot 4, Wynkoop Villa, Engine No. 12.....	5,900.00
Block 71, lot 5, Holladay Add., Engine No. 13.....	13,500.00
Block 104, lot 5, Grover's Add., Engine No. 15.....	12,000.00
Block 20, lot 6, Sunnyside Add., Engine No. 9.....	5,200.00
Block 5, lot 6, Maegly Highland, Engine No. 14.....	6,500.00
100x100 NW. cor. East Twelfth and Powell Sts., Engine No. 11	6,000.00
Fireboat	68,000.00
Fireboat house and dock	28,000.00
Block 3, N. $\frac{1}{2}$ lots 13, 14, 15 and 16, Frush's Square, Engine No. 7	15,000.00
Block 3, lot 16, King's Second Add.....	5,000.00
Block 26, lot 20, Albina, Engine No. 8 and Truck No. 5....	5,000.00
Block 1, lots 14 and 15, East Irvington.....	2,500.00
Block 1, lots 7 and 10, subdivision "Z," city, Engine No. 16	6,750.00
Block 2, lot 1, Ramona	2,500.00
Block 10, lots 1 and 2, Kenilworth.....	1,500.00
Northwest 100x100 feet of S. $\frac{1}{2}$ block "B," Patton's Tract..	1,500.00
House only, Twenty-first and Nicolai Sts., Engine No. 6..	2,000.00
	<u>\$ 444,850.00</u>
City Hall block	\$ 700,000.00
City Water Works and lands belonging thereto.....	8,279,351.10
(For list of property belonging to Water Works, see report of Water Board.)	
Personal propert Fire Department	332,850.00
Personal property Police Department	6,500.00

Personal property Street Cleaning and Sprinkling Department	75,535.00
Personal property Pound Department	1,000.00
Personal property City Hall, including museum, furniture, fixtures, etc., not included in the above.....	60,000.00
Personal property City Engineer's Department.....	11,500.00
One-half interest in election booths.....	1,723.63

Bridges and Ferries—

Morrison street bridge	\$ 321,100.00
Burnside street bridge	213,400.00
Albina ferry boat	12,575.00
Albina ferry boat (new)	19,250.00
Sellwood ferry boat	11,500.00
	\$ 577,825.00

New Albina Ferry Approaches—

North 25 feet of lot 21, river block 2; S. 5 feet of lot 22, river block 2	\$ 20,000.00
North 35 feet of south 75 feet lot 21, river block 2.....	13,000.00
65 feet from southeast side of river, lot 9, Albina.....	16,000.00
	\$ 49,000.00

Street improvement warrants surrendered to the city for general fund warrants by authority of Council (of uncertain value); face value	\$ 13,427.75
Street improvement and sewer warrants drawn in favor of city to cover expenses of engineering and advertising	79,150.99

SUMMARY.

Park blocks in city	\$ 622,500.00
Park blocks in Couch Addition.....	394,000.00
Public squares	560,000.00
Market square	100,000.00
City Park proper	350,000.00
Five acres, Terwilliger Tract.....	30,000.00
Forestry building and site	30,000.00
Ladd's Addition	9,000.00
Holladay's Addition	130,000.00
Macleay Park	60,000.00
Governor's Park	28,000.00

Columbia Park	37,500.00
Albina Park	63,000.00
Sellwood Park	900.00
Fulton Park	8,000.00
Park and boulevard system	406,206.85
Crematory	30,000.00
City barn	50,500.00
Hospital for contagious diseases	2,500.00
Unimproved lots and blocks	3,600.00
Police Department	63,500.00
Fire Department	444,850.00
City Hall block	700,000.00
City Water Works and lands belonging thereto.....	8,279,351.10
Personal property Fire Department	332,850.00
Personal property Police Department	6,500.00
Personal property Street Cleaning and Sprinkling Department	75,535.00
Personal property Pound Department	1,000.00
Personal property City Hall, museum, furniture, etc....	60,000.00
Personal property City Engineer's Department.....	11,500.00
One-half interest in election booths.....	1,723.63
Bridges and ferries	577,825.00
New Albina ferry approaches	49,000.00
Street improvement warrants, face value.....	13,427.75
Street improvement and sewer warrants.....	79,150.99
Cash balances, exclusive of street improvement, sewer, street extension and water main funds, improvement fund and improvement bond sinking fund, improvement bond interest, street and sewer interest funds, police and fire department relief fund, redemption fund, bill posting badge fund, Mt. Hood Electric Company's deposit fund, and Portland Railway, Light & Power Company's deposit fund.....	1,784,815.90
Water bond sinking fund investments: Street improvement bonds purchased	228,351.53
Improvement bond sinking fund investments.....	51,388.46
Police and fire departments relief fund investments.....	7,500.00
Total resources	\$15,683,976.21

LIABILITIES.

Bonded debt	\$6,926,500.00
Interest coupons due January 1, 1910.....	124,875.00

Interest coupons outstanding December 31, 1909.....	1,505.00
Amount of claims payable account of 1909.....	33,716.09
Warrants outstanding account of 1909.....	125,457.92
	\$7,212,054.01
Balance	\$8,471,922.20

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

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 to its junction with Water street. Purchased May 14, 1884, for the extension of 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 the 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 in a line parallel with and 50 feet southerly from the north line of 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.

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

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

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

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

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

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

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

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

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

North 21 feet of south half of lot 1, block A, Caruthers' Addition; purchased 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 the part of lots 1 and 4 which lie in the southeast quarter of block 6, in Sherlock's Addition; purchased January 16, 1890, for the extension of Wilson street.

A tract of land which lies between the west line of North Eighteenth street and 20 feet west of the west line of North Nineteenth street if extended, and between the north line of the proposed

extension of Wilson street and the division line between the north and south halves of Blackistone's donation land claim, and between a line 100 feet northerly from and parallel with the north line of the proposed extension of Wilson street and the southeasterly side line of Sherlock's Addition; purchased January 16, 1890, for the extension of Wilson street.

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

A tract of land which lies between the west line of North Sixteenth street and North Front street and the east line of North Eighteenth street, and between the north line of the proposed extension of Wilson street, and a line 100 feet northerly from and parallel with the north line of the proposed extension of Wilson street, excepting the right of way of the Northern Pacific Company and the Northern 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' Addition; purchased June 18, 1884, for the improvement of Front and South Front streets.

The east $\frac{1}{2}$ of lot 4, south $\frac{1}{2}$ of block 1, city; purchased June 25, 1885, for the 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.

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

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

Lot 2, block 79, Holladay'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 1, 2, block 1, McMillen's Addition; purchased July 17, 1880, for taxes.

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

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

A tract of land described as follows: Beginning at a point on the west line of South Second street, 220 feet south of the south line of Sheridan street; run thence westerly 100 feet; thence southerly 20 feet; thence easterly 100 feet; thence northerly 20 feet to the place of beginning; purchased April 30, 1895, 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 38, Carter's Addition to the City of Portland; purchased December 18, 1887, 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 east $\frac{1}{2}$ of block 3, block C, subdivision 25, of Carter's Addition; purchased February 5, 1885, for the improvement of Montgomery street.

Tracts 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 the extension of North Twenty-first street.

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

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

Lot 7, block 10, Blackistone's Addition; purchased for the 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 the improvement of South First street.

FRANCHISE ACCOUNTS.

Portland Railway, Light and Power Company—

Amount due under provisions of Ordinances No. 13089, 13177
and 19176 for 1909\$6,500.00
Amount paid to City Treasurer during 1909..... 6,500.00

Pacific Telephone & Telegraph Company—

Amount due under provisions of Ordinance No. 12590 for
1909\$1,000.00
Amount paid to City Treasurer during 1909..... 1,000.00

People's Market Association—

(In litigation.)

City Messenger & Delivery Company—

Amount due under provisions of Ordinance No. 13897 for
1909\$ 200.00
Amount paid to City Treasurer during 1909..... 200.00

Oregon Electric Railway Company—

Amount due under provisions of Ordinance No. 15428 for
1908\$ 440.00
Amount due under provisions of Ordinance No. 15428 for
1909 440.00
\$ 880.00
Amount paid to City Treasurer during 1909.....\$ 880.00

United Railways Company—

Amount due under provisions of Ordinance No. 15427 for
1908 and 1909.....\$2,400.00
Amount due under provisions of Ordinance No. 14564 for
1907 500.00
Amount due under the provisions of Ordinance No. 17853 for
1908 and 1909 1,000.00
\$3,900.00

Amount paid to City Treasurer during 1909.....\$1,700.00
Amount due on account of 1907 and 1909..... 2,200.00
\$3,900.00

Home Telephone & Telegraph Company—

Amount due under provisions of Ordinance No. 14699 for
1908\$1,727.53
Amount paid on account of 1908..... 1,727.53

The amount due under the terms of the franchise being a percentage of the receipts, and no statement for 1909 having been furnished up to this date, it is impossible to designate the amount due.

FRANCHISES.

Ordinance No. 107—former City of Albina—entitled: "An Ordinance authorizing the erecting, laying, stretching and maintaining of poles and wires for use in conducting electricity in the City of Albina by the Albina Light & Water Company and its assigns." Approved March 5, 1890. Expires, no time. Owned by Portland Railway Light & Power Company.

Ordinance No. 183—former City of East Portland—entitled: "An Ordinance granting to the Oregon & California Railroad Company the right of way on First street." Passed June 17, 1876. Expires, no time. Owned by Oregon & California Railroad Company, leased by the Southern Pacific Railway.

Ordinance No. 310—former City of East Portland—entitled: "An Ordinance authorizing the Oregon Railway & Navigation Company to lay a railroad track and run cars over the same within the City of East Portland." Passed September 13, 1881. Expires, no time. Owned by the Oregon Railroad & Navigation Company.

Ordinance No. 595—former City of East Portland—entitled: "An Ordinance granting H. A. Hogue, C. P. Hogue and D. H. Jones, their successors and assigns, the right and privilege of erecting, constructing, maintaining and operating an electric light and power plant in the City of East Portland." Approved June 29, 1887. Expires, no time. Owned by Portland Railway Light & Power Company.

Ordinance No. 599, entitled: "An Ordinance authorizing the Oregon Central Railroad Company, of Portland, to lay a railroad track and run cars over the same, within the City of Portland." Approved January 6, 1869. Owned by the Oregon & California Company, leased by Southern Pacific Company.

Ordinance No. 631—former City of East Portland—entitled: "An Ordinance authorizing the Oregon Railway & Navigation Company to lay down railway tracks and run cars over the same, over, along and across certain streets in the City of East Portland, to connect with the bridge of the said company to be constructed across the Willamette River between the Cities of East Portland and Portland." Approved December 5, 1887. Expires, no time. Owned by the Oregon Railroad & Navigation Company.

Ordinance No. 681—former City of East Portland—entitled: "An Ordinance authorizing George W. Brown, his successors or assigns, to construct, maintain and operate street railways in the City of East Portland, County of Multnomah, State of Oregon." Approved November 22, 1888. Expires, fifty years. Owned by the Portland Railway, Light & Power Company.

Ordinance No. 888—former City of East Portland—entitled: "An Ordinance authorizing George W. Brown, his successors and assigns, to construct and maintain and operate a street railway on certain streets in the City of East Portland." Owned by the Portland Railway, Light & Power Company. Approved October 22, 1890. Expires, fifty years.

Ordinance No. 967—former City of East Portland—entitled: "An Ordinance confirming to the East Side Railway Company all the rights, privileges and franchises granted by Ordinance No. 888, entitled: 'An Ordinance authorizing George W. Brown, his successors or assigns, to construct, maintain and operate a street railway on certain streets in the City of East Portland, Oregon.'" Approved May 22, 1891. Owned by the Portland Railway, Light & Power Company.

Ordinance No. 984—former City of East Portland—entitled: "An Ordinance authorizing George W. Brown, his successors or assigns, to construct, maintain and operate an electric light and power plant in the City of East Portland, Multnomah County, Oregon." Approved June 25, 1891. Expires, no time. Owned by Portland General Electric Company.

Ordinance No. 2969, entitled: "An Ordinance authorizing the Oregonian Railway Company (limited) to lay a railway track and run cars over the same within the City of Portland." Approved January 7, 1881. Expires, no time. Owned by the Oregon & California Railway Company, and leased by the Southern Pacific Company.

Ordinance No. 3513, entitled: "An Ordinance granting the right of way through the streets of the City of Portland for laying pipes for the purpose of conveying water through and throughout the city." Approved July 21, 1882. Owned by Portland Railway, Light & Power Company.

Ordinance No. 3538, entitled: "An Ordinance authorizing the erection and maintaining of electric light wires and the necessary supports therefor on and over the streets of the City of Portland." Approved September 8, 1882. Expires, no time. Owned by Portland Railway, Light & Power Company.

Ordinance No. 3656, entitled: "An Ordinance authorizing the Northern Pacific Terminal Company of Oregon, its successors and assigns, to construct and maintain a double railway track on North Front street, in the City of Portland, from the northern limits of said city to the south line of 'P' street, and a single track from thence to a point opposite the southwest corner of block 'G, and eighty feet distant therefrom with a side track from a point opposite block 220 to block H, both in Couch's Addition to said City of Portland; also sufficient and suitable side tracks from, at, or near the foot of 'P' street, curving across and along East and West Park streets and M, N, O and P streets, and to confirm to the Oregon & California Railway Company the right to maintain and operate its main and side tracks in North Front street, in said city." Approved December 8, 1882. Expires, no time. Owned by the Northern Pacific Terminal Company of Oregon.

Ordinance No. 4932, entitled: "An Ordinance authorizing and directing a contract with P. F. Morey and his assigns, and authorizing and allowing the erection and maintaining of poles and wires used in connection with or as a part of electric light works, in, upon and over the streets, alleys and public parks and public grounds of the City of Portland." Approved October 7, 1886. Expires, no time. Owned by Portland Railway, Light & Power Company.

Ordinance No. 4942, entitled: "An Ordinance granting to the Northwestern American District Telegraph Company, of Oregon, the

right and privilege of erecting, constructing, maintaining and operating its telegraph system in the City of Portland." Approved October 21, 1886. Expires, no time. Owned by American District Telegraph Company.

Ordinance No. 4995, entitled: "An Ordinance granting to the Pacific Postal Telegraph Cable Company the right and privilege of erecting, constructing, laying, maintaining and operating its telegraph lines in the City of Portland." Approved January 6, 1887. Expires, no time. Owned by Postal Telegraph Cable Company.

Ordinance No. 5100, entitled: "An Ordinance granting to the Portland & Willamette Valley Railway Company, its successors and assigns, a right of way over certain lands belonging to the City of Portland." Approved June 17, 1887. Expires, no time. Owned by Oregon & California Railroad Company, leased by Southern Pacific Company.

Ordinance No. 5163, entitled: "An Ordinance authorizing the Oregon Railway & Navigation Company, its successors and assigns, to cross with bridge approach and tracks North Front street and North Third street, and to occupy portions of said streets." Approved August 19, 1887. Expires, no time. Owned by the Oregon Railroad & Navigation Company.

Ordinance No. 5568, entitled: "An Ordinance authorizing the Northern Pacific Terminal Company of Oregon to construct and maintain certain railroad tracks in and across certain streets in the City of Portland." Approved September 11, 1888. Expires, no time. Owned by the Northern Pacific Terminal Company.

Ordinance No. 7134, entitled: "An Ordinance to authorize and empower the Committee on Free Bridges to enter into a contract with the Columbia Street Bridge Company to purchase the bridge commonly known as the 'Madison Street Bridge,' and to grant to the Mount Tabor Street Railroad Company, and its assigns, the right of way across the same." Approved November 11, 1891. Expires, 30 years. Owned by the Portland Railway, Light & Power Company.

Ordinance No. 7443, entitled: "An Ordinance granting to the Highland Park Water Company the right of way through and across certain streets and avenues of that portion of the City of Portland known as Highland Park, Irvington Park, Woodlawn Heights, Cloverdale, Cloverdale Extension No. 1, Cloverdale Extension No. 2, and Columbia Heights, for laying pipes for the

purpose of conveying water through and throughout said portion of said city." Approved March 3, 1892. Expires, 20 years. Owner unknown.

Ordinance No. 7578, entitled: "An Ordinance granting to the Investment Company the right of way through and across certain streets in the City of Portland, Oregon, for the purpose of laying pipes for conveying water." Approved April 25, 1892. Expires, 20 years. Owned by City of Portland.

Ordinance No. 8101, entitled: "An Ordinance granting to the East Portland Gas Light Company the right to lay pipes and mains underground through the streets and alleys of that portion of the City of Portland lying on the east bank of the Willamette River, for the purpose of carrying gas into, through and throughout said portion of the City of Portland, and to supply the inhabitants thereof with gas." Approved January 5, 1893. Expires, no time. Owned by the Portland Gas & Coke Company.

Ordinance No. 8208, entitled: "An Ordinance granting to the Investment Company the right of way through and across certain streets in the City of Portland, Oregon, for the purpose of laying pipe for carrying water." Approved March 16, 1893. Expires, 20 years. Owned by City of Portland.

Ordinance No. 8275, entitled: "An Ordinance authorizing the East Side Railway Company, its successors or assigns, to construct, maintain and operate a street railway on East Eleventh street, in the City of Portland, Oregon." Approved May 4, 1893. Expires, 30 years. Owned by the Portland Railway, Light & Power Company.

Ordinance No. 8419, entitled: "An Ordinance granting to the Western Union Telegraph Company the right to place and maintain its poles and lines in the streets, alleys and public ways of the City of Portland, State of Oregon, on the terms and conditions herein stated." Approved July 21, 1893. Expires, no time. Owned by Western Union Telegraph Company.

Ordinance No. 8445, entitled: "An Ordinance authorizing the East Side Railway Company, its successors or assigns, to construct, maintain and operate a street railway on Madison street, in the City of Portland, County of Multnomah, State of Oregon." Approved August 4, 1893. Expires, 30 years. Owned by the Portland Railway, Light & Power Company.

Ordinance No. 9190, entitled: "An Ordinance granting to the East Side Railway Company, its successors and assigns, certain rights

on East Water street, etc." Approved March 22, 1895. Owned by the Portland Railway, Light & Power Company.

Ordinance No. 9291, entitled: "An Ordinance to vacate a portion of Third street between the north line of Glisan street and the north line of Hoyt street, and to authorize the Oregon Railway & Navigation Company, its successors and assigns, to construct upon the part of said Third street so vacated an elevated roadway from Third street, connecting with the upper deck of the steel bridge of said railway crossing the Willamette River." Approved June 6, 1895. Expires, no time. Franchise granted by Section 2. Owned by the Oregon Railway & Navigation Company.

Ordinance No. 9363, entitled: "An Ordinance authorizing Charles E. Smith, G. Glass and Adolph A. Dekum, or assigns, to construct, maintain and operate a system of street railways in the City of Portland." Approved July 18, 1895. Expires, 30 years. Owner, Portland Railway Company.

Ordinance No. 9641, entitled: "An Ordinance granting to L. Zimmerman the right to construct, establish and carry on or operate upon his property in the City of Portland, a packing and meat business." Approved February 12, 1896. (Repealed by Ordinance No. 10560.) Approved December 2, 1897. Owned by L. Zimmerman.

Ordinance No. 11086, entitled: "An Ordinance authorizing the placing of a permanent railway track in Upshur street between the westerly line of Fifteenth street to a point 100 feet westerly from the west line of Eighteenth street, in Watson's Addition to the City of Portland, Multnomah County, Oregon." Approved January 9, 1899. Expires, 33 years. Owned by the Northern Pacific Terminal Company.

Ordinance No. 11111, entitled: "An Ordinance authorizing the Oregon Railroad & Navigation Company, its successors and assigns, to lay a railroad track upon certain streets in the City of Portland, and to run cars and locomotives over the same." Approved January 21, 1899. Expires, no time. Owned by the Oregon Railroad & Navigation Company.

Ordinance No. 11270, entitled: "An Ordinance authorizing the Eastern Lumber Company to construct and maintain a side track of standard gauge across Front street and to connect with the track of the Northern Pacific Railroad Company on Sherlock

avenue, between Colton and Hull streets." Approved June 28, 1899. Expires, 30 years. Owned by the Northern Pacific Terminal Company.

Ordinance No. 11279, entitled: "An Ordinance to authorize the Oregon & California Railroad Company to construct an embankment in lieu of the existing trestle on East Stark street, East Portland, now City of Portland, and to construct thereunder a tubular culvert for drainage purposes." Approved June 6, 1899. Expires, no time. Owned by Oregon & California Railroad Company. Leased by the Southern Pacific Company.

Ordinance No. 12590, entitled: "An Ordinance granting to the Pacific States Telephone and Telegraph Company, its successors and assigns, the right and privilege to continue to maintain and operate its present telephone and telegraph system, to erect and maintain such additional poles and wires as may be necessary for its telephone and telegraph business and to maintain and operate an underground telephone and telegraph system, for the period of twenty-five years, in, under and upon the streets, alleys, and public highways of the City of Portland, and to repeal all existing franchises and ordinances under which the said Pacific States Telephone & Telegraph Company is now operating or could operate in any part of the City of Portland." Approved February 21, 1902. Expires, 25 years. Owned by Pacific States Telephone & Telegraph Company.

Ordinance No. 13054, entitled: "An Ordinance authorizing the Northern Pacific Terminal Company of Oregon to place a side track on Front street." Approved November 11, 1902. Expires, no time. Owned by the Northern Pacific Terminal Company.

Ordinance No. 13053, entitled: "An Ordinance granting to the Oregon Water Power & Railway Company, its successors and assigns, the right and privilege to construct and to maintain and operate railways in the City of Portland." Approved November 10, 1902. Expires, 25 years. Owned by the Portland Railway, Light & Power Company.

Ordinance No. 13089, entitled: "An Ordinance granting to Portland Railway Company, its successors and assigns, the right to construct, acquire and own and to maintain, operate and use railways and poles and wires and underground conduits, cables and conductors in the City of Portland, Oregon." Approved November 25, 1902. Expires 31st day of December, 1927. Owned by Portland Railway, Light & Power Company.

Ordinance No. 13113, entitled: "An Ordinance granting to the Oregon Water Power & Railway Company, and its successors and assigns, the right and privilege to construct and to maintain and operate railways in the City of Portland." Approved December 18, 1902. Expires, 25 years. Owned by the Portland Railway, Light & Power Company.

Ordinance No. 13177, entitled: "An Ordinance granting to the City & Suburban Railway Company, its successors and assigns, the right to construct, acquire and own and to maintain and use railways and poles, and wires and underground conduits, cables and conductors in the City of Portland, Oregon." Approved January 13, 1903. Expires 31st day of December, 1932. Owned by the Portland Railway, Light & Power Company.

Ordinance No. 13482, entitled: "An Ordinance granting to Union Market Company, its successors and assigns, the right and privilege to have the use of block 132, in the City of Portland, for a period of 25 years, on which to erect buildings, and to be used exclusively as a market place." Approved August 7, 1903. Expires, 25 years. Owned by People's Market Association. (In litigation.)

Ordinance No. 13791, entitled: "An Ordinance granting to the Oregon Water Power & Railway Company, a corporation, its successors and assigns, the right to substitute for the street car fenders described in the act of the Legislative Assembly of the State of Oregon, entitled 'An Act to require all individuals, firms, associations, companies and corporations, owning, managing or operating any street railway, to provide suitable aprons, fenders or guards on street cars, and providing a penalty for violation thereof.' Approved February 17, 1903, the street car fender hereinafter referred to, and granting said corporation the right to use said substituted street car fender on all cars operated by it in the City of Portland." Approved February 6, 1904.

Ordinance No. 13897, entitled: "An Ordinance granting to the City Messenger & Delivery Company, a corporation, its successors and assigns, the right, franchise and privilege to erect poles and string wires thereon; to construct underground conduits and to lay wires in underground conduits, and to stretch wires along, over, upon and across the streets, avenues and public places of the City of Portland, Oregon, for the transmission of electric current to be used solely and exclusively in connection with a Messenger system and service and a call-box system; and to

establish, maintain and operate a messenger system and service and a system of call-boxes and fixing the compensation to be paid therefor." Approved April 8, 1904. Owned by City Messenger & Delivery Company.

Ordinance No. 14083, entitled: "An Ordinance authorizing the Oregon Water Power & Railway Company, a corporation, to construct and maintain a sentry box at the intersection of Hawthorne avenue and East First street, City of Portland, Multnomah County, Oregon, and to authorize and require the removal of the sentry box from the place where the same is now located at the intersection of Hawthorne avenue and East First street." Approved July 8, 1904. Owned by the Portland Railway, Light & Power Company.

Ordinance No. 14699, entitled: "An Ordinance granting to Chas. E. Summer, his successors and assigns, the right, privilege and franchise to erect poles and string wires and cables thereon; to construct underground conduits and manholes and to lay wires and cables in underground conduits and through manholes, and to stretch wires and cables along, over, upon and across streets, alleys and avenues and public places of the City of Portland, for the transmission of sounds, signals, conversation and intelligence through and over said wires and cables by means of electricity, and to construct, establish, equip and install a telephone and telegraph system and to conduct a general telephone and telegraph business within the City of Portland, and fixing the compensation to be paid therefor." Owned by the Home Telephone and Telegraph Company.

Ordinance No. 15364, entitled: "An Ordinance granting to the Mount Hood Electric Company, its successors and assigns, for a period of twenty-five years, the right and privilege to erect, construct, maintain and operate an electric light, heat and power system in the City of Portland, and the right and privilege to erect poles, and stretch wires thereon, and thereover, through, over and upon the streets, alleys and public highways, and to construct underground conduits or pipes with all necessary manholes and other appliances in and under the said streets, alleys and public highways in the City of Portland, for conducting and conveying electricity for light, heat and power, to charge rents and tolls therefor, and to collect the same and authorizing the said Mount Hood Electric Company to trim shade and ornamental trees in the said streets, alleys and public highways, and granting right of way for conduit, canal or flume over and across the northwest quarter

of the southwest quarter of section 5, township 2 south, range 5, east of W. M., and to provide for the punishment of those injuring or interfering with its property." Owned by the Mount Hood Railway & Power Company.

Ordinance No. 15427, entitled: "An Ordinance granting to the United Railways Company, its successors and assigns, the right to construct, lay down, maintain and operate railways, poles and wires and underground conduits in the City of Portland, Oregon." Owned by the United Railways Company.

Ordinance No. 15428, entitled: "An Ordinance granting to the Willamette Valley Traction Company, its successors and assigns, the right to construct, lay down, maintain and operate railways, poles and wires and underground conduits in the City of Portland, and to operate cars over certain streets in said City of Portland, in accordance with the provisions of an ordinance entitled, 'An Ordinance granting to the United Railways Company, its successors and assigns, the right to construct, lay down, maintain and operate railways, poles and wires and underground conduits in the City of Portland, Oregon.'" Owned by the Oregon Electric Railway Company.

Ordinance No. 16730, entitled: "An Ordinance granting to the Economy Gas Company, its successors and assigns, the right to construct, acquire, own, maintain, conduct and operate a plant or plants for the manufacture and distribution of gas in the City of Portland, Oregon, to sell gas for domestic and other purposes, and to lay pipes and mains for the purpose of conducting and distributing said gas through, in and over said city." Owned by the Economy Gas Company.

Ordinance No. 17853, entitled: "An Ordinance granting to the United Railways Company, its successors and assigns, the right to construct, lay down, maintain and operate railways and poles and wires and underground conduits in the City of Portland, Oregon, and repealing Ordinance No. 14564." Owned by the United Railways Company.

Ordinance No. 19176, entitled: "An Ordinance granting to Portland Railway, Light & Power Company, its successors and assigns, the right to construct, acquire and own, and to maintain, operate and use railways and street railways and poles and wires and underground conduits, cables and conductors in the City of Portland, Oregon." Owned by the Portland Railway, Light & Power Company.

Ordinance No. 20479, entitled: "An Ordinance granting to the Oregon Railroad & Navigation Company, a corporation, its successors and assigns, the franchise and right to construct and equip, own, maintain and operate a railway track and sidetracks, all of standard gauge, extending from a connection with the constructed railroad of said company at the intersection of East Ankeny street and East Second street, and thence in a southeasterly direction crossing East Ash street to East Third street, and extending thence southerly along East Third street from a point between East Ash street and East Pine street to Hawthorne avenue, and to operate locomotives and cars over the same, in the City of Portland." Owned by the Oregon Railroad & Navigation Company.

Respectfully submitted,

A. L. BARBUR,
Auditor of the City of Portland.

ANNUAL REPORT OF

J. E. WERLEIN, City Treasurer

FOR THE YEAR ENDING DECEMBER 31, 1909.

Balance in treasury December 31, 1908.....	\$1,276,266.20	
Balance in New York December 31, 1908....	14,350.00	
Balance in Ladd and Tilton, imp. fund, December 31, 1908.....	98,705.05	
Received from all sources.....	5,902,356.29	
Disbursed		\$5,115,245.48
Balance in treasury.....		1,964,332.01
Balance in New York.....		13,395.00
Balance in Ladd & Tilton imp. fund.....		98,705.05
Balance bonded warrants bearing 6% interest		100,000.00
	<u>\$7,291,677.54</u>	<u>\$7,291,677.54</u>

General Fund.

Balance as per report December 31, 1908....	\$ 208,858.80
Received general licenses.....	409,704.15
Received dog licenses	10,598.00
Received J. Van Zante, Municipal Judge....	11,931.00
Received F. S. Bennett, Municipal Judge..	13,891.50
Received F. W. Reed, pound fees	102.25
Received B. R. Welch, pound fees.....	1,653.15
Received building permits	7,244.00
Received full Code City Ordinances.....	6.00
Received transfer liquor licenses.....	3,050.00
Received interest on daily balances.....	24,536.07
Received rents, Multnomah County.....	459.00
Received rents, School District No. 1.....	360.00
Received rents, National Association Stationary Engineers	110.00
Received postage returned	.25
Received one-half election expenses.....	1,723.63
Received miscellaneous costs	713.25
Received certified copies	94.00
Received plumbers' examinations	120.00
Received signs and banners.....	36.65
Received use of road roller	12.00
Received election adds	300.00

Received refund general fund warrant.....	.50
Received fines Circuit Court, F. S. Fields.	409.50
Received costs engineering	94,732.89
Received automobile owners and renewals.	1,051.00
Received automobile chauffeurs' examinations	786.00
Received refund sewer, Colonial Investment Company	40.00
Received refund sewer, Wauna Land Co...	60.00
Received death certificates, Dr. E. Pohl....	25.00
Received death certificates, Dr. Wheeler....	9.50
Received removing dead animals, C. Gritzmacher	285.00
Received removing dead animals, A. M. Cox	387.00
Received interest on warrants.....	111.11
Received automobile tags	.25
Received premium on bonds.....	31,466.79
Received refund deposit on key.....	1.00
Received abating a nuisance.....	24.18
Received sale of horse and sundries.....	1,024.50
Received United Ry. survey of streets.....	16.23
Received F. S. Grant, witness fees returned.	4.20
Received A. Donaldson, sacks sold.....	85.50
Received refund safety deposit vault.....	19.00
Received kennel licenses	25.00
Received redemption property, H. J. Corbett estate	9.65
Received Umatilla avenue warrants.....	280.00
Received Hood street warrants.....	345.50
Received repairing street broom.....	257.50
Received franchise Pacific Telephone & Telegraph Company	1,000.00
Received franchise Oregon Electric Co....	880.00
Received franchise United Railway Co....	1,700.00
Received franchise City Messenger Co....	200.00
Received franchise 1 per cent gross receipts Home Telephone Company	1,727.53
Received franchise Portland Railway, Light & Power Co.	6,500.00
Received delinquent taxes sundry years....	190.24
Transferred from redemption fund.....	1.00
Transferred from Hawthorne avenue bridge fund	231.94

Transferred from park and boulevard fund	45.27	
Transferred from street improvement fund	2,499.17	
Transferred from street extension fund....	120.00	
Transferred from sewer fund.....	211.22	
Transferred from Fire Department fund...	15,000.00	
Transferred from Police Department fund.	25,000.00	
Transferred to Fire Department fund.....\$	15,000.00	
Transferred to Police Department fund....	25,000.00	
Transferred to street improvement fund...	7,419.15	
Transferred to sewer fund.....	55.00	
Transferred to street and sewer Int. fund..	8,000.00	
Transferred to street extension fund.....	96.00	
Transferred to Imp. bond Int. fund.....	22,000.00	
Warrants paid and returned.....	530,613.22	
Balance	274,083.50	

\$ 882,266.87 \$ 882,266.87

Fire Department Fund.

Balance as per report December 31, 1908...	\$ 56,651.18	
Transferred from general fund.....	15,000.00	
Received taxes, J. M. Lewis, Co. Treas...	465,394.70	
Refund on warrant	.75	
Transferred to general fund.....\$	15,000.00	
Warrants paid and returned	352,714.96	
Balance	169,331.67	

\$ 537,046.63 \$ 537,046.63

Police Department Fund.

Balance as per report December 31, 1908...	\$ 18,083.15	
Transferred from general fund.....	25,000.00	
Received taxes, J. M. Lewis, Co. Treas...	283,125.47	
Received sale of horses.....	153.00	
Refund C. Gritzmacher, Chief of Police...	8.40	
Refund guarding Mrs. Collins.....	113.80	
Transferred to general fund.....\$	25,000.00	
Warrants paid and returned	235,414.15	
Balance	66,071.67	

\$ 326,485.82 \$ 326,485.82

Street Repair Fund.

Balance as per report December 31, 1908...	\$ 14,421.08	
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Received taxes, J. M. Lewis, Co. Treas.....	117,755.67	
Refund Albina blacksmith shop.....	.50	
Received vehicle licenses.....	28,471.40	
Received repair sidewalk.....	3,983.81	
Bonds sold	1,537.11	
Warrants paid and returned.....\$	107,423.84	
Balance	58,745.73	

\$ 166,169.57 \$ 166,169.57

Bonded Indebtedness Interest Fund.

Balance as per report December 31, 1908..	\$ 29,816.98	
Received taxes, J. M. Lewis, Co. Treas.....	165,381.15	
Received rent Morrison street bridge.....	20,155.95	
Received interest on water bonds.....	2,555.56	
Received interest Hawthorne avenue bridge bonds	4,599.99	
Transferred from water fund.....	15,000.00	
Transferred to Blair & Co.....\$	600.00	
Transferred to N. W. Harris & Co.....	15,000.00	
Transferred to Chase National Bank.....	3,000.00	
Transferred to Chemical National Bank....	33,400.00	
Warrants paid and returned.....	134.50	
Coupons paid and returned.....	124,425.00	
Balance	60,950.13	

\$ 237,509.63 \$ 237,509.63

Water Main Fund.

Received collections	\$ 3,456.95	
Warrants paid and returned.....\$	2,500.00	
Balance	956.95	
	\$ 3,456.95	\$ 3,456.95

Bonded Indebtedness Interest Fund New York Account.

Balance Chase National Bank December 31, 1908	\$ 1,500.00	
Balance Chemical National Bank December 31, 1908	12,550.00	
Balance N. W. Harris & Co., December 31, 1908	300.00	
Transferred to Blair & Co.....	600.00	

Transferred to Chase National Bank.....	3,000.00	
Transferred to Chemical National Bank...	33,400.00	
Transferred to N. W. Harris & Co.....	15,000.00	
Coupons paid and returned, Blair & Co....\$	600.00	
Coupons paid and returned, Chase National Bank	4,110.00	
Coupons paid and returned, Chemical National Bank	33,425.00	
Coupons paid and returned, N. W. Harris & Company	14,820.00	
Balance Chase National Bank.....	390.00	
Balance Chemical National Bank.....	12,525.00	
Balance N. W. Harris & Co.....	480.00	
	\$ 66,350.00	\$ 66,350.00

Lighting Fund.

Balance as per report December 31, 1908...	\$ 52,400.63	
Received taxes, J. M. Lewis, Co. Treas....	119,982.50	
Warrants paid and returned.....\$	115,146.95	
Balance	57,236.18	
	\$ 172,383.13	\$ 172,383.13

Water Bond Interest Fund.

Balance as per report December 31, 1908....	\$ 72,625.00	
Transferred from water fund.....	145,000.00	
Coupons paid and returned.....	144,950.00	
Balance	72,675.00	
	\$ 217,625.00	\$ 217,625.00

Street Improvement Fund.

Balance as per report December 31, 1908...	\$ 75,269.45	
Transferred from redemption fund.....	76.75	
Transferred from general fund.....	7,419.15	
Transferred from improvement bond sinking fund	1.90	
Transferred to general fund.....\$	2,499.17	
Received assessments	1,822,315.41	
Warrants paid and returned.....	1,870,358.69	
Balance	32,224.80	
	\$1,905,082.66	\$1,905,082.66

Sewer Fund.

Balance as per report December 31, 1908..	\$ 1,068.73	
Transferred from general fund.....	55.00	
Received assessments	180,841.87	
Transferred to general fund.....\$	211.22	
Warrants paid and returned.....	179,775.20	
Balance	1,979.18	
	\$ 181,965.60	\$ 181,965.60

Street Extension Fund.

Balance as per report December 31, 1908...	\$ 15,803.80	
Transferred from general fund.....	96.00	
Received assessments	18,954.56	
Transferred to general fund.....\$	120.00	
Warrants paid and returned.....	22,969.79	
Balance	11,764.57	
	\$ 34,854.36	\$ 34,854.36

Street and Sewer Interest Fund.

Balance as per report December 31, 1908....	\$ 1,355.76	
Transferred from general fund	8,000.00	
Transferred from redemption fund.....	5.83	
Transferred from improvement bond interest fund	.35	
Received collections	6,772.40	
Warrants paid	16.73	
Interest paid on warrants.....	14,601.17	
Balance	1,516.44	
	\$ 16,134.34	\$ 16,134.34

Improvement Fund.

Balance as per report December 31, 1908....	\$ 2,133.83	
Received collections	10,969.74	
Bonds redeemed and returned	6,417.08	
Balance	6,686.49	
	\$ 13,103.57	\$ 13,103.57

Ladd & Tilton Improvement Fund Account.

Balance as per report December 31, 1908....	\$	98,705.05
Balance	\$	98,705.05
	\$	98,705.05
	\$	98,705.05

Improvement Bond Interest Fund.

Balance as per report December 31, 1908...	\$	6,781.37
Received interest Ladd & Tilton certificate of deposit		3,957.11
Received interest on bonds		1,765.04
Transferred from general fund.....		22,000.00
Received sundry collections.....		89,542.04
Transferred to street and sewer interest fund\$	.35	
Coupons paid and returned.....	114,193.43	
Balance	9,851.78	
	\$	124,045.56
	\$	124,045.56

Improvement Bond Sinking Fund.

Balance as per report December 31, 1908...	\$	8,439.45
Received bonded assessments.....		340,390.20
Transferred to street improvement fund....\$	1.90	
Bonds redeemed and returned.....	123,054.42	
Warrants paid	11.00	
Balance	225,762.33	
	\$	348,829.65
	\$	348,829.65

Water Fund.

Balance as per report December 31, 1908...	\$	138,095.31
Received collection F. T. Dodge, Supt....		507,730.60
Transferred from water fund bond account.		76,525.44
Transferred to water bond interest fund....\$	145,000.00	
Transferred to bonded indebtedness interest fund	15,000.00	
Warrants paid and returned.....	377,373.87	
Balance	184,977.48	
	\$	722,351.35
	\$	722,351.35

Water Bond Sinking Fund.

Balance as per report December 31, 1908...	\$	124.90
Bonds redeemed		31,500.00
Received collections F. T. Dodge, Supt....		63,000.00
Received interest on bonds.....		9,546.08
Warrants paid and returned.....\$	102,850.00	
Balance	1,320.98	
	\$	104,170.98
	\$	104,170.98

Special Bridge Fund.

Balance as per report December 31, 1908...	\$	33,042.43
Received taxes, J. M. Lewis, Co. Treas....		103,489.92
Received O. R. & N., Grand avenue bridge.		1,600.00
Received O. R. N., Union avenue bridge..		1,600.00
Received sale of bonds.....		17,099.94
Warrants paid and returned.....\$	800.00	
Balance	156,032.29	
	\$	156,832.29
	\$	156,832.29

Police and Fire Department Relief Fund.

Balance as per report December 31, 1908...	\$	2,244.60
Received sundry collections.....		3,288.10
Received C. Gritzmacher, Chief of Police..		11.85
Received A. M. Cox, Chief of Police.....		50.00
Received sundry donations		410.00
Received J. Speier, witness fees.....		9.00
Received interest on bonds.....		240.00
Warrants paid and returned.....\$	5,350.78	
Balance	902.77	
	\$	6,253.55
	\$	6,253.55

Park Fund.

Balance as per report December 31, 1908....	\$	23,914.86
Received taxes, J. M. Lewis, Co. Treas....		82,717.82
Received Star Drilling Company donation..		1,000.00
Received guinea-pigs, sold.....		5.50
Received S. H. Burnett, park privilege.....		800.00
Received James J. Hill, donation.....		483.02
Received sale of bathhouse		40.00

Received A. K. Fish, concession.....		10.00	
Warrants paid and returned.....	\$ 71,810.28		
Balance	37,160.92		
	<u>\$ 108,971.20</u>	<u>\$ 108,971.20</u>	

Bill Posting Badge Fund.

Balance as per report December 31, 1908...		\$ 94.00	
Received for badges		13.00	
Badges redeemed and returned.....	\$ 9.00		
Balance	98.00		
	<u>\$ 107.00</u>	<u>\$ 107.00</u>	

Library Fund.

Received taxes, J. M. Lewis, Co. Treas....		\$ 26,893.90	
Warrants paid and returned.....	\$ 26,734.51		
Balance	159.39		
	<u>\$ 26,893.90</u>	<u>\$ 26,893.90</u>	

Redemption Fund.

Balance as per report December 31, 1908...		\$ 174.38	
Received collection A. L. Barbur, Auditor..		3,722.01	
Transferred to street and sewer interest			
fund	\$ 5.83		
Transferred to improvement fund.....	76.75		
Transferred to general fund.....	1.00		
Warrants paid and returned.....	3,645.01		
Balance	167.80		
	<u>\$ 3,896.39</u>	<u>\$ 3,896.39</u>	

Park and Boulevard Fund.

Balance as per report December 31, 1908...		\$ 510,945.00	
Transferred to general fund.....	\$ 45.27		
Warrants paid and returned.....	404,980.95		
Balance	105,918.78		
	<u>\$ 510,945.00</u>	<u>\$ 510,945.00</u>	

Water Fund Bond Account.

Received sale of bonds.....	\$ 250,000.00	
Received premium on bonds.....	5,217.50	
Transferred to water fund.....	\$ 76,525.44	
Warrants paid and returned.....	62,700.00	
Balance	115,992.06	
	<u>\$ 255,217.50</u>	<u>\$ 255,217.50</u>

Hawthorne Avenue Bridge Fund.

Received sale of bonds.....	\$ 450,000.00	
Received premium on bonds.....	9,391.50	
Received sale of property.....		10,000.00
Transferred to general fund.....	\$ 231.94	
Warrants paid and returned.....	61,315.95	
Balance	407,843.61	
	<u>\$ 469,391.50</u>	<u>\$ 469,391.50</u>

General Fund Redemption of Warrants.

Balance same as report December 31, 1908...	\$ 2,889.53	
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Fund for Repair of Streets and Bridges.

Balance same as report December 31, 1908...	\$ 31.98	
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Mt. Hood Electric Company.

(Bonds deposited.)

Improvement bonds Nos. 2285, 2286, \$500		
each, deposited as indemnity Section 5,		
Ordinance No. 15364.....	\$ 1,000.00	

Improvement Bond Sinking Fund—Bond Account.

Bonds purchased	\$ 51,388.46	
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Police and Fire Department Relief Fund—Bond Account.

Bonds purchased and owned.....	\$ 7,500.00	
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Portland Railway, Light & Power Company.

Deposit, Section 5, Ordinance No. 16062, cash \$ 1,000.00

STREET IMPROVEMENT FUND.

Balance as stated.....\$ 32,224.80

Credited as follows:

M street, 4th to 12th.....	\$ 68.37
Clinton street, 12th to 21st.....	532.28
Front street, Gaines to First avenue.....	88.14
Hood street, Sheridan to Curry.....	6.05
22nd street, J to P.....	22.66
Multnomah street, Gaines to Curry.....	9.10
24th street, formerly "A" street.....	29.96
Tacoma avenue, Willamette River to E line.	50.00
Cable street, Mill to Terrace road.....	60.51
Grand avenue, Clay to Stark.....	2.36
Belmont street, E. Water to E. 34th.....	12.00
4th street, Burnside to Glisan.....	23.60
Grand avenue, Clay to Grant.....	1.47
Columbia street, 3rd to Water.....	.77
Goldsmith street, 329 ft. to 802 ft. S. of Page	1.00
Elm street, 16th to Chapman.....	3.75
Front street, Wood to Grover.....	43.78
Corbett street, 100 ft. to 30 ft. S. of Pennoyer	2.75
Front street, Madison to Burnside.....	5.94
Davis street, 12th to 14th.....	2.90
Union avenue, 12 ft. S. to 121 ft. N. of	
Broadway	37.78
Front street, 150 ft. N. to 70 ft. S. of Lane..	40.63
17th street, 60 ft. S. to 254 ft. N. of Vaughn.	24.71
Rodney avenue, Hancock to Knott.....	62.42
Stark street, 7th to 12th.....	7.00
Front street, Quimby to 404 S. of.....	36.33
Hancock street, 200 ft. E. of 17th to E. 15th	1.41
19th East street, Multnomah to Weidler...	136.79
Sherman street, 6th to 300 ft. W. of.....	.16
East Salmon street, 15th to 33rd.....	38.35
Washington street, Burnside to City Park...	9.48
4th, Glisan to Jefferson.....	.05
Front street, Arthur to Seymour.....	1.56
Overton street, 12th to 25th.....	56.01
G street, east to west end.....	4.62

4th street, Burnside to Glisan.....	79.17
Union avenue, Alberta to Love D. L. C.....	67.68
Mississippi avenue, Morris to Prescott.....	3.18
22nd East street, Dunns Add. to E. Burnside	.30
5th street, C to I.....	65.34
Albina avenue, Page to river.....	713.21
Kelly street, Hamilton to Macadam.....	109.28
Pine street, Front to 6th.....	11.25
Peninsula avenue, Pippin to Columbia	
boulevard	56.67
East 24th street, Multnomah to Halsey.....	18.63
Failing street, Williams to Union avenue....	77.01
Powell street, Milwaukie to East 21st.....	31.46
Corbett street, Hood to Seymour.....	122.86
East Washington street, Union avenue to	
East Water	.30
Williams ave., McMillen to Morris.....	69.57
East Alder st., Union ave. to East 10th.....	6.42
First street, north to south line Alder.....	16.71
16th street, Washington to Thurman.....	74.34
Hancock street, E. 24th to 200 ft. E. of	
county road	16.54
Front street fill at Lane.....	4.90
Weidler street, East 1st to E. 21st.....	92.01
Clackamas street, Union avenue to East 7th	46.20
First street fill at Grover.....	5.70
Second street, Morrison to Glisan.....	3.96
Brooklyn street, East 10th to Milwaukie....	3.16
Holladay avenue, Larrabee to East 12th...	85.83
Colfax street, Union avenue to Garfield ave.	1.48
Albina avenue Page to river.....	28.06
16th street, College to Davenport.....	30.40
Hood street fill.....	2.23
14th street, Burnside to Savier.....	1,048.99
Denver avenue, Killingsworth to Portland	
boulevard	1,397.40
Belmont street, East Water to Union avenue	83.00
Oak street, Union avenue to East 6th.....	122.28
Corbett street fill north of Grover.....	168.68
Van Houten street, Strong to Columbia	
boulevard	87.10
East 34th street, Brooklyn to Powell.....	830.28
Gantenbein avenue, Morris to block 4, Albina	
Addition	240.98

Claremont street, Base Line road to Villa avenue	16
Hawthorne avenue, 18 ft. E. of E. Water to Stephens D. L. C.....	11.80
Clackamas street, E. 24th to E. 28th.....	49.88
Vancouver avenue fill, Wheeler to Broadway	14.75
21st street, Spring to Clifton.....	22.52
East Stark street, E. 9th to E. 12th.....	20.58
East 44th street, Hawthorne avenue to lot C	51.00
Corbett street fill at Pennoyer	3.90
Frankfort street, Milwaukie to Feurs Add..	133.15
Rhine street, Milwaukie to Feurs Add.....	214.48
3rd street, Lincoln to Sherman.....	1.02
Haven street, Dawson to Rutledge.....	21.75
Broadway, Crosby to Wheeler.....	92.79
Failing street, Maryland to Williams.....	163.31
Vaughn street, 31st to lot 3, block 38, Wil-	
lamette Heights	327.68
Laurel street, Villa avenue to Barr road....	5.37
Belmont street, E. 9th to E. 10th.....	467.11
Borthwick street, S. L. Central Albina to Skidmore	75.63
Portsmouth avenue, Columbia boulevard to Montavilla	121.00
Willis boulevard, Newman to Berkeley.....	217.73
East 13th street, Powell to Bismark.....	87.93
A street, Gideon O. & C. R. R. right of way	63.49
Bybee street, E. 14th to Milwaukie.....	3.05
Spokane avenue, Grand avenue to 150 ft. W.	206.60
Brooklyn street, E. 37th to Waverleigh	
Heights	85.30
Park street, Burnside to Washington.....	311.30
East 45th street, S. line lot B to E. Lincoln	42.13
East 36th street, Yamhill to Hawthorne ave.	321.55
Haight avenue, Beech to Skidmore.....	592.82
Webster street, Albina avenue to Kerby...	4.75
East 41st street, Division to E. Grant.....	201.14
East 40th street, Yamhill to Belmont.....	74.55
Alberta S. 1/2, Williams to Union avenue....	47.99
East 17th street, E. Stark to Sandy road...	337.92
Clinton street, E. 12th to E. 26th.....	4.10
East 17th street, Nehalem to Malden.....	12.25
Minnesota avenue, Fremont to Skidmore...	11.18
Emerson street, Union avenue to Roselawn.	.02

East Main street, E. 39th to E. 41st.....	13.45
Franklin street, E. 8th to Milwaukie	31.46
Webster street, Michigan to Denver.....	332.10
Monroe street, Gantenbein to Borthwick....	13.72
East 14th street, Failing to Mason.....	2.34
East 45th street, Hawthorne avenue to lot B	1.00
East 36th street, Ellsworth to Waverly	
Heights	270.26
Multnomah avenue, E. 9th to E. 19th.....	.93
Tibbetts street, E. 21st to E. 26th.....	4.40
Hancock street, E. 25th to E. 24th.....	24.74
East 72nd street, Hassalo to Barr road....	1.06
Gantenbein avenue, block 4, Albina Add to	
lot 4, block 5, Albina Add.....	2.14
Flint street, Hancock to Tillamook.....	7.96
Columbia street, Front to Third.....	317.57
Borthwick street, Russell to Page.....	165.43
Ross street, Dixon to Dupont.....	136.85
Front street, N. to S. line of Madison.....	62.99
Alder street, Front to Sixth.....	188.15
Jessup street, Union avenue to Vancouver.	
avenue	769.32
East 12th street, Alberta to Prescott.....	208.17
Denver avenue, Killingsworth to Brainard	
Tract	193.54
Beech street, Minnesota avenue to Missis-	
sippi avenue	163.16
Tillamook street, Williams to Flint.....	78.87
Myrtle street, 17th to Montgomery drive..	233.97
East 21st street, Hawthorne avenue to E.	
Market	109.04
East 22nd street, Hawthorne avenue to E.	
Market	108.22
Gideon street, Milwaukie to E. Ter. Gideon	371.59
Grand avenue, Holladay avenue to Grand	
avenue bridge	1,153.65
East 23rd street, Hawthorne avenue to East	
Market	109.56
Euclid avenue, Hawthorne avenue to E.	
Lincoln	468.25
East 17th street, Clackamas to Broadway..	177.41
Grand avenue, E. Clay to Belmont.....	1,435.48
East 29th street, Franklin to Waverly	
boulevard	86.97

Front street fill at Wood.....	2.75
26th street, Northrup to Pettygrove.....	91.19
Atlantic street, Killingsworth to Portland boulevard	311.77
East Burnside street, 10th to 30th.....	2,095.14
East Main street, N. 23rd to Brown Tract...	171.79
11th street, Washington to Jefferson.....	1,426.67
East 16th street, Clackamas to Halsey.....	52.32
Maryland avenue, Webster to Prescott.....	146.39
East Lincoln street, E. 34th to Marguerite avenue	214.31
Halsey street, E. 24th to E. 28th.....	3.46
Wygant street, Patton to Michigan.....	42.76
Burnside street, 3rd to 6th.....	171.40
East 19th street, Knott to Siskiyou.....	358.35
Going street, E. 11th to E. 15th.....	.47
Borthwick street, Cook avenue to Central Albina	102.77
Stark street, 2nd to 3rd.....	72.41
East 3rd street, E. Glisan to Heiple Tract.	79.59
East Pine street, E. 18th to E. 32nd.....	7.56
Killingsworth avenue, Patton to Willamette boulevard	15.69
Water street, Clay to Columbia	324.14
East 11th street, Failing to Fremont.....	.42
East Harrison street, E. 34th to E. 39th....	358.66
Michigan avenue, Fremont to Skidmore....	4.94
Berkeley avenue, Hawthorne avenue to Division	10.45
Custer street, Kelly to Corbett.....	39.70
Hassalo street, Grand avenue to East 11th..	59.94
Overton street, 25th to 27th.....	442.92
East 17th street, Bismark to Insley.....	1,286.27
East 21st street, Brazee to Knott.....	193.76
East 10th street, 50 ft. S. to 45 ft. N. of E. Stark	134.25
Front street, Custer to Miles.....	178.92
14th street East, Fremont to Failing.....	16.09
Milwaukie avenue, O. & C. R. R. Tract to Holgate	493.06
Williams avenue, Killingsworth to Ains- worth	21.59
East 18th street, Thompson to Brazee.....	118.56

East 30th street, Blumauer Add. to Sandy road	22.19
Bancroft avenue, west to Kelly.....	2.09
Alley block 26, Multnomah.....	11.17
Thurman street, 25th to Steel Bridge at 29th	38.67
Sherlock avenue, Nicolai to O. R. & N. boat yard	2.74
Tenino avenue, Grand avenue to E. 13th....	50.22
East 12th street, Multnomah to Halsey.....	236.84
East 8th street, Holladay to Halsey.....	29.86
Stanton street, E. 14th to E. 24th.....	10.95
Maryland avenue, Webster to N. Albina...	21.68
Michigan avenue, Killingsworth to Humbolt	16.25
Jessup street, Patton to Concord.....	16.90
East Oak street, E. 18th to lot 5, block 6, Murphy's Add.	73.87
East Salmon street, Water to Union ave.	20.67
Union avenue, Holladay to Alberta.....	18.73
Marion avenue, E. 23rd to E. 19th.....	6.54
Bidwell avenue, E., 13th to Milwaukie road..	150.71
East Taylor street, E. 55th to E. 60th.....	2.20
Stephens street, E. 37th to E. 39th.....	22.19
East 28th street, Francis avenue to block 3, Evanston	248.24
East 16th street, Knott to Siskiyou.....	21.26
Wasco street, Grand avenue to East 15th..	596.52
Everett street, 10th to 23d.....	49.48
Kerby street, Russell to Cook avenue.....	115.41
East 31st street, Brooklyn to Clinton.....	5.04
Broadway, Union avenue to E. 24th.....	1,333.00
Thurman street, Rugby to Willamette Hts.	6.11
East 17th street, Knott to Siskiyou.....	32.16
Commercial street, Stanton to Sec. 22, T. 1 N., R. 1 E.....	180.62
Sixth street, Irving to Glisan.....	24.00
Weidler street, block 11, Carter's, to E. 31st	1.42
Twenty-eighth street, Willamette Hts. Dis.	8.18
Clackamas street, E. 7th to E. 15th.....	445.31
E. 7th st., Holladay to Clackamas.....	15.34
Hoyt street, 6th to 7th.....	27.36
East 27th street, Stark to Belmont.....	365.24

East Stark street, E. 20th to range line, Secs. 1 and 2, E. of W. M.....	30.49
	\$ 32,224.80 \$ 32,224.80

SEWER FUND.

Balance as stated	\$ 1,979.18	
Credited as follows:		
Portland Heights	\$ 117.91	
Oak street (old)	28.46	
Alder et al.	14.78	
Grand avenue, E. Market to E. Alder.....	5.10	
Irvington District	3.14	
Monroe, Union avenue to East 7th.....	19.35	
Seventh street, East, Elise et al. to Thomp- son	167.45	
Overton, 20 ft. E. of 27th to 200 ft. W. 25th	12.94	
Commercial, 400 ft. N. of to Alberta.....	18.15	
Klickitat, 220 ft. E. of to Union avenue...	48.95	
Glisan, 190 ft. W. of 22d to 21st.....	18.35	
Michigan avenue and Prescott.....	20	
First, 40 ft. S. of Gaines to Abernethy....	62.60	
First street, Bancroft to Hamilton.....	81.40	
Belmont, Section 6 to E. 60th.....	62.90	
Glisan, 15th to 11th.....	174.75	
Irving, E. 24th to E. 22d.....	16.76	
Sherlock avenue, N. terminus of Sherlock to Nicolai	62.54	
Fourteenth street, East, Knott to Klickitat.	12.30	
Albina avenue, Sumner to Alberta.....	21.84	
Brooklyn District	985.16	
Gantenbein avenue, Stanton to Morris.....	44.15	
	\$ 1,979.18 \$ 1,979.18	

WATER MAIN FUND.

Everett street, 19th to Cornell road, balance	\$ 956.95
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STREET EXTENSION FUND.

Balance as stated	\$ 11,764.57
Credited as follows:	
Heights Terrace	\$ 10.00

Burnside street, East, E. 28th to Goodsell av.	50
St. Helens road, Front to 29th.....	110.15
Nevada street	4.00
Union ave., Union ave. to Love D. L. C....	3.74
Clinton street, E. 36th to E. 37th.....	73.68
Fifteenth street, East, Belmont to Yamhill	14.00
Elsmere avenue, Hawthorne to Division....	15.00
Dekum avenue, Camden to Vancouver coun- ty road	14.00
Twenty-ninth, East, Broadway to Tillamook	57.00
Twenty-sixth, East, Hawthorne avenue to Dolan Addition	35.00
Francis avenue, E. line block 11 to W. line block 1, Kenilworth	3.00
Belmont, Prettyman to E. city boundary....	16.00
Emerald, Pippin to Willis.....	28.65
Dekum ave., Camden to Vancouver Co. road	190.40
16th street, East, Highland Park to Howe..	84.50
Burrage, Pippin to Farragut.....	20.67
Orange ave., Paradise Spgs. to Myrtle....	124.00
Nineteenth street, East, Powell to Edgar..	150.00
Portland boulevard, Vancouver avenue to Union avenue	28.75
17th street, East, Highland Park to Howe..	126.50
Thirtieth street, East, lot P-E, Portland Heights to Ellsworth	76.15
Twenty-seventh street, East, lot S-E, Port- land Heights to Ellsworth.....	117.80
Twenty-eighth street, East, lot R-E, Port- land Heights to Ellsworth.....	40.90
Twenty-ninth street, East, lot Q-E, Portland Heights to Ellsworth	4.40
Sixth street, East, block 1, Woodlawn to Dekum avenue	505.54
Pearl street, E. line Mt. Tabor Villa Annex to Hibbard	379.00
Twenty-sixth street, East, Hawthorne ave- nue to Dolan street	78.00
Thirty-second street, East, Brooklyn to Ells- worth	84.00
Fremont, Vancouver avenue to block 34, Central Albina	57.35
7th street, East, block 22, Woodlawn to Magnolia	43.00

39th street, East. E. Salmon to E. Stark...	41.90
34th street, East, Sandy road to Sec. 25, T. 1 N., R. 1 E.....	40.00
Sandy boulevard	1.40
Salmon street, East, Sunnyside Addition to Glenco Park	17.00
Villard ave., Pippin to Columbia boul...	102.24
Heights Terrace	753.40
30th street, East, Stark to Hawthorne ave.	16.00
Sumner st., Minnesota to M. Patton tract..	81.00
Thirteenth street, Washington to Stark....	216.00
Oak st., East, W. to E. line of Dunn's Add.	184.50
76th st., East, Hawthorne ave. to Base Line road	1.00
40th st., East, Francis ave. to Powell Valley road	11.20
Arnold street, E. 28th to Marguerite ave....	64.80
10th street, East, Giscome tract to Oak Knoll Annex	98.80
Market Street Drive, 19th to 21st.....	100.00
Wisconsin street, block 17, S. Portland, to block 48, Fulton Park	160.20
Portland boulevard, Union avenue to E. 6th.	95.00
46th street, East, W. line lot A to Hawthorne Avenue Addition	55.50
A street, Albina ave. to Mississippi ave....	51.00
Forty-fifth street, East, lot B to lot B....	53.60
Ainsworth ave., Patton ave. to Park Add..	122.60
Grand avenue, Ainsworth to Dekum.....	252.60
Twentieth street, East, Insley to Zanita...	705.00
Forty-fourth street, East, W. line lot C. to S. line lot C, Hawthorne Avenue Add..	54.90
Tillamook, Gantenbein to Goldsmith.....	8.75
Everett street, E. 16th to E. 17th.....	1,520.00
Portland boulevard, Vancouver avenue to Rodney avenue	140.00
Stark street, 13th to Burnside.....	3,738.00
24th street, East, Brush Add. to Tibbetts..	517.00
Malden, 11th st., East, to 13th st., East....	65.50

\$ 11,764.57 \$ 11,764.57

SUMMARY.

Balance in treasury	\$1,964,332.01
Balance Ladd & Tilton imp. fund.....	98,705.05
Balance, New York	13,395.00
Balance, bonded warrants, bearing 6 per cent interest	100,000.00

Credited as follows:

General fund	\$ 274,083.50
Fire Department fund	169,332.67
Police Department fund	66,071.67
Street repair fund	58,745.73
Bonded indebtedness interest fund.....	60,950.13
Water main	956.95
Bonded indebtedness interest fund, N. W. Harris & Co.	480.00
Bonded indebtedness interest fund, Chase National Bank	390.00
Bonded indebtedness interest fund, Chemical National Bank	12,525.00
Lighting fund	57,236.18
Water bond interest fund.....	72,675.00
Street improvement fund	32,224.80
Sewer fund	1,979.18
Street extension fund	11,764.57
Street and sewer interest fund.....	1,516.44
Improvement fund	6,686.49
Ladd & Tilton, improvement fund.....	98,705.05
Improvement bond interest fund.....	9,851.78
Improvement bond sinking fund.....	225,762.33
Water fund	184,977.48
Water bond sinking fund	1,320.98
Special bridge fund	156,032.28
Police and Fire Department relief fund....	902.77
Park fund	37,160.92
Bill posting badge fund	98.00
Public Library fund.....	159.39
Redemption fund	167.80
Park and boulevard fund	105,918.78
Water fund bond account	115,992.06
Hawthorne avenue bridge fund.....	407,843.61
General fund, redemption of warrants.....	2,889.53

Fund repair street and bridges.....	31.98
Portland Railway, Light & Power Company deposit fund	1,000.00
	\$2,176,432.06 \$2,176,432.06

Respectfully submitted,
J. E. WERLEIN, City Treasurer.

ANNUAL REPORT

— OF —

City Engineer

January 10, 1910.

Hon. Joseph Simon, Mayor, Portland, Oregon.

Dear Sir: I have the honor to submit the following reports of work carried on and money expended under the direction of the Engineering Department during the year ending December 31, 1909.

The cost of street work constructed under ordinance is \$2,001,413.25, being about \$250,000, greater than that of the year 1908. The amount of hard surface pavements is considerably greater than that of the previous year, and an increase in gravel and macadam pavements is noted. However, opposition to this cheap class of pavement by property owners has grown to such an extent in the past four months that it is safe to predict that the annual report for 1910 will deal principally with permanent hard surface pavements.

The cost of the construction of sewers for 1909 was \$313,427.20. Of this amount the Brooklyn sewer cost \$284,053.75, leaving \$29,373 as the total cost of lateral sewers, against \$77,407 as the cost of sewers constructed in 1908. The Sewer Department, as reorganized by me shortly after assuming charge of this office, have filed plans and specifications with the Auditor for the construction of sewers aggregating \$500,000, and it is my intention that the sanitary improvements shall keep pace at least with the needs of the public.

Shortly after taking charge of the office I caused a complete reorganization of the employees, appointing a Principal Assistant Engineer, Office Engineer, Engineer of Sewers and Bridges, District Engineers and District Inspectors. I also appointed a Right-of-Way Agent, Blue Print Operator and Trench Inspector.

Right-of-Way Agent: The need of a right-of-way agent was apparent when I found one or more sewers under contract, but could not be completed for the reason that right-of-way for the same had not been obtained. I also observed numerous instances where streets were necessary, but owing to expense of platting or the great length of time consumed by the city in the regular manner of opening streets, as well as an added expense, that progress in this line could be improved. The report of the right-of-way agent shows a decided improvement in this matter. Numerous deeds of property to the public for the use of streets have been obtained, together with many deeds of right of way over lots and tracts for the construction of sewers, without expense to the city other than the salary of the right-of-way agent.

Blue Print Operator: The report of the blue print operator shows that there is ample work to justify the need of this position, and an increased efficiency in the records of this and other departments is noticeable.

Trench Inspector: Many complaints have been filed in this office of the poor condition of streets caused by the opening of same for laying water and gas mains or pipes and connections with sewers. The opening and refilling of these trenches, while governed to some extent by ordinance and resolution, were not under the jurisdiction of an authorized inspector. September 1 I appointed a trench inspector to look after this work. He reports 650 permits issued to plumbers and others to make cuts in streets, and that he has accepted 452. There are some complaints of the trench inspector's requirements before a refilled trench is accepted, but I think a better class of work is exacted.

Chemical Laboratory: The increased amount of asphalt and bituminous pavement laid during the last year, and the vast amount which is proposed to be laid in the future, coupled with the reduction of the maintenance clause from ten to five years, make necessary the city's having a chemical laboratory for the proper testing of materials used in making these pavements. This is to be installed at once, after which I expect a better and more uniform class of bituminous pavements.

Street Monuments: It appears from the records of this office that practically no permanent street monuments for the determination of street and property lines have been put in by this department since 1896, notwithstanding the large increase in area of the city and the vast increase of improvements. It is most desirable that sufficient monuments be established by the city that street and property

lines may be accurately determined, and it is my purpose to put one or more parties in the field for this special and most important work.

Telephone Exchange: At present all phone calls are answered by this office and connections made with the proper department. A general exchange is contemplated, which will be the means of saving much time and giving more satisfactory results.

I have inaugurated a system of indexing all correspondence, maps, drawings, tracings, etc., using the card system with some modifications.

Permits: The number of permits of the various kinds issued during the year was as follows:

For sidewalks	1,453
For private grading	287
For moving buildings	42
For business signs	27
For temporary use of streets during construction of buildings...	1,735
For opening streets for gas, sewer or water connections.....	1,634

The expenditures for the entire department for the year were \$236,613.68, divided as follows:

General fund	\$128,335.44
Street repair fund	108,278.24

I transmit herewith tables and statements giving in detail the various kinds and quantities of street and sewer work executed, together with a statement relating to the expenditure of money appropriated by the Council for the use of this department.

Very respectfully,

J. W. MORRIS, City Engineer.

STREETS OPENED, WIDENED AND EXTENDED DURING THE YEAR 1909.

No.	Name of street.	Length in ft.	Limits of Extension.
1	Albina avenue	110	Fm. Albina av. as laid out in Clifford to Miss. av. as laid out in Mul'mh.
2	Ainsworth avenue	1,170	From the w. line of Patton av. to the e. line of Park add.
3	Arnold street	880	From the w. line of E. 38th st. to the e. line of Marguerite av.
4	Burnside street, East	50	From the w. line of E. 60th st. to the e. line of E. 60th st.
5	Burnside street, East	825	From the e. line of E. 30th st. to the w. line of T. Quinn D. L. C.
6	Base Line road	3,130	From Scott av. to Thorburn av.
7	Burnside street, East	740	From the w. line of E. 63d st. to the e. line of E. 65th st.
8	Dawson street	2,355	From sly. line of Columbia park to the wly. line of Wabash av.
9	Eighth street, East	385	From 144.5 ft. s. of the s. line of Knott st. to the center line Brazee st.
10	Eleventh street, East	385	From 144.5 ft. s. of the s. line of Knott st. to the center line Brazee st.
11	Everett street, East	515	From the e. line of Byrne's add. to wly. line of Bronaugh's add.
12	Fourteenth street, East	2,815	From the n. line of Brazee st. to the n. line of Fremont st.
13	Fremont street	780	From w. line Vancouver av. to w. line blk. 34, Central Albina, ext'd s.
14	Forty-ninth street, East	2,575	From the s. line of Base Line road to the n. line Hawthorne av.
15	Fern street	45	From the s. line of Scoffin's add. to w. line of E. 13th st.
16	Flanders street, East	465	From the e. line Byrne's add. to wly. line of Bronaugh's add.
17	Fifty-third street, East	1,685	From the n. line of E. Hoyt st. to the s. line of Collwell's add.
18	Frankfort street	190	From e. line Feurer's add. to ne. line of O. & C. Ry. right of way.
19	F y-fifth street, East	2,580	From the s. line of E. Stark st. to the n. line of Hawthorne av.
20	Fremont street	1,755	From the e. line of Albina to the w. line of E. 14th st.
Total		23,435	

STREETS OPENED, WIDENED AND EXTENDED DURING THE YEAR 1909—Continued.

No.	Name of street.	Length in ft.	Limits of Extension.
21	Fremont street	4,615	From the w. line county road adjoining blk 56, in Irvington, to half-sec. 1, running n. and s. thru' center Sec. 24, T. 1 N. R. 1 E., W.M.
22	Greenwood avenue	670	From n. line of Francis av to s line of Powell Valley road.
23	Heights terrace	490	From w. line of 16th st. to 100 ft. w. of the w. line of 17th st.
24	Hawthorne avenue	1,305	From w. line of E. 53th st. to the w. line of E. 60th st.
25	Market street	560	From w. line of 19th st. to the center line of 21st st.
26	Ninth street, East	385	From 144.5 ft. s. of the s. line Knott st. to center line of Brazee st.
27	Oak street, East	350	From w. line of Dunn's add. to the e. line of Dunn's add.
28	Prescott street	2,645	From w. line E. 24th st. to w. line county road thru' center of sec. 24.
29	Powell Valley road	1,460	From the e. line E. 26th st. to the w. line of E. 21st st.
30	Sumner street	1,530	From e. line Minnesota av. to w. line blk. O, in Patton's tract.
31	Seventy-sixth street, East	17,175	From the Base line road to Hawthorne av.
32	Sandy road	1,460	From e. line of E. 28th st. to the eastern boundary of the city.
33	St. Johns county road	315	From w. line Delay st. to the w. line of Cook's 2d add., ext'd s.
34	Slavin county road	2,390	From the e. line of Front st. to the w. line of Corbett st.
35	Seventy-first street, East	195	From the s. line Base Line road to n. line Prettyman D. L. C.
36	Tenth street, East	215	From n. line Gisco tract, ext'd w. to n. line Oak Knoll Annex.
37	Thirty-sixth street, East	1,275	From n. line lot J, in E. Portland hts., to n. line of Ellsworth st.
38	Twenty-ninth street, East	385	From n. line of Division st. to the s. line of E. Harrison st.
39	Thirteenth street, East	385	From 144.5 ft. s. of s. line Knott st. to the center line of Brazee st.
40	Twelfth street, East	385	From 144.5 ft. s. of s. line Knott st. to the center line of Brazee st.
Total,		40345	

STREETS OPENED, WIDENED AND EXTENDED DURING THE YEAR 1909—Continued.

No.	Name of street.	Length in ft.	Limits of Extension.
41	Tenth street, East.....	385	From 144.5 ft. s. of s. line Knott st. to the center line of Brazee st.
42	Thirtieth street, East.....	2,375	From s. line of E. Stark st. to the n. line of Hawthorne av.
43	Thirteenth street, East.....	90	From the s. line Morgan st. to the s. line of Scoffin's add.
44	Thirteenth street	30	From the e. line of Washington st. straight through to Stark st.
45	Twenty-second street, East	850	From the s. line of Bismark st. to the s. line of Gladstone av.
46	Thirty-ninth street, East... 1,625		From the s. line Ellsworth st. to n. line Powell Valley road.
47	Twenty-sixth street, East... 2,720		From the n. line Powell Valley road to n. line of Holgate st.
48	Thirty-third street, East..... 1,050		Fm. $\frac{1}{2}$ sec. line run. e. and w. thru' c. Sec. 25 to s. l. Columbia St. rd.
49	Thirty-sixth street, East.... 190		From s. line Rhine st. to n. line of Powell Valley road.
Total		9,515	
		63,780	
Grand total		73,295	

STREETS VACATED DURING 1909.

No.	Name of street.	Limits of Vacaton.
1	Alley in Blk. 35, Central Albina.	From s. line of Beech st. to the n. line of Fremont st.
2	Apian street	From nly. line of Silver terrace to nly. line of Diamond terrace.
3	Alley	From 100 ft. s. of s. line Spring st. to nly. line of Elizabeth st.
4	Belmont street (a portion of) ...	Bet. the s. line of blk. 4, Paradise Spgs. Tr. and n. line of Belmont st. as opened by resolution, and the e. and w. lines blk. 4, ext'd sly.
5	Chestnut street.....	From the w. line of 7th st. to the e. line of 8th st.
6	Crook street	From the w. line of 5th st. to the e. line of 7th st.
7	Diamond terrace.....	From the s. line of Fulton Park to the e. line of 10th st.
8	Division street (E. Ankeny).....	From e. line E. 81st st. to e. line Van Schoick's add. to Mt. Tabor.
9	Dakota street	From its junction with 7th st. to the e. line of 10th st.
10	Dekum street	From n. line of North Villa to s. line Wadhams st. (Oregon st.).
11	Elsa avenue (N. 23.7 ft. of).....	From e. line E. 24th st. to 161.92 ft. e. of e. line of E. 27th st.
12	Eighth street	From n. line unnamed st. along nly. side S. P. rt. of w. s. l. Wallace.
13	Golden terrace	From sly. line lot 7, blk 79, Fulton pk. ext'd sly. to e. line of 10th st.
14	Harold avenue	From the e. line of Linsley Acres to the w. line of Linsley Acres.
15	Lovejoy street (a portion of)	In Nob Hill terrace.
16	Myrtle street	That por. n. and w. co. road 469, commonly known Montgom'y St. Dr.
17	Ninth street	From n. l. of unnamed st. along nly. side S.P. rt. of w. to s. l. Dakota.
18	Nebraska street	From the w. line of 7th st. to the e. line of 10th st.
19	Nevada street	From the w. line of 7th st. to the e. line of 10th st.
20	Powers street	From n. line North Villa to s. line of Wadhams st. (Oregon st.).
21	Pollux street	From wly. line Golden terrace to ely. line of Diamond terrace.
22	Pearl terrace	From the s. line of Fulton park to the e. line of 10th st.
23	Ruby terrace	From the s. line of Fulton park to the e. line of 10th st.
24	Round street	From the n. line of Dakota st. to the e. line of 10th st.

STREETS VACATED DURING 1909.—Continued.

No.	Name of Street.	Limits of Vacation.
25	Saratoga street	From ely. line Madrona st. ext'd sly. to wly. line of Oneonta st.
26	Sixth street	In Fulton park.
27	Seventh street	In Fulton park.
28	Twentieth street	That portion lying s. of the s line of Terrace rd. ext'd ely. to the w. line of lot 4, blk. 104, Grover's add.
29	Twentieth street (23d st.)	From n. line blk. 75, Carter's add., ext'd wly. to L. F. Grover's w. line.
30	Thirteenth street, East	From e. line of S. P. Ry. track to s. line of Clinton st.
31	Thirty-fifth street, East	From n. line of Harold av. to n. line of Linsley Acres.
32	Taggart street	From e. line S. P. Ry. track to w. line of E. 14th st.
33	Taggart street	Bet. n. line of Taggart st. to the w. line of blk. 4, Auer's add., the s. line of blk. 4, ext'd w., and the e. line of E. 19th st.
34	Thompson street	From n. line of North Villa to the s. line of Wadhams st. (Oregon st.).
35	Tenth street	From s. line Fulton park to n. line of unnamed st. along n. side blk. 7.
36	Unnamed street	Extending e. and w. along n. side of blk. 13, in Hawthorne place.
37	Unnamed street	Along ne. side of blk. 7, Fulton park, from e. line of 6th st. to an unnamed st. along the n. side of blk. 7.
38	Unnamed street	Along the n. side blk. 7, Fulton park, from e. line 10th st. to the w. line of unnamed st. along the ne. side of blk. 7.
39	Unnamed street	Bet. blks. 7, 18, Fulton pk., fm. n. line Vermont st. to e. line of 6th st.
40	Unnamed street	Along nly. side S. P. rt. of way, from w. line 5th st. to e. line 10th st.
41	Unnamed street	In Fulton park, from e. line 10th st. to nly. line of Golden terrace.
42	Unnamed street	In Fulton park, from w. line lot 1, blk. 22, ext'd n. to n. line of lot 15, blk. 29, ext'd e.
43	Vermont street	From w. line 6th st. to w. line lot 1, blk. 22, in Fulton park ext'd n.
44	Wallace street	From e. line 10th st. to w. line of unnamed st. in Fulton park.

Summary of Length and Material of Roadways in City of Portland

ROADWAY	In place January 1, 1909			Laid during 1909		
	In lineal feet	In miles	On West Side, in miles	On East Side, in miles	In miles	On East Side, in miles
Steel Bridges	1953	.370	.227	.143	33870	6.415
Asphalt	79044	14.970	6.753	8.217	1615	.306
Stone Blocks	29075	5.506	5.386	.120	54630	10.346
Wood Blocks	10280	1.947	1.747	.200	16310	3.089
Bitulithic	10852	20.578	12.241	8.337	61040	11.560
Hassam	2966	.562	---	---	48450	9.176
Macadam	405107	76.725	57.063	19.662	1630	.309
Gravel	538149	101.922	.076	101.846	---	---
Plank Roadway	31500	5.966	.807	5.159	---	---
Elevated Roadway	16292	3.086	.921	2.105	---	---
Vitrified Brick	5311	1.006	.706	.600	---	---
Graded Street (earth grade)	701874	132.931	10.299	122.332	71680	13.576
Bituminous Macadam	805	.152	.152	---	---	---
Reinforced Concrete Bridge	558	.105	---	.105	---	---
Total	931,566	365.826	96.378	269.448	289,225	54.777
SUMMARY OF LENGTH AND MATERIAL OF SIDEWALK						
Cement	1777226	336.595	---	---	321032	60.802
Wood	1095574	207.495	---	---	69457	13.154
Gravel	59040	11.182	---	---	---	---
Cinder	827	.157	---	---	---	---
Wood Block	100	.019	---	---	---	---
Bitulithic	200	.038	---	---	---	---
Brick	2091	.396	---	---	---	---
Asphalt	2762	.523	---	---	---	---
Total	2,937,820	556.405	---	---	390,489	73.956

Summary of Length and Material of Roadways in City of Portland—Continued

ROADWAY	In place January 1, 1910			Actual cost of Improvement work for 1909			
	In lineal feet	In miles	On West Side, in miles	On East Side, in miles	West Side	East Side	Total
Steel Bridges	1953	.370	.227	.143	\$109543 00	\$245347 67	\$354890 67
Asphalt	111354	21.090	8.581	12.509	26925 45		26925 45
Stone Blocks	29850	5.653	5.533	.120			
Wood Blocks	10280	1.947	1.747	.200			
Bitulithic	163282	30.925	16.069	14.856	210471 95		667030 60
Hassam	19276	3.651		3.651		456558 65	149128 58
Macadam	443982	84.087	54.120	29.967	38554 59	326958 39	365512 98
Gravel	547479	103.689	.076	103.613		227739 74	227739 74
Plank Roadway	30910	5.854	.807	5.047		30276 56	30276 56
Elevated Roadway	15452	2.927	.921	2.006			
Vitrified Brick	3631	.688	.388	.300			
Graded Street (earth grade)	675754	127.984	8.738	119.246	10711 64	169197 03	179908 67
Bituminous Macadam	805	.152	.152				
Reinforced Concrete Bridge	558	.105		105			
Total	2054,566	389.122	97.359	291.763	\$396,206 63	\$1,605,206 62	\$2,001,413 25

SUMMARY OF LENGTH AND MATERIAL OF SIDEWALK

Cement	209,825 8	397.397	---	---	---	---	---
Wood	105,802 0	200.382	---	---	---	---	---
Gravel	590,400	11.182	---	---	---	---	---
Cinder	827	.157	---	---	---	---	---
Wood Block	100	.019	---	---	---	---	---
Bitulithic	200	.038	---	---	---	---	---
Brick	2091	.396	---	---	---	---	---
Asphalt	2762	.523	---	---	---	---	---
Total	3,221,298	610.094	---	---	---	---	---

SUMMARY OF STREET WORK DONE DURING 1909 BY ORDINANCE.

	On West Side.	On East Side.	Total.
Excavation, cubic yards.....	56,202	462,902	519,104
Embankment, cubic yards.....	10,379	385,993	396,372
Gravel, cubic yards.....	---	43,446.8	43,446.8
Macadam, cubic yards.....	7,086.9	57,004.4	64,091.3
Concrete, cubic yards.....	168.4	---	168.4
Artificial stone sidewalk, square feet.....	117,502.3	1,395,065.6	1,512,567.9
Artificial stone curb, lineal feet.....	24,861.94	245,592.35	270,454.29
Wood sidewalk and curb, lineal feet.....	2,000.7	67,456.72	69,457.42
Wood crosswalk, lineal feet.....	1,072	38,457.33	39,529.33
Box gutter, lineal feet.....	90	7,320.18	7,320.18
Open gutter, lineal feet.....	---	322	322
Stone gutter, lineal feet.....	5,251.16	13,638	18,889.16
Plank roadway, lineal feet.....	---	5,780.5	5,780.5
Stone block header, double row, lineal feet.....	2,868.8	7,617	10,485.8
Drain tile, lineal feet.....	37,720.65	66,772.99	104,493.64
Iron pipe, lineal feet.....	---	---	---
Vitrified sewer pipe, 6-in. diam., lineal feet.....	3,138	6,085	9,223
Number of inlets.....	112	232	344
Lumber, B. M.....	1,824	---	1,824
Stone blocks, new, square yards.....	9,652.5	29,445.5	39,098
Stone blocks, redressed and relaid, square yards.....	1,789.4	---	1,789.4
Bitulithic, square yards.....	73,296.3	120,552.1	193,848.4
Hassam, square yards.....	---	61,922.1	61,922.1

SUMMARY OF STREET WORK DONE DURING 1909, BY ORDINANCE—Continued.

	On West Side	On East Side	Total
Asphalt, square yards.....	39,710.3	60,312	100,022.3
Cement gutter, square yards.....	2,175.7	5,901.1	8,076.8
Vitrified brick, square yards.....	1,568.7	8,536.6	10,105.3
Concrete, square yards.....	2,527.6	.....	2,527.6
Lineal feet of roadway improved.....	42,155	247,070	289,225
Actual cost of improvement.....	\$396,206.63	\$1,605,206.62	\$2,001,413.25
Cost of street work under contract January 1, 1910, not accepted	\$614,889	\$1,630,850	\$2,245,739

SEWER WORK DONE DURING 1909

Number	Name of Sewer	Date of Estimate	Number of Ord.
1	Albina avenue	June 6, 1909	19862
2	Belmont street	December 19, 1908	18857
3	Brooklyn sewer district	May 31, 1906	15522
4	California street	November 5, 1908	18696
5	Commercial street	November 5, 1908	18699
6	Division street	September 24, 1908	18469
7	Everett street	February 27, 1909	19110
8	First street	April 2, 1909	19283
9	First street	March 11, 1909	19285
10	Fourteenth street	April 2, 1909	19365
11	Glisan street	March 30, 1909	19286
12	Glisan street	March 10, 1909	19282
13	Gantenbein avenue	June 15, 1909	19863
14	Irving street, East.....	December 7, 1909	19032
15	Klickitat street	November 5, 1909	18697
16	Klickitat street	April 13, 1909	18364
17	Maryland avenue	November 5, 1908	18698
18	Montana ave. and Prescott street..	March 11, 1908	19284
19	Montana ave. and Prescott street..	September 8, 1908	18550
20	Monroe street	October 5, 1908	18734
21	Overton street	February 20, 1909	19111
22	Seventh street, East.....	September 8, 1908	18551
23	Sherlock avenue	December 22, 1908	19033
24	Sandy boulevard	May 20, 1909	19556
25	Thirteenth street, East.....	November 30, 1908	18856
26	Thirtieth street, East.....	December 7, 1908	18858

SEWER WORK DONE DURING 1909—Continued

EXTENT OF SEWER

From 12 ft. n of s. line of Sumner st. to sewer in Albina at Alberta.
From e. line Sec. 6 to sewer in Belmont st. at E. 60th st.

From 50 ft. w. of w. line of Virginia st. to sewer in Macadam road.
From 400 ft. w. of n. line of Alberta to sewer in Alberta street.
From 100 ft. e. of e. line of E. 6th to low water line of Willamette river.
From center of E. 22d to sewer in 12th st.
From 100 ft. s. of s. line Bancroft ave. to sewer in Hamilton ave.
From 40 ft. s. of s. l. Gaines st. to sewer in 1st, bet. Lane and Alberta.
From 50 ft. n. of n. line of Knott to sewer in Klickitat.
From 190 ft. w. of w. line of 22d st. to sewer in 21st st.
From center of 15th st. to Tanner Creek sewer, near 11th st.
From 125 ft. n. of Stanton to sewer in Gantenbein ave. and Morris.
From center of E. 24th to sewer in E. 22d and E. Irving.
From 125 ft. e. of e. line of Union ave. to proposed sewer in E. 7th.
From 220 ft. e. of e. line of Union ave. to sewer in Union ave.
From 50 ft. s. of s. line of Blandena to sewer 50 ft. n. of n. line Prescott
Fm. c. Blandena to pt. in Prescott w'ly in Prescott to sewer in Missouri
Fm. 35 ft. s. of s. l. Blandena to pt. in Prescott, w'ly in Pres. to Mary'ld
From 125 ft. e. of e. line of Union ave. to proposed sewer in 7th st.
From 20 ft. e. of w. line of 27th to sewer in Overton st. 200 ft w. 25th.
Fm. 20 ft. n of n. l. Elise to sewer Thompson and 108 s. s. l. of Const'nc
Fm. n'ly ter. Sherlock ave. to sewer in Sherlock, 95 ft. s. of s. l. Nicolai.
From w. line of E. 28th st. to sewer in Oregon st.
From 50 ft. s. of s. line of Broadway to sewer in Multnomah st.
From 100 ft. s. of s. line of Sandy road to sewer in E. Glisan.

SEWER WORK DONE DURING 1909—Continued

Number	Name of Sewer	Lineal feet of Vitrified Sewer Pipe				
		6 Inches	8 Inches	10 Inches	12 Inches	14 Inches
1	Albina avenue	352	460			
2	Belmont street	68		542		
3	Brooklyn sewer district	936	1214	34	18	12
4	California street		170	278	314	
5	Commercial street		394			
6	Division street		184	12	2	
7	Everett street		780	520	1040	1270
8	First street	212	430			
9	First street	28	282			
10	Fourteenth street	870	446	582	574	
11	Glisan street		884			
12	Glisan street	392	80	504	440	
13	Gantenbein avenue	108	184			
14	Irving street, East	80	478			
15	Klickitat street		400			
16	Klickitat street		228			
17	Maryland avenue		378			
18	Montana ave. and Prescott street ..		632			
19	Montana ave. and Prescott street ..		645			
20	Monroe street		592			
21	Oventon street	230	32	492	268	
22	Seventh street, East		742		989	1646
23	Sherlock avenue	176		981		
24	Sandy boulevard	307	3			
25	Thirteenth street, East	912	412	766		
26	Thirtieth street, East	72	8	392	720	
		4743	10420	5053	4365	2928

SEWER WORK DONE DURING 1909—Continued

Lineal feet of Vitrified Sewer Pipe					Number of Y Branches Diameter in Inches				
16 Inches	18 Inches	20 Inches	22 Inches	24 Inches	6 x 6	8 x 6	10 x 6	12 x 6	14 x 6
					16	16			
							26		
30	6	14		48		4	14	8	
						18			
	590	558							
					12	12			
						12			
					39	12	14	13	
							12	8	
					7	7			
						22			
						18			
						6			
						8			
						28			
						20			
						24			
					16		14	6	
						15		29	27
							44		
						13			
					36	14	22		
							19	24	
30	596	572		48	126	259	165	88	27

SEWER WORK DONE DURING 1909—Continued

Number	Name of Sewer	Number of Y Branches Diameter in Inches				
		16 x 6	18 x 6	20 x 6	22 x 6	24 x 6
1	Albina avenue					
2	Belmont street					
3	Brooklyn sewer district					
4	California street					
5	Commercial street					
6	Division street		20	10		
7	Everett street					
8	First street					
9	First street					
10	Fourteenth street					
11	Glisan street					
12	Glisan street					
13	Gantenbein avenue					
14	Irving street, East					
15	Klickitat street					
16	Klickitat street					
17	Maryland avenue					
18	Montana ave. and Prescott street ..					
19	Montana ave. and Prescott street ..					
20	Monroe street					
21	Overton street					
22	Seventh street, East					
23	Sherlock avenue					
24	Sandy boulevard					
25	Thirteenth street, East					
26	Thirtieth street, East					
			20	10		

SEWER WORK DONE DURING 1909 -Continued

[illegible]

SEWER WORK DONE DURING 1909—Continued

Number	Name of Sewer	Circular Brick and Stone Sewer				
		5' 8"	5' 6"	5' 4"	5' 2"	4' 10"
1	Albina avenue					
2	Belmont street					
3	Brooklyn sewer district	460	825	969	1104.25	780
4	California street					
5	Commercial street					
6	Division street					
7	Everett street					
8	First street					
9	First street					
10	Fourteenth street					
11	Glisan street					
12	Glisan street					
13	Gantenbein avenue					
14	Irving street, East					
15	Klickitat street					
16	Klickitat street					
17	Maryland avenue					
18	Montana ave. and Prescott street ..					
19	Montana ave. and Prescott street ..					
20	Monroe street					
21	Overton street					
22	Seventh street, East					
23	Sherlock avenue					
24	Sandy boulevard					
25	Thirteenth street, East					
26	Thirtieth street, East					

SEWER WORK DONE DURING 1909—Continued

Circular Brick and Stone Sewer			Manholes		Cubic Yards Excava- tion and Refilling	Lineal Feet of Sewer	Cost of Sewer
4' 8"	4' 6"	3' 8"	Comb. and C. B.	Com- plete			
				2	570.0	876.0	\$ 631 40
					387.0	662.0	707 55
1164.5	792.3	520	25		89365.9	16223.1	284,053 75
			2	1	546.6	814.0	381 95
				1	2780.0	430.0	977 00
					1979.0	1406.0	3631 80
				7	3588.4	3610.0	5310 80
			1		451.0	690.0	656 40
				1	152.0	334.0	350 60
				4	2006.0	2578.0	386 40
				2	723.0	884.0	845 35
				2	1362.0	1456.0	1577 25
				1	210.0	320.0	278 10
				2	318.0	602.0	568 80
			1	1	186.0	436.0	411 30
				1	115.0	242.0	208 75
			1		235.0	414.0	394 30
			1	2	543.0	690.0	785 35
			2		350.0	685.0	666 45
			1	1	334.0	640.0	585 00
			2	1	912.0	1094.0	1298 25
				6	3406.0	3519.0	3516 70
				5	754.0	1245.0	1314 25
				2	453.0	707.0	558 00
				4	1208.0	2234.0	1934 00
				4	738.0	1280.0	1396 70
			40	52	893659.3	440711.0	\$313426 20

DIFFERENT SIZES OF SEWER BUILT IN CITY AND LENGTH OF SAME

Size of Sewer Circular Brick	1875 to 1908	1909	Total to Date
10 feet		3229 50	3229 50
9 feet 10 inches		1020 66	1020 66
9 feet 8 inches		833 04	833 04
7 feet 6 inches		741 70	741 70
84 inches	1560 00	408 45	1968 45
82 inches	260 00		260 00
80 inches	2147 00		2147 00
78 inches	162 00		162 00
76 inches	1600 00		1600 00
74 inches	140 00		140 00
72 inches	5621 00	1062 70	6683 70
68 inches		460 00	460 00
66 inches	1096 00	825 00	1921 00
64 inches		969 00	969 00
62 inches	1417 00	1104 25	2521 25
60 inches	1446 00		1446 00
58 inches		780 00	780 00
56 inches	1160 00	1164 50	2324 50
54 inches	930 00	792 30	1722 30
52 inches	1614 00		1614 00
50 inches	359 00		359 00
48 inches	3402 00		3402 00
46 inches	2653 00		2653 00
44 inches	710 00	520 00	1230 00
42 inches	3402 00		3402 00
40 inches	3469 00		3469 00
38 inches	1105 00		1105 00
36 inches	5017 00		5017 00
34 inches	2397 00		2397 00
32 inches	2259 00		2259 00
30 inches	3026 40		3026 40
28 inches	750 00		750 00
24 inches	4089 00		4089 00
96 x 66 inches Oval Sewer	2147 00		2147 00
96 x 64 inches	1815 00		1815 00
88 x 59 inches	1828 00		1828 00
60 x 84 inches	3984 00		3984 00
54 x 81 inches	3678 00		3678 00
49 x 73 1/2 inches	3760 00		3760 00
48 x 72 inches	3079 00		3079 00

DIFFERENT SIZES OF SEWER BUILT IN CITY AND LENGTH OF SAME—Continued

Size of Sewer Circular Brick	1875 to 1908	1909	Total to Date
44 x 66 inches	3762 00		3762 00
40 x 60 inches	4298 00		4298 00
39 x 59 inches	698 00		698 00
30 x 45 inches	2504 00		2504 00
34 x 51 inches	510 00		510 00
28 x 42 inches	1806 00		1806 00
24 x 36 inches	1527 00		1527 00
29 x 44 inches	964 00		964 00
36 x 48 inches Wooden Sewer	1220 00		1220 00
24 x 24 inches	727 00		727 00
24 inch Sewer Pipe	24540 00	48 00	24588 00
22 inches	11862 00		11862 00
20 inches	12379 00	592 00	12971 00
18 inches	17881 00	636 00	18517 00
16 inches	39212 00	30 00	39242 00
15 inches	20144 00		20144 00
14 inches	80800 00	2982 00	83782 00
12 inches	214276 00	4543 00	218819 00
10 inches	176452 00	5385 00	181837 00
9 inches	45034 00		45034 00
8 inches	199314 00	10949 00	210263 00
6 inches	22060 00	4995 00	27055 00
Total	954,052 40	44,071 10	998,123 50

REPORT OF CITY RIGHT-OF-WAY AGENT.

Deeds of Dedication to Public.

August 14, 1909—John Johnson and wife, Brooklyn street, between East Nineteenth and East Twentieth.

August 14, 1909—C. W. Weir and wife, Brooklyn street, between East Nineteenth and East Twentieth.

October 20, 1909—W. E. Chase and wife, East Burnside, between East Fifty-fifth and East Sixtieth.

October 20, 1909—George W. Olive and wife, East Burnside, between East Fifty-fifth and East Sixtieth.

October 29, 1909—J. G. Schroeder and wife, East Burnside, between East Fifty-fifth and East Sixtieth.

October 28, 1909—Mrs. Sarah Byrne, East Nineteenth, between East Davis and East Everett.

November 29, 1909—J. W. Howell and wife, East Lincoln, between East Thirty-fourth and Glenn avenue.

November 30, 1909—Charles L. Brubaker and wife, East Lincoln, between East Thirty-fourth and Glenn avenue.

December 30, 1909—Richard Price and wife, East Thirty-ninth, between Hawthorne and Division.

December 31, 1909—Rufus Mallory and wife, East Thirty-ninth, between Hawthorne and Division.

Sewer Right of Way to Public.

August 16, 1909—Richard Price and wife, N. branch Brooklyn, between East Thirty-ninth and East Fortieth.

September 14, 1909—John H. Montgomery and wife, N. branch Brooklyn, between East Fortieth and East Forty-first.

September 14, 1909—Martin Sickinger and wife, N. branch Brooklyn, between East Fortieth and East Forty-first.

August 20, 1909—Rufus Mallory and wife, N. branch Brooklyn, between East Thirty-ninth and East Forty-fourth.

August 18, 1909—W. E. Griffeth and wife, N. branch Brooklyn, between East Forty-third and East Forty-fourth.

August 18, 1909—A. Holmquest and wife, N. branch Brooklyn, between East Forty-fourth and East Forty-fifth.

August 30, 1909—J. C. Robinson and wife, N. branch Brooklyn, between East Forty-fourth and East Forty-fifth.

August 18, 1909—T. B. Richardson and wife, N. branch Brooklyn, between East Forty-fifth and East Forty-sixth.

September 1, 1909—George J. Shafer and wife, N. branch Brooklyn, between East Forty-sixth and East Forty-seventh.

August 19, 1909—Arnt. Jorstad and wife, N. branch Brooklyn, between East Forty-sixth and East Forty-seventh.

August 27, 1909—Helen M. Failing, N. branch Brooklyn, between East Forty-seventh and East Forty-ninth.

September 1, 1909—Thomas Darling and wife, N. branch Brooklyn, between East Fiftieth and East Fifty-first.

September 29, 1909—A. M. Forrest and wife, N. branch Brooklyn, between East Fifty-first and East Fifty-second.

August 28, 1909—Maria L. Myrick, N. branch Brooklyn, between East Fifty-second and East Fifty-fourth.

September 18, 1909—Charles Scadding, Bishop of Oregon, N. branch Brooklyn, between East Fifty-second and East Fifty-fourth.

August 28, 1909—Mrs. Jane E. Patterson, N. branch Brooklyn, between East Fifty-fourth and East Fifty-sixth.

August 31, 1909—P. S. Malcolm and wife, N. branch Brooklyn, between East Fifty-fourth and East Fifty-sixth.

September 15, 1909—Richard Nixon and wife, N. branch Brooklyn, between East Fifty-fourth and East Fifty-sixth.

November 8, 1909—Henry Beedinstein, N. branch Brooklyn, between East Grant and East Forty-eighth.

August 31, 1909—Frank Glick and wife, Woods street gulch, between First and Second streets.

September 13, 1909—W. M. Gregory, Woods street gulch, between First and Second streets.

August 31, 1909—N. Schnitzer and wife, Woods street gulch, between Second and Third streets.

September 25, 1909—Oregon & California R. R. Co., Woods street gulch, between Second and Third streets.

November 24, 1909—C. Smith and wife, Woods street gulch, between Second and Third streets.

October 4, 1909—E. L. Cooper and wife, Powell Valley street branch, between Karl and Franklin.

October 4, 1909—Mrs. Rose A. Hawkes, Powell Valley street branch, between Karl and Franklin.

September 22, 1909—Joseph M. Healey and Balfour-Guthrie Co., Rhine street branch, between East Twenty-eighth and East Thirty-third.

September 21, 1909—G. S. Allen and wife, Rhine street branch, between East Twenty-eighth and East Twenty-ninth.

September 29, 1909—A. Schweitzer and wife, Rhine street branch, between Rhine and Franklin.

November 13, 1909—W. B. Keefer and wife, Holgate street branch, between East Thirty-third and East Thirty-fourth.

December 22, 1909—Dr. A. Kelly and wife, Holgate street branch, between East Thirty-fourth and East Thirty-fifth.

November 8, 1909—P. W. Britt, Holgate street branch, between East Thirty-sixth and East Thirty-seventh.

November 15, 1909—J. Louise Shafer, Holgate street branch, between East Thirty-seventh and East Thirty-ninth.

September 2, 1909—Oregon & California R. R. Co., Stevens gulch branch, between East Third and East Ninth.

October 8, 1909—Sanitarium Co., Mt. Tabor branch, between East Sixty-third and East Sixty-seventh.

October 29, 1909—School Board, District No. 1, Richmond school grounds, between East Forty-first and East Forty-second.

August 25, 1909—Charles W. Allen, Sunnyside branch, between East Salmon and East Taylor.

December 10—Emily Clute, Sunnyside branch, between East Taylor and East Yamhill.

December 30, 1909—A. D. Charlton and wife, Sunnyside branch, between East Salmon and East Yamhill.

WAIVERS AND AGREEMENTS.

In addition to the foregoing I have obtained waivers and agreements for,

Widening East Fifteenth street, between Knott and Siskiyou streets.

Improvement of Grand avenue, between the south line of Stark street to 113 feet north of the north line of East Oak street.

Cement corners and crosswalks on Willamette boulevard at its intersection with Gay street.

Investigated and reported on electric lights and Twenty-sixth and Northrup streets, Belmont and East Seventh street, Prescott and East Sixteenth streets.

Also have under way and partially completed the following:

Dedication plat of Cactus drive, on Cedar Hill, with the signatures of ten or more parties, and am awaiting the recovery of Dr. Giesy from a long spell of sickness, for he and his wife to sign and complete same.

Prepared four deeds and one sewer right of way for septic tanks on Council Crest.

Called on twelve parties, notifying them to put sewer, water and gas mains and leads in proper condition for the completion of the improvement of North Twelfth street, between Hoyt and Quimby streets.

Started a delayed improvement of East Yamhill street, between East Forty-second and East Forty-fifth streets.

Looked up the title to and placed upon the city record the dedication of East Fiftieth street, between Belmont and East Taylor streets.

Have done a large amount of work upon opening, extension and widening of the following streets: East Madison, East Main, East Salmon, East Taylor, East Yamhill, East Forty-second, East Forty-seventh and East Forty-ninth, all in the Sunnyside district.

Webster street, Sumner street, Roselawn street and Emerson street, in Vernon district.

Vacation of plats of town of Wayne and subdivision of lots 5 and 10 of same, and replatting them with some adjacent lands.

Opening platting and dedicating East Nineteenth street and tract of land between Clinton and Division streets; widening East Thirty-third street, between Oregon street and Sandy road, and opening Oregon street between East Thirty-first and East Thirty-third streets.

Sewer right of way through O. W. P. yards, from East Third and Harrison streets to river, in controversy with Water Board on account of Bull Run pipe line.

Opening East Grant street, between East Thirty-fourth street and Glenn avenue; opening Glenn avenue from East Grant and East Sherman streets to Division street and platting land on both sides thereof.

Have arrangements completed with the Portland, Railway, Light and Power Company for the dedication of about ten pieces of lots where they have found it necessary for their tracks to occupy private property.

I have under way a large number of sewer rights of way, which, for various reasons, I have not been able to bring to completion at this time, but all of which will be completed early in next year.

STATEMENT SHOWING THE AVERAGE RESULTS OF TESTS OF PORTLAND CEMENT: 1909

BRAND	Num- ber of tests	Fineness P. C. through		Time of set	
		No. 100	No. 200	Initial	Final
Alsen	2	92.5	79.0	1 h 45 m	4 h 59 m
Anna	1	92.8	79.2	2 h 00 m	5 h 40 m
Budenheim	1	91.6	79.6	2 h 40 m	5 h 10 m
Chain	4	91.9	79.0	2 h 33 m	6 h 17 m
Dragon	1	91.8	77.6	1 h 28 m	4 h 46 m
Falcon	1	92.0	79.6	2 h 40 m	7 h 05 m
Fortification	1	92.0	79.0	3 h 52 m	6 h 40 m
Gibbs	1	99.0	93.8	1 h 50 m	4 h 30 m
Gillingham	1	96.3	85.3	1 h 28 m	3 h 33 m
Golden Gate	14	95.5	80.7	2 h 45 m	6 h 04 m
Heidelberg	1	95.8	87.8	2 h 26 m	4 h 54 m
Iola	1	91.8	79.4	2 h 50 m	5 h 50 m
Josson	4	93.4	79.2	2 h 57 m	6 h 28 m
K. B. & S.	2	98.6	89.6	2 h 15 m	5 h 08 m
Mount Diablo	8	92.5	77.5	2 h 19 m	5 h 22 m
North's Condor	3	93.7	82.4	2 h 20 m	6 h 34 m
Red Devil	1	93.2	77.6	2 h 25 m	6 h 10 m
Santa Cruz	20	97.6	87.4	2 h 37 m	5 h 46 m
Standard	8	97.5	88.2	3 h 12 m	6 h 45 m
Stronghold	10	92.5	81.6	2 h 52 m	6 h 05 m
Superior	4	97.1	85.3	2 h 48 m	6 h 25 m
Vise	4	86.9	72.1	2 h 24 m	5 h 16 m
Washington	1	98.0	89.2	2 h 26 m	5 h 05 m
Western States	1	96.0	83.2	2 h 55 m	5 h 46 m
J. B. White & Bros	2	98.7	91.5	2 h 43 m	5 h 26 m

STATEMENT SHOWING THE AVERAGE RESULTS OF TESTS OF PORTLAND CEMENT: 1909—Con.

BRAND	Average tensile strength in pounds per square inch					Accelerated test 5 hours Steam	
	Neat Cement			1 Cement: 3 Sand			
	24 Hours	7 Days	28 Days	7 Days	28 Days		3 Months
Alsen	319	519	597	256	332	407	OK
Anna	372	700	756	274	363	425	OK
Budenheim	389	613	648	273	356	504	OK
Chain	383	536	594	262	331	400	OK
Dragon	216	504	593	239	296	371	OK
Falcon	285	698	710	255	339	384	OK
Fortification	277	469	552	202	280	368	OK
Gibbs	217	696	723	245	380	454	OK
Gillingham	409	540	573	241	311	---	OK
Golden Gate	213	677	827	230	393	411	OK
Heidelberg	330	621	668	298	390	443	OK
Iola	361	802	857	294	428	469	OK
Josson	279	524	589	216	320	406	OK
K. B. & S.	203	509	604	215	313	420	OK
Mount Diablo	417	717	764	304	416	452	OK
North's Condor	225	554	643	259	342	382	OK
Red Devil	344	708	779	289	400	441	OK
Santa Cruz	388	791	798	317	445	510	OK
Standard	274	642	717	251	355	417	OK
Stronghold	323	511	579	207	292	377	OK
Superior	186	612	737	240	347	435	OK
Vise	167	504	624	182	267	324	OK
Washington	246	780	841	240	406	457	OK
Western States	294	818	911	262	402	429	OK
J. B. White & Bros.	184	554	564	253	365	445	OK

BLUE PRINT REPORT

MONTH	City Engineer	Water Dept.	Park Dept.	County Assessor	Miscellaneous
August	553	17	19	8	14
September	555	64	8	3	-----
October	1027	340	47	97	-----
November	710	578	17	-----	-----
December	987	51	5	28	-----
Total, ----	3832	1048	96	136	14
Total number of prints					5,126
Orders on file					-----
{ City Engineers' Office					49
{ Water Department					185
{ County Assessor					79

LINEAL FEET OF OLD PLANK WALK POSTED DURING YEAR ENDING DECEMBER 31, 1909

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5247	12525	3330	8049	5030	4230	4720	8049	5565	12165	8065	1300

Making a grand total for the year of 78275.

Lineal feet of new walk built during year 1909: 9360.

TABULATED STATEMENT OF CEMENT SIDEWALKS LAID DURING THE YEAR 1909,
BY VIRTUE OF PERMIT.

MONTH	WEST SIDE			EAST SIDE		
	Permits Granted		Permits Accepted	Permits Granted		Permits Accepted
	Number	Lineal Feet		Number	Lineal Feet	
January	13	1510.0	1	21	2597.6	7
February	28	3022.4	7	61	9773.8	19
March	55	4868.6	18	118	13847.5	33
April	61	6728.0	26	132	9900.8	56
May	51	5383.6	23	94	41708.7	42
June	69	6024.0	11	66	8280.6	16
July	37	3681.9	35	108	13287.5	37
August	31	3261.6	14	88	7857.8	51
September	27	2201.0	3	111	17550.0	42
October	38	4573.6	15	119	14369.4	53
November	21	1560.0	9	41	4501.8	45
December	18	1350.0	5	45	3500.0	17
Total	449	44164.1	167	1004	147174.5	418
Total permits granted (East and West Sides) ----- 1453						
Total permits accepted (East and West Sides) ----- 585						
Total lineal feet granted (East and West Sides) ----- 191338.6						
Total lineal feet accepted (East and West Sides) ----- 68937.4						
Total lineal feet granted but not accepted ----- 122401.2						

GENERAL FUND

MONTH	Office Salaries	Salaries of Engineers, Transitmen and Chauffeurs	Amount paid Draughtsman	Amount paid Computers	Amount paid for Inspection of Work	Amount paid Sewer Repairers	Amount paid for Maintenance of Teams and Auto
January	\$ 810 00	\$ 3300 00	\$ 660 00	\$ 925 00	\$ 1105 50	\$ 965 83	\$ 100 94
February	865 71	3429 46	660 00	925 00	1550 21	1162 50	86 50
March	870 00	3585 48	661 43	925 00	1818 50	1102 34	84 32
April	870 00	3775 00	660 00	925 00	2108 00	1075 00	97 88
May	870 00	3732 66	670 00	925 00	2441 50	1195 00	41 85
June	870 00	3350 43	628 33	971 67	2451 33	1185 00	117 73
July	870 00	3424 90	620 84	1023 40	2906 67	1190 40	198 59
August	1014 36	3571 79	773 71	1025 00	2904 50	1126 94	67 63
September	1070 00	3427 50	745 00	1008 33	2844 50	1000 00	241 00
October	1070 00	3862 00	835 00	1015 00	2862 50	1000 00	127 09
November	1070 00	3725 00	986 73	1024 00	2311 00	1000 00	43 50
December	1070 00	3810 41	1067 90	1181 83	2108 00	949 19	53 95
Total, -----	\$ 11320 07	\$ 43394 77	\$ 8969 06	\$ 11874 33	\$ 27212 21	\$ 12952 20	\$ 1261 48

GENERAL FUND—Continued.

MONTH	Amount paid for Office Supplies and Printing	Amount paid for Material for Sewer Repair Work	Amount paid for Cement Testing Supplies	Amount paid for Recording Plats of Street Extensions and Openings	Miscellaneous—Transportation, Work on Parks and Driveways	TOTALS,
January	\$ 132 40	\$ 269 38	-----	\$ 27 10	\$ 83 54	\$ 8379 69
February	447 18	152 25	-----	32 00	75 00	9385 81
March	486 09	506 74	10 29	54 00	75 00	10179 71
April	137 86	146 28	-----	-----	345 00	10140 02
May	943 87	412 80	28 72	82 35	75 00	11418 75
June	350 62	302 38	216 73	-----	522 19	10966 41
July	496 68	358 82	180 10	-----	242 36	11512 26
August	348 94	203 27	17 74	43 40	150 00	11246 28
September	735 17	257 47	23 25	86 10	-----	11838 32
October	428 61	429 54	1 95	42 30	-----	11472 13
November	436 35	314 45	62 00	20 75	-----	10913 08
December	544 20	115 03	-----	-----	-----	10921 98
Total, -----	\$ 5487 92	\$ 3467 91	\$ 479 40	\$ 348 00	\$ 1568 09	\$ 128335 44

STREET REPAIR FUND

1909	Salary of One Survey Party	Salary of Clerk and Six Inspectors	Amount paid Bridge Carpenters	Amount paid Street Repairers	Amount paid Side-walk Crew	Amount paid Trac-tion Engineers	Amount paid for Team Hire	Amount paid for Fuel, Oil and Repairs for Rollers
January	\$ 475 00	\$ 475 00	\$ 455 25	\$ 1212 50	\$ 183 75	\$ 238 68	\$ 237 50	\$ 190 71
February	475 00	538 75	493 00	1607 50	278 77	407 70	380 00	246 54
March	499 19	560 00	482 00	1633 75	350 64	405 30	255 00	304 62
April	550 00	560 00	572 00	1600 00	498 75	418 50	530 00	255 71
May	450 00	560 98	594 50	1592 50	390 00	443 25	405 00	292 81
June	550 00	760 00	588 01	1568 75	385 00	546 75	350 50	418 92
July	550 00	760 00	590 50	1507 50	408 13	646 20	306 00	278 65
August	513 71	760 00	617 50	1312 50	381 25	553 50	593 50	476 48
September	555 00	760 00	568 50	1532 50	441 25	575 33	425 00	301 33
October	489 52	760 00	572 00	1572 50	395 90	563 18	390 00	280 72
November	475 00	760 00	572 00	1907 50	400 63	490 05	467 10	187 74
December	550 00	760 00	541 50	2103 75	436 25	378 00	384 44	83 01
Total, -----	\$6132 42	\$8014 73	\$6046 76	\$ 19151 25	\$4550 32	\$5726 44	\$4704 04	\$ 3317 24

STREET REPAIR FUND—Continued.

1909	Amount paid for Ma-terials for Cross-walks and Gutters	Amount paid for Ma-terials for Repairs of Roadways	Amount paid for Ma-terials for construct-ing Sidewalks order-ed by Executive Board.	Amount paid for main-tenance and Repairs of Hard Surface Pavements	Amount paid for Tools, Nails, Hard-ware, etc.	Miscellaneous, trans-portion, Horses, Buggy, 1 Roller, Wall on East Stark St.	Total
January	\$ 149 62	\$ 2530 25	\$ 154 48	\$ 324 61	\$ 27 14	\$ ---	\$ 6654 49
February	619 96	3115 86	234 25	638 94	41 40	75 00	9132 67
March	534 75	3964 87	236 69	2924 24	169 42	75 00	12455 47
April	325 85	1485 94	508 75	1073 53	21 50	75 00	8425 53
May	331 36	1294 69	700 29	138 21	15 23	300 00	7508 82
June	230 26	1123 63	498 30	2731 85	182 30	285 00	10219 32
July	19 65	664 28	522 60	3341 91	31 48	75 00	6359 99
August	204 33	644 30	506 10	2847 29	29 42	3150 00	13083 50
September	400 63	1126 63	665 52	2847 29	132 57	200 00	10331 55
October	663 31	330 74	537 60	584 39	60 87	200 00	7401 73
November	856 05	630 88	35 40	811 70	88 40	200 00	7902 45
December	353 18	1200 53	230 30	1510 16	271 55	---	8802 72
Total, -----	\$ 4689 95	\$ 18082 70	\$ 4830 28	\$ 16926 83	\$ 1070 28	\$ 4435 00	\$ 108278 24

LIST OF PROPERTY IN CHARGE OF THE CITY ENGINEER'S DEPARTMENT, DECEMBER 31, 1909.

Furniture and Supplies.

Five roll-top desks, 11 flat-top desks, 4 small desks, 10 draughting tables, 14 map and record cases, 2 wardrobes, 12 filing cabinets, 10 office chairs, 32 chairs, 9 stools, 2 typewriters, desks and chairs, 14 waste baskets, 3 umbrella holders, 8 instrument lockers, 10 desk lights and shades, 14 cuspidors, 2 small stepladders, 1 hanging light and shade, 3 tables, 1 bookcase, 1 antique piece, records, permit books, blanks and office stationery, 1 reference library of 54 volumes, 1 thermometer.

Surveying and Drawing Instruments and Cement-Testing Apparatus.

Eleven transits, 11 level rods, 7 100-foot steel tapes, 14 50-foot steel tapes, 1 50-foot cloth tape, 12 axes, 1 hand ax, 36 plumb-bobs, 5 assorted triangles, 8 scales, 2 brush hooks, 1 straight edge, 2 T squares, 1 paper protractor, 1 drawing instrument, 1 adding machine and stand, 1 planimeter, 2 pair scissors, 1 pencil sharpener, Challenge eyelet press, 5 12-inch rulers, 3 10-inch slide rules, 1 20-inch slide rule, 3 ruling pens, 8 steel erasers, 1 beam compass, 2 caisings, 1 wall map, 1 Fineness scale, 1 gram scale, 1 Avord scale, 1 percentage scale, 48 briquette glasses, 1 Le Chatehars Sp. G. bottle, 1 dessicator, 2 evaporating dishes, 72 glass jars, 1 cement sampler, 2 cement testing machines, 1 Riehle boiling apparatus, 1 vicat needle, 2 glass funnels, 1 beaker, 2 measuring flasks, 2 buckets, 8 sieves, 4 trowels, 1 damp closet, 1 mixing table, 1 standard thermometer, 600 pounds testing sand, 24 briquette moulds, 1 hammer, 1 storage tank, 1 Revolute blue print machine, 1 tank, 1 table.

Tools and Equipment for General Repair Work.

Four steam road rollers, 1 gasoline road roller, 2 horse road rollers, 5 horses and halters, 1 platform spring wagon, 2 buggies, 4 sets single harness, 1 horse clipper, 1 horse blanket, 3 tool boxes, 11 wheelbarrows, 14 jackscrews, 2 jackbars, 6 crosscut saws, 9 one-man saws, 11 top malls, 6 peavies, 1 spirit level, 2 squares, 2 double blocks, 4 single blocks, 261 feet fire hose, 2 grindstones, 1 pitchfork, 2 curry-

combs, 2 brushes, 3 sledgehammers, 24 lanterns, white, 9 lanterns, red, 13 axes, 1 drawbar, 44 picks, 55 shovels, 2 hose, 1 long-spoon shovel, 3 tile spades, 2 mattocks, 8 pinchbars, 6 hand axes, 4 clawhammers, 2 hand trucks, 1 scraper slip, 2 oil cans, 2 sprinkler wagons, 3 wheel tool boxes, 1,055 feet rope, 300 feet $\frac{1}{2}$ -inch hose, 1 buggy robe, 5 iron rakes, 2 saw sets, 1 adz, 4 buckets, 2 canvas covers, 3 tamps, 6 expansion irons, 4 trowels, 1 sidewalk stencil, 1 plane, 4 side irons, 1 jointer, 1 5-foot radius iron, 1 3-foot radius iron, 100 feet curb forms, 100 feet 2x4 joist, 2 crowbars, 5 telephone scoops, 4 drag hooks, 1 chisel bar, 2 galvanized oil cans, 250 feet of sewer rods, 2 windlasses, 4 ax handles, 6 hammer handles, 2 concrete gads, 4 cold chisels, 1 blower, 1 hand pump, 9 lantern globes, 2 saw clamps, 1 pavement cutter, 1 screw, 1 gauge, 1 root cutter, 1 wagon, 8 new grates, 2 manhole covers, 1 mortar box, 1,000 feet lumber, 2 timber dollies, 3 wrenches, 4 chains, 10 augers, 32 staging bolts, 1 metallic tape, 3 drills, 1 wood rasp.

ANNUAL REPORT

—OF—

City Attorney

Portland, Oregon, January, 1910.

To the Honorable Joseph Simon, Mayor, and Members of the Council of the City of Portland, Oregon.

Gentlemen: I hereby submit the annual report of the City Attorney's Department of the City of Portland for the year ending December 31, 1909.

During the year 1909 there were rendered by the City Attorney to the different departments of the city 214 formal written opinions, and during said time the City Attorney has written 423 other official communications.

SUITS AND ACTIONS PENDING IN THE CIRCUIT COURT OF THE STATE OF OREGON, FOR THE COUNTY OF MULTNOMAH.

Oregon Real Estate Co.

vs.

City of Portland.

Suit to enjoin collection of assessment for improvement of Clackamas street.

B. W. Fisher

vs.

City of Portland.

Writ of review of proceedings of Council for the improvement of Front street. Return filed.

J. O. Spencer

vs.

City of Portland.

Writ of review of proceedings of Council for the improvement of Mississippi avenue. Argued and submitted. Under advisement.

The Espey Estate Co.

vs.

City of Portland.

Suit to restrain city from laying sidewalk. Pending.

Owen Taylor et al.

vs.

City of Portland.

Writ of review of proceeding of the Council for the improvement of Dekum avenue from Piedmont Park to Columbia Heights.

Carbolineum Wood Preserving Co.

vs.

City of Portland.

Action to recover on warrant for improvement of Albina avenue. Answer of city filed.

Investment Company

vs.

City of Portland.

Suit to restrain award of contract for the improvement of Cleveland avenue. Demurrer sustained.

J. P. Moffett

vs.

A. L. Barbur and J. E. Werlein.

Suit to enjoin defendants from paying Joseph Day and others for services in Police Department. Pending on demurrer.

Joseph Day

vs.

City of Portland.

Suit to enjoin Police Committee from reducing rank of officials. Injunction issued.

City of Portland

vs.

Investment Company.

Appeal from report of viewers; extension of Jessup street. On trial docket.

City of Portland

vs.

S. and Rebecca Hochfield.

Appeal from reassessment for the improvement of East Oak street. Trial docket.

The Espey Estate Company

vs.

City of Portland.

Suit to enjoin collection of assessment for Tanner Creek sewer.

L. O. Ralston

vs.

City of Portland.

Suit to quiet title. Argued and submitted. Under advisement.

People's Market Association

vs.

City of Portland.

Suit to restrain the revocation of franchise on Market block. Answer of city filed.

Belle C. Preston

vs.

City of Portland.

Suit to recover on warrants. Answer of city filed.

City of Portland

vs.

George West.

Appeal from reassessment for the improvement of Grand avenue. Argued and submitted. Under advisement.

Ellis G. Hughes

vs.

City of Portland.

Suit to restrain extension of Irvington sewer. Pending on motion. Plaintiff deceased.

W. A. Schooling

vs.

City of Portland.

Application for injunction to restrain the annexation of Mount Scott district to the City of Portland. Injunction refused.

Pacific Bridge Company

vs.

Joseph Simon, Mayor.

Writ of mandamus to compel signing of warrant. Answer of city filed.

Coast Investment Company

vs.

City of Portland.

Appeal from report of viewers for extension of Thompson street. Trial docket.

City of Portland

vs.

John Clark.

Appeal from report of viewers. Extension of Oak street. Set for trial.

City of Portland

vs.

Chas. K. Henry et al.

Appeal from report of viewers. Extension of Oak street. Trial docket.

City of Portland

vs.

W. A. Grondahl et al.

Condemnation proceedings to condemn land for park purposes. Set for trial.

City of Portland

vs.

Louise D. Burkhardt.

Appeal from report of viewers. Extension of Oak street. Trial docket.

City of Portland

vs.

Maria L. Flanders et al.

Proceeding to condemn land for Broadway bridge approach.
Pending on demurrer to complaint.

City of Portland

vs.

V. H. Brown et al.

Set for trial. (Tried since December 31, 1909. Verdict \$10,754.33).

City of Portland

vs.

Margaret S. Ainsworth.

Appeal from report of viewers. Extension of Oak street. Trial docket.

City of Portland

vs.

P. S. Hanson et al.

Proceedings to condemn land for park purposes. Set for trial.

City of Portland

vs.

Wm. Hayhurst.

Suit to correct error in deed. Set for trial. (Dismissed since December 31, 1909.)

Frank Kiernan

vs.

City of Portland.

Action to restrain issuance of bonds for proposed Broadway bridge. Pending on demurrer to complaint.

Joseph Buchtel

vs.

City of Portland.

Suit to enjoin the issuance of bonds for the proposed Broadway bridge. Pending on demurrer to the complaint.

City of Portland

vs.

John McLeon et al.

Appeal from report of viewers; extension of Killingsworth avenue. Trial docket.

City of Portland

vs.

E. J. Chamboreau et al.

Suit by city to compel defendants to interplead in the matter of the assignment of a certain warrant. (Decree for city since December 31, 1909.)

City of Portland

vs.

Herman Baumhoer.

Appeal from report of viewers; extension of East Eleventh street. Trial docket.

City of Portland

vs.

Katherine A. Daly.

Appeal from report of viewers; extension of Alder street. Set for trial.

W. J. Cook et al.

vs.

City of Portland.

Suit to restrain collection of assessment for improvement of Killingsworth avenue. Pending on demurrer to complaint.

City of Portland

vs.

Emily H. Hume et al.

Appeal from report of viewers; extension of Alder street. Set for trial.

Fritz Kenecht

vs.

City of Portland et al.

Suit to quiet title. Pending on demurrer to complaint.

City of Portland

vs.

David and Anna Brown.

Appeal from reassessment for improvement of Albina avenue.
Trial docket.

J. F. Reising

vs.

City of Portland.

Action to recover claim for services as detective in Police Department. Complaint filed.

City of Portland

vs.

Odd Fellows Hall Association.

Appeal from report of viewers; extension of Alder street. Trial docket.

Francis I. McKenna

vs.

City of Portland.

Suit to determine width of certain streets. Set for trial.

Portland Cordage Co.

vs.

City of Portland.

Suit to restrain the collection of assessment for Tanner Creek sewer. Set for trial.

A. S. Nichols

vs.

City of Portland.

Review of proceedings for improvement of Union avenue. Awaiting decision in another case.

CASES DISPOSED OF DURING 1909, IN THE CIRCUIT COURT
OF THE STATE OF OREGON, FOR THE
COUNTY OF MULTNOMAH.

George H. Cook

vs.

City of Portland.

Review of proceedings for the improvement of Karl street. Proceedings quashed. Reassessment proceedings instituted.

Joseph Eder

vs.

City of Portland.

Review of proceedings of Council for the improvement of Hooker street. Proceedings quashed. Reassessment proceedings instituted.

C. W. Nottingham & Co.

vs.

City of Portland.

Suit to restrain prosecution for violation of building ordinance. Decree for plaintiff.

South Portland Improvement Co.

vs.

City of Portland.

Suit to restrain collection of assessment for fills made in South Portland. Decree for plaintiff.

Mary Phelps Montgomery

vs.

City of Portland.

Suit to enjoin opening of Benton street. Decree for city.

J. R. O'Neil

vs.

City of Portland.

Suit to recover on warrants. Decree for city in Circuit Court. Appeal taken to Supreme Court.

City of Portland

vs.

G. G. Gammons.

Appeal from reviewers' report; extension of Villard avenue. Verdict increasing damages. Subsequently proceedings discontinued.

John F. Tait et al.

vs.

City of Portland.

Suit to restrain collection of vehicle tax. Dismissed.

Inman-Poulsen Lumber Co.

vs.

City of Portland.

Suit to restrain proposed improvement of East 6th street. Proceedings discontinued. Suit dismissed.

James C. Stuart

vs.

City of Portland.

Suit to enforce contract for printing. Decree for city.

J. O. Gibson

vs.

City of Portland.

Suit to enjoin awarding of contract for paving of Williams avenue. Demurrer of city sustained.

C. S. Ruhl et al.

vs.

City of Portland.

Suit to restrain improvement of Jessup street. Demurrer of city sustained.

Alice P. Cornwall et al.

vs.

City of Portland.

Suit to restrain improvement of Mallory avenue. Demurrer of city sustained.

Ella Stevens

vs.

City of Portland.

Writ of review, improvement of Elise street. Decree for plaintiffs. Reassessment proceedings instituted.

State of Oregon ex rel. D. Kellaheer

vs.

A. L. Barbur, Auditor.

Proceeding to mandamus Auditor to place initiative petition on official ballot. Peremptory writ issued.

State of Oregon ex rel. Paul Rader

vs.

A. L. Barbur, Auditor.

Proceeding to mandamus Auditor to place amendment on ballot. Peremptory writ issued.

Postal Telegraph Co.

vs.

A. L. Barbur, Auditor.

Suit to enjoin Auditor from placing petition on official ballot. Suit dismissed.

R. M. Wade

vs.

A. L. Barbur, Auditor.

Suit to restrain Auditor from placing petition on official ballot. Suit dismissed.

Ralph R. Duniway

vs.

City of Portland.

Suit to restrain city from awarding contract for improvement of Multnomah street. Dismissed.

Harry Howard

vs.

City of Portland.

Action to recover penalty imposed for delinquency. Dismissed.

City of Portland

vs.

W. H. Morehouse.

Proceeding to condemn land for park purposes. Verdict and judgment.

Buffalo Steam Roller Co.

vs.

City of Portland.

Action to recover price of steam roller. (Dismissed since December 31, 1909.)

City of Portland

vs.

W. J. Yore and R. E. Bausek.

Appeal from report of viewers; extension of Oak street. Verdict and judgment sustaining viewers' report.

City of Portland

vs.

B. G. Whitehouse.

Proceedings to condemn land for park purposes. (Verdict and judgment since December 31, 1909.)

German Savings & Loan Society

vs.

City of Portland.

Suit to quiet title on account of street assessment. Decree for city.

City of Portland

vs.

Jacob Kamm.

Appeal from report of viewers for the extension of Main street. Verdict and judgment increasing award by viewers.

City of Portland

vs.

Portland Railway, Light & Power Co.

Suit to enjoin discontinuance of lighting service of the City of Portland. Order of dismissal on merits.

Fritz Stroebel

vs.

City of Portland.

Suit to enjoin prosecution for violation of liquor license ordinance. Dismissed.

Joseph Day

vs.

City of Portland.

Action to recover salary of discharged detective. Judgment for plaintiff.

MUNICIPAL COURT CASES APPEALED TO CIRCUIT COURT.

City of Portland

vs.

Ah Sing.

Prosecution for violation gambling ordinance. Dismissed. Witness out of state.

City of Portland

vs.

M. Trippenhoff.

Prosecution for violation of liquor ordinance. Convicted. Fined \$25.00.

City of Portland

vs.

George Simpson.

Prosecution for violation of liquor ordinance. Dismissed.

City of Portland

vs.

Martin Philipps.

Prosecution for violation of gambling ordinance. Convicted. Fined \$25.00.

City of Portland

vs.

J. D. Phebus.

Violation of gambling ordinance. Convicted. Fined \$25.00.

City of Portland

vs.

Louis Cohen.

Prosecution for violation gambling ordinance. Convicted. Fined \$50.00.

City of Portland

vs.

Dr. Bennett.

Prosecution for violation dental ordinance. Demurrer to complaint sustained.

City of Portland

vs.

C. R. Hanson.

Prosecution for violation of employment ordinance. Set for trial.

City of Portland

vs.

Ah Wong.

Defendant released on habeas corpus. Wrong sentence.

City of Portland

vs.

Mrs. A. L. Stevens.

Demurrer to complaint sustained.

City of Portland

vs.

Allie Alfred.

Bawdy house. Convicted. Fined \$25.00.

City of Portland

vs.

Ray L. Travis.

Short wood measure. Convicted. Fined \$50.00.

City of Portland

vs.

A. Gladstone.

Vagrancy. Convicted. Fined \$100.00.

City of Portland

vs.

Isaac Brunn.

Liquor ordinance. Convicted. Fined \$50.00.

City of Portland

vs.

Maizie McFarland.

Vagrancy. Convicted. Fined \$25.00.

City of Portland

vs.

Halleck Strange.

Assault and battery. Convicted. Fined \$45.00.

City of Portland

vs.

L. W. Mahaffy.

Liquor ordinance. Dismissed.

City of Portland

vs.

Ed. Johnson.

Liquor ordinance. Four cases pending. Set for trial.

City of Portland

vs.

Mike Tannler.

Milk ordinance. Tried. Taken under advisement.

City of Portland

vs.

Henry Hoffman.

Liquor ordinance. Convicted. Fined \$150.00 and costs. Motion for new trial pending.

City of Portland

vs.

C. O. Pick.

Vehicle ordinance. Demurrer overruled. Negotiations for settlement pending.

City of Portland

vs.

W. M. Coplan.

Vehicle ordinance. Demurrer overruled. Negotiations for settlement pending.

City of Portland

vs.

H. J. Hanson.

Vehicle ordinance. Demurrer overruled. Convicted. Fined \$25.00.

City of Portland

vs.

Ray Elliott.

Vagrancy. Appeal dismissed. Bench warrant issued.

City of Portland

vs.

J W Gardner

Three charges. Pending.

City of Portland

vs.

James Kane.

Vagrancy. Set for trial.

City of Portland

vs.

F. L. Smith.

Selling unwholesome meat. Set for trial.

City of Portland

vs.

Charles Stromgren.

Gambling ordinance. Set for trial.

City of Portland

vs.

Marion Corelli.

Palmist ordinance. Dismissed. Evidence of accomplice.

IN THE SUPREME COURT OF THE STATE OF OREGON;
CASES DISPOSED OF DURING 1909.

James W. Applegate

vs.

The City of Portland.

Writ of review to quash proceedings, for reassessment of Albina avenue. Decision for appellant.

W. H. H. Morgan et al.

vs.

City of Portland.

Proceeding to review proceedings for reassessment for improvement of River street. Decision for appellant.

Ellis G. Hughes et al.

vs.

City of Portland.

Proceeding to review proceedings for reassessment for improvement of East Yamhill street. Decision for appellant.

John Mitchell

vs.

City of Portland.

Proceeding to review proceedings for reassessment for improvement of Goldsmith street.

George Long

vs.

City of Portland.

Suit to quash enforcement of vehicle tax ordinance. Decree for appellant. Rehearing denied.

William Becket

vs.

The City of Portland et al.

Suit to enjoin collection of assessment for Irvington sewer. Decision for respondent.

CASES PENDING AND UNDISPOSED OF IN THE SUPREME COURT OF THE STATE OF OREGON.

John P. Sharkey Co.

vs.

City of Portland.

Suit to recover value of earth appropriated during street improvement proceedings. Briefs filed.

In the matter of the application of J. C. Mann and A. A. Kadderly, for writ of habeas corpus, involving constitutionality of vehicle ordinance.

Abstract filed.

J. R. O'Neil

vs.

City of Portland.

Action to recover on warrants for the improvement of Goldsmith street. Briefs filed.

City of Portland

vs.

Nottingham & Company and Joseph Paquet.

Appeal from reassessment for the improvement of East Washington street. Pending on application to settle bill of exceptions.

City of Portland

vs.

D. W. Metzger et al.

Suit to restrain interference with the right of way for Bull Run pipe line. Decree for city in the Circuit Court. Briefs filed upon appeal.

IN THE CIRCUIT COURT OF THE UNITED STATES.

Portland Railway, Light & Power Co. and B. S. Josselyn

vs.

City of Portland.

Suit to enjoin the city from prosecuting plaintiff, and to annul Ordinance No. 16002, known as the Underground Wiring

Ordinance. Decree for city. Appeal to Supreme Court of the United States.

Southern Pacific Company

vs.

City of Portland et al.

Suit to enjoin prosecution of the general manager for violation of ordinance, requiring removal of steam locomotives from Fourth street. Argued and submitted. Under advisement.

During the year 1909 there were tried in the Municipal Court 7,941 cases.

Respectfully submitted,

J. P. KAVANAUGH, City Attorney.

ANNUAL REPORT

—OF—

Building Inspector

Portland, Oregon, January 10, 1910.

Honorable Mayor and Members of the Executive Board, City Hall, City.

Gentlemen: I herewith submit the report of the Building Department for the year ending December 31, 1909, together with tabulated statement of the number and valuation of permits issued during the year, and a comparison of the permits issued by months for the years 1908 and 1909.

During the year some 12,500 visits have been made, over 5,000 new and old buildings inspected, and 1,767 violations of the ordinance rectified. Forty cases have been prosecuted in the Municipal Court, as compared with 65 of last year. As the work of the department is becoming better known and understood, there is a greater willingness to comply with the requirements of the ordinances, as is indicated by the decrease in the number of cases which it was necessary to prosecute this year. During the year, 14 frame buildings inside the fire limits have been condemned and removed.

The total cost of maintaining the department during the past year was \$9,195.00, while the amount collected from building permits was \$7,349.00. In this connection, I wish to call attention to the extremely low charge which is now made on our large office buildings. At the present time, only \$10.00 is charged for buildings costing \$10,000.00 and over, regardless of whether the total cost of the building runs up to \$500,000.00 or \$1,000,000.00. For the larger office and business buildings which are now being erected in the City of Portland, this fee is entirely inadequate, as it does not cover the cost of inspection of the plans, let alone the large amount of time required for the inspection of these buildings, which cover from six to eighteen months in their erection.

I would earnestly recommend that our present system of charging for permits be changed, and based on the square feet of floor area, or cubical contents of the building. This would make a much more equitable distribution of permit charges, and place a fair proportion of these charges on the large office buildings, where they of right belong.

A charge of \$3.00 for a building costing \$2,500.00, while a building costing \$600,000.00 to \$700,000.00 is only charged \$10.00, is manifestly an unjust discrimination against our medium priced dwellings. The greater part of the revenue of this office at the present time is derived from these dwellings and medium priced buildings, while the large office buildings require, by far, the larger portion of the time of the force employed.

After studying a great many systems of charging for permits, I am convinced that one based on the superficial floor area, or cubical contents of the building, is the best that can be secured, and such a system will at least double the receipts of this office.

Nineteen hundred nine has been a banner year in the history of the office so far as the valuation of buildings erected is concerned. A study of the records shows a large increase over last year, which amounts approximately to 30 per cent, and shows that the largest gain has been made in the business district. The number of permits issued in this district has largely increased, while the increase in size of buildings and improvement in character and design has been very marked.

Most of the buildings erected in the center of the business district during the last year would be a credit to any city in the country, but the fact still remains that our present ordinance governing the construction of buildings in this district could be decidedly improved upon.

At the present time, it is possible to build cheap brick buildings with frame construction inside, which are not only detrimental to the appearance of the city, but in large buildings constitutes a grave source of danger to the occupants thereof. After these buildings are finished, it is difficult for a layman to detect any difference in construction between these and a first-class fireproof building, and not one in a thousand of the occupants realize how great a risk they are taking by occupying such structures.

I think that in the business district, where buildings of five and six stories and over are the rule, an ordinance should be passed which would prohibit the erection of anything but fireproof buildings. Such a restriction would vastly increase the value of property in this district, and if analyzed closely, will prove to be one of immense benefit to everyone concerned.

During the past year, an ordinance has been passed which limits the life of frame buildings for theatrical purposes to April 1, 1911. This is certainly a step in the right direction, as there is no question about the danger involved in using frame buildings for such large bodies of people as are gathered together in these structures. However, I think there is another class of buildings in the city which deserves fully as much consideration along this line as our theaters. I refer to our frame school buildings, in which thousands of school children are housed every day.

The burning of the Collingswood school in Ohio, a little over a year ago, forcibly called the attention of the Eastern cities to the necessity of erecting better school buildings, and at the present time in most of the larger cities of the East, the height of these frame buildings is limited to one and two stories, and where two stories are allowed, the capacity is usually restricted to from four to six hundred pupils.

I believe that where frame buildings are used, they should be limited to one story in height. If two or more stories are required, it should be either mill or fireproof construction.

It is argued that our present buildings are well provided with exits and fire escapes, and I am informed that our fire-drills will compare very favorably with any city in the country. However, the working of the human mind, in case of sudden danger, is an uncertain quantity and not to be depended upon, and it is far better to build, if possible, so as to prevent the rapid destruction of any of these buildings in case of fire.

The Collinswood building was only a two-story frame building, well provided with exits and the children had been well instructed in the fire-drill, but when the fire started, it spread so suddenly that everyone became panic stricken and the result was one of the worst fires of modern times in point of life lost.

By building fireproof buildings, we can not only avoid the possibility of such a catastrophe, but add a great deal to the beauty of the city and its reputation.

Respectfully submitted,

G. E. DOBSON, Building Inspector.

Tabulated Statement of Permits Issued during Year ending December 31, 1909.

MONTH	Repairs		Sheds and Barns		Dwellings (E. side)		Dwellings (W. side)		Buildings Class A. B. C.	
	Permits	Value	Permits	Value	Permits	Value	Permits	Value	Permits	Value
January	53	\$ 29,415	21	\$ 22,250	76	\$ 138,300	9	\$ 13,600	9	\$ 120,000
February	72	41,900	42	23,165	159	307,375	10	31,050	14	393,950
March	115	68,875	56	22,600	222	438,460	5	23,100	10	208,025
April	114	61,640	62	34,755	244	502,850	26	46,650	15	710,300
May	95	59,320	46	9,455	186	356,575	14	84,700	7	356,000
June	95	65,035	43	14,040	205	433,400	25	102,500	5	119,000
July	146	56,595	50	16,300	166	347,755	12	53,600	9	307,000
August	168	60,030	45	10,565	189	404,150	31	114,900	12	254,000
September	179	61,775	43	20,600	227	466,755	19	44,800	17	582,450
October	158	50,940	68	13,180	202	434,255	19	70,250	6	614,000
November	119	53,550	86	18,705	158	306,875	11	28,800	10	272,500
December	99	65,750	41	30,875	121	238,400	8	3,150	11	1014,500
Total	1413	\$ 674,825	561	\$ 236,440	2155	\$ 4375,170	182	\$ 617,100	121	\$ 4951,725

Tabulated Statement of Permits issued during Year ending December 31, 1909.—Continued.

MONTH	Frame Business Blks		Reinforced Concrete		Excavations		Total Value	Total Permits
	Permits	Value	Permits	Value	Permits	Value		
January	9	\$ 47,950	4	\$ 54,000	6	\$ 5,900	\$ 431,415	179
February	15	70,050	4	455,350	6	6,700	1,329,540	322
March	28	72,475	6	35,600	7	16,250	885,885	449
April	28	216,800	12	74,200	4	4,000	1,651,195	505
May	30	263,000	2	10,150	2	3,200	1,142,400	382
June	13	42,800	8	80,800	6	7,725	865,300	400
July	14	70,800	5	47,320	4	12,200	911,570	405
August	23	127,750	2	22,000	3	2,950	996,345	473
September	17	93,700	4	14,000	3	4,200	1,288,300	509
October	5	195,500	3	323,600	3	6,000	1,707,675	464
November	9	49,500	5	104,500	1	1,000	835,430	359
December	15	74,150	1	10,000			1,436,835	291
Total	206	\$ 1,324,475	56	\$ 1,231,520	45	\$ 70,125	\$ 13,481,380	4739

Comparison of Permits issued by Months—Years 1908-1909.

MONTH	1908		1909	
	Permits	Valuation	Permits	Valuation
January	298	\$ 625,545	179	\$ 431,415
February	413	833,800	322	1,329,540
March	544	851,845	449	885,585
April	576	980,410	505	1,651,195
May	374	754,945	382	1,142,400
June	385	841,065	400	865,300
July	459	1,038,366	406	911,570
August	412	772,395	473	966,345
September	445	972,355	509	1,288,300
October	368	829,755	464	1,707,675
November	297	944,595	359	835,430
December	278	960,075	291	1,436,825
Total	4,849	\$ 10,405,151	4,739	\$ 13,481,380

Building Permits have been issued during the past years as follows:

	Permits	Valuation
1900	392	\$ 944,985
1901	745	1,529,143
1902	1,244	2,730,660
1903	1,628	4,281,056
1904	1,720	4,029,225
1905	2,318	4,183,368
1906	3,166	6,902,032
1907	3,890	9,446,982
1908	4,849	10,405,151
1909	4,739	13,481,380

ANNUAL REPORT

—OF—

Plumbing Inspector

Portland, Oregon, December 31, 1909.

To the Honorable Mayor and City Council, City of Portland.

Gentlemen: I respectfully submit the annual report of the Plumbing Department for the year ending December 31, 1909, together with recommendations for the betterment of the sanitary conditions of the city.

On account of lack of water and sewers in the outlying districts, conditions are not all that could be desired.

Owing to the hard surface streets and many large buildings, in the fire limits of the West Side, new sewers are needed on Yamhill, Pine, Ankeny, Burnside, Couch, Davis, Everett, Flanders and Glisan streets. The present sewers are not large enough to carry the drainage, especially during heavy rains, and few, if any, of these sewers are deep enough to drain the basements of the large buildings.

The new sewer on the north side of Morrison street, as well as sewer in Alder street, should be extended further west.

Your attention has been called to the urgent need of sewers in different parts of the city, and more especially to the extension of laterals from the Brooklyn sewer. The territory in this district comprises a large area, which is thickly settled and poorly drained. Up to the present time the sewerage has been taken care of by cesspools, many of which are now full and overflowing. Nothing more can be done for the betterment of the sanitary conditions of this district until laterals are provided, as most of the property contains from two to three cesspools, while some of the lots are like honey combs and have no room on which to dig more.

While the drainage is better in the northeastern part of the city, sewers are badly needed in the Vernon district, which is thickly populated and has no other drainage than cesspools. This may also be said of Woodlawn, Portsmouth, University Park, and the west side of Mt. Tabor.

Cesspools are only good where the soil is porous and when used in districts that are not thickly settled and where the houses are scattered, but when close together they prove a nuisance on account of gases issuing from them through the ground, which is especially true of gravelly soil.

The south side of Portland Heights is also in need of attention on account of lack of sewers. Cesspools are practically useless in this locality, due to the surface water and the nature of the soil, which is clay. Septic tanks are in use in this district, but are a nuisance in summer on account of odor and overflow from tank running on other people's property.

There has been much agitation going on regarding bridges, parks, play grounds, car service, etc., but little attention has been paid to the sanitary conditions of the home. No matter how much care is exercised as to the cleanliness of the interior of a house, or the purity of food, this is practically wasted when your own or your neighbor's cesspool is overflowing into your yard or basement.

Within the last few years a new class of buildings has sprung up, owing chiefly to the increased value of real estate in many parts of the city. These buildings are planned and built so as to accommodate the largest number of families possible, and such so-called "flats" or "apartments" are sought by many in preference to homes. From a sanitary and health standpoint it is difficult to say any word of praise for these structures, and even the best of them are but poor apologies for a home. They are generally overcrowded and ill-ventilated, and have none of the privacy which even the smallest rural cottage affords. The plumbing fixtures are often placed in dark rooms and damp basements, where they are not accessible by light or air.

Ordinance No. 1347, "An ordinance for the preservation of health and prevention of diseases," requires 550 cubic feet of air space for each and every person occupying house or apartment. This ordinance was adopted in 1873, and was useless at the time it was passed, as no provision was made for light or changes of air.

Section 7, Ordinance No. 14110, referring to room ventilation for water closets and slop sinks, is all that we have bearing on this subject, and this is little better than nothing. As the first principles of sanitation are sunlight and air, all sleeping apartments and toilet rooms should be located where there is plenty of both, and I believe that provision should be made governing same. Light courts and air shafts for all buildings should be regulated in accordance with the height of the building, and all rooms ought to be provided with windows opening direct to the outside for light and ventilation. As this matter is of great importance, I believe that it should receive

attention as soon as possible before too many buildings are erected without any regulation regarding ventilation.

School Sanitation.

Sanitarians all over the world have given much thought to the sanitary arrangement of school buildings, and it gives me much pleasure to state that many improvements have been made in our public school buildings. Although there is still much room for improvement, especially in ventilation, a step has been taken in the right direction in abolishing the range toilets for the more sanitary individual toilet. I believe that better results could be obtained by placing toilet rooms on each floor or by having all toilets on the top floor instead of in the basement.

Referring to the drinking water supply for schools or street fountains: buckets, cups, glasses or other receptacles are unsanitary, and therefore undesirable. The new hygienic fountains, at which one may drink without touching the fountain or the use of a cup, forms an ideal arrangement. The cost of the water should be the least consideration where the health of the general public is concerned.

Hotels and Restaurants.

The secret precincts of the kitchen, refrigerator, and basement demand as much attention from the careful housekeeper or proprietor of a hotel or restaurant as the living room and sleeping apartment. The wheels of the entire city are set in motion in the kitchen, and morally, no living room in a home or hotel, no matter how magnificent, is better than the kitchen. I regret to state that there are but few hotels or restaurants that have kitchens built and kept on sanitary principles, and in nearly all cases there would be objections to the patrons visiting the kitchen. I believe that it would be a good advertisement for any establishment to invite their customers to visit the kitchen and inspect the refrigerator and basement. Public opinion in these matters will do more for the improvement of sanitary conditions than all the inspectors you could employ, as they have only set rules to follow. I do not mean to state that the public should only be invited on special days, but even that would result in obtaining better conditions. The same may be said of factories, and most places where food is prepared. The kitchens of hotels and restaurants should have water-tight floors constructed of non-absorbent material and made so as to drain properly to the sewer, instead of having drainage run into basement or under building through a hole in the floor, as is the case in many kitchens at the present time. The fumes from cooking should be taken care of by proper ventilation.

In the last annual report I called your attention to the urgent need of public toilets, and plans and specifications were submitted to the Council, but so far nothing has been done. This is a very important matter, especially in the congested business sections.

From time to time you have been reminded of the need of an ordinance regulating plumbing, as the present ordinance is out of date, unsatisfactory and unenforceable, and a new class of buildings is being erected, for which there is no provision, except through the discretion of the Plumbing Inspector.

During the past year all the time of the inspectors of this department was taken up on the inspection of new work and taking care of the many complaints that come to this office. For this reason, no time could be given to the inspection of schools, lodging houses, factories, tenement houses, etc., and as this is a matter of vital importance, places of this description should be inspected at least once a week. Even on new work, many cesspool and sewer connections were not inspected on account of lack of help. I have repeatedly asked for additional deputies, but no results have been obtained.

In the Mayor's budget for 1910 he recommended that the Plumbing Department be made self-sustaining, and will state that this same matter was recommended in my annual report of 1905.

The tabulated report herewith attached covers the amount of work done in this office during 1909, and is self-explanatory.

Respectfully submitted,

WM. HEY, Plumbing Inspector.

Tabulated Statement of Work done in the Plumbing Department for the Year ending December 31, 1909.

MONTH	New Buildings Inspected	Old Buildings Inspected	Cesspools Connected	Written Notices Served	Septic Tanks	Special Permits Issued	Total Number of Licensed Plumbers	Reports of Defective Plumbing	Plumbing Remodeled on Notice	Total Number of Visits for Month	Total Number of Fixtures	Sewers Connected
January	64	39	49	39	0	0	96	20	60	554	515	54
February	175	94	127	65	1	1	96	79	41	1044	1263	141
March	238	157	186	138	2	1	96	97	68	1482	1948	206
April	274	166	229	463	1	0	98	102	75	1529	2620	207
May	288	164	224	108	0	0	98	71	80	1401	2337	226
June	266	158	233	45	0	1	98	54	80	1300	2305	184
July	224	147	200	162	0	0	98	75	62	1287	2724	167
August	229	150	179	40	1	0	98	72	60	1239	2580	185
September	227	136	192	142	1	0	102	81	69	1154	2344	180
October	279	148	230	84	1	0	102	65	41	1349	2166	183
November	204	110	183	47	1	0	102	59	39	1109	1727	127
December	169	78	133	40	2	0	99	56	28	994	1781	111
Total	2637	1547	2165	1373	10	3	99	831	703	14442	24310	1971

35 Buildings not connected yet, 3 Buildings connected to river.

ANNUAL REPORT

—OF—

Health Department

Portland, Oregon, January 11, 1910.

To the Honorable Mayor and Board of Health, City Hall.

Gentlemen: I have the honor to submit the annual report of the Health Department for the year 1909.

During the year there has been but little unusual in health matters to record, save an epidemic of scarlet fever during the first half of the year. But this disease has been more prevalent in the West generally than in previous years and once established it is hard to control owing to the mild character of many of the cases, causing them to be overlooked by parent and physician. These mild cases in turn keep alive the disease. There were 573 cases recorded, with fourteen deaths. Had all the cases been reported or recorded the percentage of deaths would have been less.

Diphtheria, 267 cases with 19 deaths. While diphtheria is the more fatal, it is easier to control by quarantine.

Typhoid fever gives us the greatest number of cases of that disease that we have ever had: 186 cases arising within the city and 118 cases brought here for treatment. In many of the cases arising here I was able to trace the infection to some source outside the city, while others seemed to arise within the city without any source being manifest. However, the death rate was not very high, about 14 per cent.

With the exception of smallpox, from which disease no fatalities occurred, measles has the lowest death rate, there being but one death out of the 1,446 cases reported during the year.

The sanitary condition of the city has been well looked after by the various inspectors. The Market Inspector has been very active in her work, which is at times very trying and often calls for great tact. The Dairy and Milk Inspector has done good work, especially along educational lines, among the dairy and milk people. Some of the worst dairies have been closed and others generally improved in cleanliness.

The coming year will inaugurate a systematic and scientific inspection of the dairy herds which supply this city with milk and the milk placed upon our markets will of necessity be much more healthful. The dairy herds will be placed under close and thorough examination to detect the presence of tuberculosis among the cows. The milk within our market will be subjected to frequent examination for bacteria, filth, artificial coloring matter, preservatives, etc., and every effort will be made to safeguard the producer as well as the consumer of milk.

School inspection has been in operation for a little more than a year, and my experience with this work dates from the beginning of the present school year. The system that was originally planned has been followed.

How much good such inspection does it is difficult to say. From the standpoint of detection and prevention of the communicable diseases, it is practically nil. Out of the many thousands of children examined and re-examined, but two cases of diphtheria and three cases of scarlet fever have been detected, while from the information furnished this office direct by the principals and teachers many times that number have been discovered. The physical defects most observed and reported to parents are enlarged tonsils and post-nasal obstruction (adenoids). Whether any of these cases have been remedied by surgical or other methods we do not know, having no records, but from personal investigation I am inclined to believe that a very small percentage have been placed under treatment. If inspection is to be continued it should be amplified and extended and by a return card system show whether any remedial measures have been undertaken and with what result. Itch and vermin stand out boldly in the reports and these as well as other transmissible skin diseases must be treated and cured before the child is permitted to re-enter school.

In discussing public school inspection, the question arises as to whom is best able to detect illness among the pupils: the principals and teachers who spend a number of hours each day among them, or the physician who makes an examination at stated intervals. If we take the more serious diseases, diphtheria and scarlet fever, as an example, the argument from conditions presented at this office is vastly in favor of the principal and teacher. The fact of vermin existing among school children is a condition which exists in all schools, judging from reports before me; the schools of this city are no exception. This condition is handled by the school principal by excluding the children and by the school nurse instructing the parents by practical demonstrations how best to treat these cases.

Cases of smallpox have been with us constantly during the year, but in gradually decreasing numbers; total, 115 cases. The question of a smallpox hospital has caused the department some work and annoyance. It became necessary to select a site and build a hospital for the care of these patients. Popular prejudice is a factor in the locations of institutions of this character, so we were compelled to accept a site six miles from the city hall where in the near future a suitable hospital will be built. It is unfortunate that we are compelled to go so far as the patient will be the sufferer from transportation during inclement weather. Smallpox is far less transmissible than measles, scarlet fever or diphtheria, and the percentage of deaths is not so great as in the above named diseases, yet there is a wholesome fear in the minds of the public with reference to smallpox. However, the fact remains that this disease can be treated with more safety and comfort to the patient and better protection to the public when such institution is situated in an accessible location.

The garbage question is absorbing the time and attention of the Health Board at present. The difficulty seems to be in the type of incinerator to select. It is my opinion that the proper solution of this question is for the future. To incinerate simply, seems a waste of useful energy. Reduction plants are odoriferous and a nuisance to the community where situated, yet the garbage must be disposed of. Incomplete incineration causes a nuisance and a crematory that is expensive to operate becomes an undesirable burden.

The collection of garbage at present is unsatisfactory and incomplete. Much of it is dumped by the wayside, some of it is burned in the kitchen stove, some buried, some used as food for chickens and hogs, much refuse is thrown on the garbage dump, and the rest is incinerated at the present plant. And all with unsatisfactory results, except possibly that which is fed to the chickens and pigs. After a suitable incinerator is installed, a systematic collection of garbage should be initiated whereby the refuse from all parts of the city may be disposed of.

I attach herewith statistical report for the contagious diseases, births, deaths and laboratory work.

Respectfully,

C. H. WHEELER, Health Officer.

Births During Year 1907.

MONTH	Male	Female	Total	White	Yellow, Red or Colored	Still Born
January	138	140	278	277	1	12
February	137	111	248	246	2	14
March	134	122	256	249	7	6
April	114	95	209	208	1	13
May	146	114	260	259	1	4
June	140	115	255	252	3	10
July	123	122	245	242	3	11
August	145	145	290	283	7	10
September	133	113	246	244	2	10
October	163	131	294	290	4	9
November	122	121	243	240	3	8
December	112	86	198	195	3	15
Total,						
Births Reported 1909	1607	1415	3022	2985	57	122
Births Reported 1908	1445	1368	2813	2785	28	125

1909—Estimated population 265,000—Percentage per 1000 population, 11.4⁰
 1908—Estimated population 250,000—Percentage per 1000 population, 11.04

Tabulated Statement of Specimens Examined by Dr. Matson

MONTH	Diphtheria Positive	Diphtheria Negative	Pseudo Diphtheria	Sputum	Blood	Water	Milk	Pus	Glanders	Miscellaneous
January	74	117	4	52	4	1	2	3		
February	69	118	43		7	2				
March	54	176		28		12	4			
April	21	70		54	2	1	4			
May	15	90		29		3				
June	37	81		22		3				
July	16	63		41		5	1		1	3
August	31	47		25	6	2	2			
September	42	56		30	6	6	127			
October	43	97		11	10	6	123			5
November	46	93		23		1	3			3
December	57	96								
Total,	505	1104	47	315	41	43	266	3	1	11

Contagious Diseases Reported During the Year 1909

Disease	January	February	March	April	May	June	July	August	September	October	November	December	Total	Deaths
Diphtheria	34	19	17	19	22	16	31	31	18	18	9	33	267	19
Measles	27	83	231	387	431	182	70	11	5	1	5	13	1446	1
Chicken pox	19	13	13	32	6	16	9	5	1	4	16	4	138	2
Whooping Cough	2	2	5	6	4	4	1	2	1	1	---	1	24	5
Erysipelas	---	---	1	1	3	3	1	---	---	---	---	2	15	---
Typhoid Fever	13	8	8	7	5	8	9	21	30	40	19	18	186	---
Typhoid fever, br't here for treatm't	2	4	2	1	1	7	2	15	35	21	19	9	118	45
Scarlet fever	21	24	53	98	139	78	21	23	18	29	27	42	573	14
Small pox	26	15	9	6	9	11	7	7	9	10	2	4	115	---
Tuberculosis, pul.	7	4	15	13	2	26	25	12	19	19	14	11	167	157

Deaths During 1909—By the Month

Month	Male	Female	Total	White	Yellow or Colored	Married	Single under 20	Single over 20	Widowed	Divorced	Not Known	Oregon	Other States	Foreign	Not Known
January	86	52	138	134	4	60	33	20	20	1	4	34	56	39	9
February	71	53	124	120	4	58	23	16	23	---	4	24	50	44	6
March	92	78	170	165	5	61	44	34	22	2	7	42	72	44	12
April	99	77	176	171	5	73	49	28	21	1	4	41	68	57	10
May	90	77	167	158	9	55	51	26	28	3	4	64	63	33	7
June	67	44	111	110	1	45	33	17	13	2	1	40	34	32	5
July	83	57	140	130	10	56	28	24	26	1	5	34	55	43	8
August	108	89	187	194	3	55	95	18	19	3	7	90	63	38	9
September	95	83	178	174	4	50	63	23	36	---	6	65	61	45	7
October	90	73	163	154	9	57	49	23	25	1	8	49	65	41	8
November	102	44	146	139	7	55	31	24	22	4	10	29	58	45	14
December	96	68	164	161	3	68	39	24	27	3	3	41	70	42	9
Total,---	1079	795	1874	1810	64	693	538	277	282	21	63	553	715	505	101

Total Number Deaths, 1909, 1,874; Estimated population, 265,000; per 1000, 7.06

Total Number Deaths, 1908, 1,783; Estimated population, 255,000; per 1000, 6.99

Tabulated Report of Diseases and External Causes of Deaths During Year 1909

[illegible]

Deaths From Communicable Diseases Reported During Year 1909

[illegible]

Diseases of the Nervous System Reported During Year 1909

[illegible]

General Diseases Reported During Year 1909

[illegible]

Diseases of the Digestive System Reported During Year 1909.

[illegible]

Diseases of the Genito Urinary System Reported During Year 1909.

[illegible]

Diseases of the Organs of Locomotion Reported During Year 1909.

Disease	January	February	March	April	May	June	July	August	September	October	November	December	Total
Nontuberculous disease of the bones	1	1	1	1	1	1	1	1	1	1	1	1	12
Abscess, mastoid	1	1	1	1	1	1	1	1	1	1	1	1	12
Total,	2	2	2	2	2	2	2	2	2	2	2	2	24

Cases of Malformations--Early Infancy Reported During Year 1909.

Disease	January	February	March	April	May	June	July	August	September	October	November	December	Total
Malformations	4	2	15	3	3	8	1	4	2	3	1	6	29
Congenital debility, icterus and sclerema	5	4	1	9	7	8	8	21	8	10	6	7	108
Other diseases peculiar to early infancy	1	1	1	1	1	1	1	1	1	1	1	1	11
Injury at birth	1	1	1	1	4	2	1	2	1	1	1	1	18
Total,	11	8	18	14	16	19	10	22	13	18	10	15	146

Deaths caused by Old Age Reported During Year 1909.

Disease	January	February	March	April	May	June	July	August	September	October	November	December	Total
Senility	12	7	9	4	13	3	4	4	9	5	8	7	85

Deaths caused by External Causes Reported During Year 1909.

Disease	January	February	March	April	May	June	July	August	September	October	November	December	Total
Suicide by poison	2	1	2	2	2	---	2	1	3	---	2	1	18
Suicide by asphyxia	---	---	---	---	---	---	---	---	---	---	---	1	1
Suicide by hanging	---	---	1	---	1	---	---	1	---	1	---	---	4
Suicide by drowning	---	---	---	---	1	1	---	---	1	---	---	---	4
Suicide by firearms	---	1	1	1	2	---	---	1	---	---	1	---	8
Suicide by cutting instruments	---	---	---	1	---	---	1	---	1	---	---	---	3
Other suicides	---	---	---	---	---	---	---	---	---	---	---	---	1
Total	5	5	6	6	7	2	7	4	8	2	6	3	37

Deaths caused by Other External Violence, (accidental) Reported During Year 1909.

[illegible]

Tabulated Report of Deaths by External Violence for the Year 1909

[illegible]

ANNUAL REPORT

—OF—

Garbage Crematory

Portland, Oregon, December 31, 1909.

To the Honorable Mayor and Board of Health of the City of Portland, Oregon.

Gentlemen: Herewith is submitted the customary annual report of this department for the year ending December 31, 1909:

Amount of garbage incinerated..... 10,151 tons.
Amount of garbage dumped on dry dump..... 1,149 tons

Number of Animals cremated:

Horses	480
Dogs (pound)	1438
Dogs (others)	996
Cows	31
Calves	23
Hogs	2
Donkeys	1
Sheep	1
Colts	7
Goats	2

Amount of sawdust used (loads).....	1,761
Amount of slabwood used (cords).....	369
Average cost per ton for incineration.....\$	1.58
Amount appropriated for this department.....	25,967.00
Amount expended year ending December 31, 1909.....	22,182.79
Amount unexpended of 1909 appropriation.....	3,784.21

APPROPRIATION ASKED FOR 1910.

Superintendent	\$ 1,650.00
Foreman	1,200.00
For incineration	13,956.00
Fuel	200.00

PORTLAND, OREGON

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Blacksmith repairs	140.00
Repairs to roadway	400.00
New pipe line.....	170.00
Proposed parking	200.00
Teamster's salary	900.00
Feed for team.....	360.00
New wagon and harness.....	250.00
Accident to team.....	500.00
Extra labor	324.00
Possible extra expense.....	2,750.00

Total amount required for year 1910.....\$23,000.00

Respectfully submitted,

HARRY N. NAPIER,
Superintendent City Crematory.

ANNUAL REPORT

—OF—

Civil Service Commission

City Hall, Portland, Oregon, December 31, 1909.

To the Honorable Joseph Simon, Mayor of the City of Portland.

Sir: Pursuant to the provisions of section 317 of the charter, the Civil Service Commission herewith submits its seventh annual report.

The commission has experienced no difficulty during the year in obtaining applicants for the labor department, but in lines of work involving technical skill or a knowledge of advanced mathematics there has been a dearth of candidates and quite a number of temporary appointments have been made in consequence of there being no eligible lists to select from.

Great care has been taken to have all examinations fair and practical. Every effort has been made to prevent fraud, and to give each candidate an equal chance with all other candidates.

In carrying out the intents and purposes of the commission very material assistance has been rendered by the heads of the various municipal departments, all of whom realize the benefit to the service of the present system of selection as compared with that in vogue for many years.

All monthly payrolls for services in the classified service are certified by the secretary after careful examination and comparison with the roster.

To meet the demands of the different departments the following positions were added to the classified list, and examinations held therefor:

Clerical Service.

Clerk, Free Labor Bureau.

Miscellaneous Service.

Hostler, Street Cleaning Department.

Inspection Service.

Deputy Building Inspector.

Appeals.

G. W. Russell, January 27, 1909, Executive Board decision sustained.

R. M. Stuart, April 21, 1909, Executive Board decision sustained.

J. S. Hannam, July 10, 1909, Executive Board decision reversed.

E. O. Dunlap, July 12, 1909, Executive Board decision sustained.

A. Ohlhoff, September 11, 1909, action of City Engineer sustained.

S. Shrake, September 11, 1909, action of City Engineer sustained.

W. J. Sharp, November 10, 1909, appeal withdrawn.

W. J. Idleman, December 15, 1909, appeal dismissed.

Police Department—

Captains	4
Detectives, sergeants, patrolmen, drivers, jailors, guards.....	170
Matron	1
Female detective.....	1
Female clerk to female detective.....	1
Total	177

Fire Department—

Chief	1
Assistant chiefs, battalion chiefs.....	4
Captains, lieutenants	52
Master mechanic, hydrantmen.....	3
Engineers (fire engines).....	15
Hosemen, truckmen, drivers.....	134
Master fire boat.....	1
Pilot fire boat.....	1
First engineer, fire boat.....	1
Second engineer, fire boat.....	2
Stokers (fire boat and fire engines).....	17
Superintendent fire alarm and police telegraph.....	1
Linemen	3
Electrical instrument maker.....	1
Total	236

Engineer's Department—

Civil engineers	9
Instrumentmen	11
Chainmen	26
Draughtsmen	5
Computers	13
Inspectors, streets, sidewalks and pipe sewers.....	22
Inspectors, sewers (other than pipe sewers).....	2
Deputies and clerks.....	3
Stenographic clerks	2
Traction engineers	5
Bridge carpenters	6
Laborers	51
Cement testers	1
Cement finisher	1
Total	157

Street Cleaning Department—

Superintendent	1
Clerk	1
Laborers, foremen laborers.....	136
Total	138

Water Department—

Civil engineers	1
Instrumentmen	2
Chainmen	4
Draughtsmen	3
Inspectors	16
Inspectors, water pipes.....	1
Clerks	13
Pump engineers	9
Carpenters	1
Metermen and tappers.....	11
Calkers	9
Foremen laborers and laborers.....	76
Total	146

Auditor's Department—

Deputies and clerks.....	17
--------------------------	----

Stenographic clerks	5
Total	22

Park Department—

Civil engineers	1
Instrumentmen	1
Chainmen	2
Draughtsmen	1
Stenographic clerks	1
Watchmen	2
Gardeners	2
Laborers	42
Custodian forestry building.....	1
Total	53

City Hall Department—

Pump engineers	1
Janitors, watchmen, elevatormen.....	9
Total	10

Pound Department—

Pound master	1
Deputy pound masters.....	3
Total	4

City Attorney's Office—

Stenographers	2
---------------------	---

Treasurer's Department—

Deputies and clerks.....	1
Typewriters	1
Total	2

Plumbing Inspector's Department—

Plumbing inspector, deputy plumbing inspectors.....	4
Stenographic clerks	1
Total	5

Building Inspector's Department—

Building inspector, deputy building inspectors.....	5
Civil engineer	1
Stenographic clerks	1
Total	7

Harbor Master's Department—

Harbor master	1
Engineer, patrol boat.....	1
Total	2

City Sealer of Weights and Measures Department—

Sealer of weights and measures, and deputy.....	2
---	---

Civil Service Commission Department—

Stenographic clerks	1
---------------------------	---

Total number employed under classified civil service.....964

The following is a statement of the number of applications filed, the number of persons examined, the number who passed, the number who failed to pass, the number appointed, the number discharged for cause and the number who have resigned during the year 1909:

DIVISION AND CLASS.

Division "A"—Police Service.

Class	Applications.	Examined.	Passed.	Failed.	Appointed.	Discharged.	Resigned.
Class 1—Captains	6	6	4	2	1	0	0
Class 2—Detectives, sergeants, patrolmen, drivers, jailors, guards...	246	191	59	132	37	2	8
Class 3—Matrons	0	0	0	0	0	0	0
Class 4—Female detectives	0	0	0	0	0	0	0
Class 5—Female clerks to female detective.....	2	1	1	0	1	0	1
Totals	254	198	64	134	39	2	9

Division "B"—Fire Service.

Class	Applications.	Examined.	Passed.	Failed.	Appointed.	Discharged.	Resigned.
Class 1—Chief engineer	0	0	0	0	0	0	0
Class 2—Assistant chief, battalion chiefs.....	0	0	0	0	0	0	0
Class 3—Captains, lieutenants	5	5	4	1	8	0	3
Class 4—Master mechanic, hydrantmen.....	12	7	4	3	3	0	1
Class 5—Engineers, (fire engines).....	8	8	5	3	2	1	1
Class 6—Hosemen, truckmen, drivers.....	89	53	38	15	15	3	26
Class 7—Master fire boat.....	2	2	2	0	0	0	0
Class 8—Pilot fire boat.....	0	0	0	0	0	0	0
Class 9—First engineer, fire boat.....	3	5	5	0	2	1	1
Class 10—Second engineer, fire boat.....	1	1	1	0	0	0	0
Class 11—Stokers (fire boat and fire engines).....	19	25	9	16	7	2	4
Totals	139	106	68	38	37	7	36

DIVISION AND CLASS.

Division "C"—Civil Engineering Service.

	Applications.	Examined.	Passed.	Failed.	Appointed.	Discharged.	Resigned.
Class 1—Civil engineers	0	0	0	0	1	0	0
Class 2—Instrumentmen	44	41	12	29	9	0	6
Class 3—Chainmen	44	32	12	20	15	2	4
Class 4—Draughtsmen (topographical)	16	15	6	9	5	0	2
Class 5—Computers	24	17	6	11	6	0	3
Class 6—Draughtsmen (structural)	1	1	1	0	1	0	0
Class 7—Civil engineers (building inspection department)	0	0	0	0	0	0	0
Totals	129	106	37	69	37	2	15

Division "D"—Inspection Service.

Class 1—Building Inspector	8	8	2	6	2	0	0
Class 2—Plumbing Inspector, Deputy Plumbing Inspector	11	*9	0	3	0	0	1
Class 3—Inspectors of Streets, Sidewalks and Pipe Sewers	51	31	7	24	10	3	6
Class 4—Inspectors of Sewers (other than pipe sewers)	3	2	1	1	1	1	1
Class 5—Inspectors of Bridges	0	0	0	0	0	0	0
Class 6—Inspectors Water Department	16	0	0	0	0	0	1
Class 7—Inspectors Water Pipes	0	0	0	0	0	0	0
Class 8—Sealer of Weights and Measures, and Deputy	0	0	0	0	0	0	0
Totals	89	50	10	34	13	4	9

DIVISION AND CLASS.

Division "E"—Clerical Service.

	Applications.	Examined.	Passed.	Failed.	Appointed.	Discharged.	Resigned.
Class 1—Deputies and clerks	58	32	8	24	6	1	0
Class 2—Stenographic clerks	12	7	5	2	4	0	0
Class 3—Typewriters	0	0	0	0	0	0	0
Class 4—Messengers	0	0	0	0	0	0	0
Class 5—Stenographers (City Attorney and Municipal Court Dept.)	5	4	4	0	0	0	0
Class 6—Clerk of Free Employment Bureau	7	5	3	2	2	0	0
Totals	82	48	20	28	12	1	0

Division "F"—Mechanical Service.

Class 1—Superintendent Fire Alarm and Police Telegraph	0	0	0	0	0	0	0
Class 2—Linemen	2	1	0	1	0	0	0
Class 3—Pump Engineers	6	3	3	0	2	1	0
Class 4—Traction Engineers	9	6	3	3	1	0	0
Class 5—Bridge Carpenters	0	0	0	0	0	0	1
Class 6—Blacksmiths	3	0	0	0	0	0	1
Class 7—Metermen and tappers	18	18	12	6	16	0	2
Class 8—Calkers	5	0	0	0	0	0	1
Class 9—Electrical instrument makers	0	0	0	0	0	0	0
Totals	43	28	18	10	19	1	5

*On December 2 to 4, 1909, 6 applicants for Plumbing Inspector, Deputy Plumbing Inspector, were examined. Markings on above papers not yet made.

DIVISION AND CLASS.

	Applications.	Examined.	Passed.	Failed.	Appointed.	Discharged.	Resigned.
Division "G"—Miscellaneous Service.							
Class 1—Superintendent Street Cleaning Department.....	0	0	0	0	0	0	0
Class 2—Janitors, watchmen, elevatormen.....	15	8	2	6	1	0	0
Class 3—Poundmaster, deputy pound masters.....	15	6	5	1	2	0	2
Class 4—Gardeners	2	0	0	0	1	1	0
Class 5—Foreman laborers—Laborers, Street Cleaning Department. 267	185	136	49	45	6	22	
Class 6—Foreman laborers—Laborers, Water Department.....	63	33	15	18	14	1	19
Class 7—Foreman laborers—Laborers, Park and Engineering Depts. 164	112	76	36	59	16	14	
Class 8—Custodian Forestry building.....	0	0	0	0	0	0	0
Class 9—Harbormaster	0	0	0	0	0	0	0
Class 10—Cement tester	0	0	0	0	0	0	0
Class 11—Cement finisher	3	3	3	0	1	0	0
Class 12—Custodian of parks	0	0	0	0	0	0	0
Class 13—Foreman of Construction, Park Department.....	0	0	0	0	0	0	0
Class 14—Foreman of Maintenance, Park Department.....	0	0	0	0	0	0	0
Class 15—Mechanics, Park Department	5	2	0	2	0	0	0
Class 16—Foresters, Park Department.....	0	0	0	0	0	0	0
Class 17—Hostlers, Street Cleaning Department.....	5	3	3	0	1	0	0
Totals	539	352	240	112	124	24	57

RECAPITULATION.

Applications filed, 1909	1281
Examined, 1909	888
Passed, 1909	457
Failed, 1909	425
Appointed, 1909	281
Discharged for cause, 1909.....	41
Resigned, 1909	131

Appended to this report is a copy of the rules adopted by this commission, and in force at the present date.

The expenses for the twelve months beginning January 1, 1909, and ending December 31, 1909, have been as follows:

Salary secretary	\$1,200.00
Salary stenographic clerk	900.00
Stationery and office supplies	352.66
Advertising	41.90

Total\$2,494.56

Respectfully submitted.

P. L. WILLIS,
WM. L. BREWSTER,
A. P. ARMSTRONG.

ANNUAL REPORT

— OF —

Harbor Master

Portland, Or., December 31, 1909.

To the Honorable Mayor and Council of the City of Portland.

Gentlemen: I have the honor to submit my annual report for the year ending December 31, 1909, with the shipping record of the port appended.

The office of the Harbormaster has been moved from the City Hall to No. 35 Second street, where deskroom has been given free of charge through the courtesy of Mr. W. J. Jones, of the firm of Brown & McCabe. By this change of office location I am kept in touch with all matters appertaining to the shipping, and am in constant communication with masters of vessels, who make the vicinity of this office their headquarters.

All vessels arriving within the corporate limits of the City of Portland have been boarded, and a copy of the rules and regulations governing the harbor given each master for his guidance while in port. These regulations are printed in both the English and French languages.

Four arrests were made for throwing debris into the waters of this harbor, convictions being obtained in each case.

Five large snags found in the ship channel of the harbor, same being a menace to navigation, were removed, using the harbor patrol boat to tow the same clear of the shipping. Other snags too large to be handled by the patrol boat were removed by the United States Engineers and the Port of Portland.

The dumping of ashes, ballast and other debris into the waters of this harbor has been stopped. All vessels are now required to keep their ashes on board, where they can be seen by the harbor patrol or else removed by a barge or scow. This tends to save considerable expense for unnecessary dredging.

The speeding of steamboats within the harbor limits, which caused considerable damage and expense to vessels lying at the docks, is now

a thing of the past; but three arrests were made for exceeding the speed limit in the harbor, and convictions being obtained in each case.

Considerable trouble has been caused this office by scow-dwellers that live on the banks of the river within the harbor limits. Fighting and disorderly conduct has been the favorite pastime of many of them. These scow-dwellings have harbored ex-convicts, river thieves and prostitutes. By order of his honor, Mayor Simon, notices were posted ordering these scow-dwellers to move from the limits of the harbor of the City of Portland. We have been successful in removing a large number of them; some of those remaining have the permission of people owning the property they occupy, and will not move. On December 22 an ordinance was passed by the City Council prohibiting scow-dwelling within the limits of the harbor of the City of Portland, and ten days' notice given to all scow-dwellers to leave this harbor. A hardship may be imposed upon a few of these scow-dwellers, who are respectable people, but at the same time the manner of living of the majority of these scow-dwellers is a menace to the public health and good order of the city. Thirteen scow-dwellers were arrested for trespass, convicted in the Municipal Court and given 24 hours to leave the harbor. Three of these people occupying scow-dwellings and being without funds to pay the cost of removal from the harbor, they being good and deserving people, the expense of the same was defrayed by the city.

The docks of this harbor that heretofore have been in darkness at night when vessels were made fast thereto and have been the cause of numerous accidents, are now well lighted, with the result that no accidents have occurred this year, it being necessary to make but one arrest for violation of this ordinance.

Wednesday, March 3, C. L. Smith was appointed night watchman on Madison street bridge, with orders to report to this office for instructions as to his duties, the bridge then being out of commission and turned over to the city. On July 7 Robert Wakefield, contractor, assumed charge of the bridge, the City of Portland removing this night watchman, who was employed by said contractor, the contractor then being responsible for the lighting of the draws, etc. On July 13 all property belonging to the City of Portland was removed from the bridge and placed in the storeroom adjacent to the fireboat.

I would earnestly recommend that the city build a suitable dock at the foot of Stark street for free use of the public as a landing place, there being nothing there now but an old float and gangway that is entirely out of place for a large city like Portland. These floats must be shifted from time to time, according to the stage of the river. Large numbers of people daily pass this place, and all foul matter

coming from the sewer, which empties into the river close to the floats, is always exposed to public view. This landing place is used by masters and officers of vessels coming to this port, and by a large number of citizens who have private launches, the number of which is increasing year by year. This is the only place the City of Portland has for the free use of the general public. The growth of the shipping of this port, and the large increase in the number of boats having occasion to use this slip, make it desirable that a suitable landing be erected at this place.

September 11 the new harbor patrol boat was launched, and christened "Elidor," in honor of the nieces of Mayor Simon. The launching took place in the presence of the Mayor, city officials and a large number of citizens. October 7, after being thoroughly tried, the launch was formally accepted by the city, and is now being used to patrol this harbor. C. Gilliland received the temporary appointment of engineer of the patrol boat, and Officers H. L. Carlson, J. C. Moloney, and M. E. Lillis, members of the police department, have been assigned to this department. For the good of the public service the patrol boat should be in commission both night and day, at present there being but one engineer, who is on watch in daytime, compelling the officers on watch at night to patrol the wharves and docks only, not enabling them to patrol the river, which is very necessary. I would recommend that two engineers be regularly appointed in order to maintain an efficient night and day patrol of the wharves and river.

Uniforms to be worn by the Harbormaster and members of the harbor patrol when on duty have been prescribed by the Executive Board.

A total of 26 arrests were made by this department during the year 1909.

This department is working in co-operation with the Federal Government, the United States engineers and Customs Department.

Officer H. L. Carlson, of the Police Department, who has been assigned to this office for the past two and one-half years, has at all times been a careful, conscientious and painstaking officer, responding to duty at all times, regardless of hours worked.

In conclusion I desire to thank Your Honor, members of the Council and Executive Board for the valuable support and counsel given me at all times. Very respectfully submitted.

J. SPEIER, Harbormaster.

* Imports by countries for the fiscal years ending June 30, 1909.

Asia, A. O.....	\$ 1,068
Australia	18,256
Austria-Hungary	9,565
Belgium	203,283
British India	797,524
British East Indies	5,832
Canada	54,939
Chile	40
Chinese Empire	41,622
Cuba	11,302
Denmark	192
Dutch East Indies	7,349
Ecuador	100
France	52,534
Germany	159,261
Greece	15,830
Hong Kong	113,082
Italy	6,282
Japan	402,105
Mexico	7,904
Netherlands	11,529
New Zealand	18,323
Norway	11,094
Panama	10
Philippine Islands	164,543
Portugal	518
Russia, Asiatic	599
Russia, European	75
South Africa, British	12
Spain	438
Straits Settlements	135,302
Sweden	286
Switzerland	2,035
Turkey in Europe	2
United Kingdom	207,680
Nicaragua	400
Total	\$2,460,912

Principal imports by commodities, for fiscal year ending June 30, 1909:

	Quantity.	Value.
Bags, jute, pounds	10,469,843	\$ 545,931
Burlap, pounds.....	5,174,692	273,131

Cement, pounds	72,563,896	252,599
Coal, tons	9,109	27,645
Coffee, pounds	84,816	13,301
Coke, tons	806	3,518
Earthenware		69,351
Firebrick, tons	1,007	4,239
Iron, pig and bar, tons.....	1,570	21,840
Malt liquor, gallons.....	6,809	6,911
Manila, tons	1,545	164,399
Fibers, others, tons	253	33,304
Matting, square yards	195,647	16,009
Oil, nut, gallons	13,518	6,290
Oil, olive, gallons	6,010	11,016
Rice, pounds	5,138,988	113,265
Silk, raw, pounds	4,533	16,078
Spices, pounds	382,385	27,747
Spirits, gallons	27,313	26,699
Sulphur, tons	138	3,460
Tapioca, pounds	344,943	7,588
Tea, pounds	492,587	104,118
Tin in bars, pounds	339,168	104,321
Toys		15,833

And smaller quantities of cotton, metal, silk and wool manufactures, etc., to make up total imports for fiscal year \$2,460,912.

Exports by countries for fiscal year ending June 30, 1909:

Africa, Portuguese	\$ 159,675
Australia	173,354
British India	22,387
Chinese Empire	256,619
Denmark	48,390
Hong Kong	1,552,007
Japan	548,145
Mexico	174,677
New Zealand	67,317
Peru	64,857
Philippine Islands	177,982
Russia, Asiatic	231,109
South Africa, British	56,666
Straits Settlements	14,862
United Kingdom	6,159,397
Total	\$9,707,444

Principal exports by commodities, fiscal year ending June 30, 1909:

	Quantity.	Value.
Barley, bushels	822,510	\$ 549,485
Cotton, pounds	717,715	71,487
Explosives		66,614
Fruits		2,824
Lard, pounds	136,228	9,047
Lumber, feet	126,748,000	1,010,481
Wood, other, and manufactures.....		10,200
Machinery		3,988
Paper, printing, pounds	2,554,744	53,377
Twine and cordage		20,450
Wheat, bushels	6,350,033	5,791,304
Wheat flour	552,423	2,160,681

And smaller quantities of fish, meats, vegetables, nursery stock, etc., to make total exports for fiscal year \$9,707,444.

Wheat exports from Portland (foreign):

	Bushels.	Value.
January	664,244	\$ 622,988.00
February	276,619	270,031.00
March	109,138	103,500.00
April		
May		
June		
July		
August		
September	465,987	432,040.00
October	1,910,998	1,795,151.00
November	1,095,856	1,067,287.00
December	1,153,636	1,093,654.00
	5,676,478	\$5,386,651.00

Flour exports (foreign):

	Barrels.	Value.
January	71,316	\$ 285,465.00
February	33,111	132,445.00
March	56,926	226,453.00
April	42,550	170,092.00
May	8,225	34,302.00
June	1,000	4,750.00
July	11,248	51,621.00
August		

September		
October	39,203	176,289.00
November	30,797	138,606.00
December	68,462	308,080.00
	362,838	\$1,528,096.00

Lumber exports (foreign):

	Feet.	Value.
January	2,037,862	\$ 22,633.00
February	11,903,146	169,204.00
March	6,133,214	80,164.00
April	9,341,897	104,345.00
May	5,073,362	52,945.00
June	6,884,955	81,484.00
July	13,945,367	137,181.00
August		
September	5,368,627	51,726.00
October	9,670,833	107,035.00
November	8,387,247	89,533.00
December	10,176,625	117,639.28
	88,923,135	\$1,013,889.28

Wheat exports from Portland (coastwise):

	Bushels.	Value.
January	400,811	\$ 388,787.00
February	382,266	401,379.00
March	619,653	681,620.00
April	426,822	512,186.00
May	240,305	288,366.00
June	188,236	225,883.00
July	109,936	127,528.00
August	175,756	161,695.00
September	256,990	236,431.00
October	397,677	385,747.00
November	537,156	542,528.00
December	698,811	789,656.00
	4,434,423	\$4,741,806.00

Flour exports from Portland (coastwise):

	Barrels.	Value.
January	16,967	\$ 72,110.00
February	19,015	104,582.00

March	29,219	146,095.00
April	25,871	142,290.00
May	34,842	191,631.00
June	47,025	282,150.00
July	21,247	127,482.00
August	12,233	70,951.00
September	7,496	39,353.00
October	14,426	69,245.00
November	18,854	99,926.00
December	21,762	121,215.00
	268,957	\$1,467,030.00

Lumber exports (coastwise):

	Feet.	Value.
January	9,700,000	\$ 126,100.00
February	8,177,000	104,582.00
March	12,180,000	152,250.00
April	6,239,200	77,900.00
May	8,764,000	109,550.00
June	3,425,000	42,812.00
July	8,344,000	108,472.00
August	8,620,000	112,060.00
September	9,255,000	120,315.00
October	8,414,000	109,382.00
November	7,556,500	86,900.00
December	7,040,200	81,353.00
	97,714,900	\$1,231,756.00

MISCELLANEOUS.

Passengers arrived by ocean-going vessels.....	18,960
Passengers departed by ocean-going vessels.....	20,906

	No.	Net Tonnage.
Vessels entered at Portland.....	724	860,960
Vessels clearing from Portland	699	849,777

The following amounts of oil were received at the several oil tanks along the Willamette River:

Fuel oil, barrels	2,323,049
Gasoline, gallons	4,166,166
Refined oil, gallons	3,993,214

ANNUAL REPORT

—OF—

Sealer of Weights and Measures

To the Honorable Mayor and Members of the Council of the City of Portland, Oregon.

Gentlemen: I submit the following report for the office of the Sealer of Weights and Measures for the year 1909.

During the past year the office has devoted a considerable portion of the time to the inspection of both wood and coal. A great many complaints having been made as to short measurements and wherever the facts justified, prosecutions were instituted in the Municipal Court.

The office has made an earnest effort to compel fuel dealers to properly pile wood, so that just measurement could be taken. In all cases where loose piling, or bulkbeading, has been resorted to, allowances have been made by this office. One test case having been taken to the Municipal Court, and a conviction secured, and on appeal to the Circuit Court, the finding of the lower court was sustained.

In numerous cases where wood has been bought outside the city limits, and delivered within, measurements have been taken and certificates issued to the purchaser (fuel dealer or consumer), enabling him to make a fair settlement with the seller.

Following is a statement of the wood measured and complaints filed:

Wood measured on specific complaint, cords.....	594
Complaints filed, Municipal Court	11
Convictions secured	9
Acquittals	2

In addition to above statement a great many wagons while delivering both wood and coal, have been stopped and contents inspected, while en route to their destination.

Under scales inspected I submit the following statement:

Scales inspected	1,166
Scales sealed	1,079
Scales inaccurate and ordered repaired.....	54

Scales condemned and ordered removed.....	40
Weights tested	1,151
Weights inaccurate and removed	39
Weights adjusted and returned	28
Weights condemned and destroyed	11

In addition to the above statement we have inspected all the public wagon scales at least twice, condemning two until they were rebuilt and found accurate; also retesting the scales on Front street and those of the principal markets in the city.

During the past summer considerable time was devoted to seeing that all ice wagons were equipped with accurate ice balances, in compliance with the ordinance.

In general the scales have been found to be in much better condition than during the preceding years.

Respectfully submitted.

F. G. BUCHTEL,

Dated January 12, 1910.

Sealer of Weights and Measures.

ANNUAL REPORT

— OF —

Municipal Judge

	Bail forfeited.	Fines paid.	Costs paid.
July 1 to July 31, 1909.....	\$ 232.00	\$ 1,567.00	\$ 32.50
Aug. 1 to Aug. 31, 1909.....	263.00	1,425.00	25.00
Sept. 1 to Sept. 30, 1909.....	193.00	1,957.50	64.00
Oct. 1 to Oct. 31, 1909.....	187.00	2,508.00	79.50
Nov. 1 to Nov. 30, 1909.....	177.00	3,334.00	78.50
Dec. 1 to Dec. 31, 1909.....	80.00	1,535.00	138.50
Totals	\$1,132.00	\$12,326.50	\$418.00

RECAPITULATION.

Bail forfeitures	\$ 1,132.00
Fines paid	12,326.50
Costs paid	418.00
Total	\$13,876.50

I hereby certify that the foregoing is a full and complete statement of all forfeitures, fines and costs received by the Municipal Court and a correct statement of all moneys remitted to the City Treasurer from July 1, 1909, to January 1, 1910.

FRANK S. BENNETT,

Attest: Municipal Judge for the City of Portland.
N. D. BEUTGEN, Clerk.

ANNUAL REPORT

— OF —

Street Cleaning and Sprinkling Department

Portland, Or., December 31, 1909.

To the Honorable Mayor and Executive Board of the City of Portland.

Gentlemen: I have the honor to submit the following report of the operation of the Street Cleaning and Sprinkling Department during the year 1909, showing therein the number of miles of improved streets to be cleaned and sprinkled, the amount of work accomplished, the cost thereof and the number of men employed.

Number of Men Employed.—There were on an average 125 men employed monthly in cleaning and sprinkling streets of this city. This force was divided into two shifts, a day and night shift.

Day Shift.—The day shift consisted of 73 men and equipment, detailed as follows: Sixteen men who scraped and cleaned up the dirt into piles, and 30 men with carts for hauling it away. This force was detailed exclusively to clean streets improved only with macadam and gravel, and the gutters at the sides of such streets. They cleaned an average of 36,980 square yards (one and one-half lineal miles) per day, at an average cost of \$.0031 per square yard, or \$76.43 per lineal mile. Total cost for cleaning gravel and macadam streets for the year, \$49,332.45. There are 181 miles of macadam and gravel streets in the city. It takes the present day force 121 days to clean that class of streets.

Twelve men were detailed to operate two power brooms, one sprinkler, four carts and five hand brooms for cleaning the hard-surfaced streets in the outlying districts. They clean an average of 73,950 square yards (three lineal miles) per day, at a cost of \$.0041 per square yard, or \$10.00 per lineal mile. Total cost for cleaning hard-surfaced streets per year, \$9,390.00.

Ten men were detailed to clean crosswalks, at a total cost of \$7,825.00.

Two men with carts were detailed to pick up the dirt taken from the catchbasins throughout the city, at a total cost of \$1,565.00.

Three men with hand carts, and one man with horse and cart were detailed to clean up the horse droppings, at a total cost of \$920.00 for three months.

Total cost of all cleaning by day shift, \$69,032.45.

Night Shift.—The night shift consisted of 52 men, 9 power brooms, 3 sprinklers, and 18 carts. This force was detailed exclusively to clean at night such streets as are improved either with asphalt, bitulithic, brick, stone, wooden blocks, hassam and plank roadways, and also bridges in business district. They cleaned an average of 690,200 square yards (twenty-eight lineal miles) per night, at an average cost of \$.00019 per square yard, or \$.465 per lineal mile.

Total cost for night work for the year, \$31,264.90.

There are seventy miles of streets improved with hard-surfaced pavements in this city. With the force available for cleaning such streets, it was only possible to clean one-half of that distance each day, therefore some of the hard-surfaced streets were not cleaned oftener than once a week.

Cost of cleaning by day for the year.....	\$ 69,032.45
Cost of cleaning by night for the year.....	31,264.90

Total	\$100,297.35
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Sprinkling.—The city had thirty-five water sprinklers, which were operated every weekday during the summer season, unless it rained. They were operated by private individuals and their teams, under the direction of the Superintendent of the Street Cleaning and Sprinkling Department, at a cost to the city of \$5.00 per day for each driver and team. It was cheaper to hire the work done in this way during the four months when sprinkling is needed, than to buy extra horses and pay for their care and feed during the other eight months of the year, when they were not needed; moreover, the appropriation for cleaning and sprinkling streets would not admit of doing otherwise. One hundred and forty miles of streets were sprinkled per day at an average cost of \$1.15 per mile.

Total cost for water sprinkling for the year, \$12,760.00.

In addition to the above sprinklers, there were three electric sprinkling cars operated, at a cost of \$1.15 per hour. These cars sprinkled an average of forty-seven miles of streets per day, at an average cost of 74 cents per mile.

Total cost of electric sprinkling for the year, \$4,540.27.

The city now has four oil sprinklers, which oiled forty-one miles of streets, at an average cost of \$130.12 per mile, making a total cost of oiling streets, \$5,335.00.

Three of the above oil sprinklers were ordered March 1, 1909, but owing to the fault of the shippers did not arrive until July 1. If they had arrived in May, a much larger territory would have been oiled.

Total cost of sprinkling streets with oil and water for the year, \$22,635.27.

The appropriation for the year 1909 was \$205,433, of which \$163,901.70 was expended, as follows:

Labor	\$100,897.35
Hired teams on sprinklers	12,760.00
Electric car sprinklers	4,540.27
Oil for oiling streets	4,725.00
Horse feed	14,079.11
New equipment	5,461.38
Purchase of horses	5,280.00
Veterinary surgeon	240.00
Sawdust	147.00
Blacksmithing	377.79
Horseshoeing	2,197.90
Split bamboo	3,627.11
Harness	1,032.25
Repairs to city barn	471.23
Hardware	672.40
Drugs	207.74
Paints and oils	173.21
Lumber	459.39
Rent of lots adjoining barn	62.00
Miscellaneous	3,510.57

Total	\$163,901.70
Leaving a balance of	\$ 41,531.30

In the estimate of expenditures for 1909 there was included the following:

Purchase of ground and construction of barn on East Side..	\$20,000.00
Equipment for same.....	7,150.00
Pay of additional laborers for same.....	9,637.00

Total	\$36,787.00
-------------	-------------

The barn was not built nor the equipment purchased, therefore this appropriation was not expended.

Real property in charge of the Street Cleaning and Sprinkling Department:

Lots 5, 8, 9, 10, 11 and 12, block 251, Davenport Addition (with two-story barn).

Lots 1, 2 and 8, block 251, Holladay Addition (with two-story barn).

Live Stock.—Live stock on hand January 1, 1909, as follows:

Horses	77
Died during year.....	5
Given away by Executive Board because of old age.....	1.
Unfit for service, sold.....	6—12

	65
Purchased	29

Total on hand December 31, 1909..... 94

Money was collected and paid to the City Treasurer by this department as follows:

From the Portland, Light & Power Company, for damage to power broom	\$257.50
From the sale of six horses.....	565.00
From the sale of 3,000 empty grain sacks.....	85.50

Total\$908.00

Respectfully submitted,

ALEX DONALDSON,

Supt. Street Cleaning and Sprinkling Department.

ANNUAL REPORT

— OF —

Pound Master

Portland, Or., December 31, 1909.

To the Honorable Mayor and Executive Board of the City of Portland, Oregon.

Gentlemen: I respectfully submit the annual report of the Pound Department for the year ending December 31, 1909, together with recommendations.

Since my appointment, March 1, 1909, I have endeavored to enforce the law and rid the city of the many unlicensed dogs.

During the license year (September 1, 1908, to September 1, 1909), 1890 male and 182 female dog licenses were issued, \$6,580.00 was collected; \$995.40 was collected as pound fees, bringing the total for the year to \$7,575.40, against \$6,588.80, appropriated for the maintenance of this department, making it self-sustaining.

Special attention has been given to the removal of dead and injured dogs from the streets; also diseased and stray dogs.

During the present year I have endeavored to enforce the law more strictly. A house to house canvass was started October 15, notices were served, and the following day given to procure license. Failure to do so resulted in arrest. Fifty complaints were entered and two hundred are pending, two thousand notices having been served; forty-eight convictions were obtained. This is a much better method in my opinion than impounding the dogs. Persons not wishing to pay the license are given an opportunity to bring their dogs to pound, where possible, I have charged a fee of 50 cents to cover expense of sending man to remove dogs that owners wish us to call for; also for removing dead dog from residences.

The license for the current year has increased over last year at this early date. Since September 1, 1909, 2,315 male and 300 female licenses were issued, \$8,445.00 was collected, \$325.30 was collected as pound fees, bringing the total of \$8,970.30 against the sum of \$7,940.30 asked to be appropriated for the ensuing year, to maintain this department.

The decrease in the amount of stock impounded is due to the removal of dairies from city limits; also the sale of same. I have used every means to notify owners when stock is impounded; with a few exceptions all stock has been redeemed and not sold.

Some means should be provided for the disposal of diseased and old horses; a number have been taken up by this department during the year and killed. The city is put to the expense of caring for and advertising same for sale. It is impossible to get a bid sufficient to pay costs. I have had the Humane Officer look at the animals when they came in, and as long as they are able to stand and eat he is unwilling to kill them, saying he would be liable to suit if he did so.

Two horses of this department were sold at public auction by the Auditor; one on August 20, 1909, for \$45.00, to Mrs. H. B. Moodie, money remitted to Treasurer's Office and receipt No. 22722 given for same; one white mare sold August 31, 1909, for \$47.00 to T. Hughes, Treasurer's receipt No. 22858.

There are four districts described in Ordinance No. 12474 exempted from the pound limits. Owing to the growth of the city adjacent to these districts, would ask that ordinance be repealed.

That Section 6, of Ordinance No. 5926, as amended by Ordinance No. 10134, be amended as to minimum fine fixed. In my opinion a fine of \$10.00 is too much in most cases. The present method is to allow persons arrested to procure license and pay \$3.00 costs; case is then dismissed, which is all right in the majority of cases, but in some cases where persons are aggressive a fine is necessary. I would suggest that a minimum fine of \$5.00, instead of \$10.00, as the ordinance now reads; also change the number of days of imprisonment from five days to two and one-half days; leave maximum as written in ordinance.

Respectfully submitted,

BOYD R. WELCH,
Poundmaster, City of Portland.

Pound Master's Annual Report of Stock and Dogs Impounded

REPORT OF STOCK IMPOUNDED	Month	Animals Left in Pound at Date			Animals killed, No. of	Other Animals, No. of	Cattle, No. of	Horses, No. of	Amount received for Stock Redeemed	Amount received for Stock Sold	Amount received for Feeding Stock	Total Amounts re- ceived for stock impounded
		Horses	Cattle	Other Animals								
January	-----	10	6	1	*1	1	9	10	48 70	\$ 14 50	\$ 11 55	74 75
February	-----	1	7	1	---	1	7	1	22 50	---	1 50	24 00
March	-----	5	7	1	---	3	7	5	34 31	9 94	7 40	51 65
April	-----	12	50	---	---	---	50	12	161 30	18 50	9 25	188 70
May	-----	11	16	---	---	---	16	11	68 20	---	2 25	70 45
June	-----	10	18	---	*1	---	18	10	71 00	---	6 00	77 00
July	-----	17	55	---	---	---	55	17	186 41	7 44	9 25	203 10
August	-----	4	11	---	---	---	11	4	37 50	---	75	38 25
September	-----	11	23	---	*1	---	23	11	96 60	4 20	5 75	106 55
October	-----	8	18	---	---	---	18	8	67 40	---	7 25	74 65
November	-----	6	37	---	---	---	37	6	105 00	3 00	3 25	111 25
December	-----	5	8	---	*1	---	8	5	34 80	---	6 20	41 00
Total,	-----	100	256	5	4	5	256	100	\$ 933 72	\$ 57 23	\$ 70 40	\$ 1061 35

* Horses condemned and killed by Humane Officer.

Poundmaster's Annual Report of Stock and Dogs Impounded—Continued

REPORT OF DOGS IMPOUNDED	Month	Total,												Total Amount from all Sources
		Dogs caught	Licensed Dogs Redeemed	Unlicensed Dogs Redeemed	Dogs Killed	Dogs given away	Dogs Sold	Dogs dead—Removed From Streets	Dogs Dead—Deliver- ed to Crematory	Dogs Left in Pound at Date	Amount Received for Dogs Redeemed	Amount Received for Dogs Sold	Amount Received for Feeding Dogs	
January	20	---	---	---	20	---	---	39	59	---	---	---	---	74 75
February	51	---	1	41	3	3	26	67	6	50	3 00	---	3 50	27 50
March	104	5	25	49	3	9	53	102	13	14 50	10 00	1 00	25 50	77 15
April	166	5	27	82	2	13	39	121	36	25 00	13 00	9 10	47 10	235 80
May	181	5	46	57	3	34	35	92	36	25 50	15 00	18 20	58 70	129 15
June	191	5	33	105	7	28	54	159	13	19 50	12 00	15 00	46 50	123 50
July	152	6	39	63	8	16	35	98	20	26 50	12 00	10 50	49 00	252 10
August	98	2	4	69	6	17	49	118	---	8 50	18 00	11 70	38 20	76 45
September	239	2	79	67	6	29	37	104	56	84 00	23 50	18 55	126 05	232 60
October	409	7	121	201	11	30	27	228	39	125 00	30 50	24 60	180 10	254 75
November	244	3	57	134	6	14	33	187	10	64 50	17 90	11 70	94 10	205 35
December	107	0	5	85	1	4	24	109	12	14 00	7 00	3 30	24 30	65 30
Total	1962	37	457	993	53	197	451	1444	225	407 50	261 90	123 65	693 05	1754 40
Male Dog License issued from Sept. 1, 1908 to Sept. 1, 1909, 1890														
Female	"	"	"	"	"	"	"	"	"	Amount collected,	\$5,670.00	\$	6,580.00	
"	"	"	"	"	"	"	"	"	"	"	910.00	"	910.00	
"	"	"	"	"	"	"	"	"	"	"	1,500.00	"	1,500.00	
Male	"	"	"	"	"	"	"	"	"	"	6,945.00	"	8,445.00	

Estimate for 1900 and Expenditures. Estimate for 1910.

Amount Appropriated 1909, \$6,688.80	Estim. for 1909	Expenditures	Estim. for 1910	Explanation
Salary, Poundmaster @ \$50.00	\$1080 00	\$1012 50	\$1500 00	Increase in Salary
Salary, 3 Deputies . . @ 35.00	3060 00	3031 17	3060 00	
Salary, 1 Extra @ 85.00	510 00	297 50	510 00	
FEED	\$4650 00	\$4341 17	\$5070 00	
20 tons Eastern Oregon				
Timothy Hay @ \$20.00	400 00	379 37	520 00	
14 tons No. 1 White Oats 30.00	420 00	311 74	420 00	Increase in price of bran
3 tons No. 1 Country Bran 20.00	60 00	54 67	75 00	
100-lbs. Salt 1.00	1 00		2 50	
Dog Meat	100 00	80 76	180 00	Increase in meat acct.
2 Saddle Horses . . @ \$125.00	250 00	200 00	1197 50	
1 Dog Wagon	150 00			
	400 00	200 00		Carried in miscellaneous acct.
Lumber for Repairs	15 00		180 00	
Horseshoeing	120 00	103 16		Carried in miscellaneous acct.
Books, etc.	10 00	11 65		
Rent East Side Pound	187 80	172 15	187 80	
Repairs, Buggies and Wagons	50 00	29 75		Carried in miscellaneous acct.
Repairs, Harness and Saddles	25 00	12 90		Carried in miscellaneous acct.
Miscellaneous	150 00	78 50	300 00	
NEW EQUIPMENT	557 80	408 11	667 80	To replace present horses, old
3 Rid. and Driv. Horses @ \$200			600 00	wagon, "
One Dog Wagon			300 00	" "
One Buggy, Harness, single			30 00	" "
One Roll Top Office Desk			25 00	" desk
Two Saddles			50 00	" saddles
	\$6588 80	\$5775 82	\$7940 30	
Total.				

ANNUAL REPORT

— OF —

Library Association

Receipts and Disbursements From Dec. 28, 1908, to Oct. 30, 1909.

GENERAL FUND.

Receipts—

On hand December 28, 1908.....	\$ 5.14
Public library tax, county	27,711.17
Public library tax, city.....	25,262.90—\$52,979.21

Disbursements—

	Book Com.	House Com.	Library Ex. Com.	Total.
Binding	\$ 2,770.59	\$	\$ 36.85	\$ 2,807.44
Books	909.72	.....	3,856.29	4,766.01
Expense	106.16	338.68	1,008.57	1,453.41
Fuel .....	.....	328.15	157.40	485.55
Furn. and fixtures..	11.08	392.95	403.82	807.85
Insurance .....	.....	251.00	.....	251.00
Light .....	.....	480.00	209.47	689.47
Periodicals	956.77	.....	451.79	1,408.56
Print. and supplies.	1,398.02	9.20	176.48	1,583.70
Repairs	7.45	1,909.40	120.08	2,036.93
Salaries	17,498.15	1,700.00	6,821.73	26,019.88
Street assessment..	.....	350.88	.....	350.88
Transp. and postage	258.93	.05	290.11	549.09
Water .....	.....	37.10	.....	37.10—\$43,246.87

\$23,916.87 \$5,797.41 13,532.59

Balance\$ 9,732.34

BOOK FUND.

Receipts:

On hand December 28, 1908.....	\$ 2,701.60
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PORTLAND, OREGON

303

Fines	1,845.89
Books paid for	32.11
Donations, Miss May Failing	785.12
Refund on Voucher No. 2,628.....	25.00
Interest on investment funds, December 28, 1908	5,423.75
Cash on hand December 28, 1908.....	489.33—\$11,302.80

Disbursements—

Books	\$ 6,829.96
Cash in hands of Librarian, October 30, 1909.....	667.33—\$ 7,497.29
	\$ 3,805.51

REPORT OF THE TREASURER.

Portland, Oregon, November 29, 1909.

To the Honorable Directors of The Library Association of Portland.
Gentlemen: I beg leave to submit herewith my annual report, as treasurer, for the year ending October 31, 1909.

In making this report I have followed the general form adopted by the treasurer in last year's report, and approved by yourselves.

R. L. SABIN, Treasurer.

Balance sheet, October 30, 1909—

General fund	\$13,831.47
Investment funds	382.50
Income investment funds	4,152.91
First National Bank, Portland, Or.....	\$18,366.88
	\$18,366.88 \$18,366.88

GENERAL FUND.

Receipts—

Balance to credit of this fund, Dec. 28, 1908.....	\$ 4,569.59
Public library tax, 1909.....	52,974.07
Amount of warrant No. 2646, returned.....	75.00—\$57,618.66

Disbursements—

Warrants	\$43,787.19
Balance in bank, October 30, 1909.....	\$13,831.47
Outstanding October warrants	4,099.13
Total	\$ 9,732.34

INVESTMENT FUNDS.

Balance in bank to credit of fund, October 30, 1909.....\$ 382.50

INCOME OF INVESTMENT FUNDS.

Receipts—

Balance to credit of this fund, Dec. 28, 1908.....\$ 3,305.51
 Interest on loans 5,423.75
 Deposited by Librarian 1,700.00
 Miss Mary F. Failing, contribution..... 785.12
 Donation 25.00
 Refund of insurance premium, Peterson property 19.00—\$11,258.38

Disbursements—

Warrants\$ 7,086.47
 Treasurer's check, No. 689, insurance premium on
 Peterson property 19.00—\$ 7,105.47

Balance in bank, October 30, 1909.....\$ 4,152.91
 Outstanding October warrants..... 347.40

Total\$ 3,805.51

SPECIAL EAST SIDE LIBRARY FUND.

Balance in this fund, Dec. 28, 1908.....\$ 740.10
 Warrants 740.10

FIRST NATIONAL BANK.

Balance, Dec. 28, 1908.....\$ 8,997.70
 Receipts, all sources 61,001.94—\$69,999.64

Disbursements—

General fund warrants\$43,787.19
 Income of investment fund warrants..... 7,086.47
 Special East Side Library fund warrants..... 740.10
 Treasurer's check, No. 689..... 19.00—\$51,632.76

Balance in bank, October 30, 1909.....\$18,366.88
 Outstanding October warrants, general fund....\$ 4,099.13
 Outstanding October warrants, income..... 347.40

Investment fund\$ 4,446.53

Total\$13,920.35

CONSTITUENTS OF BANK BALANCE.

Cash in general fund\$13,831.47
 Cash in investment funds..... 382.50

Cash in income investment funds.....\$ 4,152.91 \$18,366.88

CONSTITUENTS OF INVESTMENT FUND.

17/25 Charles Hegele note, payable to H. W. Corbett, trustee,
 secured by mortgage; interest at 6 per cent per annum;
 payable quarterly. Interest paid to Oct. 1, 1909.....\$13,600.00
 J. R. McCracken note, secured by mortgage; interest at
 6 per cent, payable quarterly. Interest paid to Sept.
 20, 1909 5,000.00
 F. E. Hart note, secured by mortgage; interest at 7 per cent,
 payable quarterly. Interest paid to July 18, 1909..... 1,000.00
 H. Hirschberg note, secured by mortgage; interest at 6½ per
 cent, payable semi-annually. Interest paid to July 2, 1909 8,000.00
 B. M. Lombard note, secured by mortgage; interest at 6
 per cent, payable quarterly. Interest paid to July 28, 1909 10,000.00
 J. H. Peterson note, secured by mortgage; interest at 6 per
 cent, payable quarterly. Interest paid to Feb. 14, 1909 2,000.00
 A. Berg note, secured by mortgage; interest at 5½ per cent,
 payable quarterly. Interest paid to August 1, 1909..... 30,000.00
 A. Berg note, secured by mortgage; interest at 6 per cent,
 payable quarterly. Interest paid to August 27, 1909... 20,00.00
 Portland Gas Co. bond, 5 per cent; interest payable semi-
 annually. Interest paid to August 1, 1909..... 1,000.00
 R. T. Platt note, secured by mortgage; interest at 6 per cent,
 payable quarterly. Interest paid to August 19, 1909..... 10,150.00
 G. E. Wharton note, secured by mortgage; interest at 6 per
 cent, payable annually. Interest paid to Sept. 1, 1909.. 1,200.00
 A. F. Holmboe note, secured by mortgage; interest at 6 per
 cent, payable semi-annually. Interest paid to Sept. 3, 1909 1,000.00
 H. A. Moser note, secured by mortgage; interest at 6 per
 cent, payable quarterly. Interest paid to Sept. 4, 1909.. 3,000.00
 J. L. Ledwidge note, secured by mortgage; interest at 6 per
 cent, payable semi-annually. Interest paid to Sept. 19,
 1909 700.00
 Geo. W. Akers note, secured by mortgage; interest at 6 per
 cent, payable quarterly. Interest paid to Sept. 1, 1909.. 3,000.00

Sam Hicks note, secured by mortgage; interest at 6 per cent, payable quarterly. Interest paid to Oct. 1, 1909.....	1,500.00
Frank Bollam note, secured by mortgage; interest at 6 per cent, payable quarterly. Interest paid to Sept. 22, 1909	1,000.00
Balance on hand to be loaned, October 30, 1909.....	382.50
	\$112,532.50

Book fund	\$25,250.00
Maintenance fund	50,000.00
Henry Failing bequest	10,000.00
John Wilson bequest	2,500.00
Hannah M. Smith bequest	782.50
Ella M. Smith bequest.....	14,000.00
Amanda W. Reed bequest.....	10,000.00
	\$112,532.50

R. L. SABIN, Treasurer.

REPORT OF THE LIBRARIAN.

To the Directors of the Library Association of Portland:

Herewith I beg to submit my eighth annual report detailing the work of the Library Association for its forty-sixth year.

According to the amended constitution the fiscal year closed on October 31, therefore this report covers a period of ten months.

As far as figures can tell, the story the work of the library for ten months may be summed up as follows:

Total number of volumes in library at end of year.....	83,588
Total number of volumes in lending collection at end of year	57,530
Total circulation from lending collection.....	386,680
Total attendance (approximate)	586,837
Total number of members	27,223

The following table indicates the distribution of membership, the circulation of books and the per cent of fiction read through the city and county:

	Sell- Central.	wood.	Albina.	East Side.	Sta- tions.	County Schools.	Total.
Membership ...	14,137	1,054	2,152	2,214	7,666	.....	27,223
Circulation	231,553	17,196	36,800	28,308	62,086	10,737	386,680
Per ct. fiction..	54	58	58	56	58	39	54

Children's Department.

Membership	5,456
Attendance, children (approximate)	57,567
Attendance, adults (approximate).....	9,319
Circulation	59,317
Circulation (pictures)	17,520

Reference Department.

Total attendance	52,895
Questions requiring research answered	2,710
Books brought for consultation from other departments.....	8,266
Circulation of books and plates.....	586
Reading lists compiled	22
Articles indexed	9,509

Periodical Room.

Attendance	86,400
Periodicals purchased	259
Periodicals given	66
Newspapers purchased	27
Newspapers given	82

Cataloguing Department.

Volumes catalogued during the year.....	11,649
Volumes plated, labeled and prepared for the shelves.....	15,776
Volumes prepared for binding.....	563
Volumes prepared for rebinding	3,973

Order Department.

Additions by purchase	9,860
Additions by gift	549
Additions by old books	1,536
Volumes withdrawn in 1909.....	2,469
Number of volumes in library Nov. 1, 1909.....	83,588
Number of pamphlets in library, Nov. 1, 1909.....	12,416

Sellwood Branch.

Membership	1,054
Attendance	21,067
Circulation	17,196
Volumes in the library	2,293

Albina Branch.

Membership	2,152
Attendance	43,924
Circulation	36,800
Volumes in the library.....	3,149

The district in which this branch is placed is very much alive and is growing rapidly.

East Side Branch.

Membership	2,214
Attendance	39,371
Circulation	28,308
Volumes in the library	3,459

County Department.

Reading rooms	9
Deposit stations	15
Fire companies	6
Membership	7,666
Circulation	62,086
Volumes in collection	6,037

Reading Rooms.

Circulation.

Arleta (opened January 10).....	6,922
Gresham	6,785
Lents	5,652
Montavilla	8,550
North Albina (opened May 20).....	3,965
Peninsular	5,960
South Portland	6,249
Troutdale	5,746
University Park	8,432

Deposit Stations.

The number of deposit stations changes from time to time. At present there are fifteen. The list follows:

Bridal Veil.	Germantown.	Palmer.
Brooks.	Hurlburt.	Pleasant Valley.
Cedarville.	Latourelle.	Powell Valley.
Corbett.	Multnomah.	Rockwood.
Fairview.	Orient.	Woodstock.

County Schools.

Total circulation	10,737
Volumes in school collection	3,617

Respectfully submitted,

MARY FRANCES ISOM, Librarian.

ANNUAL REPORT

—OF—

Park Board

The Park Board herewith submits its annual report for the year ending December 31, 1909.

Five hundred thousand dollars were available this year from the sale of the authorized issue of one million dollars worth of bonds.

The present board was inducted into office with the incoming administration last July.

Of the authorized issue of one million dollars worth of bonds, half a million were sold, and the proceeds used in acquiring new park property.

Peninsula and Sellwood Parks were acquired and part of Mt. Tabor when the present board took office; since, Kenilworth and Ladd Park were secured, and the completion of acquirement at Mt. Tabor still in progress. A detailed statement of methods pursued, costs, areas, etc., of each new property is shown in Appendix "A."

By these several takings, a total amount of approximately two hundred acres has been or is in process of being acquired. To this must be added in the case of Mt. Tabor, about forty-five acres, belonging to the Water Board. This property is bounded on three sides by Mt. Tabor Park, and will ultimately be available for use as an ornamental feature of the park.

The Water Board has under way the construction of two additional reservoirs on its forty-five-acre tract. The surface elevation of the water in the upper reservoir is one hundred and three feet above that in the lower. It is contemplated that by proper grading, masonry construction and supplementary planting, to utilize the large volume of water flowing from the upper to the lower reservoir in an ornate cascade display. Aside from the initial cost of construction, this feature can be arranged to indefinitely furnish a highly ornamental display of a very valuable and exceptional sort, virtually without cost for maintenance.

The board proposes to give this feature most careful attention, and have the plan very carefully and ingeniously devised to foster the utmost aesthetic value the opportunity offers.

In general, the land takings conform to the recommendations of Olmstead brothers, submitted a few years past. These recommendations were specific as to areas, but necessarily not exclusive. The board recognizes the desirability of acquiring property throughout the city with a view in the end to control the essence of the landscape offerings the community possesses. In supplying this principle to actual problems, it was found that at Mt. Tabor some of the marginal properties originally intended to be included had risen so rapidly in value as to be practically prohibitive. As a consequence all such that were not imperatively essential to conserve the landscape character prompting the selection were omitted.

Other properties as a whole were intended to serve the recreative needs of a local populace, and some of these were exclusively costly, consequently they were abandoned for an alternative.

In two instances the original taking was extended, one by the preceding board and the other by the existing members; the latter case was that of Ladd Park. To confine ourselves to the original recommendation would be to secure practically the swamp alone, whereas the extended taking includes many specimens of the grove of fine old firs, and it furthermore allows for providing that district with more reasonably ample and satisfactory park attributes.

The procedure in land taking is to first secure advice as to the site, area, boundaries and market value of the property under consideration. Contemporary with this and wherever possible so to do, alternative tracts are investigated, and preliminary negotiations entered into. When sufficiently far advanced to permit of full consideration of each parcel in its various aspects, conclusions are reached and recommendations to the Council to acquire.

The Council's action customarily has been to authorize the Mayor to acquire by friendly negotiation the various properties at prices not to exceed the respective amounts approved by the board, and failing to conclude such negotiations, to start condemnation proceedings.

Every reasonable effort is made to ascertain the actual value of property sought to be acquired, but this is not always readily accomplished, because in a community increasing in population rapidly, land values are apt to show quick and material change. In such cases the most satisfactory way of determining values for all concerned is by condemnation proceedings.

Authorization exists for the sale of the remaining half of the million dollar bond issue. In this connection the board desires to say that it entertains some doubt as to the wisdom of offering these for sale for the purpose of further park land purchases. There are now eighteen distinct park properties, and these should be developed, and

some of them should be connected by parkways. In the judgment of the board, much more intelligent selection of additional sites could be made were some of the outlying territories allowed to become more densely occupied, and thus give a clearer indication of just what provision would best supply the localities' needs. Particularly is this so since such remaining additional properties which it would be desirable to acquire in the near future are even now subject to lot prices.

It is deemed best to exert every effort in developing parkway connections. Should it prove necessary to procure more funds for acquiring property necessary for parkways or to hasten their construction, the sale of bonds will be considered.

The board has not deemed it to be wise to unduly hasten a new undertaking, such as parkway development is, without having first satisfied itself that the public's interest is being safeguarded.

Caution at this time regarding assessment of betterments is exercised in the belief that the community should be assessed locally for the land takings and bond funds should be applied to improvement. Manifestly it would be unjust were land and improvement costs paid for out of bond funds at this time, and later a statute passed, assuring betterment assessments on future work.

Proceedings are under way to test the validity of the assessment feature in the case of Macleay boulevard. Should the decision be favorable to the city, it is intended to push parkway development with all possible speed to the extent of the amount of the remaining authorized bond issue.

With the establishment and improvement of parkways and the improvement in partial degree of park properties, the board wishes furthermore to record its sense of the importance of establishing playgrounds.

The girls' section of North Parkway has been equipped with apparatus of the best modern type; the boys' section, as also Peninsula Park and Brooklyn playground, are to be put in readiness for next season's use, and if not prevented by unavoidable delays in securing title to the necessary land, a first class and fully equipped community center is to be established in South Portland.

The board has prepared plans for the Hillside Parkway and will start its construction in 1910.

The extension of parks has been made the subject of careful investigation. That more parks should be created from time to time is fully believed, but with the limited funds available, it is deemed that some construction is likewise eminently proper and timely.

When property is secured, there is usually policing to be done. The present organization requires little enlargement to care for considerable improvement, and this it is proposed to do.

The three principal activities of the board as now determined are: (1) Parkway extensions; (2) construction of parks and parkways, and (3), development and extension of playgrounds.

The development of our park system is now experiencing an awakening after many years of quiescence. That energetic steps are necessary to make amends for past procrastination seems clearly self-evident. The advisability of being certain as to the wisdom of its procedure is largely responsible for the caution and the consequent slow procedure of the board. It is expected that after the first stretch of boulevard has been put under construction, affairs can be very materially hastened.

Topographical surveys are being made of all park properties, and thereafter plans will be prepared and expenditures made only in conformity with them. Until each park or other property has reached that state of preliminary preparation, it is proposed to do no considerable work of any sort in any of them.

The principal work to be undertaken in 1910 is as follows:

Grading Hillside Parkway from South Parkway to Slavin Road;

Construction of a drive through Macleay Park, connecting a proposed street in King's Heights with Cornell road.

Of minor importance, there is to be some improvement made in several of the parks and in some playgrounds. As to distribution and extent, the board has not fully determined.

Maintenance work of the past year is indicated in the report of the Superintendent, and the cost thereof in the tabulated statement transmitted herewith.

All of which is respectfully submitted.

LIST OF BIRDS AND ANIMALS IN CITY PARK
Portland, Oregon, January 14, 1910

NAME	No.	Increase	How Increased	Lost	How Lost
Cockatoos	3			I	Consumption
Cockatoos, Asia	5	I	Donated		
Parrakeets	2				
Australia Parrots	2				
Australia Pigeon	2				
China Pigeon	I				
Mexican Parrot	I				
China Parrot	I				
Peruvian Arrow Bird . . .	I		Loaned		
Peruvian Sparrows	2	2			
Mexican O. Parrot	2	2	Donated		
Rattlesnake	I				
Alligator	I			I	Cold
Canary Birds	130	100	Raised Donated	3	
Golden Pheasants	9				
Silver Pheasants	I				
Japan Finch	I				
Carrier Pigeon	48	12	Raised 92		
Fan Tail Pigeon	8	8	Donated 8		
China Pheasant	40	30	Raised		
Peacock	2				
Guinea Hens	5				
Stork	I			I	Killed by swans
Copper Peasant	I	I	Donated		
Bantam Chicken	24	14	Raised		
Bald Head Eagle	4	I	Donated		
Golden Eagle	I				
Owls	5			2	Unknown cause
Snow Owls	3	2	Donated		
Alarm Owl	I				
Crows	3	I	Donated		
Guinea Pigs	100				
Monkeys	13	2	Raised I Donated I	2	Pneumonia
Rabbits	12	6	Raised	8	Lion Feed
African Lion	I				
Timber Wolf	I				
Coyotes	4			I	Killed by mate
Japanese Bear	I				
Lynx	I			I	Poison
Alaskan Dogs	2				
Foxes	3			I	Died of Old Age
Wild Cats	I				
Coons	7	I	Donated		
Badgers	I				
Polar Bear	I				
Black Bears	5	I	Donated		

LIST OF BIRDS AND ANIMALS IN CITY PARK—Con.
Portland, Oregon, January 14, 1910.

NAME	No.	Increase	How Increased	Lost	How Lost
Kangaroo	I			I	Weather condit.
Native Porcupine	2				
Japanese Deer	9	2	Raised		
Native Deer	3			3	2 bone affection, I injured by fence Senility
American Elk	7			I	
Buffalo	3				
Angora Goats	6	I	Donated	I	Operation
Gold Fish	12				
Silver Fish	15				
Swans	4				
African Geese	2				
Manchurian Geese	I				
Wood Duck	5				
Werchen Duck	4				
Teal	5				
Mallards	25	21	Raised		
Mandarin Duck	I				
Wild Geese	7				
Japanese Goose	I	I	Donated		
Silver Squirrels	2				
Grey Digger	2				
White Turkey	2				
Turtle	I				
Magpie	2	2	Donated		
White Rats	2				
Mountain Quails	5		Donated		
Bald Head Eagle	3				
Chicken Hawks	2	2	Donated		

Report for 1909.

Signed CHAS. HERRMANN, Keeper of Animals

Yearly Report of Board of Park Commissioner for Year 1909.

PARK		MAINTENANCE				
		Sweeping and Cleaning Walks	Repair- ing Walks	Cleani'g Roads	Repair- ing Roads	Sprink- ling Roads
Albina	Labor	\$ 50 50	\$-----	\$-----	\$-----	\$-----
	Supplies	-----	-----	-----	-----	-----
Baths	Labor	-----	-----	-----	-----	-----
	Supplies	-----	-----	-----	-----	-----
City	Labor	715 53	65 00	516 84	399 19	334 75
	Supplies	-----	-----	-----	780 00	-----
Columbia	Labor	306 25	15 00	-----	-----	-----
	Supplies	-----	-----	-----	-----	-----
Forestry Building	Labor	8 20	-----	-----	29 80	-----
	Supplies	-----	-----	-----	-----	-----
Fulton	Labor	-----	-----	-----	-----	-----
All Parks	Supplies	-----	-----	-----	-----	-----
Pennoyer	Labor	-----	-----	-----	-----	-----
Kenilworth	Supplies	-----	-----	-----	-----	-----
Holladay	Labor	80 63	-----	-----	-----	-----
	Supplies	-----	-----	-----	-----	-----
Ladd's Intersections	Labor	-----	-----	-----	-----	-----
	Supplies	-----	-----	-----	-----	-----
Macleay	Labor	67 79	286 22	-----	-----	-----
	Supplies	-----	-----	-----	-----	-----
Park Blocks	Labor	117 10	-----	-----	-----	-----
	Supplies	-----	-----	-----	-----	-----
Chapman and Lownsdale	Labor	209 05	-----	-----	-----	-----
	Supplies	-----	-----	-----	-----	-----
Sellwood Park	Labor	-----	-----	-----	-----	-----
	Supplies	-----	-----	-----	-----	-----
Terwilliger	Labor	26 89	-----	-----	-----	-----
	Supplies	-----	-----	-----	-----	-----
Mt. Tabor	Labor	-----	-----	-----	-----	-----
	Supplies	-----	-----	-----	-----	-----
Fountains	-----	-----	-----	-----	-----	-----
Hillside Parkway	-----	-----	-----	-----	-----	-----
Peninsula	-----	18 12	-----	31 88	-----	-----
Office	-----	-----	-----	-----	-----	-----
Ladd Park	-----	-----	-----	-----	-----	-----
Totals,		\$ 1600 06	\$366 22	\$548 72	\$1208 99	\$ 334 75

Yearly Report of Board of Park Commissioners for Year 1909—Cont'd.

MAINTENANCE							
Mowing and Care of Lawns	Seeding and Turving	Floral Display	Care of Trees and Shrubs	Fallen Leaves	Watching	Police	Play Grounds
\$168 70	\$-----	\$-----	\$ 8 75	\$ 25 00	\$ 18 87	\$-----	\$ 8 00
-----	-----	-----	-----	-----	-----	-----	-----
721 37	66 87	960 00	401 63	261 25	673 55	1349 08	40 00
-----	-----	1004 38	-----	-----	-----	-----	-----
515 00	-----	2059 68	-----	82 50	70 00	-----	-----
-----	-----	450 00	-----	-----	-----	-----	-----
127 15	-----	1 25	-----	-----	1131 20	-----	-----
-----	-----	26 12	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----
176 74	-----	-----	-----	26 25	28 93	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	152 50	-----	-----	-----	-----	-----
-----	-----	321 41	-----	-----	-----	-----	-----
-----	2 50	-----	10 93	9 38	290 96	-----	-----
1177 81	130 00	449 55	339 18	213 59	28 14	-----	124 98
427 83	9 69	-----	5 32	71 57	62 23	-----	50 62
-----	-----	-----	-----	-----	-----	13 75	-----
-----	-----	-----	-----	-----	-----	-----	-----
128 42	-----	11 25	116 25	-----	253 74	23 13	-----
-----	-----	-----	-----	-----	60 63	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----
1 25	-----	-----	199 68	-----	119 37	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----
3444 27	\$209 06	5436 74	1081 74	\$689 54	\$ 2737 62	1385 96	\$ 223 60

Yearly Report of Board of Park Commissioners for Year 1909—Cont'd.

PARK	MAINTENANCE				
	Bath Attend- ants	Toilet House Attend- ants	Forestry Work	Repairing Building and Bridges	Light- ing
Albina Labor	\$	\$ 83 53	\$	\$ 49 25	
Supplies					
Baths Labor	17 51				
Supplies					
City Labor		187 33	807 50	1162 27	2 55
Supplies					
Columbia Labor			121 25	17 46	
Supplies				2 00	
Forestry Building Labor			19 95	42 35	
Supplies					
Fulton Labor					
All Parks Supplies					
Pennoyer Labor					
Kenilworth Supplies					
Holladay Labor		51 25		1 56	3 00
Supplies		2 00			
Ladd's Intersections Labor					
Supplies					
Macleay Labor			373 77	18 44	
Supplies				2 00	
Park Blocks Labor		158 44	21 41	122 21	
Supplies					
Chapman and Lownsdale Labor		130 32		12 20	21 00
Supplies					
Sellwood Park Labor			58 75		
Supplies					
Terwilliger Labor			153 13	8 75	
Supplies					50 00
Mt. Tabor Labor			262 65		
Supplies					
Fountains					1 07
Hillside Parkway					
Peninsula			441 59	2 63	
Office					
Ladd Park					
Total,	\$ 17 51	\$ 612 87	2260 00	\$ 1441 12	\$ 77 62

Yearly Report of Board of Park Commissioners for Year 1909—Cont'd.

MAINTENANCE							
Picking Papers Etc.	Supplies	Plumb- ing and Repair- ing	Store House	Zoo	Foun- tains	Stables	Tele- phones
\$ 18 91	\$	\$ 28 43	\$	\$	\$	\$	\$
	39 22						
	28 75						
788 44		34 85	17 50	2024 12	53 75	73 12	
	1453 34			2235 54		2647 88	
22 50							
	358 86						
		40					
	134 72	76 71					
67 47					22 82		
	110 91	17 95					
	11 25						
	157 15						
22 50							
	10 67						
		4 37			50 79		
	139 44						
90 64	435 63				10 72		
2 51							
	135 14						
	254 40	289 36			2 62		
					9 00		
2 97		31					
	932 87						61 00
\$ 1015 94	\$ 4202 69	\$ 452 07	\$ 17 50	\$ 4259 66	149 70	\$ 2721 00	\$ 61 00

Yearly Report of Board of Park Commissioner for Year 1909—Cont'd.

PARK		SPECIAL		
		Labor	Plants and Supplies	Tools and Personal Property
Albina	Labor	\$-----	\$-----	\$-----
	Supplies	-----	-----	-----
Baths	Labor	-----	-----	-----
	Supplies	-----	-----	-----
City	Labor	378 13	-----	-----
	Supplies	1354 50	1100 00	-----
Columbia	Labor	92 90	-----	-----
	Supplies	-----	-----	-----
Forestry Building	Labor	135 00	-----	-----
	Supplies	-----	-----	-----
Fulton	Labor	10 00	-----	-----
All Parks	Supplies	-----	2666 34	-----
Pennoyer	Labor	-----	-----	-----
Kenilworth	Supplies	-----	-----	-----
Holladay	Labor	-----	-----	-----
	Supplies	-----	-----	-----
Ladd's Intersection	Labor	-----	-----	-----
	Supplies	-----	-----	-----
Macleay	Labor	-----	-----	-----
	Supplies	-----	-----	-----
Park Blocks	Labor	-----	-----	-----
	Supplies	-----	1057 00	-----
Chapman and Lownsdale	Labor	-----	-----	-----
	Supplies	-----	-----	-----
Sellwood Park	Labor	-----	-----	-----
	Supplies	-----	-----	-----
Terwilliger	Labor	-----	-----	-----
	Supplies	-----	-----	-----
Mt. Tabor	Labor	-----	-----	-----
	Supplies	-----	-----	2 45
Fountains	-----	-----	-----	-----
Hillside Parkway	-----	-----	-----	-----
Peninsula	-----	1266 05	488 32	63
Office	-----	4173 60	-----	-----
Ladd Park	-----	-----	-----	-----
Totals,	-----	\$7404 18	\$5311 66	\$3 08

Yearly Report of Board of Park Commissioner for Year 1909—Cont'd.

SPECIAL		SUMMARY			
Land	Contracts	Mainten- ance	Improve- ments	Special	Grand Totals
\$-----	\$-----	\$-----	\$-----	\$-----	\$-----
-----	-----	39 22	-----	-----	39 22
-----	-----	17 51	-----	-----	17 51
-----	-----	28 75	-----	-----	28 75
-----	-----	10871 04	5943 13	378 13	17192 30
-----	2132 40	8327 24	3582 68	4586 90	16496 82
5253 25	-----	3209 64	178 40	5346 15	8734 19
-----	-----	811 49	45 10	-----	856 59
-----	-----	1360 30	-----	135 00	1495 30
-----	-----	237 55	237 00	-----	474 55
-----	-----	-----	-----	10 00	10 00
-----	2441 55	-----	-----	5107 89	5107 89
15300 00	-----	-----	-----	15300 00	15300 00
-----	-----	458 65	-----	-----	458 65
-----	-----	130 86	-----	-----	130 86
-----	-----	163 75	-----	-----	163 75
-----	-----	478 56	-----	-----	478 56
-----	-----	1082 49	1554 50	-----	2636 99
-----	-----	12 67	50 67	-----	63 34
-----	-----	2937 57	783 29	-----	3720 86
-----	488 32	139 44	2 00	1545 32	1686 76
-----	-----	1536 82	-----	-----	1536 82
47850 00	-----	72 50	-----	47850 00	47922 50
-----	2194 95	731 57	556 68	2194 95	3483 20
-----	-----	184 14	237 88	-----	422 02
-----	-----	323 28	943 40	-----	1266 68
184726 00	-----	2 62	47 50	184728 45	184778 57
-----	-----	553 83	-----	-----	553 83
-----	-----	-----	1894 44	-----	1894 44
60000 00	352 94	817 80	1480 17	62101 94	64399 91
22 90	-----	993 87	-----	4196 50	5190 37
92482 10	-----	-----	-----	92482 10	92482 10
\$405634 25	\$ 7610 16	\$35523 16	\$17536 84	\$425963 33	\$479023 33

Respectfully submitted,
E. T. MISCHÉ, Supt. of Parks.

ANNUAL REPORT

— OF —

Free Employment Bureau

To the Honorable Mayor and Council of the City of Portland.

The Department of Municipal Free Employment Bureau was placed in active operation February 1, 1909, and has therefore been established eleven months. Offices were first opened in the City Hall, but it soon became apparent that the increasing volume of business could not be handled in the limited space available, and the office was moved to its present location, a much better place in every respect.

We have tried to conduct the office upon strictly business principles, believing that it could be made to fulfill its mission only by this method, and to this end we have advertised in the local papers and have used every honorable means to induce the employers in the city and surrounding country to patronize this office whenever they found it necessary to use an employment office, and we are pleased to say that our efforts have not been in vain, as the office is extensively patronized by the contractors and other employers of labor, both inside and outside of the city.

It would be ridiculous to say that at all times we have given the customer entire satisfaction, for we are merely human, and therefore liable to err, especially when one man is called upon to select and send out men at the rate of over 100 per hour, as was the case several times during the past summer, but in the main we have heard very little complaint. We have at all times endeavored to select the best men from those available for the places to be filled, but employers should remember that when the demand for help is greatest, the least competent are generally the ones that are idle.

We have tried to be fair and impartial with the men and women who come to the office in search of employment, but we believe that the existence of the office depends upon how well the employer is pleased with the applicant we send him, and the average employer wants the man who can do his work best, regardless of how badly some other less competent person might need the work. Strict adherence to this policy sometimes causes disappointed applicants to

criticise the clerk in charge of the office, not realizing that a deviation would in the end be disastrous to the office.

In addition to directing applicants to places of employment, the clerk is called upon to furnish information relative to labor laws of the state, the method of collecting wages, etc., and as to how to obtain redress from licensed employment offices that have, presumably, failed to fulfill their part of the contract after the applicant has paid his fee. Complaints of the latter character have been numerous, and have been referred to the City Attorney, as the clerk has no authority to act. The clerk is also required to answer numerous inquiries from workmen in other sections of the state and in other states as to the opportunities for employment in this locality. These inquiries have all been carefully answered or referred to some one especially fitted to give the required information.

One of the great difficulties with which we have to contend is the short time which in most cases we are given to select a man to fill a situation. The employer usually expects to get just the man he wants upon a moment's notice, and this sometimes leads to over-anxiety on the part of the clerk to fill the place, and the selection of some applicant who probably would not have been sent had more time been given. Overanxiety is also sometimes caused by the fact that a great many employers have a habit of placing their orders for men in several offices at the same time, and we know that if this office does not fill the place, some man will have to pay a fee for the chance to work.

The office had been opened but a short time until it became apparent that one clerk could not properly handle the business, and an assistant clerk was asked for and granted, Miss Mina Smith, the present incumbent being appointed and given charge of the ladies' department. Under her careful supervision this department has grown to be of incalculable value to the working women and girls of the community.

The office during the eleven months of its existence has filled 15,071 positions, at a cost of \$1,909.95, an average of 12.07 cents each. This does not include the large number of men who were taken from the office by the employer direct, as in such cases no record can be kept. Had these positions been purchased from private agencies, they would at a low estimate have cost \$1.00 each, or \$15,071. Here is a direct saving to the workingmen and women of \$13,161.05.

Of the male, 7,674 were common laborers, 1,027 concrete men, 776 carpenters, and helpers, 468 hotel and restaurant help, 451 farmhands, 442 millhands and loggers, 411 teamsters, 294 woodchoppers, 171 cooks, 171 land clearers, 43 milkers, 142 painters, 100 solicitors,

60 janitors, 50 cement finishers, 46 hodcarriers, 91 deckhands, 83 hop-pickers, the remainder, classed as miscellaneous, includes almost everything from school teacher to saloon porter. Of the female, there were 316 domestics, 299 women for day work, 182 waitresses, 150 chambermaids, 87 kitchen helpers, 82 housekeepers, 51 nurses, 21 office help, 20 clerks, 16 stenographers.

In the men's department, 13,378 positions were inside the city and 1,693 outside.

In the women's department, 1,510 were inside of the city and 94 outside.

The following table shows the number of positions secured in both departments each month:

	Male.	Female.
February	164	36
March	768	119
April	985	84
May	1,224	142
June	1,076	175
July	1,292	158
August	1,593	169
September	2,013	203
October	1,901	182
November	1,486	174
December	965	162
Total	13,467	1,604

From present indications we are led to believe that the number of employers who patronize this office will be greatly increased during the coming year. We wish to thank all those who have helped us to build up the office to its present standard, especially those of the daily newspapers, who have given so liberally of their valuable space for the purpose of furthering the interests of this office, without which little could have been accomplished.

Respectfully submitted,

C. M. RYNERSON,

Clerk Free Employment Bureau.

R. J. HOLMES,

J. L. LEDWIDGE,

A. G. RUSHLIGHT,

Board of Control Free Employment Bureau.

ANNUAL REPORT

—OF—

Chief of Police

Portland, Or., December 31, 1910.

To His Honor, Mayor Joseph Simon, and the Members of the Executive Board.

Gentlemen: I herewith respectfully submit to your honorable body my first annual report of the Police Department for the year ending December 31, 1909, together with a copy of the estimated expenses for the ensuing year. This report will also show in detail the status of the force, its numerical strength, roster, etc., and the work performed by them during the past year. It will also contain a few suggestions which, to my judgment, would tend to increase the efficiency of the Police Department.

The department of the police during the six months of my administration as the executive head of the department has been highly satisfactory. Very few cases of violations of the rules of the department have come to my notice. The men have performed their duties very conscientiously and I can truthfully say that they compare very favorably with forces of like size in other cities.

To assist this department in handling large crowds that congregate at fires and also festivities, I would recommend that thimbles of suitable size and depth be placed in curbs of certain downtown streets at a distance of twenty-five or thirty feet apart for the temporary insertion of iron posts when roping the streets, and that all curbs in sections which the Chief of Police shall designate shall be required to have such thimbles. The cost of this improvement, considering the convenience to the police and to the public safety at fires, etc., would be small. It has been the custom on previous occasions to rope off certain sections in order to handle the crowds, using the telephone and telegraph poles to tie the ropes to. The time is coming, and, in fact, has already come, in certain sections where those poles are all taken down and wires strung underground, making it necessary for us to use other methods to cope with the situation.

I would suggest that a small fund be appropriated and set aside

to be used in buying medals as a reward to officers having done meritorious work and presented to them at the annual inspection.

In conclusion of this report, I wish to thank Your Honor for your support and counsel given me at all times. I also thank the police committee of the Executive Board for the earnest interest taken in matters pertaining to this department, which goes a great deal towards the improvement of the service.

Respectfully submitted.

A. M. COX, Chief of Police.

STATUS AND NUMERICAL STRENGTH OF THE POLICE FORCE.

Strength of force January 1, 1909, members.....152
Appointed since that date30—182
Resigned 3
Discharged 1— 4—178

Total strength of the force December 31, 1909, 178, consisting as follows:

- 1 chief.
- 4 captains.
- 9 sergeants.
- 11 detectives.
- 1 matron.
- 150 patrolmen.
- 2 women's auxiliary.

From the list of patrolmen are detailed for special duties as follows:

- 1 officer for steel bridge.
- 3 plain clothes men.
- 3 harbor officers.
- 3 patrol drivers.
- 3 jailers.
- 4 deskmen.
- 3 clerks.
- 6 crossing officers.
- 1 humane officer.

This leaves an actual patrol force of 123 men, divided into three reliefs. This is not sufficient to cover the large territory of our fast growing city, and I therefore recommend that 40 more patrolmen be added to the force at the earliest opportunity.

ROSTER OF THE POLICE DEPARTMENT DEC. 31, 1909.

A. M. Cox, chief of police	\$225.00
John T. Moore, captain of police	150.00
George H. Bailey, captain of police.....	150.00
E. A. Slover, captain of police.....	150.00
C. E. Baty, captain of police.....	150.00
E. W. Cole, sergeant of police.....	115.00
J. A. Goltz, sergeant of police.....	115.00
Joseph Keinlen, sergeant of police	115.00
Joseph Keller, sergeant of police.....	115.00
B. F. Smith, sergeant of police	115.00
E. L. Crate, sergeant of police.....	115.00
Harry Riley, sergeant of police	115.00
H. E. Parker, sergeant of police	115.00
D. Endicott, sergeant of police	115.00
H. H. Hawley, detective	115.00
C. R. Hellyer, detective	115.00
C. H. Tichenor, detective	115.00
P. R. Maloney, detective	115.00
John H. Price, detective	115.00
Thomas Coleman, detective	115.00
Glenn Howell, detective.....	115.00
Joseph Day, detective	115.00
L. G. Carpenter, detective	115.00
M. F. Sloan, detective	115.00
F. J. Snow, detective	115.00
Mrs. S. Simmons, matron	100.00
Anderson, P. C., patrolman	100.00
Adams, George, patrolman	100.00
Anundson, A. O., patrolman.....	100.00
Adams, E., patrolman	100.00
Arnold, S. S., patrolman	100.00
Abbott, J. E., patrolman	100.00
Ackerman, L. M., patrolman	100.00
Burke, Joseph, patrolman	100.00
Burke, Edward, patrolman	100.00
Blackman, A., patrolman	100.00
Burri, John, patrolman	100.00
Bales, H. C., patrolman	100.00
Burchell, W. A. patrolman	100.00
Barzee, C. L., patrolman	100.00
Bewley, E. L., patrolman	100.00
Branch, Ben, patrolman	100.00

Burks, R. E., patrolman	100.00
Bigelow, A., patrolman	100.00
Bunn, W. W., patrolman	100.00
Blue, W. C., patrolman	100.00
Brothers, E. C., patrolman	100.00
Barter, R. W., patrolman	100.00
Casey, T. J., patrolman	100.00
Cash, W. C., patrolman	100.00
Circle, H. A., patrolman	100.00
Croxford, G. E., patrolman	100.00
Crampton, C. G., patrolman	100.00
Carlson, H. L., patrolman	100.00
Courtney, W. P., patrolman	100.00
Craddock, R. H., patrolman	100.00
Cooper, A. A., patrolman	100.00
Carr, William, patrolman	100.00
Ehmsen, G. H., patrolman	100.00
Evans, L. K., patrolman	100.00
Epps, W. C., patrolman	100.00
Ellis, R. J., patrolman	100.00
Everet, B. R., patrolman	100.00
Fones, J. P., patrolman	100.00
Fields, R. H., patrolman	100.00
Fuller, G. E., patrolman	100.00
Flack, R. S., patrolman	100.00
Frey, C. F., patrolman	100.00
Graves, F. A., patrolman	100.00
Gustafson, A. L., patrolman	100.00
Gruber, M. E., patrolman	100.00
Gill, J. C., patrolman	100.00
Gould, J. L., patrolman	100.00
Galbraith, H. A., patrolman	100.00
Hill, C. B., patrolman	100.00
Hoesley, Jacob, patrolman	100.00
Hirsch, L., patrolman	100.00
Holtz, Henry, patrolman	100.00
Humphreys, W. D., patrolman	100.00
Harms, L. A., patrolman	100.00
Hunter, C. E., patrolman	100.00
Hensen, C. D., patrolman	100.00
Hunter, J. M., patrolman	100.00
Hepner, F. D., patrolman	100.00
Hyde, W. H., patrolman	100.00

Holterman, F. G., patrolman	100.00
Howard, C. F., patrolman	100.00
Hennessey, S. R., patrolman	100.00
Hutchins, F. D., patrolman	100.00
Burstow, Z. M., patrolman	100.00
Inskeep, J. W., patrolman	100.00
Inskeep, C. A., patrolman	100.00
Johnson, P. R., patrolman	100.00
Johnson, E., patrolman	100.00
Jenkins, L. V., patrolman	100.00
King, C. H., patrolman	100.00
Keith, J. E., patrolman	100.00
Klingel, C. C., patrolman	100.00
Lytle, Stark, patrolman	100.00
Lillis, M. E., patrolman	100.00
Leisy, D., patrolman	100.00
Larfield, G. G., patrolman	100.00
Leavens, F. E., patrolman	100.00
Lyons, E. E., patrolman	100.00
Long, J. E., patrolman	100.00
Litherland, F. B., patrolman	100.00
Maloney, J. C., patrolman	100.00
Mallett, Fred, patrolman	100.00
Murphy, J. J., patrolman	100.00
Mackey, J. J., patrolman	100.00
McCullough, John, patrolman	100.00
Murray, G. B., patrolman	100.00
Marsh, E. G., patrolman	100.00
Madden, L. W., patrolman	100.00
Maddux, C. W., patrolman	100.00
Manring, E. A., patrolman	100.00
Martine, E. M., patrolman	100.00
Montgomery, J. G., patrolman	100.00
Maxwell, C. B., patrolman	100.00
Newell, L. A., patrolman	100.00
O'Brien, J. W., patrolman	100.00
Off, Jefferson, patrolman	100.00
Owens, V. R., patrolman	100.00
Patton, Frank, patrolman	100.00
Porter, Charles, patrolman	100.00
Peterson, Ben, patrolman	100.00
Portwood, J. O., patrolman	100.00
Peterson, F. W., patrolman	100.00

Pechin, E. S., patrolman	100.00
Potter, C. S., patrolman	100.00
Pressy, A. L., patrolman	100.00
Post, W. W., patrolman	100.00
Padrick, Walter, patrolman	100.00
Quinton, John, patrolman	100.00
Roberts, Griff, patrolman	100.00
Richards, G. L., patrolman	100.00
Raney, H. S., patrolman	100.00
Rudolph, M. M., patrolman	100.00
Rupert, C. J., patrolman	100.00
Reed, W. F., patrolman	100.00
Robson, W. E., patrolman	100.00
Sinnott, Ed, patrolman	100.00
Sorenson, A. O., patrolman	100.00
Sherwood, B. F., patrolman	100.00
Stahl, R. H., patrolman	100.00
Small, A. C., patrolman	100.00
Spivey, G. B., patrolman	100.00
Shaffer, C. E., patrolman	100.00
Swennis, T. P., patrolman	100.00
Stanton, H. L., patrolman	100.00
Stone, L., patrolman	100.00
Stuart, R. M., patrolman	100.00
Stewart, R. T., patrolman	100.00
Sims, M. E., patrolman	100.00
Stillwell, R. H., patrolman	100.00
Thompson, J. M., patrolman	100.00
Teevin, W. F., patrolman	100.00
Thorpe, E., patrolman	100.00
Trout, F. J., patrolman	100.00
Thatcher, H. A., patrolman	100.00
Taft, H. E., patrolman	100.00
Venable, Charley, patrolman	100.00
Vessey, S. B., patrolman	100.00
Van Overn, J. P., patrolman	100.00
Wendorf, J. L., patrolman	100.00
Welch, A. C., patrolman	100.00
Wanless, F. E., patrolman	100.00
Wilson, H. C., patrolman	100.00
Wade, B. F., patrolman	100.00
West, F. M., patrolman	100.00
Wellbrook, John, patrolman	100.00
West, F. G., patrolman	100.00

White, F. A., patrolman	100.00
Whiteside, R. L., patrolman	100.00
Williams, R. P., patrolman	100.00
Webster, J. D., patrolman	100.00
Baldwin, Mrs. Lola, female detective.....	150.00
Chandler, Miss Pearl, clerk	75.00

EXPENDITURE OF THE POLICE DEPARTMENT FOR THE YEAR 1909.

Salaries	\$211,776.07
Prisoners meals, City Jail, Kelly Butte and Linnton rock quarry	4,502.86
Photographing of criminals	300.50
Telegraphing	235.07
Telephoning	270.30
Woman's Auxiliary	1,097.28
Harbor boat	3,087.50
New basement in east side lot	500.00
Buying new horses	250.00
Police patrol system	816.07
Police stables (feed for and caring of animals) Miscellaneous expenses (including printing, stationery, harness and equipment for mounted force, all expenses of any supplies for the City Jail and detective offices, rent, etc.)	5,210.94 10,318.74
	\$238,365.33

ESTIMATE OF EXPENSES OF THE POLICE DEPARTMENT FOR 1910.

1 Chief	\$ 2,700.00
4 Captains	7,200.00
14 Sergeants	19,320.00
15 Detectives	20,700.00
1 Matron	1,200.00
200 Patrolmen	240,000.00
1 Female detective	1,800.00
1 Clerk to female detective.....	900.00
Repair patrol wagon	250.00
Feed for and caring of horses.....	4,350.00
Veterinary services	100.00

Buying new horses	900.00
Equipment, repairs, harness, mounted service, etc.	500.00
Plumbing and locksmith	100.00
Fuel for jail and police offices	1,000.00
Rent for detective offices	900.00
Patrol system	650.00
Books, records, printing and stationery.....	650.00
Incidentals	1,100.00
Garage room, oil, repairs, etc., for auto.....	800.00
Telegraphing	400.00
Telephoning	300.00
Photographing criminals	350.00
Rent of rooms for lockers, police band, etc....	300.00
Installing Bertillion and finger print system...	800.00
	\$313,770.00

REPORT OF THE CHIEF OF POLICE FOR YEAR ENDING DECEMBER 31, 1909.

To the Honorable Committee on Police of the Executive Board.

Number of officers belonging to the station, Dec. 31, 1909....	176
Number of officers absent from duty (aggregating 1827 days)	444
Number of arrests	12,829
Number of males	12,288
Number of females	541
Number of foreigners	4,439
Number of minors (males)	549
Number of minors (females)	69
Number of males provided with lodgings	446

NATURE OF CRIME.

Automobiles no light	10
Automobiles exceeding speed limit.....	84
Automobiles no license	2
Allow minor in saloon	9
Allow woman in saloon	1
Allow gambling in saloon	8
Allow minor in pool room	18
Allow minor to run elevator	1
Allow female to work more than sixty hours a week.....	6
Allow chickens to run at large	3

Allow cow to run at large	1
Allow horse to run at large	1
Allow snow and ice to remain on sidewalk.....	3
Allow a prostitute in a saloon	5
Attempt burglary	1
Attempt hold up	1
Attempt larceny	1
Attempt to commit suicide	1
Attempt to kill	1
Attempt to pass forged check	2
Attempt to commit robbery	4
Attempt to commit rape	1
Associate with a common prostitute	1
After hours	438
Abusive language	57
Adultery	16
Assault and battery	327
Assault with a dangerous weapon	33
Assault with intent to commit robbery	2
Assault with intent to kill	6
Assault armed with a dangerous weapon	4
Assault and rob being armed with a dangerous weapon....	2
Burglary	21
Bench warrant	2
Bribe an officer	3
Bring stolen goods into Multnomah County	1
Bathing in river no bathing suit.....	10
Buying and receiving stolen goods.....	13
Contempt of court	28
Cruelty to animals	52
Carrying concealed weapons	80
Cocaine in possession	4
Conduct business no license	124
Conduct disorderly house	10
Conduct bawdy house	24
Conduct house of prostitution	3
Conduct disorderly saloon	3
Conduct lottery game	8
Conduct gambling game	12
Contributing to the delinquency of a minor child.....	2
Commit nuisance	4
Chauffeur no license	1
Common prostitute	64
Conversion attorney	1

Counterfeiters	2
Drunkenness	5,442
Drunk and disorderly	389
Disorderly conduct	329
Disorderly by fighting	52
Defacing a building	8
Destruction of personal property	7
Destroy public property (fountain).....	1
Defraud an innkeeper	29
Discharge firearms in the city limits.....	20
Discharge firecrackers during prohibited hours	7
Distribute hand bills no license	1
Dump sawdust in the river	2
Drive a vicious horse on a public street.....	1
Dangerous assault	1
Demented	67
Deserter from the United States Army.....	1
Deserter from the United States Navy.....	1
Dance hall no license	1
Accepting the earnings of a prostitute.....	1
Eng She in possession	2
Employ a minor child without permit.....	2
Escaped insane person	2
Escaped convict	1
Fugitive from justice	27
Fornication	3
Frequenting opium joint	8
Fast driving	9
Fighting	52
Forgery	24
Give liquor to a minor.....	9
Give short measure (wood).....	3
Give short weights	2
Gambling and visiting gambling house.....	583
Held as witnesses	55
Held for juvenile court	41
Highway robbery	8
Haul meat no cover	1
Held for United States Government authorities	1
Indecent act	1
Indecent and immoral act	108
Indecent exposure	15
Insane	11
Indecent proposal	1

Impersonate an officer	7
Interfere with an officer	2
Inmate of bawdy house	1
Introduce liquor into City Jail	1
Introduce Eng Shee into City Jail	2
Inmate of house of prostitution	25
Juvenile offenders	48
Keep dog no license	1
Kindle fire on asphalt street.....	1
Knowingly utter a forged check.....	18
Leave team untied	4
Leave trap door open.....	50
Lottery tickets in possession	306
Larceny	1
Larceny in warehouse	26
Larceny in a store	21
Larceny from the person	28
Larceny in a dwelling	21
Larceny by bailee	26
Larceny by embezzlement	20
Lewd cohabitation	232
Lost children brought to the station	217
Injured persons assisted	163
Intoxicated persons helped home.....	4
Murder	2
Manslaughter	2
Murder in the second degree.....	11
Minor in saloon	20
Morphine in possession	3
Minor smoking cigarettes	4
Minor in pool room	3
Malicious poisoning of pet animals.....	1
Mayhem	5
Macquereaux	2
Non-support	1
Overload team	5
Obstruct street car traffic	37
Obstruct street	5
Obstruct street, no red light	1
Outrage public decency	1
Operate boat no life preserver	28
Obtaining money false pretense	27
Opium in possession	40
Peddling without a license.....	

Prisoners en route	44
Palmistry, no license	1
Pool room after 1 A. M.	8
Point gun at another	6
Permit gambling in building under his charge.....	1
Peddling on Sunday	4
Receiving funds bank insolvent	5
Ride bicycle on sidewalk	5
Ride bicycle no light	3
Resisting an officer	25
Rape	3
Runaway children	38
Refuse to move on	29
Serve out old sentence.....	5
Sick and destitute	88
Safe keeping	14
Soliciting on street	5
Selling liquor without a license.....	15
Sell liquor on Sunday.....	38
Sell liquor to minor	7
Sell liquor to person already intoxicated.....	7
Sell liquor to women	1
Sell opium	2
Sell food unfit to eat.....	8
Sell tobacco to minor	4
Sell liquor in dry precinct	1
Speeding motor cycle	1
Seduction	3
Saloon open on Sunday	17
Steamboat exceeding speed limit.....	2
Stolen goods in possession.....	2
Saloon open after 1 A. M.	16
Soliciting for prostitution	25
Sturdy beggars	116
Threat to commit murder	1
Trespass	60
Threatening to kill	26
Throw rubbish in river	1
Throw rubbish in street	2
Using profane language	60
Vagrancy	1,125
Violating city ordinances	487
Vicious dog at large	4
Visit bawdy house	5

Visit house of prostitution.....	5
Visit lottery game	20
Visit gambling house	18
Violate vehicle ordinance	55
Violate automobile ordinance	9
Violate sign ordinance	5
Violate traffic ordinance	45
Violate immigrant laws	2
Unlawfully make connection with gas main.....	1
Wife beating	1

MISCELLANEOUS.

Accident reported	255
Dangerous bridges reported	5
Dead bodies reported	9
Dead animals reported and taken to crematory.....	317
Defective arc lights	4,009
Defective sewers reported	20
Disturbances suppressed	308
Fire alarms given	286
Nuisance notices served	2,060
Sidewalks reported for repair	605
Street obstructions reported	843
Stray teams put up.....	61
Suicides reported	13
Water running to waste	191
Witnesses summoned	2,724
Wagon calls	5,458
Board of prisoners	\$3,146.00
Prisoners sent to Kelly Butte.....	184
Prisoners sent to Linnton quarry.....	178
Municipal Court receipts	\$24,707.00

PROPERTY NOW ON HAND.

FIRST FLOOR—CHIEF'S ROOM.

1 roll top desk, 5 chairs, 1 table, 1 cuspidor, 1 safe, 4 lockers.

CLERK'S OFFICE.

1 letter file, 1 typewriting desk, 1 roll top desk, 2 typewriters (1 out of service), 2 safes, 7 lockers, 9 boxes letter files, 1 counter with lockers attached, 1 chair, 1 evidence record book, 3 record books,

1 small dictionary, 1 code, 1 letter press (broken), 1 eyelet machine, 1 ink well, pens and holders, 1 telegram case.

FIRST FLOOR—JAIL.

10 cells with bunks complete, 2 cells without bunks, 1 bath room with bath tub, 2 heating stoves, 1 medicine locker, 2 wash tubs.

CAPTAIN'S OFFICE.

1 official bulletin, 6 lockers, 2 desks, 1 safe, 2 chairs, 1 stool, 2 cuspidors, 18 record books (of arrest), 18 index books, 16 record books, 2 clocks, 2 benches, 2 ink wells, pens and holders, 1 heating stove, 1 stove poker.

SECOND FLOOR—OFFICERS' ASSEMBLY ROOM AND ANNEX.

88 lockers, 15 chairs, 2 step ladders, 2 heating stoves, 1 coal bucket, 3 tables.

MUNICIPAL COURT ROOM.

43 chairs, 1 chair (Judge's), 2 desks, 2 tables, 1 heating stove, 2 cuspidors, 4 benches, 1 bench for prisoners, 1 coal bucket, 1 reporters' table.

JAILOR'S LOCKER AND STORE ROOM.

2 cases disinfectant, 3 brooms, 3 galvanized pails, 380 record books, 2 lanterns, 3 crowbars, 1 shovel, 1 case soap, 1 case Sapolio.

THIRD FLOOR—INCLUDING MATRON'S QUARTERS.

2 heating stoves, 1 range, 6 iron bedsteads, 6 bed springs, 12 blankets, 4 cell mats, 4 pillows, 11 chairs, 30 mattresses, 4 sheets, 2 pillow slips, 10 cells with iron bunks complete, 2 dozen dishes, 1 bath room with bath tub, 2 washboards, 3 buckets, 1 table, 2 mops, 1 garbage can, 2 brooms, 1 duster, 4 stationary wash tubs.

DETECTIVES' ROOMS.

3 roll top desks, 2 tables, 4 photo cabinets, 16 chairs, 1 file case, 1 hat rack, 1 umbrella stand, 1 letter screw press, 1 clothes and property locker, 1 typewriter, 2 photo books (local rogues' gallery), 2 circular books (foreign), 1 heating stove.

POLICE STABLES.

4 horses for patrol wagon, 2 patrol wagons, 2 sets double harness, 4 blankets and surcingles, 25 feet one-inch hose, 1400 feet one-inch fire rope, 2 harness hangers, 3 brooms, 2 pails, 1 fork, 1 shovel, 2 curry combs, 12 saddle horses, 12 horse blankets, 12 saddles, 11 saddle blankets, 11 pair of spurs, 11 pair leggings, 1 wagon jack, 1 electric gong.

ANNUAL REPORT

— OF —

Fire Department

Portland, Oregon, December 31, 1909.

To the Honorable the Mayor and Executive Board of the City of Portland.

Gentlemen: I respectfully submit to your honorable body a report in detail of the revenues and expenditures of the Fire Department for the year 1909, 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.

REVENUE FOR 1909.

Balance December 31, 1908.....	\$ 56,651.18
Transferred from general fund.....	15,000.00
Received from taxes	465,394.70
Refund on warrant	.75
Total.....	\$537,046.63

EXPENDITURES FOR 1909.

Salaries	\$292,472.06
Lots and rents	10,190.00
Repairs houses, furniture and fixtures.....	4,562.30
Apparatus, new	4,023.72
Repairs apparatus	2,635.59
Material used in shop	471.53
Nine horses, hire, pasture, etc.....	4,745.75
Shoeing horses	2,766.75
Veterinary surgeon	480.00
Feed	15,705.42
Harness repairs	372.02
Fuel	5,566.01

Lighting—lanterns on apparatus	359.45
Stores	1,837.62
Insurance	525.00
Allowance, Volunteer Hose Companies.....	367.96
Hydrant repairs	411.90
Cistern repairs	30.48
Office expenses	207.11
Printing and advertising	443.46
New material, fire alarm telegraph	2,296.44
Material repairs fire alarm telegraph.....	1,128.07
Total.....	\$351,598.64

**NEW PROPERTY AND EQUIPMENT INCLUDED IN THE
ABOVE, AS FOLLOWS:**

Lot at Mt. Tabor.....	\$ 2,500.00
Two lots at Kenilworth.....	1,500.00
Partial payment, contractor engine 16 house.....	1,700.00
Partial payment, architect, engine 16 house.....	450.00
Partial payment, contractor engine 8 house.....	3,500.00
Fifteen new boxes and equipment F. A. Tel.....	2,066.74
One automobile	3,500.00
Nine horses	2,950.00
New harness	76.44
Total	\$ 18,243.18

SUMMARY.

Salaries	\$292,472.06
Running expenses	40,883.40
New material and equipment.....	18,243.18
Total	\$351,598.64

ESTIMATE OF EXPENSES FOR THE YEAR 1910.

Salaries, Present Equipment.

1 Chief Engineer, at \$225.00 per month.....	\$ 2,700.00
1 Assistant Chief Engineer, at \$175.00 per month.....	2,100.00
3 Battalion Chiefs, at \$150.00 per month, each.....	5,400.00

1 Superintendent fire alarm telegraph, at \$150.00 per month	1,800.00
1 Master mechanic, at \$135.00 per month.....	1,620.00
2 Hydrantmen, at \$100.00 per month, each.....	2,400.00
1 Supply driver, at \$100.00 per month.....	1,200.00
3 Linemen F. A. Tel., at \$100.00 per month, each.....	3,600.00
1 Instrument maker, at \$100.00 per month.....	1,200.00
1 Machinist, at \$100.00 per month.....	1,200.00
1 Master fire boat, at \$125.00 per month.....	1,500.00
1 Pilot fire boat, at \$115.00 per month.....	1,380.00
1 First Engineer, fire boat, at \$125.00 per month.....	1,500.00
1 Second and third Engineers, at \$115.00 per month each	2,760.00
28 Captains, at \$115.00 per month, each.....	38,640.00
25 Lieutenants, at \$110.00 per month, each.....	33,000.00
16 Engineers, at \$110.00 per month, each.....	21,120.00
18 Stokers, at \$90.00 and \$100.00 per month, each.....	21,600.00
43 Drivers, at \$90.00 and \$100.00 per month, each.....	51,600.00
55 Hosemen, at \$90.00 and \$100.00 per month, each.....	66,000.00
27 Laddermen, at \$90.00 and \$100.00 per month, each.....	32,400.00
3 Switch board operators, at \$90.00 and \$100.00 per month, each	3,600.00
3 Pipemen, at \$90.00 and \$100.00 per month, each.....	3,600.00
237 Men	301,920.00

Running Expenses, Exclusive of Salaries.

Rents	\$ 240.00
House repairs, fixtures and furniture.....	5,000.00
Repairs to apparatus	5,000.00
Repairs to harness	300.00
Scavenger service	1,863.00
Horseshoeing	2,800.00
Horse hire, pasture, etc.....	200.00
Veterinary surgeon's services	480.00
Feed	18,000.00
Fuel	6,000.00
Lighting, lanterns on apparatus.....	400.00
Incidentals, including Volunteer Hose Company allowance	1,000.00
Hydrant repairs	1,000.00
Cistern repairs	100.00
Printing, advertising and office expenses.....	700.00
Small stores, supplies (see list)	3,000.00

Fire alarm telegraph, repairs, material, etc....	1,500.00
Total	\$ 47,583.00
Total salaries and running expenses.....	\$349,503.00

New Equipment—Engine Company No. 16, Fifteenth and Montgomery Streets.

1 Lieutenant, at \$110.00 per month, 10 months..\$	1,100.00
1 Engineer, at \$110.00 per month, 10 months.	1,100.00
1 Stoker, at \$100.00 per month, 10 months....	1,000.00
2 Drivers, at \$100 per month, each, 10 months	2,000.00
3 Hosemen, at \$100.00 per month, each, 10 mo.	3,000.00
1 second size engine	6,550.00
2000 feet 2½-inch hose	2,000.00
5 horses	1,750.00
5 sets harness	180.00
Fixtures, furniture, electrical apparatus, gongs, etc.	1,100.00
Ceiling and door springs.....	200.00
Running expenses for 10 months.....	1,100.00—\$ 21,080.00

Engine House Vicinity St. Vincent's Hospital.

1 second size engine	\$ 6,550.00
2000 feet 2½-inch hose	2,000.00
5 horses	1,750.00
5 sets harness	180.00
Fixtures, furniture, electrical apparatus, gongs, etc.	1,100.00
Ceiling and door springs.....	200.00—\$ 11,780.00

Engine House East Stark and Central Avenue, Mt. Tabor.

1 third size engine	\$ 6,300.00
1 combination chemical and hose wagon.....	1,950.00
2000 feet 2½-inch hose	2,000.00
6 horses	2,100.00
5 sets harness	180.00
Fixtures, furniture, electrical apparatus, gongs, etc.	1,100.00
Ceiling and door springs	200.00—\$ 13,830.00

Engine House Patton Avenue and Willamette Boulevard.

1 third size engine	\$ 6,300.00
---------------------------	-------------

Combination chemical and hose wagon.....	1,950.00
5 horses	1,750.00
5 sets harness	180.00
2000 feet 2½-inch hose.....	2,000.00
Fixtures, furniture, electrical apparatus, gongs, etc.	1,100.00
Ceiling and door springs.....	200.00—\$ 13,480.00
Engine House, 24th and Thompson Streets...\$	16,000.00
1 second size engine	6,550.00
1 combination chemical and hose wagon.....	1,950.00
5 horses	1,750.00
5 sets harness	180.00
2000 feet 2½-inch hose.....	2,000.00
Fixtures, furniture, electrical apparatus, gongs, etc.	1,100.00
Ceilings and door springs	200.00—\$ 29,730.00
6000 feet 2½-inch hose.....	6,000.00
15 horses	\$ 5,250.00
Total new equipment	101,150.00
Salaries and running expenses.....	349,503.00

Total estimate for 1910.....\$450,653.00

No estimate is made for the salaries and running expenses of any of the new equipment except for Engine No. 16 as no time can be set for the installation of any of the companies.

Expenditures, all Companies and Supply Dept. for Year
ending December 31, 1909.

COMPANIES	Salaries	House and Lot		Apparatus
		Costs and Rents	Repairs Fixtures Furniture	Cost New
Fire Boat Geo. H. Williams	\$ 24055 40	\$	\$ 283 43	\$
Engine Company No. 1 . .	12385 55		53 50	
Engine Company No. 3 . .	12284 25		107 64	
Engine Company No. 4 . .	9850 35		76 80	
Engine Company No. 5 . .	9631 50		587 19	
Engine Company No. 6 . .	9794 15	180 00	72 32	
Engine Company No. 7 . .	9922 05		6 74	
Engine Company No. 8 . .	9758 10	180 00	35 31	
Engine Company No. 9 . .	9822 85		33 94	
Engine Company No. 10 . .	9874 55		64 67	
Engine Company No. 11 . .	9917 20		41 20	
Engine Company No. 12 . .	9919 12		15 58	
Engine Company No. 13 . .	9835 55		355 31	
Engine Company No. 14 . .	9808 70		20 27	
Engine Company No. 15 . .	9829 60		121 30	
Truck Company No. 1 . .	12142 60		61 57	
Truck Company No. 2 . .	9818 30		31 14	
Truck Company No. 3 . .	9655 95		21 58	
Truck Company No. 4 . .	9870 70		35 43	
Truck Company No. 5 . .	9676 85	180 00	14 80	
Hose Company No. 1 . .	7424 90		15 49	
Hose Company No. 2 . .	7437 95		155 72	
Hose Company No. 3 . .	7398 05		410 31	
Hose Company No. 4 . .	7383 05		324 82	
Hose Company No. 6 . .	7323 00		1050 93	
Chemical Company No. 1 . .	3749 95		18 24	
Chemical Company No. 2 . .	3769 75		113 08	
Chemical Company No. 4 . .	3773 20		27 39	
Office Supply		9650 00	407 60	4023 72
General Expenses				
Total	\$266113 17	\$ 10190 00	\$ 4562 30	\$4023 72

Expenditures all Companies and Supply Dept. for Year
ending December 31, 1909.—Continued

Apparatus		HORSES				Harness and Repairs	Fuel
Repairs	Shop	Cost, Hire, etc.	Shoeing	Vet. Surgeon	Feed		
\$ 911 77	\$	\$ 51 67	\$ 45 00	\$ 16 44	\$ 246 62		\$3284 43
63 30		51 67	134 50	16 44	775 35	32 05	214 50
57 90		51 67	121 00	16 44	692 74	12 35	139 50
30 30		51 67	137 50	16 44	739 81	18 40	137 25
64 90		51 67	115 00	16 44	575 27	13 65	126 25
11 25		51 67	123 75	16 44	699 20	9 45	107 61
22 90		51 67	131 50	16 44	764 67	28 25	108 00
18 48		51 67	96 00	16 44	585 25	3 70	118 00
25 36		51 67	96 00	16 44	588 16		111 00
28 00		51 67	96 00	16 44	639 08	23 81	119 50
4 40		51 67	101 00	16 44	579 69		114 00
5 40		51 67	94 50	16 44	537 97	2 40	103 50
21 25		51 67	123 00	16 44	865 25	3 10	78 75
7 90		51 67	96 00	16 44	580 28	1 18	197 75
53 50		51 67	152 00	16 44	885 86	5 50	131 00
29 25		51 67	82 00	16 44	393 21	6 20	3 00
28 90		51 67	85 50	16 44	587 90	19 75	20 00
15 15		51 67	73 00	16 44	540 94	1 80	27 50
28 25		51 67	70 50	16 44	416 20	9 60	11 50
9 50		51 67	53 00	16 44	294 57	75	
.		51 67	49 00	16 44	293 20	4 25	22 50
22 75		58 17	54 00	16 44	415 93	11 30	22 50
2 50		51 67	69 00	16 44	552 69	17 00	15 75
3 50		51 67	76 00	16 44	422 43	57 33	
37 85		51 67	50 50	16 44	269 40	3 20	19 50
10 00		51 67	48 00	16 44	304 00	1 60	21 58
38 00		58 17	52 00	16 44	300 88	9 00	22 50
26 75		51 67	48 00	16 44	250 01	2 65	25 75
1056 58	471 53	3285 99	293 50	19 68	9 8 86	73 75	262 89
.							
\$2635 59	\$471 53	4745 75	2766 75	\$480 00	\$15705 42	\$372 02	\$5566 01

**Expenditures all Companies and Supply Dept, for Year
ending December 31, 1909.**

COMPANIES	Lighting	Stores	Insurance	TOTALS
Fire Boat Geo. H. Williams	\$ 24 70	\$ 136 62	\$525 00	\$ 29581 08
Engine Company No. 1	27 30	6 25		13759 41
Engine Company No. 3	27 30	14 05		13524 84
Engine Company No. 4	14 95	4 50		11077 97
Engine Company No. 5	15 90	2 44		11200 21
Engine Company No. 6	13 30			11079 14
Engine Company No. 7	15 90			11068 12
Engine Company No. 8	11 40			10874 35
Engine Company No. 9	11 40	19 23		10776 05
Engine Company No. 10	11 40			10925 12
Engine Company No. 11	11 40	3 75		10840 75
Engine Company No. 12	10 45			10757 03
Engine Company No. 13	13 30	20 10		11383 72
Engine Company No. 14	11 40	11 86		10803 45
Engine Company No. 15	5 70	6 96		11259 53
Truck Company No. 1	11 40	1 50		12798 84
Truck Company No. 2	14 00			10673 60
Truck Company No. 3	15 90	17 58		10437 51
Truck Company No. 4	11 40			10521 69
Truck Company No. 5	10 45	4 50		10312 53
Hose Company No. 1	11 40	10 50		7999 35
Hose Company No. 2	10 20			8204 96
Hose Company No. 3	11 40			8544 81
Hose Company No. 4	6 65			8341 89
Hose Company No. 6	12 10	20 55		8855 14
Chemical Company No. 1	5 45	66 93		4293 86
Chemical Company No. 2	4 75	60 56		4445 13
Chemical Company No. 4	8 55	18 96		4249 37
Office Supply		1410 78		21864 88
General Expenses				
Total	\$ 359 45	\$1837 62	\$525 00	\$ 320354 33

GENERAL EXPENDITURES FOR 1909.

Officers and staff salaries	\$ 26,358.89
Hydrant repairs	411.90
Cistern repairs	30.48
Office expenses	207.11
Printing and advertising	443.46
Incidentals, including Volunteer Hose Companies allowance	367.96
	\$ 27,819.80

Fire Alarm Telegraph—

New boxes and material	\$ 2,296.44
General repairs	1,128.07
	\$ 3,424.51
Total general expenditures	\$ 31,244.31

Summary of Expenditures—

Company and supply department expenses	\$320,354.33
General expenses	31,244.31
Total expenditures for 1909	\$351,598.64

LIST OF PROPERTY HELD IN TRUST.

Houses and Lots (Values Estimated)—

Fire boat house, dock and machine shop	\$ 28,000.00
Engine Co. No. 1 and Truck Co. No. 1, house and bell tower, lot 6, block 50	85,000.00
Engine Co. No. 3, house and lot, east half lot 8, block 315, city	25,000.00
Engine Co. No. 4, Truck Co. No. 2, house and lot, lot 6 block 143, city	9,000.00
Engine Co. No. 5, house and lot, lot 3, blk. 128, Caruthers	4,000.00
Engine Co. No. 6, house	2,000.00
Engine Co. No. 7 and Truck Co. No. 4, house and lot, north half lots 13, 14, 15 and 16, block 3, Frushes Square	15,000.00
Engine Co. No. 8 and Truck Co. No. 5, house	3,000.00
Engine Co. No. 9, house and lot, lot 6, block 20, Sunnyside	5,200.00
Engine Co. No. 10, house and lot 50x100, Macadam road	5,000.00
Engine Co. No. 11, house and 2 lots 100x100, northwest corner East 12th and Powell	6,000.00
Engine Co. No. 12, house and lot, lot 4, block 5, Wynkoop Villa	5,900.00

Engine Co. No. 13, house and lot, lot 5, block 71, Holladay.	13,500.00
Engine Co. No. 14, house and lot, lot 6, block 5, Maegly Highland	6,500.00
Engine Co. No. 15, house and lot, lot 1, block 104, Grovers' Addition	12,000.00
Truck Co. No. 3, house and lot, east half lots 2 and 3, block 99, Couch	15,000.00
Hose Co. No. 1, Chemical Eng. Co. No. 1, house and lot, north half lot 3, block 30, city	25,000.00
Hose Co. No. 2 and Chemical Eng. Co. No. 2, house and lot, north half lot 4, block 9	17,500.00
Hose Co. No. 3, house and lot, south half lot 7, block 76, Stevens' Addition	3,500.00
Hose Co. No. 4, house and 2 lots, lots 12 and 13, block 57, Sellwood	7,500.00
Hose Co. No. 6, house, lot and corporation shed, lot 2, block 291, Couch	6,500.00
Chemical Co. No. 4, house and lot, lot 13, block 14, Multnomah	2,500.00
Supply depot house and lot, north half lot 6, block 47, Holladay	2,500.00
Lot on Borthwick street, lot 11, block 10, Proebstel's Add.	1,000.00
House and lot Vancouver avenue, lot 14, block 29, Albina Homestead	1,000.00
50x95 feet northeast corner 3rd and Glisan streets	45,000.00
Lots 7 and 10, block 1, Subdivision Z, southeast corner 15th and Montgomery streets	6,750.00
Lot 20, block 26, Albina Avenue Addition, Russell street between Williams and Rodney avenues	5,000.00
Lot 16, block 3, King's 2d Addition, east side 24th street between Kearney and Lovejoy streets	5,000.00
Lots 14 and 15, block 1, East Irvington, east side East 24th street between Thompson and Tillamook streets	2,500.00
Lots 1 and 2, Kenilworth	1,500.00
Lot 1, block 2, Ramona	2,500.00
100 feet by 100 feet, south half block B, Patton Tract...	1,500.00
Total	\$376,850.00

Apparatus—

One fire boat, 17 engines, 16 hose wagons, 5 combination chemical engines and hose wagons, 2 four-wheeled hose carriages, 1 four-wheeled hand (hose) carriage, 4

two-wheeled hose carts, 1 two-wheeled hose reel, 1 first-class hook and ladder truck, 1 second-class hook and ladder truck, 3 third-class hook and ladder trucks, 1 village hand truck, 1 combination chemical engine and truck, 4 chemical engines	\$185,000.00
Harness	5,000.00
Property in City Hall office	600.00
Property in engine houses	12,000.00
117 horses	23,750.00
Hose	30,000.00
Machinery and tools, machine shop	1,500.00
Fire alarm apparatus	75,000.00
Total	\$332,850.00
Total value houses and lots (estimated)	376,850.00

Total value of property in trust

LOCATION OF HOUSES.

Fire boat "George H. Williams," foot of East Washington street.
 Engine Company No. 1, east side of Fourth, between Morrison and Yamhill streets. No. 170 Fourth street.
 Engine Company No. 3, south side of Washington, opposite North Sixteenth street. No. 510 Washington.
 Engine Company No. 4, east side of Fourth, between Montgomery and Mill streets. No. 370 Fourth street.
 Engine Company No. 5, west side of Front, between Whitaker and Gibbs streets. No. 811 Front street.
 Engine Company No. 6, Nicolai, between Twenty-first and Twenty-second streets.
 Engine Company No. 7, southeast corner East Third and East Pine streets. No. 40 East Third street.
 Engine Company No. 8, north side of Russell, between Williams avenue and Rodney avenue. No. 287 Russell street.
 Engine Company No. 9, corner Thirty-fifth and Belmont streets, Sunnyside. No. 162 East Thirty-fifth street.
 Engine Company No. 10, No. 1250 Macadam, Fulton.
 Engine Company No. 11, northeast corner Twelfth and Powell streets. No. 545 Powell street.
 Engine Company No. 12, northwest corner East Twenty-eighth and Davis streets. No. 63 East Twenty-eighth street.
 Engine Company No. 13, northwest corner Grand avenue and Multnomah street. No. 361 Grand avenue, North.

Engine Company No. 14, 1029 Union avenue, North.
 Engine Company No. 15, 590 Spring street, Portland Heights.
 Chemical Engine No. 1, west side of Second, between Oak and Pine streets. No. 69 Second street.
 Chemical Engine No. 2, west side of First, between Madison and Jefferson streets. No. 273 First street.
 Chemical Engine No. 4, 859 Mississippi avenue.
 Hook and Ladder Company No. 1, east side of Fourth, between Morrison and Yamhill streets. No. 168 Fourth street.
 Hook and Ladder Company No. 2, east side of Fourth, between Montgomery and Mill streets. No. 368 Fourth street.
 Hook and Ladder Company No. 3, north side of Glisan, between North Fourteenth and North Fifteenth streets. No. 511 Glisan street.
 Hook and Ladder Company No. 4. No. 40 East Third street.
 Hook and Ladder Company No. 5. No. 287 Russell street.
 Hose Company No. 1, west side Second, between Oak and Pine streets. No. 69 Second street.
 Hose Company No. 2, west side of First, between Madison and Jefferson streets. No. 273 First street.
 Hose Company No. 3, west side of East Seventh, between Stephens and East Harrison streets. No. 367 East Seventh street.
 Hose Company No. 4, No. 1660 Thirteenth street, Sellwood.
 Hose Company No. 6, west side of Twentieth, between Quimby and Raleigh streets. No. 329 Twentieth street, North.
 Supply building, west side of Union avenue, between Holladay avenue and Hassalo street. No. 227 Union avenue North.
 Bell tower, in rear of Engine Company No. 1.

Exhibit of Losses by Fire During the Year 1909, Value of Property, Insurance Involved, Insurance Paid, etc.

MONTHS	Value Involved in Fires		Loss	
	Building	Contents	Building	Contents
January	\$ 243,650 00	\$ 57,129 00	\$ 16,868 39	\$ 8,887 34
February	83,400 00	96,375 00	13,750 74	24,746 90
March	171,250 00	189,600 00	13,856 15	82,326 80
April	49,620 00	44,335 00	12,284 40	4,039 25
May	644,030 00	126,829 39	19,219 33	21,095 89
June	123,430 00	309,825 00	21,956 45	5,999 80
July	176,123 00	161,700 00	11,446 50	12,212 43
August	74,983 00	76,750 00	14,716 51	6,837 50
September	401,987 00	415,774 45	67,543 11	187,171 38
October	281,000 00	276,784 42	16,207 40	14,394 39
November	85,700 00	74,002 95	5,439 06	11,808 07
December	509,525 00	259,140 00	10,477 83	11,123 05
Totals,	\$ 2,844,698 00	\$ 2,083,245 21	\$ 223,766 47	\$ 390,642 80

MONTHS	Loss in which Fire did Originate		Loss in which Fire did not Originate	
	Building	Contents	Building	Contents
January	\$ 16,798 39	\$ 8,687 34	\$ 70 00	\$ 200 00
February	13,570 74	24,704 90	190 00	42 00
March	6,232 35	66,616 30	7,623 80	15,710 50
April	12,080 40	4,021 25	204 00	18 00
May	12,902 13	19,686 89	6,317 80	1,409 00
June	14,456 45	2,374 80	7,500 00	3,625 00
July	8,131 00	10,295 43	3,315 50	1,917 00
August	12,137 26	6,352 50	2,579 25	485 00
September	67,543 11	187,117 58		53 80
October	14,461 40	12,953 99	1,746 00	1,440 40
November	5,314 06	10,846 64	125 00	961 43
December	10,032 58	11,014 30	445 25	108 75
Totals,	\$ 193,659 87	\$ 364,671 92	\$ 30,106 60	\$ 25,970 88

Exhibit of Losses by Fire During the Year 1909, Value of Property,
Insurance Involved, Insurance Paid, Etc.

MONTHS	Insured for		Insurance Paid	
	Building	Contents	Building	Contents
January -----	\$ 114,650 00	\$ 30,019 00	\$ 14,232 39	\$ 8,297 34
February -----	47,250 00	62,250 00	13,595 74	23,912 65
March -----	72,600 00	82,450 00	4,395 15	31,378 80
April -----	31,867 75	25,550 00	11,177 15	3,479 25
May -----	335,255 00	57,175 00	13,706 03	14,910 89
June -----	62,992 20	291,700 00	14,083 65	3,039 80
July -----	93,800 00	123,550 00	7,660 50	8,422 43
August -----	41,324 00	59,250 00	10,477 51	4,052 50
September -----	185,630 00	327,500 00	16,808 11	177,041 01
October -----	151,350 00	161,500 00	11,332 70	9,867 89
November -----	43,185 00	35,415 00	4,714 06	10,188 07
December -----	414,850 00	271,000 00	7,449 83	5,823 05
Totals, ----	\$ 1,594,753 95	\$ 1,526,359 00	\$129,632 82	\$ 382,392 61

MONTHS	Confined to Building in which it started	Confined to Floor where it started	Extended to Adjoining Building	Extended Beyond Adjoining Building	Extinguish- ed by Water	Extinguish- ed by Chemical
January	13	25	2	.	14	9
February	6	13	2	.	9	6
March	9	9	.	1	7	8
April	8	6	2	.	10	9
May	2	16	2	1	19	20
June	9	22	.	1	19	10
July	7	16	.	2	24	6
August	7	12	2	1	26	6
September	16	17	.	.	19	3
October	9	16	2	1	15	9
November	7	15	1	.	14	8
December	9	21	2	.	11	8
Totals,	108	188	15	7	187	102

Total Loss	\$ 614,409	27
Insurance	3,121,112	95
Insurance Paid	512,025	43
Loss over Insurance Paid	102,373	84
Value of Property Involved	4,932,943	21

Classification of Losses

Number of Fires		January	February	March	April	May	June	July	August	September	October	November	December	Totals
No. of false alarms	5	4	5	7	8	14	7	8	5	6	8	14	1	503
No. of fires, no loss other than building	54	20	23	35	34	45	40	47	47	31	51	76	105	
No. of fires, loss under \$100	9	5	5	8	12	13	12	11	7	5	7	11	11	
No. of fires, loss between \$100 and \$200	4	2	3	3	5	---	5	2	4	2	2	2	17	
No. of fires, loss between \$200 and \$300	4	1	1	3	---	2	---	2	1	3	1	2	17	
No. of fires, loss between \$300 and \$400	4	1	1	2	2	2	---	2	1	4	1	1	16	
No. of fires, loss between \$400 and \$500	1	---	---	---	---	---	2	1	1	1	1	1	9	
No. of fires, loss between \$500 and \$750	2	1	1	1	2	3	---	---	4	2	2	1	17	
No. of fires, loss between \$750 and \$1000	2	1	---	1	---	1	1	1	1	1	1	---	9	
No. of fires, loss between \$1000 and \$2000	2	4	1	1	1	1	1	1	3	1	3	5	26	
No. of fires, loss between \$2000 and \$5000	3	1	---	2	3	1	3	2	1	5	2	4	27	
No. of fires, loss between \$5000 and \$10,000	1	---	1	1	2	---	2	---	1	1	---	---	9	
No. of fires, loss over \$10,000	---	---	2	---	1	1	---	---	2	---	---	---	6	
Totals	87	39	45	59	70	83	73	77	78	62	78	117	868	

Table of Fires and Alarms for Year ending December 31, 1908.

Months	From all sources	Boxes	Telephones	Stills	Actual Fires	False Alarms
January -----	80	23	50	7	23	6
February -----	67	17	41	9	24	8
March -----	69	20	37	12	19	6
April -----	73	20	41	12	23	3
May -----	40	18	18	4	18	1
June -----	48	12	24	12	17	6
July -----	94	44	43	7	46	8
August -----	79	13	52	14	23	8
September -----	64	25	31	8	19	8
October -----	48	14	26	8	17	2
November -----	51	16	32	3	17	6
December -----	85	29	48	8	21	7
Totals -----	798	251	443	104	267	69

Table of Fires and Alarms for Year Ending December 31, 1909

Months	From all sources	Boxes	Telephones	Stills	Actual fires	False alarms
January -----	87	30	52	5	28	5
February -----	39	20	17	2	15	4
March -----	45	17	22	6	17	5
April -----	59	25	29	5	19	7
May -----	70	32	29	9	28	8
June -----	83	27	34	22	24	14
July -----	73	28	35	10	26	7
August -----	77	25	42	10	22	8
September -----	78	24	46	8	26	5
October -----	62	26	31	5	25	6
November -----	78	20	53	5	21	8
December -----	117	33	74	10	26	14
Totals -----	868	307	464	97	277	91

CAUSES OF FIRES AND ALARMS

Causes of Fire	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Accidents	2							1			5		8
Alcohol Lamp								1					1
Ash Barrel	1												1
Boiling Grease, Wax											1		1
Boiling Oil										1			1
Boiling Tar		2		1		1	1	1	3				4
Bonfires					1	2	1	4	2			1	9
Burning Brush						2	1	4	2				9
Burning Flues	20	6	11	16	8	5	4	4	10	11	25	55	175
Burning Grass				1	3	3	8	8	8				31
Burning Grease										1			1
Burning Paper													1
Bursting Steam Pipe			1	1									4
Broken Gas Main	2												2
Broken Wires													1
Carelessness	3	2			1	1	3		4	1	6	3	24
Christmas Tree	1												2
Children with Matches								2	2	1			6
Cigars	2							4		1			15
Crossed Wire	3		1	1	2	3	3		3	4	1		15
Defective Fuse													1
Defective Furnace	1								1				3

Causes of Fires and Alarms—Cont'd.

Causes of Fires	January	February	March	April	May	June	July	August	September	October	November	December	Total
Defective Flue	8	2	2	2	8	3	4	3	4	4	4	7	51
Defective Fireplace													1
Defective Gas Pipe		1					1	1	1			1	3
Defective Gas Range													1
Defective Hearth			1										1
Defective Range													1
Defective Forge										1			1
Defective Stone				1							1		3
Defective Wiring		3				1			1		1		6
Explosion of mill dust													1
Electric wires	3	3					1	1				1	10
Electric iron	1	1	1										3
Electric motor													1
Escaping steam													2
False alarms	5	4	5	7	8	14	7	8	5	6	8	14	91
Fireworks	1						4						5
Fumigating								1		1			2
Furnace explosion													2
Gas explosion	1			1	2	3	1						7
Gas pot													1
Gas stove													1
Gas leak			1		1		1	1	1	1			6
						1							3

Causes of Fires and Alarms—Cont'd.

Causes of Fire												
January	February	March	April	May	June	July	August	September	October	November	December	TOTALS
Sparks, locomotive.....	---	---	---	---	---	---	---	---	---	---	---	1
Sparks, stack.....	---	---	---	---	1	---	---	---	---	---	---	1
Sparks, stove.....	1	---	---	---	---	---	---	1	---	---	---	1
Sparks, fireplace.....	1	---	---	---	---	---	---	---	---	---	---	1
Sparks, auto.....	---	---	2	---	1	5	3	3	1	---	---	17
Spontaneous combustion.....	---	---	---	---	---	2	1	1	---	---	---	7
Supposed incendiary.....	---	1	---	1	---	1	---	---	1	---	---	2
Slacking lime.....	---	---	---	---	---	---	---	---	---	---	---	2
Thawing gas meter.....	2	---	---	---	---	---	---	---	---	---	---	5
Thawing water pipes.....	5	---	6	8	10	9	8	10	12	11	7	97
Unknown.....	5	3	8	8	10	9	8	10	12	11	7	97
Totals,.....	87	39	45	70	83	73	77	78	62	78	117	868

FIRE RECORD, 1883 TO 1909, 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
In 1900 total losses amounted to.....	73,809.92
In 1901 total losses amounted to.....	254,704.11
In 1902 total losses amounted to.....	591,870.90
In 1903 total losses amounted to.....	912,753.73
In 1904 total losses amounted to.....	414,899.89
In 1905 total losses amounted to.....	860,420.14
In 1906 total losses amounted to.....	503,911.39
In 1907 total losses amounted to.....	424,183.44
In 1908 total losses amounted to.....	795,755.91
In 1909 total losses amounted to.....	614,409.27

SUMMARY.

Organization and Equipment—

The Fire Department as now constituted under the control of your Honorable Body consists of:

- One chief engineer.
One assistant chief engineer.
Three battalion chiefs.
One superintendent fire alarm telegraph.
One master mechanic.
One relief engineer.
One machinist.
One instrument maker.
Three linemen.

One hydrantman.
 One assistant hydrantman.
 One supply driver.
 Three switch board operators.
 Fourteen steam fire engine companies, manned by 116 men.
 Three chemical engine companies, manned by 9 men.
 Five hose companies, manned by 30 men.
 Five hook and ladder companies, manned by 42 men.
 One fire boat company and hose wagon, manned by 19 men.
 Total, 235 men.
 One hundred and seventeen horses.
 Three reserve engines, viz.:
 One extra first-class Metropolitan in first-class condition.
 One second-class Watrous in fair condition.
 One fourth-class Silsby in poor condition.
 One reserve hook and ladder truck, fourth class, good condition.
 One reserve hose wagon.
 Two combination chemical and hose wagons.
 One village truck.
 One fuel wagon.
 One supply wagon.
 One cart for hydrantmen.
 One wagon for fire alarm telegraph.
 Six buggies for officers.
 One automobile.
 Twelve reserve horses—six crippled.

Auxiliary Volunteer Fire Companies—

Midway Volunteer Hose Company: One hose reel and 500 feet of cotton hose and 600 feet of rubber hose.

North Albina Volunteer Hose Company: One hose reel and 600 feet of rubber hose and 1000 feet of cotton hose.

Fire Hose in Service—

In the Department we have 2050 feet of 3½-inch cotton, rubber-lined hose; 8150 feet of 2½-inch cotton, rubber-lined hose; 33,168 feet of 2½-inch cotton, rubber-lined hose; 4200 feet of 1½-inch cotton, rubber-lined hose; 1200 feet of 1-inch rubber-lined hose; 1600 feet of 2½-inch in volunteer companies; 2000 feet of 2½-inch cotton, rubber-lined in reserve, making a grand total of 52,368 feet of hose.

Work Accomplished by the Fire Department in Connection with the Bureau of Inspection—

Reports written on various fires, 774; inspections made by

various captains and lieutenants, 369; total complaints on these reports, 25; 8 nickelodion inspections, 55; theater inspections, 11.

The work summarized and done by the Fire Marshal's office during the year 1909 consists of the following: 4264 building inspections, 2365 electrical inspections, 73 theater and nickelodion inspections, 12 fuel oil plants supervised and the supervision of 184 buildings in course of construction. One hundred and sixty-six standard reports have been written during the year covering mills, factories, warehouses, etc.

From June to September, inclusive, about 1800 letters and notices were written and set out covering the removal of rubbish and moss on roofs, etc. Fifty-one school house inspections were made, developing 170 complaints; other features of the work were 149 changes in nickelodions, 62 changes in theaters, 49 changes in film exchanges.

Contracts have been let and construction is now under way on engine houses at Fifteenth and Montgomery streets, and Russell street, between Williams and Rodney avenues. The latter will be the home of Engine Company No. 8 and Truck No. 5, and the former will be the home of Engine Company No. 16, to be organized. Two lots belonging to the city at Patton avenue and Willamette boulevard have been given over to the Fire Department, and bids have been asked for the construction of a fire station at said locality. Plans and specifications have also been drawn for a fire station at Mt. Tabor, a lot having been purchased for said purpose, and bids are being asked for the construction of the building. Two lots were purchased at Kenilworth for a fire station, but no steps have been taken towards the erection of a building. The city also has sites for fire stations at Third and Glisan streets, Twenty-fourth and Thompson, and in the vicinity of St. Vincent's Hospital.

The automobile purchased has been a valuable accessory to the apparatus of the department. There have been nine horses purchased during the year, and the stock of the department is in good condition.

A contract has been let for two third size engines for stations at Sellwood and Fulton and the apparatus will be received in a short time. Contracts have also been made for 4750 feet of 2½-inch fire hose for outlying districts, viz.: Richmond, Portsmouth, Woodlawn, Arbor Lodge, Vernon and Montavilla, which will be on hand in the near future.

Fifteen new fire alarm boxes have been received and will be installed under the supervision of the superintendent of the fire alarm telegraph. This will be a valuable acquisition to the alarm system.

There have been placed by the Water Department during the year 385 hydrants, making a total of 1659 in service December 31, 1909.

RECOMMENDATIONS.

Certain improvements in addition to what has been mentioned in the estimate for 1910, calls for some attention and I suggest the following:

A water tower is almost a necessity as innumerable buildings now occupied and under construction could be given the protection that such an apparatus affords, and the efficiency of the service would be greatly augmented by its installation. Drill towers are becoming a part of the system of all well organized fire departments and I know of nothing that will show results better than frequent drills or exercises on a tower where practical workings can be demonstrated. The old reservoir block at Sixth and Grant streets would be a convenient and desirable location for the erection of such a tower and the expense would be very small compared with the benefits to be derived therefrom.

I recommend that a lot for Engine Company No. 6 be purchased for a permanent home for said company. Property in that vicinity is rising in value and it does not seem the proper thing to locate fire stations on leased ground where we may at any time be required to vacate.

With the fire stations now under construction and contemplated in our estimate, the city will be fairly well protected, considering the great area embraced in the city limits, but on account of the great number of buildings being erected at Kenton in close proximity to the Swift Packing Plant, I would recommend that a fire station be located in that vicinity.

I recommend that automobile engines and combination chemical and hose wagons be considered in the near future as such apparatus appears to be in high favor in many of the departments of the country and whilst the expense would be some greater at the start than the ordinary apparatus, the saving, I believe, would cut quite a figure as compared to horses for motive power and the time saved in answering alarms would most certainly lessen the loss; so that along the lines of progress that now attract the attention of many communities and in the matter of fire protection, I think this subject should receive some consideration. I recommend that 500 hydrants be furnished by the Water Board, as there is a continual demand for such protection in all parts of the city and especially is this so in the outlying districts.

The laying of water mains is going steadily on and as these mains are placed, hydrants should be installed at all necessary and convenient points. Compared with other cities, we are far short of the required number for necessary protection. For example, the City of

Milwaukee, with less than half the area of Portland, has twice the number of hydrants that we have. This matter should therefore receive prompt attention.

There are several fire station buildings of the department that should be remodeled or new erected, with other changes that location might suggest. The home of Engine Company No. 4 and Truck Company No. 2 at Fourth and Montgomery streets is in an old building, and I think it would be wise to dispose of this property and purchase a new site farther south and west, which would equalize the distance between fire stations in addition to placing the new station on higher ground, thus giving a down grade run as against an up grade, as at present situated. Such a change would certainly be for the betterment of the service.

Truck Company No. 3 house at Fourteenth and Glisan streets, is in an old building and is hadly in need of repairs. I suggest that it be replaced with a brick building with capacity to accommodate an engine company in addition to the truck. Such a proposition would satisfy the protection desired in this fast developing wholesale district.

The house of Engine Company No. 7 and Truck Company No. 4 at East Third and East Pine streets is too small for the accommodation of the two companies and an addition should be built, as there is sufficient ground for such purpose, and this would relieve the cramped condition now existing. This is an old building and with the addition referred to and remodeling of the old structure, a first-class station would be obtained in a desirable locality.

These improvements in addition to what is now under way would place the quarters of the department in very good condition.

Respectfully submitted,

DAVID CAMPBELL, Chief Engineer.

CISTERNS—LOCATION, CAPACITY AND SIZE OF SUPPLY.

Northern District.

	Gallons.	Feed pipe, Inches.
First and Alder	20,000	3
First and Washington	20,000	4
First and Stark	23,000	4
First and Oak	20,000	4
First and Ash	20,000	4
First and Burnside	15,000	4
Second and Alder	20,000	6
Second and Stark	20,000	4
Second and Pine	25,000	6
Second and Couch	20,000	6
Second and Everett	20,000	6
Third and Washington	15,000	6
Fourth and Stark	20,000	3
Fourth and Burnside	11,000	4
Fifth and Washington	15,000	4
Fifth and Oak	15,000	3
Fifth and Everett	20,000	6
Fifth and Glisan	20,000	3
Sixth and Davis	20,000	4
Seventh and Washington	15,000	6
Seventh and Oak	15,000	6
Seventh and Burnside	16,000	6
Eighth and Everett	20,000	4
Ninth and Everett	17,000	4
Tenth and Couch	15,000	6
Tenth and Glisan	20,000	2 and 6
Twelfth and Washington	15,000	4
Twelfth and Johnson	20,000	6
Thirteenth and Burnside	20,000	6
Fourteenth and Glisan	20,000	4
Fourteenth and Marshall	20,000	3
Sixteenth and Davis	20,000	6
Twentieth and Glisan	20,000	4
Twenty-first and Washington	20,000	4

Eastern District.

	Gallons.	Feed pipe, Inches.
Union avenue and East Pine.....	20,000	4
Union avenue and Fremont.....	20,000	2
Grand avenue and East Washington.....	20,000	6
Grand avenue and East Clay.....	25,000	4
East Twelfth and East Ankeny.....	25,000	6
East Fourteenth and East Pine.....	25,000	6
Williams avenue and Cherry.....	20,000	1½
Williams avenue and Beech.....	20,000	4
Loring and Harding.....	20,000	4
Mississippi avenue and Goldsmith.....	20,000	6
Minnesota and Beech.....	20,000	4

Southern District.

	Gallons.	Feed pipe, Inches.
Front and Harrison.....	20,000	3
Front and Columbia	20,000	6
Front and Madison	20,000	4
First and Meade	20,000	3
First and Mill	15,000	4
First and Jefferson	15,000	3
First and Salmon	20,000	4
First and Taylor	20,000	4
First and Morrison	20,000	3
Second and Caruthers	20,000	3
Second and Hall	20,000	4
Third and Grant	20,000	3
Third and Montgomery	12,000	6
Third and Jefferson	15,000	6
Third and Taylor	20,000	4
Third and Morrison	20,000	4
Fourth and Clay	20,000	4
Fifth and Caruthers	20,000	3
Fifth and Taylor	15,000	3
Fifth and Morrison	15,000	4
Sixth and College	20,000	3
Sixth and Mill	20,000	3
Sixth and Main	18,000	3
Seventh and Harrison	15,000	6
Seventh and Jefferson	20,000	3
Seventh and Salmon	15,000	3

Southern District—Continued.

	Gallons.	Feed pipe, Inches.
Seventh and Morrison	8,000	6
Tenth and Hall	20,000	3
Tenth and Clay	20,000	3
Eleventh and Jefferson	20,000	3
Eleventh and Salmon	20,000	3
Eleventh and Morrison	20,000	two 4
Thirteenth and Madison	20,000	3
Fourteenth and Market	20,000	3
Lownsdale and Morrison	15,000	4
Seventeenth and Yamhill	20,000	3
Total number of cisterns, 81.		

ANNUAL REPORT OF FIRE ALARM TELEGRAPH.

Portland, Oregon, December 31, 1909.

Mr. David Campbell, Chief of Fire Department, Portland, Oregon.

Dear Sir: I submit the following as my annual report of the operation of and work done on the fire alarm telegraph:

During the past year considerable work has been accomplished in extending and rebuilding the circuits of the fire alarm telegraph system, the service has been extended to several new districts which have heretofore been unprotected with this service and twenty new boxes were installed as follows:

- No. 148 Twentieth and Flanders.
- No. 132 Thirteenth and Washington.
- No. 151 Eleventh and Glisan.
- No. 149 Weidler's Mill Yard.
- No. 156 Corbett and Gaines.
- No. 157 Twenty-fourth and Overton.
- No. 158 King and Washington.
- No. 159 Twenty-third and Glisan.
- No. 239 Thirty-first and East Taylor.
- No. 264 East First and Oak.
- No. 297 East Thirteenth and Nehalem.
- No. 298 East Eleventh and Marion.
- No. 281 Southern Pacific Car Shops.
- No. 346 Williams-avenue and San Rafael.
- No. 347 East Second and Clackamas.
- No. 353 East Eleventh and Weidler.
- No. 384 Blandena and Michigan avenue.
- No. 385 Killingsworth and Vernon avenues.
- No. 386 Union and Dekum avenues.
- No. 387 Killingsworth and Williams avenues.

The operation of the underground circuits has been perfect, no trouble or interruption of any kind having occurred, demonstrating the reliability of this kind of construction; during the past year seven boxes were disconnected from the aerial wires and connected to the underground circuits and 3568 feet of two conductor, 360 feet of eight conductor and 560 feet of six conductor rubber-covered lead-encased cables were placed in underground iron pipes or ducts. There are now 195 street boxes connected to our circuits, also fifteen having been received during this month and will be installed shortly.

Key guards have been secured for all boxes and the attaching of them is about 75 per cent completed.

During the coming year I expect to have all of the overhead wires in the underground district removed and the fire alarm boxes in this district connected to the underground cables.

I again recommend that sufficient underground cable be procured so as to be able to change from overhead wires to underground wherever there is available conduit.

Respectfully submitted,

CHARLES A. SAVARIAU,
Superintendent Fire Alarm and P. Teleg.

FIRE ALARM BOXES.

West Side—

- 7 Park and Jefferson streets.
- 8 Twelfth and Morrison streets.
- 9 Ninth and Everett streets.
- 12 First and Morrison streets.
- 13 Third and Washington streets.
- 14 Second and Pine streets.
- 15 First and Vine streets.
- 16 First and Flanders streets.
- 17 Sixth and Couch streets.
- 18 Front and Lovejoy streets.
- 19 Front and Stark streets.
- 21 Fifth and Morrison streets.
- 23 Park and Oak streets.
- 24 Fifteenth and Glisan streets.
- 25 Fourteenth and Northrup streets.
- 26 Seventeenth and Savier street.
- 27 Washington and Sixteenth streets.
- 28 Twelfth and Couch streets.
- 29 Twenty-second and Everett streets.
- 31 First and Meade streets.
- 32 Fourteenth and Jefferson streets.
- 34 Seventh and Jackson streets.
- 35 Seventeenth and Clay streets.
- 36 Twelfth and Hall streets.
- 37 Fourth and Grant streets.
- 38 Front and Market streets.
- 39 Water and Harrison streets.
- 41 Twentieth and Johnson streets.
- 42 Twenty-second and Savier streets.
- 43 Front and Fourteenth streets.
- 45 Seventh and Glisan streets.
- 46 Twentieth and Washington streets.
- 47 Eighteenth and Flanders streets.
- 48 Thirteenth and Johnson streets.
- 49 Twenty-second and Lovejoy streets.
- 51 Second and Taylor streets.
- 52 Third and Madison streets.
- 53 Park and Yamhill streets.

- 54 Fourth and Ash streets.
- 56 Eleventh and Main streets.
- 57 Seventeenth and Taylor streets.
- 58 West Main and Stout streets.
- 59 Seventh and Montgomery streets.
- 61 Front and Couch streets.
- 62 Fourth and Glisan streets.
- 63 Tenth and Washington streets.
- 64 Nineteenth and Pettygrove streets.
- 65 Hose Co. No. 6, Twentieth, bet. Quimby and Raleigh streets.
- 67 Twenty-fourth and Johnson streets.
- 68 Twenty-sixth and Thurman streets.
- 69 Nineteenth and Wilson streets.
- 71 Corbett and Whittaker streets.
- 72 Corbett and Bancroft streets.
- 73 Macadam and Thomas streets.
- 74 Hood and Caruthers streets.
- 75 Second and Sheridan streets.
- 76 Jones' Mill, Macadam road.
- 78 Foot of Lincoln street.
- 79 Macadam and Bancroft streets.
- 81 South Front and Gibbs streets.
- 82 Corbett and Porter streets.
- 83 Macadam and Railroad streets.
- 84 Idaho and Virginia streets.
- 85 Fifth and Columbia streets.
- 86 Sixteenth and Jefferson streets.
- 87 Seventeenth and Spring streets.
- 89 Twentieth and Clifton streets.
- 91 N. P. Lumber Mill Yard.
- 92 Front and Overton streets.
- 93 St. Vincent's Hospital.
- 94 Twenty-fourth and Xavier streets.
- 95 Eastern Lumber Company.
- 96 Fifteenth and Pettygrove streets.
- 97 Twenty-third and Roosevelt streets.
- 98 Thirty-second and Thurman streets.
- 121 Third and Morrison streets.
- 123 Front and Salmon streets.
- 124 First and Hall streets.
- 125 Fourth and Mill streets.
- 126 First and Jefferson streets.
- 127 Fourth and Salmon streets.

- 128 Eleventh and Market streets.
- 129 Sixteenth and Montgomery streets.
- 131 Seventh and Washington streets.
- 132 Thirteenth and Washington streets.
- 134 Sixth and Salmon streets.
- 135 Fifth and Washington streets.
- 136 Portland Hotel.
- 137 St. Clair street and Park avenue.
- 138 Twenty-third and Washington streets.
- 139 Twenty-second and Irving streets.
- 141 Third and Oak streets.
- 142 Third and Davis streets.
- 143 Steel Bridge Office.
- 145 Seventeenth and Kearney streets.
- 146 Sixth and Irving streets.
- 147 Park and Hoyt streets.
- 148 Twenty-first and Flanders streets.
- 149 Weidler's Mills.
- 151 Eleventh and Glisan streets.
- 152 Morrison Street Bridge Office, West Side.
- 153 Foot of Salmon street.
- 154 Foot of Jefferson street.
- 156 Corbett and Gaines streets.
- 157 Twenty-fourth and Overton streets.
- 158 King and Washington streets.
- 159 Twenty-third and Glisan streets.
- 161 First and Oak streets.
- 162 Foot of Stark street.
- 163 Foot of Pine street.
- 164 Foot of Vine street.
- 165 Burnside Bridge, West Side.
- 167 Foot of Flanders street.
- 172 Front and Wilson streets.
- 173 N. P. Lumber Mills.
- 181 Lownsdale and Morrison streets.
- 182 Sixth and Alder streets.
- 183 Sixth and Pine streets.
- 184 Fifth and Oak streets.

East Side—

- 212 East Eighth and Taylor streets.
- 213 Water and East Morrison streets.
- 214 Hawthorne avenue and East Water street.

- 215 Grand avenue and East Clay street.
- 216 East Eleventh and Stephens streets.
- 217 East Twelfth and East Morrison streets.
- 218 East Twelfth and East Ankeny streets.
- 219 East Ninth and East Oak streets.
- 231 Union avenue and East Oak street.
- 232 Grand avenue and East Salmon street.
- 234 Grand avenue and East Morrison street.
- 235 Grand avenue and East Burnside street.
- 236 Union and Holladay avenues.
- 237 Larrabee and Holladay avenue.
- 238 Larrabee and Broadway streets.
- 239 Thirty-first and East Taylor streets.
- 241 East Ninth and East Davis streets.
- 242 East Sixteenth and East Davis streets.
- 243 East Sixteenth and East Morrison streets.
- 245 East Twentieth and East Taylor streets.
- 246 East Twenty-second and East Ankeny streets.
- 247 East Twenty-eighth and East Burnside streets.
- 248 East Thirty-fifth and Belmont streets.
- 249 East Thirtieth and East Stark streets.
- 251 East Seventh and East Harrison streets.
- 252 East Eighth and Brooklyn streets.
- 253 East Eleventh and Division streets.
- 254 Foot of East Main street.
- 256 Madison Street Bridge, East Side.
- 257 Foot of Division street.
- 258 Grand avenue and Caruthers street.
- 259 East Eleventh and Beacon streets.
- 261 Morrison Street Bridge, East Side.
- 262 East Fourteenth and Main streets.
- 263 Foot of East Washington street.
- 264 East First and Oak streets.
- 265 Burnside Street Bridge, East Side.
- 267 Standard Oil warehouse, East Water and East Madison streets.
- 268 East Twenty-eighth and Belmont streets.
- 269 East Forty-second and Taylor streets.
- 271 East Twenty-first and Powell streets.
- 272 East Twenty-first and Division streets.
- 273 East Twenty-second and East Madison streets.
- 274 East Twenty-sixth and Brooklyn streets.
- 275 East Thirtieth and Hawthorne avenue.
- 276 East Thirty-fourth and Division streets.

- 278 East Thirty-ninth and Hawthorne avenue.
- 279 East Thirty-second and Gladstone streets.
- 281 S. P. Car Shops.
- 291 Milwaukie and Caywood streets.
- 292 East South avenue and Milwaukie street.
- 293 East Eleventh and Leo avenue.
- 294 East Eighth street and Umatilla avenue.
- 295 East Nineteenth and Umatilla streets.
- 296 East Thirteenth and Sherrett.
- 297 Thirteenth and Nehalem streets.
- 298 East Eleventh and Marion streets.

Albina—

- 312 Russell and Railroad streets.
- 313 Commercial and Shaver streets.
- 314 Goldsmith street and Albina avenue.
- 315 Mississippi avenue and Stanton street.
- 316 Williams avenue and Russell street.
- 317 Williams avenue and McMillen street.
- 318 Union avenue and San Rafael street.
- 319 Union avenue and Russell street.
- 321 Mississippi avenue and Fremont street.
- 324 Mississippi avenue and Mason street.
- 325 Williams avenue and Mason street.
- 326 Williams avenue and Fremont street.
- 327 Union avenue and Morris street.
- 328 Union avenue and Failing street.
- 329 East Fifteenth and Broadway.
- 341 Russell and Borthwick streets.
- 342 Williams avenue and Morris streets.
- 343 East Eleventh and Tillamook street.
- 345 Borthwick and Fargo streets.
- 346 Williams avenue and San Rafael street.
- 347 East Second and Clackamas streets.
- 348 Twenty-first and Wasco streets.
- 349 Twenty-sixth and Weidler streets.
- 351 Steel Bridge, East Side.
- 352 Foot of Broadway.
- 353 East Eleventh and Weidler streets.
- 354 Goldsmith and Albina avenue.
- 356 Albina avenue and River.
- 357 Foot of Russell.
- 358 P. C. Elevator Wharf.
- 361 East Sixth and Halsey streets.

- 362 Williams avenue and Alberta streets.
- 363 East Eighth and Going streets.
- 364 East Fourteenth and Alberta streets.
- 381 Killingsworth and Albina avenues.
- 382 Rodney avenue and Ainsworth street.
- 383 Oneonta avenue and Durham street.
- 384 Blandena and Michigan streets.
- 385 Killingsworth and Union avenues.
- 386 Union avenue and Dekum street.
- 387 Killingsworth and Williams avenues.

Automatic—

- 512 Meier & Frank Warehouse, Seventh and Taylor streets.
- 513 Fleischner, Mayer & Co., First and Vine streets.
- 514 Rothchild Bros.
- 515 Gauld Co., First and Burnside streets.
- 516 Honeyman Hardware Company.
- 517 Clossett & Devers.
- 518 Portland General Electric Co., Twenty-first and Nicolai streets.
- 519 Wadhams & Co., Fourth and Oak.
- 521 Mt. Hood Shirt Co., Second and Couch streets.
- 523 Olds, Wortman & King.
- 524 Noon Bag Company.
- 525 Zan Bros.' Broom Factory, Blackstone and York.
- 526 Alisky Building, Third and Morrison streets.
- 527 Meier & Frank Co.
- 531 Goodyear Rubber Company, Fourth and Pine.
- 532 Crane Co., Second and Ash streets.
- 534 Mason, Ehrman & Co.
- 535 J. K. Gill, Third and Alder streets.
- 536 McCracken's Warehouse.
- 537 Blumauer-Frank Drug Company.
- 541 H. Wolf & Sons, First and Oak streets.
- 542 Blake-McFall Company.
- 543 Neustadter Bros.
- 546 Lang & Co., First and Ankeny.
- 547 George Lawrence Co., First and Oak streets.
- 561 Allen & Lewis, Front and Davis streets.
- 562 M. Seller & Co., Fifth and Pine streets.
- 563 Fuller & Co., Front and Pine streets.
- 564 Van Schuyver & Co., Second, bet. Washington and Stark.
- 567 R. M. Wade & Co., northeast corner First and East Clay.
- 568 J. I. Case Co., southeast corner First and East Clay.

INVENTORY OF FIRE ALARM TELEGRAPH.

144 miles No. 10 weather proof iron line wire, 185 fire alarm boxes, 53 keyless doors, 71 Cole key guards, 34,350 feet 2-pair rubber-covered underground cable, 13,060 feet 3-pair rubber-covered underground cable, 12,500 feet 4-pair rubber-covered underground cable, 7,100 feet 6-pair rubber-covered underground cable, 42,000 feet 1-pair rubber-covered underground cable, 360 feet 8-conductor rubber-covered underground cable, 2,000 feet 1-conductor rubber-covered underground cable, 1 tower bell and striker, 6 tower bells, 2 steam whistles and automatic blowers, 3 Gamewell marble switchboards, 929 cells storage battery, 3 marble protector boards, 2 automatic repeaters, 2 repeater stands, 1 automatic and manual transmitter, 1 stand for transmitter, 1 oak switchboard frame, 22 large-hole punch registers, 1 ink-marking register, 16 small-hole punch registers, 1 manual transmitter and character wheels, 1 automatic time stamp, 34 six-inch turtle gongs, 1 Seth Thomas clock, 1 portable voltmeter, 2 battery voltmeters, 1 oak stand for time stamp, 69 iron posts and locks for fire alarm boxes, 23 instrument boards, 21 electric light brackets, 1 set maps of Portland, 12 automatic paper tape winders. 1 10-circuit telephone cabinet with relays, etc., 12 portable telephones and leather cases, 100 telephone jacks, 1 decade testing set, 12 18-inch gongs, 10 15-inch gongs, 1 14-inch gong, 9 8-inch gongs, 3 6-inch gongs, 1 15-inch gong and indicator, 8 visual indicators, 60 small relays, 12 main line relays, 11 W. E. relays, 3 call bell sets, 43 automatic switches, 20 extension bell switches, 2 slate base switches, 1 oak relay case, 158 S. P. D. T. switches, 28 No. 5600 fuse blocks and fuses, 1200 feet 6-pair submarine cable, 2 set blue prints, 1 fire alarm box post pattern, 2028 feet circular loom, 20 pounds magnet wire, 40,131 feet No. 14 rubber-covered wire, 8 poles, 6,823 feet 1½-inch black iron pipe, 450 feet 1¼-inch black iron pipe, 1,600 feet 1-inch black iron pipe, 500 feet ¾-inch black iron pipe, 13,500 feet stranded guy, 61 horse unhitchers, 9 stall door openers, 47 pounds assorted magnet wire, 1 stop watch, 1 pair 6-foot cable wheels, 1 strong back, 1 winch, 1 6-inch iron block, 500 feet 5-16-inch wire rope, 2 canvas manhole covers, 8 gallons ozite compound, 1 boxwood dresser, 1 two-wheel pushcart, 2 handsaws, 7 cable terminal boxes, 1 work bench, 2 blow torches, 1 tool box, 1 gasoline furnace, 2 bits for braces, 1 pair comealongs, 1 set blocks and tackle, 2 payout reels, 1 steel tape line, 1 brace, 1 hacksaw frame, 6 padlocks, 1 screwdriver, 1 drawknife, 1 hand ax, 1 melting pot and ladle, 2 pair pliers, 1 Yankee drill and bits, 2 post hole diggers, 3 picks and shovels, 3 lanterns, 1 pipe reamer, 20 quarts black paint, 1 gallon varnish, 1 gong spring, 1

electric soldering iron, 1 level, 1 square, 1 S-wrench, 3 steel drills, 1 wood chisel, 2 14-inch Stilson wrenches, 2 lag wrenches, 1 2½-inch vibrating bell, 3 wood bits.

INVENTORY OF MACHINE SHOP.

4 lathe arbors, 3 butt expanders, 3-inch, 2½-inch, 1½-inch; 1 hand bellows, 1 brazing bellows and burner, 2 boring bars, 7 2-inch belts, 3 1½-inch belts, 2 4-inch belts, 1 cloth buffer, 4 flue headers, 1 carpenter's brace, 1 set bits, 13, ¼ to 1-inch; 1 expansion bit, 3 3-inch Cushman chucks with 2 sets jaws, 1 9-inch scroll chuck, Union Mfg. Co., with 2 sets jaws, 1 6-inch Independent chuck with 1 set jaws, 1 Pratt Co. drill chuck, 1 Miller Falls Co. pin chuck, 1 15-inch 4-jaw chuck, 3 pipe cutters, 9 small cold chisels, 10 cold chisels, 1 coal stove and pipe, 1 coupling for shafting, 1 ½-inch countersink, 1 ton chain blocks, 2 6-inch screw clamps, 2 carborundum wheels, 7-inch, 8-inch; 2 chisel bars, 2 hollow cutters ¼ and ⅜, 3 counters bore, 1 3-inch spring inside calipers, 1 3-inch outside spring calipers, 1 5-inch spring calipers inside, 1 5-inch outside spring calipers, 1 6-inch dividers, 1 3-inch dividers, 1 6-inch inside firm-joint calipers, 1 8-inch inside firm-joint calipers, 1 6-inch outside firm-joint calipers, 1 8-inch outside firm-joint calipers, 1 No. 6 Starrett thread gauge, 1 Starrett center gauge, 1 No. 281 wire gauge, 1 9-inch surface gauge, 1 No. 49 combination bevel, 1 12-inch combination square, 1 6-inch scale, 1 2-foot steel rule, 1 6-inch hermaphrodite, 1 20-inch Barnes drill press, 1 hand portable press, 1 chain press for brace, 6 pipe solid dies, 1 ⅝-inch, 2 ¾-inch, 1 ½-inch, 2 1-inch, 2 boiler tube dies, 1 ⅜-inch, left-hand Armstrong dies, 1 1-inch, left-hand Armstrong die, 3 pipe die stocks, 8 Armstrong dies 2-inch, 1 ½-inch, 1 ¾-inch, 2 1-inch, ¾-inch, ⅝-inch, ¼-inch, 1 set of wire gauge drills (80), 47 Morse twist drills, assorted sizes, 1 set of 7 Green River dies from ¼ to ¾-inch, 1 set Alphabet dies, 4 set of numbering dies, 8 lathe dogs, 1 emery wheel, 1 file card, 1 gasoline blow torch, 1 gasoline fire pot, 1 gauge plate for taps and drills, 1 gear-cutting attachment, 6 hangers for main shaft, 1 soft hammer, 1 carpenters' hammer, 3 knurling tools, 1 knurling handle, 1 12-6-foot Barnes lathe, 22 gear wheels, 1 countershaft, 1 steady rest, 1 follower rest, 1 pad center, 1 crotch center, 1 square center, 1 set of lathe centers, 1 12-inch face plate, 1 driving plate, 1 Porter lathe 18-inch by 14-foot, 17-gear wheels, 1 18-inch face plate, 1 9-inch driving plate, 1 20-inch double ended mandrel for buffer, 1 9-inch double ended mandrel for grinders, 2 spring mandrels, 1 5-horse power G. E. motor, 2 fuse blocks, 2 switches, 1 starting rheostat, 2 7-16 by 4-inch milling tools, 10 milling tools assorted, 3 milling tools for gear

cutters, 2 4-inch metal saws, 1 2½-inch metal saw, 1 wooden mallet, 1 nail puller, 1 oil stone, 4 oil cans, 1 old man for ratchet, 1 16-inch jack plane, 10 parallels, 1 pair 8-inch side-cutting pliers, 1 diagonal cutting pliers, 15 wooden pulleys, 1 pair spring belt punch, 1 water pail, 1 1½-inch shell reamer, 1 1½-inch shell reamer, 1 25-32-inch shell reamer, 1 center reamer, 3 small taper reamers, 2 machinist's ratchet, 9-inch and 10-inch, 1 12-inch Smith and Mills shaper, 1 countershaft for shaper, 1 handsaw, 1 power hacksaw, 1 scroll saw, 1 hacksaw frame, 1 spoke shave, 30 feet 1 11-16-inch line shaft, 3 feet 1½-inch jack shaft, 3 feet 1½-inch countershaft, 1 pair tin snips, 1 8-inch surface plate, 1 6-inch surface plate, 6 solder irons, 1 suction straightener, 1 piston valve form for extra 1st-class, 1 piston valve form for 3rd-class, 5 tube expanders, 1 tee iron beam 15 feet long for carrier, 2 test pumps, 1 single and 1 double end, 12 lathe tools (Armstrong holders), 6 hand lathe tools, 20 pounds assorted lathe tools, 26 assorted taps, 1 set of three taps (⅝-inch 9 threads), 5 machine screw taps, 11 pipe taps, 4 odd taps for engines, 25 small machine taps, assorted sizes, 1 set of Wells Bros. taps and dies (11 sizes with stock and dies and tap wrenches), 2 4-inch bench vises, 1 5-inch bench vise, 1 adjustable wrench for taps, 1 18-inch monkey wrench, 2 15-inch monkey wrenches, 1 12-inch monkey wrench, 1 8-inch monkey wrench, 1 10-inch Wescott wrench, 1 single end tap wrench, 1 double end tap wrench, 20 open end wrenches, 9 socket wrenches, 1 8-inch Stillson wrench, 2 10-inch Stillson wrenches, 1 14-inch Stillson wrench, 10 pounds spring brass wire, 1½ rolls wire belt lacing, 1 set roller bearing for engine, 1 hose clamp, 1 chemical hose reel, 2 harness hangers, 1 12-inch gong, 3 2½-inch sample hose couplings, 2½ pounds nozzle twine, 7 Clapp & Jones discharge valves, 4 dozen Clapp & Jones suction valves, 10 pounds ⅝-inch Daniels packing, 2½ pounds ¼-inch H. P. packing, 5 pounds ⅜-inch H. P. packing, 3 pounds 5-16-inch H. P. packing, 2 pounds ⅝-inch Knowles H. P. packing, 5 pounds ¼-inch and ⅝-inch Honest John packing, 5 pounds ⅝-inch flax packing, 7 pounds ¼-inch flax packing, 5 pounds Rainbow packing, 4 pounds Para packing, 5 pounds scrap packing, 4 balls lamp wicking, ½ can graphite, 24 water glasses, 3 nozzle tips, 2 circulating nozzles, 5 small shut-off nozzles, 2 Babcock nozzles, 5 pounds 3-16x⅜-inch soft iron rivets, 8 pounds 3-16x½-inch soft iron rivets, 6 pounds 3-16x¾-inch soft iron rivets, 10 pounds 3-16x1½-inch soft iron rivets, 5 pounds ¼x2-inch soft iron rivets, 5 pounds 5-16x¼-inch soft iron rivets, 1½ pounds copper rivets, 1 box ¼x1-inch stove bolts, 9 bars 5-16 round iron, 9 bars ⅝-inch round iron, 15 bars 7-16-inch round iron, 8 bars ¼-inch round iron, 4 bars ⅝-inch round iron, 1 bar ¾-inch round iron, 1 bar ⅞-inch round iron, 1 bar 1½-inch round iron, 12 feet 1½-inch square

iron, 6 feet $1\frac{1}{2}$ -inch square iron, $\frac{1}{2}$ bundle 3-16x2-inch iron, $\frac{3}{4}$ bundle 1-inch band iron, 2 bars $\frac{1}{2}$ x1-inch iron, 1 bar $\frac{1}{2}$ x2-inch iron, 1 bar $\frac{1}{2}$ x4-inch iron, 6 feet $\frac{1}{2}$ x6-inch iron, 1 bar $\frac{3}{4}$ x3-inch iron, 24 line snaps, 60 split links, 24 Y for Berry hanger, 24 center pieces for Berry hanger, 12 drum springs for Berry hanger, 12 ceiling gear springs, 4 10-inch square file, 1 12-inch square file, 2 12-inch round files, 5 10-inch round files, 2 6-inch flat files, 12 10-inch hacksaw blades, 2 power hacksaw blades, 1 No. 14 Stillson wrench jaw, 4 pounds $\frac{5}{8}$ -inch washers, 6 pounds $\frac{1}{2}$ -inch washers, 3 pounds $\frac{3}{4}$ -inch washers, 3 pounds $\frac{1}{4}$ -inch washers, 3 engine fire lighters, 1 set extra first-class engine grates, 2 steady rests for the 18-inch lathe, 1 countershaft for the 10-inch lathe, 1 bar $\frac{1}{2}$ -inch hex tool steel, 18 nipples for Taylor boiler, 2 2-inch suction.

CARPENTERS' TOOLS.

1 adz, 1 hand axe, 10 chisels, 1 saw clamp, 3 caulking irons, 1 cold chisel, 1 pair dividers, 1 drawing-knife, 1 thumb gauge, 1 level, 1 mallet, 1 top maul, 1 oil can, 2 planes, 1 pair pliers, 1 plumb bob, 1 wood rasp, 1 reamer, 3 handsaws, 1 screwdriver, 1 saw set, 1 00 pass saw, 2 nail sets, 1 monkey wrench, 1 square, 1 hammer 1 tool chest.

PAINTERS' TOOLS.

1 set of awls, 1 set of hooks, 50 feet of $\frac{3}{4}$ -inch rope, 6 paint brushes, 3 varnish brushes, 1 paper brush, 1 sash tool, 2 pairs shears, 3 trestles, 1 paper board, 1 kalsomine brush, 25 pounds yellow ochre, 50 pounds white lead, 5 pounds white glue, 10 rolls of paper.

BLACKSMITH SHOP.

1 105-pound anvil, 1 58-pound anvil, 1 hot chisel, 1 cold chisel, 1 cold chisel with handle, 1 Champion portable forge, 1 2-inch flatter, 1 top and fuller, 1 hammer, 1 hardy, 1 set hammer, 6 hand punches, 1 $\frac{1}{2}$ -handle punch, 1 $\frac{3}{4}$ -handle punch, 1 10-pound sledge, 1 1-inch top and bottom swage, 1 $\frac{1}{2}$ -inch top and bottom swage, 1 $\frac{3}{4}$ -inch top and bottom swage, 1 $\frac{1}{2}$ -inch top and bottom swage, 1 $\frac{3}{4}$ -inch top and bottom swage, 1 $\frac{1}{2}$ -inch top and bottom swage, 1 2-foot square, 1 pair of tin snips, 6 pairs tongs, 1 $5\frac{1}{2}$ -inch blacksmith vise, $\frac{1}{2}$ package 2x3-16 tire bolts, 1 package 2x5-16 tire bolts, $\frac{1}{2}$ package 2x3-16 carriage bolts, 1 package 2x $\frac{1}{2}$ carriage bolts, $\frac{1}{2}$ package 2 $\frac{1}{2}$ x $\frac{1}{2}$ carriage bolts, $\frac{1}{2}$ package 2 $\frac{1}{2}$ x $\frac{1}{2}$ carriage bolts, $\frac{1}{2}$ package 3x $\frac{1}{2}$ carriage bolts, $\frac{1}{2}$ package 2 $\frac{1}{2}$ x5-16 carriage bolts, 1 package 2 $\frac{1}{2}$ x $\frac{3}{4}$ carriage bolts.

PLUMBING TOOLS.

One 2-inch bending spring, 1 $1\frac{1}{2}$ -inch bending spring, 1 $1\frac{1}{4}$ -inch

bending spring, 1 shave hook, 1 lead tap borer, 1 opening plug, 1 2-inch drift plug, 1 $1\frac{1}{2}$ -inch drift plug, 1 $1\frac{1}{4}$ -inch drift plug, 3 ticking wiping pads, 1 bottle plumber's paste, 1 inside caulking tool, 2 outside caulking tools, 1 short yarning chisel, 1 long yarning chisel, 1 cape chisel, 1 cold chisel, 1 metal pot, 1 ladle, 1 14-inch flat file, 1 asbestos joint runner, 1 $\frac{3}{4}$ twist bit, 1 bending iron, 1 pair snips, 1 hammer, 2 solder irons, 1 combination pliers, 1 No. 1 Saunders pipe vise, 1 tool chest.

PATTERNS.

One set patterns and core boxes for 2-inch Ashworth shut-off nozzle, 1 set patterns for 1-inch shut-off nozzles, 1 set patterns for reducers from 2 to 1-inch hose, 1 set patterns for increasers from 2 to 3 inches, 1 set patterns for slip joints, 1 set patterns for snap holders, 1 set patterns for heater, 3 sets patterns for engine take-off reducers, 3 to 3-inch and 3 to 2 inches, 1 set patterns for Babcock, 1 set patterns for fire lighters, 1 set patterns for second-class Metropolitan grates, 1 set patterns for extra first-class Metropolitan grates.

W. J. PHILLIPS,
Master Mechanic.

SUPPLY HOUSE.

One 6-inch alarm bell, 1 sawdust stove, 2 bedsteads, 2 mattresses, 1 blanket, 1 pillow, 1 scoop shovel, 1 hay fork, 1 stable broom, 1 dust pan and brush, 1 coal scuttle, 4 harness hangers, 50 feet $\frac{1}{2}$ -inch hose, 1 chamois skin, 1 sponge, 5 Berry horse collars, 2 body brushes, 2 currycombs, 2 dandruff brushes, $\frac{1}{2}$ -gal. neatsfoot oil, 1 wagon jack 1 crowbar.

INVENTORY OF HYDRANT DEPARTMENT.

One Weston chain block, 1 brace, 2 caulking hammers, 9 caulking tools, 3 chain wrenches, 4 cold chisels, 1 14-inch cold chisel 1 handle chisel, 3 horse rain covers, 1 hydrant cart, 3 gate keys, 2 $2\frac{1}{2}$ -inch hose expanders, 1 tool for extracting bottom brasses, 2 sets double harness, 1 set single harness, 2 hatchets, 2 machinists' hammers, 2 Johnson pumps, 1 leather splitter, 2 ladles, 1 lead pot, 1 lead heater, 1 level, 1 oil can, 3 picks, 3 shovels, 4 Stillson wrenches, 3 screwdrivers, 2 hand saws, 1 steam gauge, 1 8-pound sledge, 1 slice bar, 4 spanners, 1 hack saw frame, 1 trowel, 2 tool chests, 1 6-inch vise, 1 washer cutter, 1 wagon and wagon top, 1 fuel wagon, 2 gate wrenches, 1 combination wrench, 2 10-inch Wescott wrenches, 1 8-inch Westcott wrench, 4 socket wrenches, 1 14-inch monkey wrench, 1 crosscut saw, 2 sets hydrant patterns, 3 horses, 1 pattern for Ludlow hydrant top.

SUPPLIES ON HAND.

Six engine take-offs, 12 hose take-offs, 12 hose take-off caps, 12 engine take-off caps, 2 4-inch Waterous bottom brasses, 2 Port No. 2 bottom brasses, 26 Port No. 2 bleader bars, 6 Waterous bleader bars, 11 Ludlow bleeders complete, 6 Portland No. 2 stuffing boxes, 7 Portland No. 1 stuffing glands 5 Portland No. 2 stuffing box castings, 3 Ludlow hydrant tops, 2 Ludlow balance valve hydrant tops, 6 Waterous tops, 12 Portland No. 1 Independent stems and spanner nuts complete, 27 Portland No. 1 Independent stems, 6 Portland No. 2 Independent stems, 3 Portland No. 1 Independent valves, 37 Waterous spanner brasses, 19 Portland No. 2 spanner brasses, 1 Portland No. 1 spanner brass, 6 Ludlow spanner brasses, 44 Ludlow spanner nuts, 22 1½-inch brass nuts, 6 6-inch brass valve washers, 5 4-inch brass valve washers, 7 3½-inch brass washers, 6 2½-inch brass washers, 66 6-inch Ludlow rubber valves, 23 4-inch Ludlow rubber valves, 1 3-inch Ludlow rubber valves, 30 set Ludlow balance rubber valves, 4 Willamette rubber valves, 15 Waterous 4-inch rubber valves, 4 6-inch Waterous rubber valves, 2 Portland No. 1 6-inch rubber valves, 54 6-inch leather washers, 31 5-inch leather washers, 26 3½-inch expanding hose rings, 3 3-inch expanding hose rings, 20 2½-inch expanding hose rings, 12 2½-inch expanding hose rings, 5 1½-inch chemical hose rings, 24 3½-inch hose gaskets, 14 2½-inch hose gaskets, 11 1½-inch hose gaskets, 2 2½-inch Keystone hose jackets, 1 2½-inch Keystone hose jacket, 2 3½-inch Keystone hose jacket, 2 gate wheels, ¼ can Arctic cup grease, 2 studs for Post No. 1, 242 pounds of scrap brass, 1,400 pounds of scrap iron, 25 gallons white paint, 5 gallons black paint, 3 3½-inch brushes.

A. C. FEYERBEND, Hydrantman.

ANNUAL REPORT OF OFFICERS AND STAFF FOR THE YEAR ENDING DECEMBER 31, 1909.

Name.	Position.	Age.	Occupation.	Residence.
David Campbell.....	Chief Engineer.....	45	Chief Engineer F. D.....	446 Jefferson street.
M. I. Laudenklos.....	Asst. Chief Engineer.....	51	Lineman.....	361 Grand Av., North.
John E. Young.....	Battalion Chief.....	41	Marble cutter.....	135 14th street, North.
F. Dowell.....	Battalion Chief.....	39	Fireman.....	291 Eugene street.
Jay W. Stevens.....	Battalion Chief.....	27	Clerk.....	365 East Seventh street.
Chas. A. Savariau.....	Supt. F. A. Tel.....	42	Electrician.....	111 13th street, North.
W. J. Phillips.....	Master mechanic.....	32	Machinist.....	766 Ivon street.
Chas. Smith.....	Relief engineer.....	34	Engineer.....	835 East Flanders street.
Harry C. Wright.....	Switchboard operator.....	30	Structural iron worker.....	338 Grant street.
Harry Beck.....	Switchboard operator.....	25	Fireman.....	336 Glenn avenue.
Roy J. Abbott.....	Switchboard operator.....	25	Asbestos worker.....	308 College street.
W. J. Miller.....	Supply driver.....	30	Iron worker.....	745 East Ash street.
Earl Chase.....	Hydrantman.....	28	Boilermaker.....	393 Grand ave., South.
A. C. Fayerabend.....	Hydrantman.....	31	Machinist.....	411 Third street.
W. L. Trullinger.....	Lineman F. A. Tel.....	38	Lineman.....	687 Missouri avenue.
C. D. McConohy.....	Lineman F. A. Tel.....	31	Lineman.....	191 Fourteenth street.
J. L. Ambrose.....	Lineman F. A. Tel.....	34	Lineman.....	286 East Tenth street.
Wilton D. Olden.....	Instrument maker.....	36	Machinist.....	307 East 72d street.
A. L. Sutherland.....	Machinist.....	23	Machinist.....	692 Smith street.

Appointments—W. J. Phillips, master mechanic, July 16; A. C. Fayerabend, hydrantman, October 1; A. L. Sutherland, December 14.

Transfers—W. J. Miller from fire boat to supply department, October 19; R. D. Laisner to fire boat, October 19.

Resignation—Fred Wessinger, July 3.

ANNUAL REPORT OF FIREBOAT GEO. H. WILLIAMS, CO. NO. 1, FOR THE YEAR ENDING DECEMBER 31, 1909.

Location, Foot of East Washington Street.

Age	Name	Position.	Badge.	Occupation.	Residence.
200	Henry C. Johnson.....	Captain	32	Undertaker	87 East Eleventh street.
201	G. Montague	Lieutenant	31	Fireman	Fireboat.
202	W. H. Whitcomb	Master	58	Master	49 East Ninth street.
203	W. H. Sanford	Pilot	31	Pilot	1428 East Glisan street.
204	John W. Bellew	First engineer	47	Engineer	504 Hawthorne avenue.
205	William A. Burt	Second engineer	44	Engineer	432 Third street.
206	C. May	Act. Third engineer	36	Engineer	145 East 46th street.
207	H. S. Littlefield	Stoker	30	Fireman	Lents.
208	J. Junior	Stoker	28	Fireman	1285 East Salmon street.
210	Thos. A. Grenfell	Driver	28	Laborer	Fireboat.
211	R. D. Laisner	Hoseman	25	Laborer	32 East Third street.
212	M. V. Brown	Hoseman	29	Baker	148 1/2 East 33d street.
213	Robert E. Walter	Hoseman	29	Clerk	Fireboat.
214	Samuel H. Conrad	Hoseman	26	Butcher	629 Pettygrove street.
215	Henry M. Niles	Hoseman	25	Fireman	464 East Stark street.
216	W. T. Murphy	Hoseman	25	Plumber	231 East Sixth street.
217	Clarence H. Utley	Hoseman	27	Seaman	Fireboat.
218	R. B. Griffith	Hoseman	28	Street car man	Fireboat.
...	A. V. Johnston	Sub. hoseman			

No. of alarms responded to, 84; Bell, 60; telephone, 16; still, 8. Hours in service, 93:30.

ANNUAL REPORT OF FIREBOAT CO. NO. 1—Continued.

Appointments—William A. Burt, June 8, 1909; Clarence H. Utley, October 19, 1909.

Transfers—F. McCause to Engine 9, June 8; J. Junior from Engine 6 to fireboat, June 8; C. May from Engine 9 to fireboat, June 8; W. A. Groce to Hose 3, July 31; F. J. Lust, from Hose 3 to fireboat, July 31; Edwin S. Glace to Engine 11, October 18; W. J. Miller to supply house, October 19; A. W. Besgen to Engine 6, October 19; G. Montague from Engine 10 to fireboat, October 18; R. D. Laisner from supply house to fireboat, October 19; W. T. Murphy from Engine 6 to fireboat, October 19; R. B. Griffith from Hose 3 to fireboat, October 31; Frank R. Gouldstone to Engine 9, October 31.

Resignations—George Epperly, May 31, 1909.

Removals—F. J. Lust, October 8, 1909; Chas. Specknagle, December 11, 1909.

Inventory—Apparatus, 1 fireboat, 1 hose wagon; hose, 1,950 feet of 3 1/2-inch hose, 3,800 feet of 2 1/2-inch hose, 50 feet of 1 1/2-inch hose, 75 feet of 1-inch hose; horses, 2; harness, 1 double set.

ANNUAL REPORT OF ENGINE CO. NO. 1, FOR THE YEAR ENDING DECEMBER 31, 1909.
Location, 170 Fourth Street.

Badge.	Name.	Position.	Age.	Occupation.	Residence.
1	A. W. Dolson	Captain	42	Lather	170 Fourth street.
2	George Johnson	Lieutenant	27	Fireman	170 Fourth street.
3	E. C. Smith	Engineer	32	Engineer	170 Fourth street.
4	J. L. Mountain	Stoker	25	Fireman	170 Fourth street.
5	F. O. Knox	Driver	33	Teamster	170 Fourth street.
6	Charles Pierce	Hoseman	48	Lineman	170 Fourth street.
7	E. J. Charboneau	Hoseman	25	Embalmer	170 Fourth street.
8	R. W. Evans	Hoseman	28	Clerk	170 Fourth street.
9	E. G. Heath	Hoseman	36	Teamster	170 Fourth street.
10	John Lennox	Driver	30	Teamster	170 Fourth street.

No. of alarms responded to, 246. Bell, 147; telephone, 91; still, 8. Hours in service, 141:05.

Accidents at Fires—E. J. Charboneau, cut on hand by falling glass at fire at Front and Montgomery streets.

Inventory—Apparatus, 1 hose wagon, 1 extra first-class Metropolitan engine; hose, 1,965 feet of 2½-inch wax and gum-treated, 300 feet of 1½-inch wax and gum-treated; horses, 5; harness, 1 double set, 1 triple set.

ANNUAL REPORT OF ENGINE CO. NO. 3, FOR THE YEAR ENDING DECEMBER 31, 1909.
Location, 510 Washington Street.

Badge.	Name.	Position.	Age.	Occupation.	Residence.
30	James Dillane	Captain	34	Fireman	510 Washington street.
31	W. H. Maas	Lieutenant	29	Ratchet setter	510 Washington street.
32	G. W. Allen	Engineer	35	Engineer	300 Fifth street.
33	Ezra Johnson	Stoker	30	Engineer	13 N. Main St., Arleta.
34	J. S. Freeman	Driver	35	Teamster	510 Washington street.
35	Archie L. McMartin	Hoseman	27	Laborer	570 Mill street.
36	V. V. Eyston	Hoseman	30	Carpenter	510 Washington street.
37	George J. Felton	Hoseman	31	Fireman	510 Washington street.
38	Wm. Logan Robertson	Driver	25	Cook	510 Washington street.
39	Wade H. Preston	Hoseman	28	Druggist	510 Washington street.

No. of alarms responded to, 205: Bell, 160; telephone, 31; still, 14. Hours in service, 123:25.

Appointment—Ezra O. Johnson, stoker, May 4.

Transfers—P. J. Loomis to Engine 9, January 21; A. B. Cunningham from Engine 9, January 21; V. V. Eyston from Hose 4, February 1; Ira Fitzgerald to Chemical 1, February 1; A. B. Cunningham to Engine 14, April 26.

Inventory—Apparatus, 1 extra first size Metropolitan engine, 1 hose wagon; hose, 1,937 2½-inch Keystone, 300 feet 1½-inch Keystone; horses, 5; harness, 1 triple set and 1 double set.

ANNUAL REPORT OF ENGINE CO. NO. 4, FOR THE YEAR ENDING DECEMBER 31, 1909.
Location, 370 Fourth Street.

Badge	Name.	Position.	Age	Occupation.	Residence.
40	J. B. Simpson	Captain	43	Fireman	425 Fifth street.
41	John Buhite	Lieutenant	29	Fireman	370 Fourth street.
42	Charles L. Winters	Engineer	36	Engineer	383½ Fourth street.
46	Martin Metzler	Driver	28	Butcher	375½ Fourth street.
47	John Rickers	Driver	27	Hatter	370 Fourth street.
44	H. H. Beaumont	Stoker	45	Engineer	370 Fourth street.
45	Roy Geer	Hoseman	23	Teamster	311 Fifth street.
43	P. Brynjolfson	Hoseman	23	Fireman	370 Fourth street.

No. of alarms responded to, 196; Bell, 135; telephone, 61. Hours in service 109:35.

Appointment—A. L. Sherk, August 19, at 6 P. M.

Transfers—J. Rickers, from Truck Co. No. 2 to Engine No. 4, July 20, at 6 P. M.; G. Montague, from Engine No. 4 to Engine No. 10, July 31, at 6 P. M.; John Buhite, from Engine No. 10 to Engine No. 4, July 31, at 6 P. M.; A. L. Sherk, from Engine No. 4 to Engine No. 8, September 3, at 6 P. M.; P. Brynjolfson, from Engine No. 8 to Engine No. 4, September 3, at 6 P. M.; Roy Geer, from Truck No. 2 to Engine No. 4, October 31, at 6 P. M.; George Finney, from Engine No. 4 to Truck No. 2, October 31 at 6 P. M.

Inventory—1 first-class Metropolitan engine, 1 wagon; hose, 2,000 feet Victor jacket, 2½-inch, 300 feet 1½-inch Keystone; horses, 5; harness, 1 triple and 1 double set.

Resignation—T. Pederson, July 31, at 6 P. M.

Death—L. D. Truman, died July 2, at 11:17 P. M.

ANNUAL REPORT OF ENGINE CO. NO. 5, FOR THE YEAR ENDING DECEMBER 31, 1909.
Location, 811 Front Street.

Badge	Name.	Position.	Age	Occupation.	Residence.
50	L. N. Riley	Captain	45	Fireman	808 First street.
51	Thomas Clarence Turlay	Lieutenant	23	Teamster	788 Kelly street.
52	E. L. Thompson	Engineer	34	Engineer	812 Front street.
54	Fred Fox	Driver	47	Wood sawyer	234 Curry street.
53	Oral M. Poindexter	Driver	24	Laborer	811 Front street.
55	Chas. E. Dannals	Hoseman	25	Clerk	208 Whiteaker street.
56	Zacharia Zimmerman	Hoseman	32	Janitor	685 Water street.
57	Lail T. Kane	Stoker	21	Fireman	811 Front street.

No. of alarms responded to, 68; Bell, 53; telephone, 13; still 2. Hours in service, 15.

Appointments—Chas. E. McDannals, March 6; Lail T. Kane, May 8; Joseph M. Howe, June 30.

Transfers—John J. Touhey to Engine 10, January 23; J. W. Van Lom to Engine 14, February 1; R. I. Voss from Truck 2, February 1; Zacharia Zimmerman from Truck 3, July 20; Joseph M. Howe to Truck 2, July 20.

Removals—J. P. Bird, February 25; R. I. Voss, June 11.

Accidents at Fires—Driver Fred Fox, right foot cut with glass at fire at 274½ Baker street.

Inventory—Apparatus, 1 third-class Clapp & Jones engine, 1 hose wagon; hose, 1,900 feet 2½-inch, 300 feet 1½-inch; horses, 5; harness, 1 double set 1 triple set.

ANNUAL REPORT OF ENGINE CO. NO. 6, FOR THE YEAR ENDING DECEMBER 31, 1909.
Location, Twenty-second and Nicolai Streets.

Badge	Name.	Position.	Occupation.	Residence.
60	W. C. Slaughterbach.....	Captain	44 Planerman	393 Guild street.
61	J. M. Welsh.....	Lieutenant	27 Laborer	Engine house.
62	Warren F. Smith.....	Engineer	41 Engineer	729 Roosevelt street.
63	G. W. Beaumont.....	Stoker	28 Stoker	694 Upshur street.
64	A. W. Besgen.....	Hoseman	26 Carpenter	Engine house.
65	Joe Wynett	Hoseman	26 Carman	Engine house.
66	Herbert A. Miller	Hoseman	28 Teamster	694 Wilson street.
67	Sigurd Olson	Hoseman	29 Teamster	485 North 21st street.

No. of alarms responded to, 61: Bell, 52; telephone, 8; still, 1. Hours in service, 75:15.

Appointments—J. M. Welsh, lieutenant, February 1; G. W. Beaumont, stoker, December 21.

Transfers—J. M. Welsh, hoseman, from Hose 1, February 1; B. D. Hutchings, hoseman, Hose 6, February 1; John Junor, stoker, to fireboat, June 8; W. T. Murphy, hoseman, to fireboat, October 19; A. W. Besgen, from fireboat, October 19; Lewis G. Simon, hoseman, to Hose 6, November 24; Joe Wynett, truckman, from Truck 3, November 24.

ANNUAL REPORT OF ENGINE CO. NO. 7, FOR THE YEAR ENDING DECEMBER 31, 1909.

Badge	Name.	Position.	Occupation.	Residence.
70	E. J. Wolcott	Captain	34 Horseshoer	305 Fifth street.
71	J. G. Wigginton	Lieutenant	27 Clerk	40 East Third street.
72	T. C. Smith	Engineer	58 Engineer	366 East Glisan street.
73	D. L. Penney.....	Engine driver	38 Teamster	26 East Third street.
74	E. J. Craig.....	Wagon driver	26 Teamster	86½ Union avenue.
75	C. A. Sylvester.....	Hoseman	27 Teamster	40 East Third street.
76	Thomas H. Cuniff.....	Hoseman	30 Teamster	40 East Third street.
77	D. C. Millican.....	Stoker	29 Engineer	392½ East Burnside street.

No. of alarms responded to, 74: Bell, 38; telephone, 31; still, 5. Hours in service, 54:28.

Appointments—J. G. Wigginton, Lieutenant, February 1, 6 P. M.

Transfers—James W. Taylor to Truck No. 1, February 1, 6 P. M.; E. J. Craig from Truck No. 1, February 1, 6 P. M.; James Monto to Engine No. 11, October 6, 6 P. M.; C. A. Sylvester from Engine No. 11, October 6, 6 P. M.; F. J. McFarland to Truck No. 4, October 31, 6 P. M.; Thomas H. Cuniff from Truck No. 4, October 31, 6 P. M.

Inventory—Apparatus, one second-class Metropolitan engine, one hose wagon; 1,000 feet 2½-inch Keystone, 1,000 feet 2½-inch paragon, 300 feet 1½-inch Keystone; horses, 5; harness, one double set, one triple st.

ANNUAL REPORT OF ENGINE CO. NO. 8, FOR THE YEAR ENDING DECEMBER 31, 1909.
Location, 287 Russell Street.

Badge	Name.	Position.	Occupation.	Residence.
80	F. B. May	Captain	44 Painter	286 Stanton street.
81	S. E. Moeser	Lieutenant	35 Upholsterer	500 East Eighth, North.
82	J. H. Campbell	Engineer	38 Engineer	1042 Williams avenue.
87	R. E. McMichael	Stoker	33 Inspector	1188 Denver avenue.
83	W. E. Jaques	Engine driver	30 Teamster	287 Russell street.
84	O. H. Bray	Hose driver	27 Teamster	340 Knott street.
86	C. E. Hewston	Hoseman	26 Fireman	287 Russell street.
85	A. L. Sherk	Hoseman	24 Basket maker	721 Kerby street.

No. of alarms responded to, 65; Bell, 24; telephone, 32; still, 9. Hours in service, 64:58.

Appointments—C. E. Hewston, May 6, 7 A. M.; P. Brynjolfson, May 22, 6 P. M.

Transfers—J. Rickers to Engine 14, January 19, 7 A. M.; P. Brynjolfson to Engine 4, September 3, 6 P. M.; W. E. Jaques from Engine 14 to Engine 8, January 19, 7 A. M.; A. L. Sherk from Engine 4 to Engine 8, September 3, 6 P. M.; J. McKillop to Truck 5, February 1, 6 P. M.; S. E. Moser, from Engine 9 to Engine 8, February 1, 6 P. M.

Resignations—W. S. Walling, May 5, 6 P. M.

Removal—C. B. Pemberton, February 22, 3:55 A. M.

Inventory—Apparatus, one third-class Clapp Jones engine. Fox boiler, new August 22, 1905; one hose wagon; hose, 1,800 feet 2½-inch, 300 feet 1½-inch; horses, 4; harness, 2 double sets.

ANNUAL REPORT OF ENGINE CO. NO. 8, FOR THE YEAR ENDING DECEMBER 31, 1909.
Location, 162 East Thirty-fifth Street.

Badge	Name.	Position.	Occupation.	Residence.
90	William Hansen	Captain	46 Carpenter	164 East 35th street.
91	W. H. Case	Lieutenant	34 Painter	167 East 35th street.
93	P. J. Loomis	Engineer	35 Engineer	166 East 35th street.
95	F. McCause	Stoker	25 Fireman	162 East 35th street.
97	Norris C. Davis	Driver	34 Teamster	209 East 35th street.
115	J. A. Kline	Driver	29 Chauffeur	1109 East Alder street.
98	David A. Whitley	Hoseman	24 Teamster	162 East 35th street.
117	F. R. Gouldstone	Hoseman	22 Coxswain	1358 Hawthorne avenue.

No. of alarms responded to, 39; Bell, 11; telephone, 26; still, 2. Hours in service, 57:13.

Appointments—P. J. Loomis, engineer, January 21, 1 P. M.

Transfers—W. S. Nash, from Hose No. 3, February 1; David A. Whitley, from Hose No. 3 to Engine No. 9, February 1, 6 P. M.; Silas E. Moeser, to Engine No. 8, February 1, 6 P. M.; John A. Schmidtke, to Hose No. 3, February 1, 6 P. M.; Clyde W. May, to fire boat, June 8; F. McCause, from fire boat, June 8; W. S. Nash, to Hose No. 3, October 31; F. R. Gouldstone, from fire boat, October 31.

Removal—R. L. Correll, engineer, January 4.

Inventory—Apparatus, 1 fifth-class Amoskeag engine, 1 combination hose wagon; hose, 1,750 feet 2½-inch, 150 feet ¾-inch chemical hose; horses, 4; harness, 2 double sets.

Inventory—Apparatus, 1 Clapp & Jones second-class engine, 1 hose wagon; hose, 2,000 feet 2½-inch waxed Keystone, 300 feet 1½-inch Victor cotton; horses, 5; harness, 1 triple set, 1 double set.

ANNUAL REPORT OF ENGINE CO. NO. 10 FOR YEAR ENDING DECEMBER 31, 1909.
Location, 1250 Macadam Street.

Badge	Name.	Position.	Age.	Occupation.	Residence.
110	R. J. Williams.....	Captain	30	Gasmaker	1001½ Corbett street.
111	M. R. Stark.....	Lieutenant	26	Gasoline engineer.....	1250 Macadam street.
112	A. J. Hanser.....	Engineer	32	Engineer	1296 Hood street.
113	John Feretti	Driver, engine	32	Teamster	1250 Macadam street.
114	J. C. Drain.....	Driver, hose	30	Teamster	156 Boundary avenue.
115	John Metzler.....	Hoseman	25	Laborer	1266 Hood street.
116	J. L. R. Single.....	Hoseman	26	Millwright	1285 Corbett street.
117	F. W. Short.....	Stoker	26	Engineer	1008 Kelly street.

No. of alarms responded to, 32: Bell, 18; telephone, 7; still, 7. Hours in service, 40:40.
 Appointments—C. A. Graff, appointed stoker of Engine No. 10, May 10, 6 P. M., 1909; F. W. Short, appointed stoker of Engine No. 10, December 21, 6 P. M., 1909.
 Transfers—John J. Touhey, transferred to Engine No. 10 from Engine No. 5, January 22, 6 P. M., 1909; M. R. Hanson, transferred to Hose 2 from Engine No. 10, February 1, 6 P. M., 1909; John Buhite, transferred to Engine 10 from Hose 2, February 1, 6 P. M., 1909; John Buhite, transferred to Engine 4 from Engine 10, July 1, 6 P. M., 1909; G. Montague, transferred to Engine 10 from Engine 4, July 31, 6 P. M., 1909; G. Montague, transferred to fire boat from Engine 10, October 18, 6 P. M., 1909; M. R. Stark, transferred to Engine 10 from Engine 15, October 18, 6 P. M., 1909.
 Resignations—John J. Touhey, resigned January 26, 7:30 P. M., 1909.
 Removal—C. A. Graff, removed from service December 6, 6 P. M., 1909.
 Accidents at fires—G. Montague, Engine No. 10, hand cut August 17, 4:30 P. M., at No. 161 Thompson street.
 Inventory—Apparatus, one fourth-class Waterous engine, one hose wagon; hose, 1,950 feet 2½-inch cotton hose, 300 feet 1½-inch cotton; horses, five; harness, two double sets.

ANNUAL REPORT OF ENGINE CO. NO. 11 FOR YEAR ENDING DECEMBER 31, 1909.
Location, East 12th and Powell Streets; No. 545 Powell Street.

Badge	Name.	Position.	Age.	Occupation.	Residence.
220	Everett V. Borden.....	Captain	38	Painter	381 East Eighth street.
221	Edwin S. Glace.....	Lieutenant	24	Teamster	545 Powell street.
222	Jesse Tharp	Engineer	37	Engineer	549 Powell street.
223	Augustus B. Crow.....	Stoker	37	Stoker	549 Gideon street.
224	Victor Neal	Hoseman	29	Carpenter	604 Milwaukie street.
225	Chas. W. Timmerman.....	Hoseman	25	Seaman	381½ East Morrison street.
226	James Monto	Driver, engine	27	Fireman	545 Powell street.
227	Geo. W. Weygandt.....	Driver, hose	34	Electrician	708 East 21st street.

No. of alarms responded to, 23: Bell, 7; telephone, 14; still, 2. Hours in service, 15:24.
 Appointments—E. L. Nelson to lieutenant Engine Co. No. 11, February 1, at 7:25 P. M.; E. S. Glace to lieutenant Engine Co. No. 11, October 18, 6 P. M.
 Transfers—Martin E. McCue to Hose Co. No. 3, February 1, at 6 P. M.; Lt. W. West from Truck Co. No. 4 to Engine Co. No. 11, August 31, 6 P. M.; Lt. E. L. Nelson to Hose Co. No. 3, August 31, at 6 P. M.; C. W. Sylvester to Engine Co. No. 7, 6 P. M., October 6; James Monto from Engine Co. No. 7 to Engine Co. No. 11, October 6 at 6 P. M.
 Resignations—Lt. W. West, September 31 at 6 P. M.

Inventory—Apparatus, 1 Metropolitan engine, third-class; 1 hose wagon; hose, 2,000 feet Keystone 2½-inch wax treated, 300 feet 1½-inch Bowers; horses, 4; harness, 2 double sets.

ANNUAL REPORT OF ENGINE CO. NO. 12, FOR THE YEAR ENDING DECEMBER 31, 1909.
Location, 63 East Twenty-eighth Street, North.

Badge.	Name.	Position	Age	Occupation.	Residence.
230	F. W. Roberts.....	Captain	33	Paper ruler	70 East 27th st., North.
231	Fred B. Day.....	Lieutenant	29	Car wiper	865 East Couch street.
232	Geo. C. Waldron.....	Engineer	30	Engineer	873 East Couch street.
233	C. C. Martin.....	Driver, engine	31	Teamster	847 East Davis street.
235	R. C. Fisher.....	Driver, wagon	34	Teamster	40 East 28th st., North.
239	Chester A. Groat.....	Hoseman	24	Clerk	1468 East Glisan street.
238	J. F. Casey.....	Hoseman	26	Molder	906 East Glisan street.
236	Dennis Hessian.....	Stoker	38	Engineer	63 East 28th st., North.

No. of alarms responded to, 21: Bell 7; telephone, 12; still, 2. Hours in service, 24:05.

Transfers—E. L. Nelson, to Engine 11, February 1; J. F. Casey, from Truck 5, February 1.

Inventory—Apparatus, 1 Metropolitan engine, third size, 1 hose wagon; hose, 2,000 feet waxed Key-stone 2½-inch, 300 feet Bowers Victor 1½-inch; horses, 4; harness, 2 double sets.

ANNUAL REPORT OF ENGINE CO. NO. 13, FOR THE YEAR ENDING DECEMBER 31, 1909.
Location, 261 Grand Avenue, North.

Badge.	Name.	Position	Age	Occupation.	Residence.
167	C. F. Neale.....	Captain	43	Carriagesmith	429 E. Burnside street.
168	A. W. Wefel.....	Lieutenant	29	Broommaker	389 Ross street.
173	W. H. Hembree.....	Engineer	45	Engineer	394 Grand ave., North.
174	Fred C. Schmidtke.....	Engine driver.....	25	Teamster	418 San Rafael street.
175	J. T. Howlett.....	Wagon driver.....	28	Steeple painter.....	698½ Union ave., North.
176	Harley Davis.....	Hoseman	24	Miner	261 Grand avenue.
177	S. B. Kelly.....	Hoseman	26	Clerk	261 Grand avenue.
178	Wm. R. Sears.....	Stoker	40	Machine man	424 Mildred avenue.

No. of alarms responded to, 85: Bell, 46; telephone, 36; still, 3. Hours in service, 65.

Appointments—Fred C. Schmidtke, February 1, as engine driver; S. B. Kelby, May 19, as hoseman.

Transfers—B. T. French from Engine No. 13 to Hose Co. No. 3, February 1.

Resignation—A. M. Kreps, May 2, as hoseman.

Inventory—Apparatus, one second-class Metropolitan engine, one combination hose wagon; hose, 2,000 feet 2½-inch, "Victor Jacket"; 300 feet 1½-inch, Bowers Rubber Co.; 200 feet 1-inch chemical; horses, five; harness, one double set, one triple set.

ANNUAL REPORT OF ENGINE CO. NO. 14, FOR THE YEAR ENDING DECEMBER 31, 1909.
Location, 1025 Union Avenue, North.

Badge	Name.	Position.	Occupation.	Residence.
103	W. C. Morrison.....	Captain	Teamster	1061 East Sixth, North.
102	J. W. Van Lum.....	Lieutenant	Fireman	1031 Grand ave., North.
111	A. B. Cunningham.....	Engineer	Engineer	390 Wygant street.
104	Charles Reznor.....	Engine driver.....	41 Teamster	1014 Union ave., North.
112	W. H. Benedict.....	Hose driver.....	23 Teamster	870 East Main street.
181	T. E. Bulfinch.....	Stoker	38 Laborer	Lents, Oregon.
165	W. A. Smith.....	Hoseman	31 School teacher.....	1019 Union ave., North.
182	Alex Stinson.....	Hoseman	43 Barber	512 Ainsworth avenue.

No. of alarms responded to, 42; Bell, 16; telephone, 22; still, 4. Hours in service, 45.

Appointments—T. E. Bulfinch, as stoker in Engine No. 14, October 7, 1909.

Transfers—W. E. Jaques, from Engine No. 14 to Engine No. 8, January 19; J. Rickers, to Engine No. 14 from Engine No. 8, January 19; J. Rickers, from Engine No. 14 to Truck No. 2, February 1; J. W. Van Lum, from Engine No. 5 to Engine No. 14, as lieutenant, February 1; A. B. Cunningham, from Engine No. 3 to Engine No. 14, as engineer, April 26.

Resignations—J. T. Patterson, April 2; Arthur Herser, July 11.

Inventory—Apparatus, one Metropolitan fire engine, one combination hose wagon; hose, 1,940 feet 24-inch cotton, 200 feet 1-inch chemical; horses, 4; harness, 2 double sets.

ANNUAL REPORT OF ENGINE CO. NO. 15, FOR THE YEAR ENDING DECEMBER 31, 1909.
Location, 590 Spring Street.

Badge	Name.	Position.	Occupation.	Residence.
122	W. R. Kerrigan.....	Captain	46 Stone mason.....	590 Spring street.
124	W. A. Wilson.....	Lieutenant	29 Engineer	590 Spring street.
126	C. O. Williams.....	Engineer	41 Engineer	590 Spring street.
127	H. B. Hatcher.....	Driver	37 Teamster	590 Spring street.
183	J. N. Jepson.....	Driver	31 Teamster	590 Spring street.
20	J. W. Taylor.....	Hoseman	22 Electrician	590 Spring street.
123	E. E. Lehman.....	Hoseman	21 Cigar maket.....	590 Spring street.
184	C. A. Crooks.....	Stoker	30 Engineer	590 Spring street.

No. of alarms responded to, 8; Bell, 1; telephone, 3; still, 4. Hours in service, 18.

Appointments—M. R. Stark, lieutenant, February 1; C. A. Crooks, stoker, May 17; E. E. Lehman, October 18; W. A. Wilson, lieutenant Engine 15, October 18, 1909.

Transfers—Charles J. Parmenter, hoseman, Engine 15 to hoseman Hose 2, February 1; Ed. McDon-ald, hoseman Engine 15 to ladderman Truck 1, April 23; M. R. Stark, hoseman, Hose 2, to lieutenant En-gine 15, February 1; M. R. Stark, from lieutenant Engine 15 to lieutenant Engine 10, October 18; J. W. Taylor, ladderman Truck 1 to hoseman Engine 15, April 23; W. A. Wilson, driver Engine 15 to lieutenant Engine 15, October 18, 1909.

Inventory—Apparatus, one third-class Metropolitan engine, 1 combination double 40 wagon com-plete; hose, 1,700 feet "Victor Jacket," 300 feet Keystone 24-inch, 230 feet 4-inch chemical; horses, 6; harness, 2 triple sets.

ANNUAL REPORT OF TRUCK CO. NO. 1 FOR YEAR ENDING DECEMBER 31, 1909.
Location, 168 Fourth Street.

Badge.	Name.	Position.	Occupation.	Residence.
100	Edward Grenfell.....	Captain	27 City fireman.....	168 Fourth street.
101	Guy H. Parmenter.....	Lieutenant	28 Millman	148 North 16th street.
102	Wm. F. Harrmann.....	Driver	38 Teamster	251 Fifth street.
105	A. H. Ulfers.....	Ladderman	24 Gasoline engineer.....	168 Fourth street.
107	Winfred H. Ring.....	Ladderman	28 Farmer	381 Chapman street.
103	Thomas Gavin.....	Ladderman	34 Wireman	168 Fourth street.
108	Holger Christoffersen.....	Ladderman	23 Laborer	168 Fourth street.
106	James McFarlane.....	Ladderman	25 Carpenter	168 Fourth street.
109	Gus V. Barks.....	Ladderman	30 Logger	168 Fourth street.
104	Edward McDonald.....	Ladderman	36 Collarmaker	168 Fourth street.

No. of alarms responded to, 216; Bell, 105; telephone, 101; still, 10. Hours in service, 116:54.

Transfers—W. A. West from ladderman, Truck 1, to lieutenant Truck 4; E. J. Craig, from ladderman Truck 1 to driver Engine 7; Gus V. Barks, from hoseman Hose 4 to ladderman Truck 1; J. W. Taylor, from hoseman Engine 7 to ladderman Truck 1, February 1, 6 P. M.; J. W. Taylor, from ladderman Truck 1 to hoseman Engine 15; Edward McDonald, from hoseman Engine 15 to ladderman Truck 1, April 23, 6 P. M.

Accidents at fires—Ladderman McDonald scalded arm July 9 in quarters; Ladderman Gavin face, and hands burned at telephone alarm, September 15.

Inventory—Apparatus, one Hayes truck, first size; hose, 24 feet 2½-inch; horses, 3; harness, one triple set.

ANNUAL REPORT OF TRUCK CO. NO. 2 FOR YEAR ENDING DECEMBER 31, 1909.
Location, 368 Fourth Street.

Badge.	Name.	Position.	Occupation.	Residence.
120	R. Camito.....	Captain	34 Clerk	366½ Fourth street.....
121	E. L. Johnson.....	Lieutenant	26 Teamster	368 Fourth street.....
125	W. J. Taggart.....	Driver	37 Teamster	368 Fourth street.....
127	P. W. Winkelbleck.....	Ladderman	35 Teamster	368 Fourth street.....
123	H. T. Yandle.....	Ladderman	24 Donkey engineer.....	286 Montgomery street..
126	R. G. Voss.....	Ladderman	34 Chainman	544 Second street.....
122	J. M. Howe.....	Ladderman	27 Deckhand	413 Skidmore street.....
124	Geo. Finney.....	Ladderman	27 Woodsman	302 College street.....

No. of alarms responded to, 173; Bell, 101; telephone, 72; still, 0. Hours in service, 89:50.

Transfers—R. I. Voss, to Engine Co. No. 5, February 1; J. Rickers, from Engine Co. No. 14, February 1; J. Rickers, to Engine Co. No. 4, July 20; J. M. Howe, from Engine Co. No. 5, July 20; Roy Gear, to Engine Co. No. 4, October 31; George Finney, from Engine Co. No. 4, October 31.

Inventory—Apparatus, 1 third-class Hayes truck; hose, 12 feet 2½-inch; horses, 3; harness, 1 3-horse hitch.

ANNUAL REPORT OF TRUCK CO. NO 3 FOR YEAR ENDING DECEMBER 31, 1909.

Location, 511 Glisan Street, between 14th and 15th.

Badge	Name.	Position.	Age.	Occupation.	Residence.
130	Z. S. Elliott.	Captain	44	Porter	126 N. 15th street.
131	R. E. Beery.	Lieutenant	25	R. R. Brakeman	85 N. 15th street.
132	J. Haines.	Driver	33	Shingler	669 Glisan street.
133	Robert H. Walsh.	Truckman	25	Teamster	581 Raleigh street.
134	Charles Haberland.	Truckman	36	Bridge carpenter	511 Glisan street.
135	Bernhard R. Siebels.	Truckman	33	Boilermaker	273 Union avenue.
136	Charley Abbott.	Truckman	25	Laborer	511 Glisan street.
137	Peter Jepson.	Truckman	32	Laborer	152 North 15th street.

No. of alarms responded to, 166: Bell, 98; telephone, 61; still, 7. Hours in service, 111:35.

Appointments—Lloyd R. Lambert, lieutenant, February 1; Zacharias Zimmerman, May 18; Bernhard R. Siebels, July 20; R. E. Beery, lieutenant, October 19.

Transfers—Zacharias Zimmerman, to Engine No. 5, July 20; Joe Wynett, from Truck 3; October 19; Guy Stabler, to Truck No. 5, October 19; Robert H. Walsh, from Hose No. 6 to Truck No. 3, November 24; Joe Wynett, from Truck No. 3 to Engine No. 6, November 24.

Resignations—Lloyd R. Lambert, May 11.

Inventory—Apparatus, 1 Champion chemical combination first size hook and ladder truck; hose, 230 feet 1-inch chemical rubber; horses, 3; harness, 1 triple set.

ANNUAL REPORT OF TRUCK CO. NO 4 FOR YEAR ENDING DECEMBER 31, 1909.

Location, 42 East Third.

Badge.	Name.	Position.	Age.	Occupation.	Residence.
140	Thomas J. Mountain.	Captain	55	Teamster	1095 East Morrison.
141	B. T. French.	Lieutenant	27	Fireman	283 East Washington.
142	G. A. Tennent.	Driver	32	Teamster	31 East Third.
143	R. Gee.	Truckman	47	Carpenter	13 East Seventh.
144	D. D. Stokes.	Truckman	27	Carpenter	14 Grand avenue, North.
145	Joe O. Denzel.	Truckman	26	Capitalist	34 East Third street.
146	Walt H. Knowlton.	Truckman	27	Music teacher	174 East Third street.
147	Frank J. McFarland.	Truckman	24	Powder expert	600 East 17th st., South.

No. of alarms responded to, 82: Bell, 43; telephone, 36; still, 3. Hours in service, 53:4.

Appointments—W. S. West, lieutenant, February 1, 6 P. M.

Transfers—Thomas H. Cunniff, to Engine No. 7, October 31, 6 P. M.; Frank L. Schlatter, to Hose No. 4, February 1, 6 P. M.; W. S. West, to Engine No. 11, September 31, 6 P. M.; B. T. French, from Hose No. 3, August 31, 6 P. M.; Frank J. McFarland, from Engine No. 7, October 31, 6 P. M.

Inventory—Apparatus, 1 third-class Hayes truck fully equipped; hose, 12 feet 24-inch; horses, 3; harness, 1 three-horse hitch.

ANNUAL REPORT OF TRUCK CO. NO 5 FOR YEAR ENDING DECEMBER 31, 1909.

Location, 287 Russell Street.

Badge.	Name.	Position.	Age.	Occupation.	Residence.
150	W. M. Smith.....	Captain	36	Painter	1031 Mallory avenue.
151	Guy Stabler.....	Lieutenant	26	Teamster	268 Ivy street.
152	T. J. Peterson.....	Driver	48	Teamster	313 Eugene street.
154	T. J. Coveney.....	Truckman	32	Longshoreman	643 Borthwick street.
153	J. H. Bateman.....	Truckman	36	Car repairer	293 Russell street.
157	Bernard Francois.....	Truckman	25	Machinist helper	267 1/2 Russell street.
156	W. A. Ezard.....	Truckman	26	Weaver	956 East 18th street.
155	J. McKillop.....	Truckman	25	Fireman	287 Russell street.

No. of alarms responded to, 76: Bell, 31; telephone, 36; still, 9. Hours in service, 61:10.

Transfers—J. F. Casey, from Truck Co. 5 to Engine Co. 12, February 1, 6 P. M.; J. McKillop, from Engine Co. 8 to Truck Co. 5, February 1, 6 P. M.; Guy Stabler, from Truck Co. 3 to Truck Co. 5, October 19, 6 P. M., as lieutenant; J. Wynett, from Truck Co. 5 to Truck Co. 3, October 19, 6 P. M.

Accidents at fires—Bernard Francois, broken leg at drill, August 12, 9:30 A. M.; J. McKillop, face and hand burnt, September 15.

Inventory—Apparatus, 1 fourth-class Hayes truck; horses, 2; harness, 1 double set.

ANNUAL REPORT OF HOSE CO. NO. ONE FOR YEAR ENDING DECEMBER 31, 1909.
Location, 69 Second Street.

Badge.	Name.	Position.	Age.	Occupation.	Residence.
160	W. D. Heath.....	Captain	41	Fireman	91 1/2 First street.
161	E. Tooley.....	Lieutenant	41	Teamster	69 Second street.
162	P. W. Howlett.....	Driver	26	Teamster	69 Second street.
163	G. G. Chute.....	Hoseman	28	Painter	69 Second street.
164	E. C. Lewis.....	Hoseman	31	Painter	69 Second street.
165	A. F. Howlett.....	Hoseman	30	Fireman	69 Second street.

No. of alarms responded to, 218: Bell, 113; telephone, 98; still, 7. Hours in service, 134:15.

Transfers—J. M. Welsh, hoseman, Hose No. 1 to lieutenant Engine No. 6, February 1, 6 P. M.;

G. G. Chute, hoseman Hose No. 6 to Hose No. 1, February 1, 6 P. M.

Accidents at fires—G. G. Chute, hoseman, leg hurt, ankle and wrist sprained responding to telephone alarm September 30.

Inventory—Apparatus, 1 4-wheeled hose carriage; hose, 1,950 feet 2 1/2-inch wax treated; horses, 2; harness, 1 set double.

ANNUAL REPORT OF HOSE CO. NO. 2 FOR YEAR ENDING DECEMBER 31, 1909.

Location, 273 First Street.

Badge.	Name.	Position.	Age.	Occupation.	Residence.
170	A. M. Crewse.....	Captain	27	Clerk	805 First street.
171	J. T. Brickley.....	Hoseman	24	School teacher	369 Eleventh street.
172	W. MacHugh.....	Driver	25	Teamster	273 First street.
173	C. J. Parmenter.....	Hoseman	24	Fireman	242 Clackamas street.
174	A. Miller.....	Hoseman	23	Teamster	273 First street.
175	M. R. Hanson.....	Hoseman	25	Teamster	999½ Corbett street.

No. of alarms responded to, 170: Bell, 91; telephone, 71; still, 8. Hours in service, 84:48.

Appointments—J. T. Brickley, appointed to Hose No. 2, December 18, 6 P. M.

Transfers—M. R. Stark, to Engine No. 15, February 1, 6 P. M.; J. S. Buhite, to Engine No. 10, February 1, 6 P. M.; C. J. Parmenter, from Engine No. 15 to Hose No. 2, February 1, 6 P. M.; M. R. Hanson, from Engine No. 10 to Hose No. 2, February 1, 6 P. M.; Lieutenant F. A. Zellner, transferred from Hose No. 2 to Chemical No. 2, December 18, 6 P. M.

Inventory—Apparatus, one 4-wheeled hose wagon, one chief's buggy; hose, 2,250 feet 2½-inch Keystone, 300 feet 1½-inch Keystone, 1,000 feet 2½-inch Victor Jacket; horses, 3; harness, one double set, one single set.

ANNUAL REPORT OF HOSE CO. NO. 3 FOR YEAR ENDING DECEMBER 31, 1909.

Location, 367 East Seventh Street.

Badge.	Name.	Position.	Age.	Occupation.	Residence.
180	H. M. Burt.....	Captain	47	Fireman	381 East Eighth street.
181	R. L. Nelsen.....	Lieutenant	24	Stage carpenter	601 East Twelfth street.
182	John A. Schmidtke.....	Driver	28	Teamster	427 East Grant street.
183	Edward L. Sinex.....	Hoseman	27	Seaman	363 East Seventh street.
184	W. A. Groce.....	Hoseman	24	Printer	304 East Ninth street.
185	Walter S. Nash.....	Hoseman	28	Grocer clerk	917 Belmont street.

No. of alarms responded to, 72: Bell, 35; telephone, 30; still, 7. Hours in service, 46:44.

Appointments—R. B. Griffith, June 1, 1909; B. T. French, lieutenant, February 1, 1909.

Transfers—D. A. Whitley, to Engine 9, February 1; W. S. Nash, to Engine 9, February 9; F. C. Schmidtke, to Engine 13, February 1; John A. Schmidtke, from Engine 9, February 1, to Hose 3; Martin C. McCue, from Engine 11, February 1, to Hose 3; F. J. Lust, to fire boat, July 31; W. A. Groce, from fire boat to Hose 3, July 31; B. T. French, lieutenant, to Truck 4, August 31; Lieutenant C. L. Nelsen, from Engine 11, August 31; R. B. Griffith, to fire boat, October 31; W. S. Nash, from Engine 9, October 31.

Resignations—Martin C. McCue, contrary to rule 3, May 11.

Inventory—Apparatus, 1 four-wheeled wagon; hose, 2,000 feet wax treated Keystone, 2½-inch cotton, 300 feet 1½-inch Bowers Rubber Co. cotton; horses, 2; harness, one set, double set.

ANNUAL REPORT OF HOSE CO. NO. 4 FOR YEAR ENDING DECEMBER 31, 1909.

Location, 1660 East Thirteenth Street, Sellwood.

Badge.	Name.	Position.	Age.	Occupation.	Residence.
21	George W. Stokes.....	Captain	43	Fireman	1680 East 13th street.
22	W. H. Green.....	Lieutenant	33	Salesman	1654 East 15th street.
23	Herman A. Bates.....	Driver	27	Sawyer	641 Tacoma avenue.
23	John Schneider.....	Hoseman	36	Tanner	1734 East 13th street.
26	Frank Schlatter.....	Hoseman	25	Mechanic	1654 East 13th street.
27	Frank Todhunter.....	Hoseman	27	Laborer	1660 East 13th street.

No. of alarms responded to, 14: Bell, 3; telephone, 10; still, 1. Hours in service, 10:30.

Appointments—Frank Todhunter, April 19, 1909.

Transfers—Gus. V. Barks, February 1, 1909, at 6 P. M., to Truck No. 1; Frank Schlatter, February 1, 1909, at 6 P. M., from Truck No. 4; Verne V. Eyston, February 1, 1909, at 6 P. M., to Engine No. 3; W. H. Green, from Chemical No. 1, at 6 P. M., February 1, promoted to lieutenant.

Resignations—J. T. Emert, resigned April 3, at 6 P. M.

Inventory—Apparatus, one Amoskeag hose reel; hose, 1,728 feet Keystone; horses, 97-111-112; harness, one set double harness, "Berry collars."

ANNUAL REPORT OF HOSE CO. NO. 6 FOR YEAR ENDING DECEMBER 31, 1909.

Location, 329 Twentieth Street North.

Badge.	Name.	Position.	Age.	Occupation.	Residence.
190	Harry A. Pollock.....	Captain	31	Brakeman	327 North 20th street.
191	W. C. Spickelmier.....	Lieutenant	30	Carpenter	329 North 20th street.
192	John W. Martin.....	Driver	30	Teamster	329 North 20th street.
193	Lewis G. Simon.....	Hoseman	29	Teamster	466 North 22d street.
194	H. Van Lom.....	Hoseman	31	Clerk	329 North 20th street.
195	Alfred J. Horn.....	Hoseman	22	Carpenter	329 North 20th street.

No. of alarms responded to, 85: Bell, 40; telephone, 43; still, 2. Hours in service, 81:00½.

Appointments—Alfred J. Horn, February 26, 1909; Robert H. Walsh, July 19, 1909.

Transfers—Bernard S. Hutchings, from Engine Co. No. 6 February 1, 1909; George G. Chute, to Hose Co. No. 1, February 1, 1909; Robert H. Walsh, to Truck Co. No. 3, November 24, 1909.

Resignations—Bernard D. Hutchings, February 22, 1909; Samuel L. Holcomb, June 30, 1909.

Accidents at fires—S. B. Kelly, sub., hand cut by falling glass March 10, 1909, at Box 96.

Inventory—Apparatus, 1 hose wagon, 1892; hose, 2,000 feet 2½-inch, 300 feet 1½-inch; horses, 2; harness, 1 double set.

ANNUAL REPORT OF CHEMICAL CO NO. 1 FOR YEAR ENDING DECEMBER 31, 1909.

Location, 69 Second Street.

Badge.	Name.	Position.	Age.	Occupation.	Residence.
11	H. E. Hawkins	Captain	29	Fireman	228 Hall street.
12	Ira Fitzgerald	Driver	24	Laborer	69 Second street.
13	William E. Shell	Pipeman	31	Engineer	69 Second street.

No. of alarms responded to, 193: Bell, 93; telephone, 91; still, 7. Hours in service, 117:00.

Transfers—W. H. Green, driver Chemical No. 1 to lieutenant of Hose No. 4, February 1, 6 P. M.; Ira Fitzgerald, hoseman Engine No. 3 to driver of Chemical No. 1, February 1, 6 P. M.

Accidents at fires—W. E. Shell, ankle sprained at still alarm, May 27, 1:21 A. M.

Inventory—Apparatus, 1 double 80-gallon Champion chemical; hose, 250 feet 1-inch rubber chemical hose; horses, 2; harness, one double set.

ANNUAL REPORT OF CHEMICAL CO. NO. 2, FOR YEAR ENDING DECEMBER 31, 1909.

Location, 273 First Street.

Badge.	Name.	Position.	Age.	Occupation.	Residence.
14	F. A. Zellner	Lieutenant	30	Tanner	246 Caruthers street.
15	John McLeod	Driver	39	Teamster	273 First street.
16	F. H. Rittenour	Pipeman	30	Clerk	223 Glenn avenue.

No. of alarms responded to, 173: Bell, 97; telephone, 68; still, 8. Hours in service, 80:35.

Transfers—Lieutenant F. A. Zellner, transferred from Hose No. 2 to Chemical No. 2, December 18, 6 P. M.

Resignations—Captain E. V. Hale, resigned December 15, 6 P. M.

Inventory—Apparatus, one Champion double 60-gallon chemical; hose, 250 feet 1-inch rubber; horses, 2; harness, one double set.

ANNUAL REPORT OF CHEMICAL CO. NO. 4 FOR YEAR ENDING DECEMBER 31, 1909.

Location, 859 Mississippi Avenue.

Badge.	Name.	Position.	Age.	Occupation.	Residence.
17	J. G. Stephens.....	Captain	42	Stage carpenter	862½ Albina avenue.
18	L. P. Brown.....	Driver	55	Teamster	146 Sumner street.
18	Thomas H. Cooper.....	Pipeman	27	Molder	902 Albina avenue.

No. of alarms responded to, 37: Bell, 22; telephone, 9; still, 6. Hours in service, 28:50.

Inventory—Apparatus, one Champion double 60-gallon chemical; hose, 200 feet 1-inch; horses, two; harness, one double set.

HYDRANTS.

Northern District.

Front and Morrison, northeast corner, 6-inch supply, Portland No. 2.
 Front and Alder, southeast corner, 6-inch supply, Portland No. 2.
 Front and Alder, northwest corner, 4-inch supply, Portland No. 2.
 Front and Washington, southeast corner, 6-inch supply, Portland No. 2.
 Front and Washington, northwest corner, 4-inch supply, Portland No. 2.
 Front and Stark, southwest corner, 4-inch supply, Portland No. 2.
 Front and Stark, northeast corner, 6-inch supply, Portland No. 2.
 Front and Oak, northwest corner, 4-inch supply, Portland No. 2.
 Front and Oak, southeast corner, 6-inch supply, Portland No. 2.
 Front and Pine, northwest corner, 6-inch supply, Portland No. 2.
 Front and Pine, northeast corner, 6-inch supply, Portland No. 2.
 Front and Ash, southeast corner, 6-inch supply, Portland No. 2.
 Front and Ash, northeast corner, 6-inch supply, Portland No. 2.
 Front and Vine, northeast corner, 6-inch supply, Portland No. 2.
 Front and Ankeny, southwest corner, 4-inch supply, Portland No. 2.
 Front and Burnside, southwest corner, 6-inch supply, Portland No. 1.
 Front and Burnside, northeast corner, 6-inch supply, Portland No. 1.
 Front and Couch, southwest corner, 4-inch supply, Waterous.
 Front and Couch, northwest corner, 6-inch supply, Portland No. 2.
 Front and Couch, northeast corner, 6-inch supply, Portland No. 2.
 Front and Davis, northwest corner, 6-inch supply, Portland No. 2.
 Front and Davis, northeast corner, 6-inch supply, Portland No. 1.
 Front and Everett, northwest corner, 6-inch supply, Portland No. 1.
 Front and Everett, southeast corner, 6-inch supply, Portland No. 1.
 Front and Flanders, southeast corner, 6-inch supply, Portland No. 2.
 Front and Flanders, northeast corner, 6-inch supply, Portland No. 2.
 Front, bet. Glisan and Hoyt, 3-inch supply, Waterous.
 Front and Hoyt, northwest corner, 3-inch supply, Waterous.
 Front and Irving, southwest corner, 6-inch supply, Ludlow.
 Front and Johnson, southwest corner, 3-inch supply, Waterous.
 Front and Kearney, southwest corner, 6-inch supply, Ludlow.
 Front, bet. Kearney and Lovejoy, 3-inch supply, Waterous.
 Front and Lovejoy, southwest corner, 6-inch supply, Ludlow.
 Front and Lovejoy streets, northwest corner, 6-inch supply, Ludlow.
 Front and Marshall, southwest corner, 6-inch supply, Ludlow.
 Front and Marshall, northwest corner, 6-inch supply, Ludlow.
 Front and Northrup, southwest corner, 6-inch supply, Ludlow.
 Front and Northrup, northwest corner, 6-inch supply, Ludlow.

HYDRANTS—Continued.

Front and Overton, southwest corner, 6-inch supply, Ludlow.
 Front and Pettygroye, southwest corner, 3-inch supply, Waterous.
 Front and Quimby, northwest corner, 4-inch supply, Portland No. 1.
 Front and Raleigh, southwest corner, 4-inch supply, Portland No. 1.
 Front and Savier, southwest corner, 4-inch supply, Portland No. 1.
 Front and Thurman, northwest corner, 4-inch supply, Portland No. 1.
 Front and Upshur, northwest corner, 6-inch supply, Portland No. 1.
 Front and Roosevelt, southwest corner, 6-inch supply, Portland No. 1.
 Front, bet. Roosevelt and Hull, 6-inch supply, Portland No. 2.
 Front and Hull, southwest corner, 6-inch supply, Portland No. 1.
 Front and Charles, northwest corner, 6-inch supply, Portland No. 1.
 Front and John, southwest corner, 6-inch supply, Portland No. 1.
 Front and Colton, southwest corner, 6-inch supply, Portland No. 1.
 Front and Rock, southwest corner, 6-inch supply, Portland No. 1.
 Front, north of Nicolai, 7 hydrants, 3-inch supply, Waterous.
 Front, north of Nicolai, 1 hydrant, 6-inch supply, Ludlow.
 First and Morrison, northeast corner, 4-inch supply, Waterous.
 First and Washington, northeast corner, 4-inch supply, Portland No. 2.
 First and Oak, northwest corner, 4-inch supply, Portland No. 1.
 First and Pine, northwest corner, 4-inch supply, Waterous.
 First and Vine, southeast corner, 6-inch supply, Phoenix.
 First and Ankeny, northwest corner, 6-inch supply, Portland No. 2.
 First and Burnside, southeast corner, 4-inch supply, Portland No. 2.
 First and Couch, southeast corner, 4-inch supply, Waterous.
 First and Everett, southwest corner, 6-inch supply, Portland No. 1.
 First and Everett, northwest corner, 6-inch supply, Portland No. 1.
 First and Flanders, northeast corner, 6-inch supply, Portland No. 2.
 First and Glisan, southwest corner, 6-inch supply, Portland No. 2.
 Second and Morrison, northwest corner, 6-inch supply, Portland No. 2.
 Second and Morrison, northeast corner, 6-inch supply, Portland No. 2.
 Second and Alder, southwest corner, 6-inch supply, Portland No. 2.
 Second and Alder, northwest corner, 6-inch supply, Portland No. 2.
 Second and Washington, southwest corner, 6-inch supply, Portland No. 2.
 Second and Washington, northwest corner, 6-inch supply, Portland No. 2.
 Second and Washington, northeast corner, 4-inch supply, Portland No. 2.
 Second and Stark, southwest corner, 6-inch supply, Portland No. 2.
 Second and Stark, northwest corner, 6-inch supply, Portland No. 2.
 Second and Oak, southwest corner, 6-inch supply, Portland No. 2.

HYDRANTS—Continued.

Second and Oak, northwest corner, 6-inch supply, Portland No. 2.
 Second and Pine, southwest corner, 6-inch supply, Portland No. 2.
 Second and Pine, northwest corner, 6-inch supply, Portland No. 2.
 Second and Ash, southwest corner, 4-inch supply, Waterous.
 Second and Ash, southwest corner, 6-inch supply, Portland No. 2.
 Second and Ash, northwest corner, 6-inch supply, Portland No. 2.
 Second, bet. Ash and Ankeny, east side, 4-inch supply, Waterous.
 Second and Ankeny, southwest corner, 6-inch supply, Portland No. 2.
 Second and Ankeny, northwest corner, 6-inch supply, Portland No. 2.
 Second and Burnside, southwest corner, 6-inch supply, Portland No. 2.
 Second and Burnside, northwest corner, 6-inch supply, Portland No. 2.
 Second and Couch, southwest corner, 6-inch supply, Portland No. 2.
 Second and Couch, northwest corner, 6-inch supply, Portland No. 2.
 Second and Davis, southwest corner, 3-inch supply, Willamette.
 Second and Davis, southwest corner, 6-inch supply, Portland No. 2.
 Second and Davis, northwest corner, 6-inch supply, Portland No. 2.
 Second and Everett, southwest corner, 6-inch supply, Portland No. 2.
 Second and Everett, northwest corner, 6-inch supply, Portland No. 2.
 Second and Flanders, southwest corner, 6-inch supply, Portland No. 2.
 Second and Flanders, northwest corner, 6-inch supply, Portland No. 2.
 Second and Glisan, southwest corner, 6-inch supply, Portland No. 2.
 Second and Glisan, southeast corner, 6-inch supply, Portland No. 2.
 Third and Alder, northwest corner, 3-inch supply, Willamette.
 Third and Washington, northeast corner, 6-inch supply, Portland No. 2.
 Third and Stark, southwest corner, 3-inch supply, Willamette.
 Third and Stark, northeast corner, 6-inch supply, Portland No. 2.
 Third and Oak, southwest corner, 6-inch supply, Ludlow.
 Third and Oak, southeast corner, 6-inch supply, Portland No. 1.
 Third and Pine, southwest corner, 3-inch supply, Willamette.
 Third and Ankeny, northwest corner, 3-inch supply, Waterous.
 Third and Burnside, southwest corner, 3-inch supply, Waterous.
 Third and Couch, southwest corner, 3-inch supply, Waterous.
 Third and Davis, southwest corner, 3-inch supply, Waterous.
 Third and Everett, southwest corner, 3-inch supply, Waterous.
 Third and Flanders, southwest corner, 3-inch supply, Waterous.
 Third and Glisan, northwest corner, 6-inch supply, Portland No. 2.
 Third and Hoyt, northwest corner, 6-inch supply, Phoenix.
 Fourth and Morrison, northeast corner, 4-inch supply, Waterous.
 Fourth and Alder, southeast corner, 4-inch supply, Waterous.
 Fourth and Washington, northeast corner, 4-inch supply, Waterous.
 Fourth and Stark, southwest corner, 6-inch supply, Portland No. 1.

HYDRANTS—Continued.

Fourth and Oak, southwest corner, 6-inch supply, Portland No. 1.
 Fourth and Oak, southeast corner, 6-inch supply, Ludlow.
 Fourth and Pine, southwest corner, 4-inch supply, Portland No. 1.
 Fourth and Pine, southeast corner, 6-inch supply, Portland No. 1.
 Fourth and Couch, northeast corner, 4-inch supply, Waterous.
 Fourth and Davis, southwest corner, 4-inch supply, Willamette.
 Fourth and Davis, southwest corner, 6-inch supply, Portland No. 1.
 Fourth and Everett, northeast corner, 4-inch supply, Portland No. 1.
 Fourth and Glisan, northeast corner, 4-inch supply, Waterous.
 Fourth and Glisan, northwest corner, 4-inch supply, Portland No. 1.
 Fourth and Hoyt, northeast corner, 6-inch supply, Phoenix.
 Fifth and Alder, northeast corner, 4-inch supply, Waterous.
 Fifth and Alder, northwest corner, 6-inch supply, Portland No. 1.
 Fifth and Washington, northeast corner, 4-inch supply, Waterous.
 Fifth and Washington, southwest corner, 6-in. supply, Portland No. 1.
 Fifth and Stark, northwest corner, 6-inch supply, Portland No. 1.
 Fifth and Oak, southwest corner, 6-inch supply, Portland No. 1.
 Fifth and Oak, northeast corner, 4-inch supply, Waterous.
 Fifth and Pine, southwest corner, 6-inch supply, Portland No. 1.
 Fifth and Ankeny, southwest corner, 6-inch supply, Portland No. 1.
 Fifth and Ankeny, southeast corner, 6-inch supply, Portland No. 1.
 Fifth and Burnside, southwest corner, 6-inch supply, Portland No. 1.
 Fifth and Couch, southwest corner, 6-inch supply, Portland No. 1.
 Fifth and Couch, southeast corner, 3-inch supply, Willamette.
 Fifth and Davis, southwest corner, 6-inch supply, Portland No. 1.
 Fifth and Everett, southeast corner, 4-inch supply, Portland No. 2.
 Fifth and Flanders, northwest corner, 4-inch supply, Portland No. 2.
 Fifth and Hoyt, southeast corner, 6-inch supply, Portland No. 2.
 Fifth and Hoyt, northwest corner, 6-inch supply, Corey.
 Sixth and Alder, northeast corner, 4-inch supply, Waterous.
 Sixth and Washington, southwest corner, 4-inch supply, Waterous.
 Sixth and Stark, southwest corner, 3-inch supply, Willamette.
 Sixth and Stark, southwest corner, 6-inch supply, Portland No. 2.
 Sixth and Oak, northwest corner, 6-inch supply, Portland No. 2.
 Sixth and Pine, southwest corner, 3-inch supply, Waterous.
 Sixth and Couch, northwest corner, 3-inch supply, Waterous.
 Sixth and Glisan, northwest corner, 3-inch supply, Willamette.
 Sixth and Hoyt, southwest corner, 6-inch supply, Corey.
 Sixth and Hoyt, northeast corner, 6-inch supply, Corey.
 Sixth and Irving, northwest corner, 3-inch supply, Waterous.
 Seventh and Alder, northwest corner, 6-inch supply, Portland No. 1.
 Seventh and Washington, northwest corner, 6-inch supply, Portland No. 1.

HYDRANTS—Continued.

Seventh and Washington, southwest corner, 6-inch supply, Portland No. 1.
 Seventh and Stark, northwest corner, 6-inch supply, Portland No. 1.
 Seventh and Oak, northwest corner, 6-inch supply, Portland No. 1.
 Seventh and Oak, northeast corner, 6-inch supply, Portland No. 2.
 Seventh and Ankeny, northwest corner, 6-inch supply, Portland No. 1.
 Seventh and Burnside, northwest corner, 6-in. supply, Portland No. 1.
 Seventh and Couch, northwest corner, 6-inch supply, Portland No. 1.
 Seventh and Davis, northwest corner, 6-inch supply, Portland No. 1.
 Seventh and Everett, northwest corner, 6-inch supply, Portland No. 1.
 Seventh and Flanders, northwest corner, 6-in. supply, Portland No. 1.
 Seventh and Flanders, northwest corner, 4-in. supply, Waterous.
 Seventh and Glisan, northwest corner, 6-inch supply, Portland No. 1.
 Seventh and Hoyt, southwest corner, 6-inch supply, Portland No. 1.
 Seventh and Hoyt, northwest corner, 6-inch supply, Corey.
 Seventh and Johnson, southeast corner, 3-inch supply, Waterous.
 Eighth and Hoyt, northeast corner, 6-inch supply, Corey.
 Park and Morrison, northeast corner, 6-inch supply, Portland No. 2.
 Park and Alder, northeast corner, 4-inch supply, Waterous.
 Park and Alder, southeast corner, 6-inch supply, Portland No. 2.
 Park and Washington, northeast corner, 6-inch supply, Portland No. 2.
 Park and Stark, southeast corner, 6-inch supply, Portland No. 2.
 Park and Stark, southwest corner, 6-inch supply, Portland No. 1.
 Park and Oak, northeast corner, 6-inch supply, Phoenix.
 Park and Ankeny, southwest corner, 6-inch supply, Phoenix.
 Park and Burnside, southwest corner, 6-inch supply, Portland No. 2.
 Park and Davis, southwest corner, 3-inch supply, Willamette.
 Park and Glisan, northeast corner, 4-inch supply, Portland No. 1.
 Park and Hoyt, northwest corner, 6-inch supply, Corey.
 West Park and Morrison, northwest corner, 4-inch supply, Waterous.
 West Park and Alder, northeast corner, 6-inch supply, Portland No. 1.
 West Park and Washington, southwest corner, 4-inch supply, Waterous.
 Ninth and Burnside, northeast corner, 6-inch supply, Portland No. 2.
 Ninth and Burnside, northwest corner, 6-inch supply, Corey.
 Ninth and Couch, southeast corner, 6-inch supply, Corey.
 Ninth and Couch, northwest corner, 6-inch supply, Corey.
 Ninth and Davis, northeast corner, 6-inch supply, Corey.
 Ninth and Everett, northeast corner, 6-inch supply, Corey.
 Ninth and Flanders, southeast corner, 6-inch supply, Corey.
 Ninth and Hoyt, northwest corner, 6-inch supply, Corey.

HYDRANTS—Continued.

Ninth and Hoyt, southeast corner, 6-inch supply, Corey.
 Tenth and Morrison, northwest corner, 4-inch supply, Waterous.
 Tenth and Alder, southwest corner, 6-inch supply, Ludlow.
 Tenth and Washington, northwest corner, 6-inch supply, Portland No. 1.
 Tenth and Stark, northwest corner, 6-inch supply, Portland No. 2.
 Tenth and Stark, southwest corner, 6-inch supply, Portland No. 2.
 Tenth and Burnside, southwest corner, 6-inch supply, Portland No. 2.
 Tenth and Davis, southwest corner, 6-inch supply, Portland No. 2.
 Tenth and Davis, northwest corner, 6-inch supply, Portland No. 2.
 Tenth and Everett, southwest corner, 6-inch supply, Portland No. 2.
 Tenth and Everett, northwest corner, 6-inch supply, Portland No. 2.
 Tenth and Flanders, southwest corner, 6-inch supply, Portland No. 2.
 Tenth and Flanders, northwest corner, 6-inch supply, Portland No. 2.
 Tenth and Glisan, southwest corner, 6-inch supply, Portland No. 2.
 Tenth and Glisan, northwest corner, 6-inch supply, Portland No. 2.
 Tenth and Hoyt, northwest corner, 6-inch supply, Phoenix.
 Tenth and Hoyt, southeast corner, 6-inch supply, Phoenix.
 Tenth and Irving, southwest corner, 6-inch supply, Portland No. 2.
 Tenth and Irving, northwest corner, 6-inch supply, Portland No. 2.
 Tenth and Johnson, southwest corner, 6-inch supply, Portland No. 2.
 Tenth and Johnson, northwest corner, 6-inch supply, Portland No. 2.
 Tenth and Kearney, southwest corner, 6-inch supply, Portland No. 2.
 Tenth and Kearney, northwest corner, 6-inch supply, Portland No. 2.
 Tenth and Lovejoy, southwest corner, 6-inch supply, Portland No. 2.
 Eleventh and Alder, northeast corner, 6-inch supply, Portland No. 2.
 Eleventh and Washington, southeast corner, 6-inch supply, Ludlow.
 Eleventh and Washington, northwest corner, 6-inch supply, Phoenix.
 Eleventh and Stark, southeast corner, 6-inch supply, Phoenix.
 Eleventh and Stark, northwest corner, 6-inch supply, Phoenix.
 Eleventh and Burnside, northwest corner, 6-in. supply, Portland No. 2.
 Eleventh and Couch, northeast corner, 6-inch supply, Phoenix.
 Eleventh and Couch, southeast corner, 6-inch supply, Phoenix.
 Eleventh and Davis, northeast corner, 6-inch supply, Phoenix.
 Eleventh and Davis, southwest corner, 6-inch supply, Portland No. 2.
 Eleventh and Everett, northeast corner, 6-inch supply, Phoenix.
 Eleventh and Flanders, northwest corner, 6-in. supply, Portland No. 1.
 Eleventh and Glisan, northeast corner, 6-inch supply, Phoenix.
 Eleventh and Hoyt, southwest corner, 4-inch supply, Waterous.
 Eleventh and Hoyt, northeast corner, 6-inch supply, Corey.
 Eleventh and Lovejoy, southeast corner, 6-inch supply, Ludlow.
 Twelfth and Morrison, northwest corner, 6-inch supply, Ludlow.

HYDRANTS—Continued.

Twelfth and Alder, northwest corner, 6-inch supply, Ludlow.
 Twelfth and Washington, northwest corner, 6-inch supply, Ludlow.
 Twelfth and Stark, northwest corner, 6-inch supply, Ludlow.
 Twelfth and Burnside, northeast corner, 6-inch supply, Portland No. 2.
 Twelfth and Couch, northeast corner, 6-inch supply, Phoenix.
 Twelfth and Davis, southeast corner, 3-inch supply, Willamette.
 Twelfth and Davis, southwest corner, 6-inch supply, Portland No. 2.
 Twelfth and Everett, southeast corner, 6-inch supply, Phoenix.
 Twelfth and Flanders, northwest corner, 6-inch supply, Phoenix.
 Twelfth and Glisan, southeast corner, 6-inch supply, Portland No. 2.
 Twelfth and Hoyt, southeast corner, 6-inch supply, Phoenix.
 Twelfth and Hoyt, northwest corner, 6-inch supply, Corey.
 Twelfth and Irving, southwest corner, 6-inch supply, Phoenix.
 Twelfth and Johnson, southwest corner, 6-inch supply, Phoenix.
 Twelfth and Kearney, northwest corner, 6-inch supply, Phoenix.
 Twelfth and Lovejoy, southeast corner, 6-inch supply, Ludlow.
 Twelfth and Marshall, northwest corner, 6-inch supply, Ludlow.
 Twelfth and Northrup, southwest corner, 4-inch supply, Waterous.
 Thirteenth and Morrison, northwest corner, 6-inch supply, Phoenix.
 Thirteenth and Alder, southeast corner, 6-inch supply, Phoenix.
 Thirteenth and Burnside, northwest corner, 6-inch supply, Portland No. 2.
 Thirteenth and Davis, southeast corner, 6-inch supply, Phoenix.
 Thirteenth and Davis, southwest corner, 6-inch supply, Phoenix.
 Thirteenth and Flanders, northwest corner, 6-inch supply, Portland No. 1.
 Thirteenth and Hoyt, southeast corner, 6-inch supply, Corey.
 Thirteenth and Hoyt, northwest corner, 6-inch supply, Corey.
 Thirteenth and Kearney, northeast corner, 6-inch supply, Ludlow.
 Thirteenth and Kearney, northwest corner, 6-inch supply, Ludlow.
 Thirteenth and Lovejoy, southeast corner, 6-inch supply, Ludlow.
 Thirteenth and Lovejoy, southwest corner, 6-inch supply, Ludlow.
 Thirteenth and Marshall, northeast corner, 6-inch supply, Ludlow.
 Thirteenth and Marshall, northwest corner, 6-inch supply, Ludlow.
 Fourteenth and Morrison, northwest corner, 6-inch supply, Phoenix.
 Fourteenth and Alder, southwest corner, 3-inch supply, Willamette.
 Fourteenth and Alder, northwest corner, 6-in. supply, Portland No. 2.
 Fourteenth and Washington, northwest corner, 3-inch supply, Willamette.
 Fourteenth and Washington, northwest corner, 6-inch supply, Portland No. 1.
 Fourteenth and Burnside, northwest corner, 6-inch supply, Portland No. 1.

HYDRANTS—Continued.

Fourteenth and Couch, southwest corner, 6-inch supply, Portland No. 1.
 Fourteenth and Davis, southwest corner, 4-inch supply, Waterous.
 Fourteenth and Everett, southwest corner, 6-inch supply, Portland No. 1.
 Fourteenth and Flanders, southwest corner, 6-inch supply, Portland No. 1.
 Fourteenth and Glisan, southeast corner, 6-inch supply, Ludlow.
 Fourteenth and Hoyt, southeast corner, 6-inch supply, Ludlow.
 Fourteenth and Hoyt, northeast corner, 6-inch supply, Corey.
 Fourteenth and Irving, southeast corner, 6-inch supply, Ludlow.
 Fourteenth and Johnson, southeast corner, 6-inch supply, Ludlow.
 Fourteenth and Johnson, southwest corner, 3-in. supply, Willamette.
 Fourteenth and Kearney, southeast corner, 6-inch supply, Ludlow.
 Fourteenth and Lovejoy, southeast corner, 6-inch supply, Ludlow.
 Fourteenth and Marshall, southeast corner, 6-inch supply, Ludlow.
 Fourteenth and Northrup, southeast corner, 6-inch supply, Ludlow.
 Fourteenth and Overton, southeast corner, 6-inch supply, Ludlow.
 Fourteenth and Overton, southwest corner, 3-inch supply, Willamette.
 Fourteenth and Pettygrove, southeast corner, 6-inch supply, Ludlow.
 Fourteenth and Quimby, southeast corner, 6-inch supply, Ludlow.
 Fourteenth and Quimby, southwest corner, 3-inch supply, Willamette.
 Fourteenth and Raleigh, southeast corner, 6-inch supply, Ludlow.
 Fourteenth and Savier, southeast corner, 6-in. supply, Portland No. 2.
 Fourteenth and Savier, southwest corner, 4-inch supply, Waterous.
 Fourteenth and Thurman, southwest corner, 6-inch supply, Portland No. 1.
 Lowndale and Alder, southeast corner, 6-inch supply, Phoenix.
 Fifteenth and Burnside, northeast corner, 6-inch supply, Portland No. 2.
 Fifteenth and Davis, southwest corner, 4-inch supply, Waterous.
 Fifteenth and Flanders, southeast corner, 3-inch supply, Willamette.
 Fifteenth and Glisan, northwest corner, 6-inch supply, Corey.
 Fifteenth and Kearney, northwest corner, 6-inch supply, Ludlow.
 Fifteenth and Marshall, northwest corner, 6-inch supply, Ludlow.
 Fifteenth and Savier, northwest corner, 6-inch supply, Ludlow.
 Fifteenth and Thurman, southwest corner, 3-inch supply, Waterous.
 Sixteenth and Washington, southeast corner, 6-inch supply, Portland No. 1.
 Sixteenth and Glisan, southeast corner, 6-inch supply, Corey.
 Sixteenth and Hoyt, northwest corner, 6-inch supply, Portland No. 2.
 Sixteenth and Kearney, southwest corner, 6-inch supply, Portland No. 2.

HYDRANTS—Continued.

Sixteenth and Marshall, northeast corner, 6-inch supply, Phoenix.
 Sixteenth and Northrup, southwest corner, 3-inch supply, Willamette.
 Sixteenth and Pettygrove, northwest corner, 3-in. supply, Willamette.
 Sixteenth and Savier, northwest corner, 4-inch supply, Waterous.
 Sixteenth and Thurman, southeast corner, 6-inch supply, Phoenix.
 Seventeenth and Washington, northwest corner, 6-inch supply, Portland No. 2.
 Seventeenth and Davis, southwest corner, 3-inch supply, Willamette.
 Seventeenth and Flanders, northwest corner, 6-inch supply, Portland No. 1.
 Seventeenth and Glisan, southwest corner, 6-inch supply, Corey.
 Seventeenth and Marshall, northwest corner, 3-in. supply, Willamette.
 Seventeenth and Savier, southwest corner, 6-inch supply, Phoenix.
 Seventeenth and Thurman, southwest corner, 6-inch supply, Phoenix.
 Seventeenth and Upshur, northwest corner, 6-inch supply, Portland No. 1.
 Eighteenth and Washington, northwest corner, 4-in supply, Waterous.
 Eighteenth and Everett, northwest corner, 4-inch supply, Waterous.
 Eighteenth and Glisan, southeast corner, 6-inch supply, Corey.
 Eighteenth and Irving, northwest corner, 4-inch supply, Waterous.
 Eighteenth and Kearney, northwest corner, 3-in. supply, Willamette.
 Eighteenth and Marshall, northeast corner, 6-inch supply, Phoenix.
 Eighteenth and Overton, northeast corner, 3-inch supply, Willamette.
 Eighteenth and Quimby, northeast corner, 3-inch supply, Willamette.
 Eighteenth and Savier, northeast corner, 3-inch supply, Willamette.
 Eighteenth and Savier, southwest corner, 6-inch supply, Phoenix.
 Eighteenth and Thurman, southwest corner, 6-inch supply, Phoenix.
 Eighteenth and Upshur, northwest corner, 6-inch supply, Phoenix.
 Nineteenth and Washington, northeast corner, 3-inch supply, Willamette.
 Nineteenth and Davis, southeast corner, 3-inch supply, Willamette.
 Nineteenth and Everett, southwest corner, 6-inch supply, Phoenix.
 Nineteenth and Flanders, southeast corner, 4-inch supply, Waterous.
 Nineteenth and Glisan, southwest corner, 6-inch supply, Corey.
 Nineteenth and Hoyt, southeast corner, 6-inch supply, Portland No. 2.
 Nineteenth and Johnson, southeast corner, 3-inch supply, Willamette.
 Nineteenth and Lovejoy, southeast corner, 3-inch supply, Willamette.
 Nineteenth and Marshall, northeast corner, 6-inch supply, Phoenix.
 Nineteenth and Northrup, southeast corner, 4-inch supply, Waterous.
 Nineteenth and Pettygrove, southeast corner, 4-in. supply, Waterous.
 Nineteenth and Raleigh, southeast corner, 3-inch supply, Willamette.
 Nineteenth and Savier, southwest corner, 6-inch supply, Phoenix.

HYDRANTS—Continued.

Nineteenth and Thurman, northwest corner, 3-in. supply, Willamette.
 Nineteenth and Upshur, southeast corner, 3-inch supply, Willamette.
 Nineteenth and Vaughn, northeast corner, 3-inch supply, Willamette.
 Nineteenth and Sherlock, southeast corner, 3-inch supply, Willamette.
 Trinity Place and Couch, northeast corner, 6-inch supply, Phoenix.
 Trinity Place and Couch, southwest corner, 6-inch supply, Phoenix.
 Nineteenth and Half and Glisan, south side corner, 6-inch supply, Corey.
 Nineteenth and Half and Savier, south side corner, 6-inch supply, Phoenix.
 Nineteenth and Half and Upshur, north side corner, 6-inch supply, Phoenix.
 Twentieth and Washington, northeast corner, 6-inch supply, Phoenix.
 Twentieth and Davis, northeast corner, 6-inch supply, Phoenix.
 Twentieth and Everett, southeast corner, 6-inch supply, Waterous.
 Twentieth and Flanders, northeast corner, 6-inch supply, Phoenix.
 Twentieth and Glisan, southwest corner, 6-inch supply, Corey.
 Twentieth and Irving, northeast corner, 6-inch supply, Phoenix.
 Twentieth and Johnson, northeast corner, 6-inch supply, Phoenix.
 Twentieth and Kearney, southeast corner, 6-inch supply, Phoenix.
 Twentieth and Marshall, southeast corner, 6-inch supply, Phoenix.
 Twentieth and Quimby, northwest corner, 3-inch supply, Willamette.
 Twentieth and Savier, southwest corner, 6-inch supply, Phoenix.
 Twentieth and Thurman, northwest corner, 3-in. supply, Willamette.
 Twentieth and Upshur, northeast corner, 6-inch supply, Phoenix.
 Twentieth and Roosevelt, northeast corner, 6-inch supply, Portland No. 2.
 Ella and Everett, southwest corner, 6-inch supply, Phoenix.
 Twenty and Half and Glisan, south side corner, 6-in. supply, Corey.
 Twenty and Half and Johnson, north side corner, 4-inch supply, Waterous.
 Twenty and Half and Upshur, north side, 6-inch supply, Phoenix.
 Twenty-first and Davis, southeast corner, 6-inch supply, Waterous.
 Twenty-first and Everett, southeast corner, 6-inch supply, Waterous.
 Twenty-first and Everett, northwest corner, 6-inch supply, Phoenix.
 Twenty-first and Flanders, southeast corner, 6-inch supply, Waterous.
 Twenty-first and Glisan, southwest corner, 6-inch supply, Corey.
 Twenty-first and Glisan, northeast corner, 6-inch supply, Phoenix.
 Twenty-first and Hoyt, northeast corner, 6-inch supply, Phoenix.
 Twenty-first and Hoyt, southeast corner, 3-inch supply, Willamette.
 Twenty-first and Irving, northeast corner, 6-inch supply, Phoenix.
 Twenty-first and Johnson, southeast corner, 3-in. supply, Willamette.

HYDRANTS—Continued.

Twenty-first and Johnson, northeast corner, 6-inch supply, Phoenix.
 Twenty-first and Kearney, southeast corner, 4-inch supply, Waterous.
 Twenty-first and Lovejoy, northeast corner, 6-inch supply, Phoenix.
 Twenty-first and Marshall, southeast corner, 4-in. supply, Waterous.
 Twenty-first and Northrup, northwest corner, 6-inch supply, Phoenix.
 Twenty-first and Pettygrove, southeast corner, 4-inch supply, Waterous.
 Twenty-first and Quimby, northeast corner, 3-in. supply, Willamette.
 Twenty-first and Savier, northwest corner, 3-inch supply, Willamette.
 Twenty-first and Thurman, northeast corner, 4-in. supply, Waterous.
 Twenty-first and Upshur, northeast corner, 6-inch supply, Phoenix.
 Twenty-first and Vaughn, southeast corner, 4-inch supply, Waterous.
 Twenty-first and Roosevelt, southeast corner, 4-in. supply, Waterous.
 Twenty-first and Reed, southeast corner, 4-inch supply, Waterous.
 King and Washington, northwest corner, 6-inch supply, Phoenix.
 Twenty-first and Half and Everett, south side corner, 6-inch supply, Phoenix.
 Twenty-first and Half and Glisan, north side corner, 6-inch supply, Corey.
 Twenty-first and Half and Upshur, north side corner, 6-inch supply, Phoenix.
 Twenty-second and Washington, northeast corner, 3-inch supply, Willamette.
 Twenty-second and Everett, southwest corner, 6-in. supply, Phoenix.
 Twenty-second and Glisan, northwest corner, 6-inch supply, Corey.
 Twenty-second and Irving, southeast corner, 4-in. supply, Waterous.
 Twenty-second and Lovejoy, northeast corner, 4-in. supply, Waterous.
 Twenty-second and Marshall, northwest corner, 6-in. supply, Phoenix.
 Twenty-second and Northrup, southeast corner, 3-inch supply, Willamette.
 Twenty-second and Pettygrove, southeast corner, 3-inch supply, Willamette.
 Twenty-second and Savier, southeast corner, 6-inch supply, Phoenix.
 Twenty-second and Thurman, northeast corner, 3-inch supply, Willamette.
 Twenty-second and Upshur, northeast corner, 3-inch supply, Willamette.
 Twenty-second and Vaughn, northwest corner, 4-in. supply, Waterous.
 Twenty-second and Wilson, northeast corner, 3-inch supply, Willamette.
 Twenty-second and York, northeast corner, 3-in. supply, Willamette.

HYDRANTS—Continued.

Twenty-second and Nicolai, southeast corner, 3-inch supply, Willamette.

Lucretia and Washington, northwest corner, 4-inch supply, Waterous.

Lucretia and Everett, southwest corner, 6-in. supply, Portland No. 1.

Twenty-second and Half and Glisan, north side corner, 6-inch supply, Corey.

Twenty-second and Half and Marshall, north side corner, 6-inch supply, Phoenix.

Fairbanks and Thurman, northeast corner, 6-inch supply, Phoenix.

Fairbanks and Nicolai, southeast corner, 6-inch supply, Portland No. 2.

Twenty-third and Washington, northwest corner, 3-inch supply, Willamette.

Twenty-third and Everett, southwest corner, 6-inch supply, Phoenix.

Twenty-third and Flanders, southeast corner, 3-inch supply, Willamette.

Twenty-third and Glisan, southeast corner, 3-in. supply, Willamette.

Twenty-third and Glisan, northeast corner, 6-inch supply, Corey.

Twenty-third and Hoyt, southeast corner, 3-inch supply, Willamette.

Twenty-third and Johnson, northeast corner, 4-in. supply, Waterous.

Twenty-third and Lovejoy, northeast corner, 3-inch supply, Willamette.

Twenty-third and Marshall, northeast corner, 6-inch supply, Phoenix.

Twenty-third and Northrup, northwest corner, 3-inch supply, Willamette.

Twenty-third and Quimby, northeast corner, 3-inch supply, Willamette.

Twenty-third and Savier, northwest corner, 3-in. supply, Willamette.

Twenty-third and Vaughn, northwest corner, 4-inch supply, Willamette.

Twenty-third and Roosevelt, northwest corner, 6-inch supply, Portland No. 1.

Twenty-third and Nicolai, southeast corner, 6-inch supply, Portland No. 2.

Twenty-third and Half and Marshall, north side corner, 6-inch supply, Phoenix.

Twenty-third and Half and Savier, north side corner, 6-inch supply, Phoenix.

Guild and Nicolai, southeast corner, 6-inch supply, Portland No. 2.

Twenty-fourth and Everett, southeast corner, 6-inch supply, Phoenix.

Twenty-fourth and Flanders, northeast corner, 3-inch supply, Willamette.

HYDRANTS—Continued.

Twenty-fourth and Glisan, northeast corner, 6-inch supply, Portland No. 2.

Twenty-fourth and Hoyt, northeast corner, 6-inch supply, Portland No. 2.

Twenty-fourth and Irving, northeast corner, 6-inch supply, Portland No. 2.

Twenty-fourth and Johnson, northeast corner, 3-inch supply, Willamette.

Twenty-fourth and Kearney, southwest corner, 3-inch supply, Waterous.

Twenty-fourth and Lovejoy, northeast corner, 3-inch supply, Waterous.

Twenty-fourth and Marshall, northeast corner, 6-in. supply, Phoenix.

Twenty-fourth and Northrup, northwest corner, 3-inch supply, Willamette.

Twenty-fourth and Overton, northwest corner, 6-inch supply, Portland No. 2.

Twenty-fourth and Pettygrove, northeast corner, 3-inch supply, Willamette.

Twenty-fourth and Savier, northeast corner, 3-in. supply, Willamette.

Twenty-fourth and Roosevelt, northeast corner, 6-inch supply, Portland No. 1.

Twenty-fourth and Nicolai, southeast corner, 4-inch supply, Willamette.

Twenty-fourth and Half and Washington, north side corner, 3-inch supply, Willamette.

Twenty-fourth and Half and Marshall, north side corner, 6-inch supply, Phoenix.

Twenty-fourth and Half and Vaughn, north side corner, 4-inch supply, Waterous.

St. Vincent's Hospital, Cornell and Glisan, 4-inch supply, Waterous.

St. Vincent's Hospital, Cornell and Irving, 6-inch supply, Portland No. 2.

Twenty-fifth and Johnson, northeast corner, 3-in. supply, Willamette.

Twenty-fifth and Kearney northeast corner, 4-inch supply, Waterous.

Twenty-fifth and Marshall, northeast corner, 6-inch supply, Willamette.

Twenty-fifth and Northrup, northeast corner, 3-inch supply, Willamette.

Twenty-fifth and Pettygrove, northeast corner, 6-inch supply, Portland No. 1.

Twenty-fifth and Savier, northeast corner, 3-inch supply, Willamette.

HYDRANTS—Continued.

Twenty-fifth and Thurman, northeast corner, 6-inch supply, Portland No. 1.
 Twenty-fifth and Upshur, northwest corner, 6-inch supply, Portland No. 1.
 Twenty-fifth and Vaughn, northeast corner, 4-inch supply, Waterous.
 Twenty-fifth and Wilson, northeast corner, 4-inch supply, Waterous.
 Twenty-fifth and Nicolai, southwest corner, 6-inch supply, Portland No. 1.
 Melinda avenue, 4-inch supply, 2 Waterous.
 Twenty-fifth and Half and Thurman, north side corner, 6-inch supply, Phoenix.
 Twenty-fifth and Half and Vaughn, north side corner, 4-inch supply, Waterous.
 Lake 200 feet north Nicolai, east side corner, 4-inch supply, Waterous.
 Lake 500 feet north Nicolai, east side corner, 3-inch supply, Willamette.
 Twenty-sixth and Marshall, northeast corner, 6-inch supply, Portland No. 2.
 Twenty-sixth and Northrup, northeast corner, 6-inch supply, Willamette.
 Twenty-sixth and Overton, southeast corner, 6-inch supply, Willamette.
 Twenty-sixth and Overton, northwest corner, 6-inch supply, Corey.
 Twenty-sixth and Savier, northeast corner, 4-inch supply, Waterous.
 Twenty-sixth and Thurman, northwest corner, 6-in. supply, Phoenix.
 Twenty-sixth and Upshur, northeast corner, 6-inch supply, Portland No. 1.
 Twenty-sixth and Vaughn, northeast corner, 4-in. supply, Waterous.
 Twenty-sixth and Nicolai, southeast corner, 6-inch supply, Portland No. 1.
 Twenty-sixth and Half and Overton, north side corner, 6-inch supply, Corey.
 Twenty-sixth and Half and Thurman, north side corner, 6-inch supply, Phoenix.
 Twenty-seventh and Overton, northeast corner, 6-inch supply, Corey.
 Twenty-seventh and Savier, northwest corner, 3-inch supply, Willamette.
 Twenty-seventh and Thurman, northeast corner, 3-inch supply, Willamette.
 Twenty-seventh and Thurman, northwest corner, 6-inch supply, Phoenix.

HYDRANTS—Continued.

Twenty-seventh and Upshur, northeast corner, 6-inch supply, Portland No. 1.
 Twenty-seventh and Half and Thurman, north side corner, 6-inch supply, Phoenix.
 Twenty-eighth and Thurman, northwest corner, 6-inch supply, Phoenix.
 Twenty-eighth and Half and Thurman, north side corner, 6-inch supply, Phoenix.
 Twenty-ninth and Raleigh, northwest corner, 4-in. supply, Waterous.
 Twenty-ninth and Thurman, northeast corner, 6-inch supply Portland No. 2.
 Thirtieth and Thurman, northeast corner, 6-inch supply, Phoenix.
 Thirty-first and Thurman, northwest corner, 6-inch supply, Phoenix.
 Thirty-second and Franklin, southwest corner, 4-inch supply, Waterous.
 Thirty-second and Thurman, northwest corner, 4-inch supply, Waterous.
 Thirty-second and Half and Thurman north side corner, 6-inch supply, Phoenix.
 Rugby and Thurman, northwest corner, 4-inch supply, Waterous.
 260 feet northwest of Rugby on Thurman, 6-inch supply, Phoenix.
 520 feet northwest of Rugby on Thurman, 6-inch supply, Phoenix.

Fair Grounds Hydrants.

Head Vaughn, near 26th, 6-inch supply, Portland No. 2.
 Manufacturers' Building, center, west side, 6-inch supply, Portland No. 2.
 Agriculture Building, north end, 6-inch supply, Portland No. 2.
 Agriculture Building, northwest end, 6-inch supply, Portland No. 2.
 Agriculture Building, southwest end, 6-inch supply, Waterous.
 Foreign Building, northeast end, 6-inch supply, Waterous.
 Foreign Building, center, east side, 6-inch supply, Waterous.
 Foreign Building, southeast end, 6-inch supply, Waterous.
 Foreign Building, southwest end, 6-inch supply, Portland No. 2.
 Foreign Building, center, west side, 6-inch supply, Waterous.
 Foreign Building, northwest end, 6-inch supply, Waterous.
 Washington Building, southeast end, 6-inch supply, Waterous.
 Oriental Building, center, west side, 6-inch supply, Waterous.
 Oriental Building, southwest end, 6-inch supply, Waterous.
 Wood Pipe Factory, 25th and York, private, 4-in. supply, 4 Waterous.
 Portland No. 1..... 75
 Ludlow No. 2..... 42

HYDRANTS—Continued.

Corey	35
Portland No. 2.....	118
Phoenix	89
Waterous	100
Willamette	71
Total	530

Southern District.

Macadam and Curry, southeast corner, 6-inch supply, Portland, No. 2.
 Macadam and Gaines, northwest corner, 3-inch supply, Willamette.
 Macadam and Lowell, northeast corner, 6-in. supply, Portland, No. 2.
 Macadam and Lowell, southeast corner, 6-in. supply, Portland, No. 2.
 Macadam and Bancroft, northeast corner, 6-in. supply, Portland No. 2.
 Macadam between Bancroft and Hamilton avenue, east side, 6-in. supply, Portland No. 2.
 Macadam and Bancroft, southeast corner, 3-in. supply, Willamette.
 Macadam and Hamilton avenue, northeast corner, 3-in. supply, Willamette.
 Macadam and Hamilton avenue, southeast corner, 6-in. supply, Portland No. 2.
 Macadam and Seymour, northeast corner, 6-in. supply, Portland No. 2.
 Macadam and Admiral, northeast corner, 3-in. supply, Willamette.
 Macadam, bet. Terwilliger and Lee, east side, 3-in. supply, Willamette.
 Macadam, bet. Terwilliger and Lee, east side, 6-in. supply, Portland No. 2.
 Macadam and Boundary, northeast cor., 6-in. supply, Portland No. 1.
 Macadam, bet. Sweeney and Boundary, east side, 6-in. supply, Portland No. 1.
 Macadam and Sweeney, southeast corner, 6-in. supply, Portland No. 2.
 Macadam, bet. Flower and Sweeney, east side, 3-in. supply, Willamette.
 Macadam bet. Sweeney and Flower, east side, 6-in. supply, Portland No. 2.
 Macadam and Flower, southwest corner, 6-inch supply, Portland No. 2.
 Macadam and Thompson, northeast corner, 6-inch supply, Willamette.
 Macadam and Thompson, northwest corner, 6-inch supply, Portland No. 2.
 Macadam and Carolina, northeast corner, 3-inch supply, Willamette.
 Macadam, bet. Thompson and Carolina, west side, 6-inch supply, Portland No. 2.
 Macadam and Dakota, southeast corner, 6-inch supply, Portland No. 2.

HYDRANTS—Continued.

Macadam, bet. Nebraska and Idaho, east side, 3-inch supply, Willamette.
 Macadam, bet. Florida and Vermont, east side, 3-inch supply, Willamette.
 Macadam, bet. California and Texas, east side, 3-inch supply, Willamette.
 Macadam, bet. Nevada and Miles, east side, 3-inch supply, Willamette.
 Macadam and Miles, southeast corner, 3-inch supply, Willamette.
 Macadam, bet. Miles and Cemetery, east side, 3-inch supply, Willamette.
 Macadam, bet. Miles and Cemetery, east side, 3-inch supply, Willamette.
 Macadam and Tannery, east side, 4-inch supply, Waterous.
 Florida, bet. Macadam and Virginia, south side, 4-in. supply, Waterous.
 Hamilton and Third, northeast corner, 4-inch supply, Waterous.
 Hood and Lincoln, northeast corner, 6-inch supply, Portland No. 1.
 Hood and Caruthers, southwest corner, 3-inch supply, Willamette.
 Hood and Sheridan, southeast corner, 6-inch supply, Portland No. 2.
 Hood and Baker, northeast corner, 3-inch supply, Waterous.
 Hood and Meade, southwest corner, 3-inch supply, Waterous.
 Hood and Grover, southeast corner, 3-inch supply, Willamette.
 Hood and Whitaker, southeast corner 3-inch supply, Willamette.
 Hood and Pennoyer, southeast corner, 3-inch supply, Willamette.
 Kelly and Gaines, southeast corner, 4-inch supply, Waterous.
 Kelly and Lane, southeast corner, 4-inch supply, Waterous.
 Kelly and Thomas, southeast corner, 4-inch supply, Waterous.
 Kelly and Bancroft, southeast corner, 4-inch supply, Willamette.
 Kelly and Bancroft, northwest corner, 4-inch supply, Willamette.
 Kelly and Hamilton, southeast corner, 6-inch supply, Portland No. 1.
 Corbett and Porter, northwest corner, 3-inch supply, Willamette.
 Corbett and Gibbs, southeast corner, 3-inch supply, Willamette.
 Corbett and Curry, southeast corner, 3-inch supply, Willamette.
 Corbett and Gaines, southeast corner, 3-inch supply, Willamette.
 Corbett and Abernethy, southeast corner, 3-inch supply, Willamette.
 Corbett, bet. Bancroft and Lowell, east side, 3-in. supply, Willamette.
 Corbett and Bancroft, southeast corner, 6-inch supply, Portland No. 1.
 Corbett and Hamilton, southeast corner, 3-inch supply, Willamette.
 Virginia and Nebraska, southeast corner, 6-inch supply, Portland No. 1.
 Nebraska, bet. Virginia and Corbett, south side, 6-inch supply, Portland No. 1.
 Idaho, bet. Virginia and Corbett, north side, 4-inch supply, Waterous.
 Corbett and Nebraska, southeast corner, 6-inch supply Portland No. 1.

HYDRANTS—Continued.

Water and Columbia, southwest corner, 3-inch supply, Willamette.
 Water and Clay, southeast corner, 3-inch supply, Willamette.
 Water and Mill, northeast corner, 3-inch supply, Willamette.
 Water and Montgomery, northeast corner, 3-inch supply, Willamette.
 Water and Harrison, northeast corner, 3-inch supply, Willamette.
 Water and Hood, east side, 6-inch supply, Portland No. 2.
 Water and Hooker, southwest corner, 3-inch supply, Willamette.
 Water and Grover, southwest corner, 3-inch supply, Willamette.
 Front and Morrison, southeast corner, 6-inch supply, Portland No. 2.
 Front and Morrison, southwest corner, 6-inch supply, Portland No. 2.
 Front and Yamhill, southeast corner, 6-inch supply, Portland No. 2.
 Front and Yamhill, northwest corner, 6-inch supply, Portland No. 2.
 Front and Taylor, southeast corner, 6-inch supply, Portland No. 2.
 Front and Taylor, northwest corner, 6-inch supply, Portland No. 2.
 Front and Salmon, southwest corner, 6-inch supply, Portland No. 2.
 Front and Salmon, northwest corner, 6-inch supply, Portland No. 2.
 Front and Main, southwest corner, 6-inch supply, Portland No. 2.
 Front and Main, northeast corner, 6-inch supply, Portland No. 2.
 Front and Madison, northeast corner, 6-inch supply, Portland No. 2.
 Front and Madison, southwest corner, 6-inch supply, Portland No. 1.
 Front and Jefferson, northwest corner, 4-inch supply, Waterous.
 Front and Jefferson, northeast corner, 6-inch supply, Portland No. 1.
 Front and Columbia, southwest corner, 4-inch supply, Waterous.
 Front and Columbia, northeast corner, 6-inch supply, Portland No. 1.
 Front and Clay, northeast corner, 6-inch supply, Portland No. 1.
 Front and Market, southwest corner, 4-inch supply, Waterous.
 Front and Market, southeast corner, 6-inch supply, Phoenix.
 Front and Mill, southeast corner, 6-inch supply, Phoenix.
 Front and Montgomery, southeast corner, 6-inch supply, Portland No. 1.
 Front and Hall, northeast corner, 6-inch supply, Portland No. 2.
 Front and Lincoln, northwest corner, 4-inch supply, Willamette.
 Front and Caruthers, southwest corner, 4-inch supply, Willamette.
 Front and Meade, southeast corner, 4-inch supply, Willamette.
 Front and Porter, northwest corner, 6-inch supply, Portland No. 2.
 Front and Gibbs, northeast corner, 3-inch supply, Willamette.
 Front and Curry, northeast corner, 3-inch supply, Willamette.
 Front and Lowell, southwest corner, 4-inch supply, Waterous.
 Front and Hamilton, southeast corner, 3-inch supply, Willamette.
 First and Taylor, southwest corner, 4-inch supply, Waterous.
 First and Salmon, southeast corner, 6-inch supply, Portland No. 2.
 First and Main, northwest corner, 4-inch supply, Waterous.

HYDRANTS—Continued.

First and Madison, southwest corner, 4-inch supply, Waterous.
 First and Jefferson, northeast corner, 6-inch supply, Ludlow.
 First and Columbia, southwest corner, 6-inch supply, Portland No. 2.
 First and Clay, southwest corner, 6-inch supply, Portland No. 2.
 First and Market, southwest corner, 6-inch supply, Portland No. 2.
 First and Mill, northwest corner, 6-inch supply, Portland No. 2.
 First and Montgomery, northwest corner, 6-inch supply, Portland No. 2.
 First and Harrison, southeast corner, 6-inch supply, Portland No. 2.
 First and Hall, southeast corner, 6-inch supply, Portland No. 2.
 First and College, east side, 6-inch supply, Portland No. 2.
 First and Lincoln, northeast corner, 6-inch supply, Portland No. 2.
 First and Grant, southeast corner, 3-inch supply, Willamette.
 First and Grant, northwest corner, 6-inch supply, Portland No. 2.
 First and Sherman, southwest corner, 6-inch supply, Portland No. 2.
 First and Caruthers, southwest corner, 6-inch supply, Portland No. 2.
 First and Sheridan, southeast corner, 6-inch supply, Portland No. 2.
 First and Hooker, southeast corner, 6-inch supply, Portland No. 2.
 First and Woods, southeast corner, 3-inch supply, Willamette.
 First and Whitaker, southeast corner, 3-inch supply, Willamette.
 First and Pennoyer, southeast corner, 3-inch supply, Willamette.
 First and Bancroft, northeast corner, 3-inch supply, Willamette.
 Second and Taylor, southwest corner, 6-inch supply, Portland No. 2.
 Second and Taylor, northwest corner, 6-inch supply, Portland No. 2.
 Second and Yamhill, southwest corner, 6-inch supply, Portland No. 2.
 Second and Yamhill, northwest corner, 6-inch supply, Portland No. 2.
 Second and Salmon, southwest corner, 6-inch supply, Portland No. 2.
 Second and Salmon, northwest corner, 6-inch supply, Portland No. 2.
 Second and Main, southwest corner, 6-inch supply, Portland No. 2.
 Second and Main, northwest corner, 6-inch supply, Portland No. 2.
 Second and Madison, southwest corner, 6-inch supply, Portland No. 2.
 Second and Madison, northwest corner, 6-inch supply, Portland No. 2.
 Second and Jefferson, northwest corner, 6-inch supply, Portland No. 2.
 Second and Jefferson, northeast corner, 6-inch supply, Portland No. 2.
 Second and Columbia, northwest corner, 4-inch supply, Salem.
 Second and Mill, southwest corner, 6-inch supply, Portland No. 2.
 Second and Harrison, southwest corner, 6-inch supply, Portland No. 2.
 Second and Lincoln, northwest corner, 3-inch supply, Willamette.
 Second and Arthur, southeast corner, 6-inch supply, Portland No. 1.
 Second and Porter, northeast corner, 3-inch supply, Willamette.
 Third and Yamhill, southwest corner, 4-inch supply, Waterous.
 Third and Salmon, southwest corner, 6-inch supply, Phoenix.

HYDRANTS—Continued.

Third and Main, southwest corner, 6-inch supply, Portland No. 2.
 Third and Madison, southwest corner, 6-inch supply, Ludlow No. 2.
 Third and Jefferson, southwest corner, 6-inch supply, Ludlow No. 2.
 Third and Columbia, southwest corner, 6-inch supply, Ludlow.
 Third and Clay, northwest corner, 3-inch supply, Willamette.
 Third and Clay, southwest corner, 6-inch supply, Ludlow No. 2.
 Third and Market, southwest corner, 4-inch supply, Waterous.
 Third and Mill, southwest corner, 6-inch supply, Ludlow No. 2.
 Third and Montgomery, southwest corner, 6-inch supply, Ludlow No. 2.
 Third and Harrison, southwest corner, 4-inch supply, Waterous.
 Third and Harrison, northwest corner, 6-inch supply, Ludlow No. 2.
 Third and Hall, southwest corner, 6-inch supply, Ludlow No. 2.
 Third and Sheridan, northwest corner, 3-inch supply, Willamette.
 Third and Hooker, northeast corner, 3-inch supply, Willamette.
 Fourth, bet. Morrison and Yamhill, east side, 6-inch supply, Phoenix.
 Fourth and Salmon, northeast corner, 4-inch supply, Waterous.
 Fourth and Salmon, southeast corner, 6-inch supply, Portland No. 1.
 Fourth and Madison, southeast corner, 4-inch supply, Waterous.
 Fourth and Jefferson, northwest corner, 3-inch supply, Willamette.
 Fourth and Jefferson, southeast corner, 6-inch supply, Ludlow No. 2.
 Fourth and Mill, southwest corner, 4-inch supply, Waterous.
 Fourth, bet. Mill and Montgomery, east side, 6-inch supply, Portland No. 1.
 Fourth and Harrison, northwest corner, 3-inch supply, Willamette.
 Fourth and Hall, southwest corner, 6-inch supply, Portland No. 2.
 Fourth and Lincoln, northwest corner, 3-inch supply, Willamette.
 Fourth and Sherman, southwest corner, 4-inch supply, Waterous.
 Fourth and Sheridan, northwest corner, 4-inch supply, Waterous.
 Fourth and Hooker, southwest corner, 4-inch supply, Waterous.
 Fourth and Woods, northeast corner, 3-inch supply, Willamette.
 Fifth and Morrison, southwest corner, 6-inch supply, Portland No. 2.
 Fifth and Yamhill, northwest corner, 6-inch supply, Portland No. 2.
 Fifth and Taylor, northwest corner, 6-inch supply, Portland No. 2.
 Fifth and Salmon, southwest corner, 6-inch supply, Portland No. 2.
 Fifth and Main, northwest corner, 6-inch supply, Portland No. 2.
 Fifth and Madison, northwest corner, 6-inch supply, Portland No. 2.
 Fifth and Jefferson, southwest corner, 3-inch supply, Willamette.
 Fifth and Jefferson, northwest corner, 6-inch supply, Portland No. 2.
 Fifth and Columbia, southwest corner, 4-inch supply, Waterous.
 Fifth and Market, southeast corner, 6-inch supply, Portland No. 1.
 Fifth and Hall, northeast corner, 6-inch supply, Portland No. 2.

HYDRANTS—Continued.

Fifth and Grant, southwest corner, 3-inch supply, Willamette.
 Sixth and Morrison, southwest corner, 6-inch supply, Portland No. 2.
 Sixth and Yamhill, southeast corner, 6-inch supply, Ludlow No. 2.
 Sixth and Taylor, southeast corner, 6-inch supply, Ludlow No. 2.
 Sixth and Salmon, southeast corner, 6-inch supply, Ludlow No. 2.
 Sixth and Main, southeast corner, 6-inch supply, Ludlow No. 2.
 Sixth and Madison, southeast corner, 6-inch supply, Portland No. 2.
 Sixth and Madison, northeast corner, 6-inch supply, Portland No. 2.
 Sixth and Jefferson, northeast corner, 6-inch supply, Ludlow No. 2.
 Sixth and Jefferson, southeast corner, 6-inch supply, Ludlow No. 2.
 Sixth and Clay, northeast corner, 3-inch supply, Willamette.
 Sixth and Harrison, southwest corner, 4-inch supply, Waterous.
 Sixth and Hall, northeast corner, 6-inch supply, Portland No. 2.
 Sixth and Sherman, southeast corner, 3-inch supply, Willamette.
 Sixth and Sheridan, northeast corner, 3-inch supply, Willamette.
 Seventh and Morrison, southwest corner, 6-in. supply, Portland No. 1.
 Seventh and Yamhill, northwest corner, 6-inch supply, Portland No. 1.
 Seventh and Taylor, northwest corner, 6-inch supply, Portland No. 1.
 Seventh and Salmon, northwest corner, 6-inch supply, Portland No. 1.
 Seventh and Jefferson, northeast corner, 6-inch supply, Ludlow No. 2.
 Seventh and Market, southeast corner, 3-inch supply, Willamette.
 Seventh and Montgomery, northeast corner, 3-in. supply, Willamette.
 Seventh and Jackson, southeast corner, 3-inch supply, Willamette.
 Seventh and Lincoln, northeast corner, 3-inch supply, Willamette.
 Seventh and Grant, northeast corner, 3-inch supply, Willamette.
 Park and Yamhill, southwest corner, 6-inch supply, Portland No. 1.
 Park and Yamhill, northeast corner, 6-inch supply, Portland No. 2.
 Park and Taylor, southwest corner, 6-inch supply, Portland No. 1.
 Park and Salmon, northwest corner, 6-inch supply, Portland No. 1.
 Park and Jefferson, northeast corner, 6-inch supply, Ludlow No. 2.
 West Park and Yamhill, southeast corner, 4-inch supply, Waterous.
 West Park and Salmon, northwest corner, 4-inch supply, Waterous.
 West Park and Jefferson, northwest corner, 6-inch supply, Ludlow No. 2.
 West Park and Clay, northwest corner, 3-inch supply, Willamette.
 West Park and Mill, southwest corner, 3-inch supply, Willamette.
 West Park and Harrison, southwest corner, 3-in. supply, Willamette.
 West Park and College, southwest corner, 3-inch supply, Willamette.
 Tenth and Yamhill, southwest corner, 4-inch supply, Waterous.
 Tenth and Salmon, northwest corner, 4-inch supply, Willamette.
 Tenth and Madison, northwest corner, 6-inch supply, Portland No. 1.
 Tenth and Jefferson, northwest corner, 6-inch supply, Portland No. 1.

HYDRANTS—Continued.

Eleventh and Yamhill, southwest corner, 4-inch supply, Waterous.
 Eleventh and Taylor, southwest corner, 6-inch supply, Phoenix.
 Eleventh and Salmon, northwest corner, 4-inch supply, Waterous.
 Eleventh and Main, southwest corner, 4-inch supply, Waterous.
 Eleventh and Madison, southwest corner, 4-inch supply, Waterous.
 Eleventh and Jefferson, northeast corner, 6-inch supply, Ludlow No. 2.
 Eleventh and Hall, northwest corner, 6-inch supply, Portland No. 1.
 Twelfth and Yamhill, southwest corner, 6-in. supply, Ludlow No. 2.
 Twelfth and Madison, northwest corner, 4-inch supply, Waterous.
 Twelfth and Jefferson, northwest corner, 3-inch supply, Willamette.
 Twelfth and Jefferson, northeast corner, 6-inch supply, Ludlow No. 2.
 Thirteenth and Salmon, northwest corner, 4-inch supply, Waterous.
 Thirteenth and Jefferson, northeast corner, 6-in. supply, Ludlow No. 2.
 Thirteenth and Columbia, southeast corner, 4-inch supply, Waterous.
 Thirteenth and Montgomery, northwest corner, 3-inch supply, Willamette.
 Thirteenth and Harrison, northeast corner, 6-inch supply, Portland No. 1.
 Thirteenth and Hall, northeast corner, 6-in. supply, Portland No. 1.
 Thirteenth and Davenport, northeast corner, 6-inch supply, Phoenix.
 Fourteenth and Morrison, southwest corner, 4-inch supply, Waterous.
 Fourteenth and Yamhill, southwest corner, 6-inch supply, Phoenix.
 Fourteenth and Taylor, southwest corner, 6-inch supply, Phoenix.
 Fourteenth and Salmon, southwest corner, 6-inch supply, Phoenix.
 Fourteenth and Main, southwest corner, 3-inch supply, Waterous.
 Fourteenth and Madison, southwest corner, 6-inch supply, Phoenix.
 Fourteenth and Jefferson, northeast corner, 6-inch supply, Ludlow No. 2.
 Fourteenth and Jefferson, southwest corner, 3-in. supply, Willamette.
 Fourteenth and Clay, northwest corner, 4-inch supply, Waterous.
 Jefferson, bet. Fourteenth and Fifteenth, north side, 6-inch, Ludlow No. 2.
 Columbia, bet. Fourteenth and Sixteenth, north side, 4-inch supply, Waterous.
 Clay, bet. Fourteenth and Sixteenth, north side, 4-in. supply, Waterous.
 Market, bet. Fourteenth and Sixteenth, north side, 4-inch supply, Waterous.
 Mill, bet. Fourteenth and Sixteenth, north side, 4-inch supply, Willamette.
 Sixteenth and Taylor, southeast corner, 3-inch supply, Willamette.
 Sixteenth and Madison, northwest corner, 6-inch supply, Portland No. 2.

HYDRANTS—Continued.

Sixteenth and Jefferson, northwest corner, 6-inch supply, Portland No. 2.
 Sixteenth and Montgomery, northwest corner, 3-inch supply, Willamette.
 Sixteenth and College, southwest corner, 4-inch supply, Willamette.
 Sixteenth and Clifton, northwest corner, 4-inch supply, Waterous.
 Sixteenth and Elizabeth, southwest corner, 3-inch supply, Willamette.
 Sixteenth and Davenport, northeast corner, 6-inch supply, Phoenix.
 Seventeenth and Jefferson, northeast corner, 6-inch supply, Ludlow No. 2.
 Seventeenth and Clay, northeast corner, 3-inch supply, Willamette.
 Seventeenth and Myrtle, northeast corner, 4-inch supply, Waterous.
 Chapman and Morrison, southeast corner, 4-inch supply, Willamette.
 Chapman and Taylor, northeast corner, 3-inch supply, Willamette.
 Chapman and Main, northwest corner, 4-inch supply, Willamette.
 Chapman and Madison, northwest corner, 4-inch supply, Waterous.
 Chapman and Mill, northeast corner, 3-inch supply, Willamette.
 Chapman and Myrtle, southeast corner, 3-inch supply, Willamette.
 Chapman and Elizabeth, southwest corner, 3-inch supply, Willamette.
 Chapman and Laurel, southwest corner, 6-inch supply, Phoenix.
 Nineteenth and Elizabeth, northwest corner, 4-inch supply, Waterous.
 Nineteenth and Carter, southeast corner, 6-inch supply, Phoenix.
 Twentieth and Spring, northeast corner, 3-inch supply, Willamette.
 Twentieth and Spring, southwest corner, 6-inch supply, Phoenix.
 Twentieth and Laurel, northwest corner, 3-inch supply, Willamette.
 Twentieth and Jackson, southwest corner, 3-inch supply, Willamette.
 Twentieth and Carter, southwest corner, 4-inch supply, Willamette.
 Twentieth and Clifton, southwest corner, 6-inch supply, Phoenix.
 Twentieth, 200 ft. north of Carter, west side, 4-in. supply, Willamette.
 Twentieth and Market street drive, north side, 3-inch supply, connection.
 Twenty-first and Carter, northeast corner, 6-inch supply, Corey.
 Twenty-first and Jackson, northeast corner, 6-inch supply, Corey.
 Twenty-first and Clifton, southeast corner, 6-inch supply, Phoenix.
 Twenty-first and Myrtle, southeast corner, 6-inch supply, Phoenix.
 Twenty-first and Laurel, southeast corner, 6-inch supply, Phoenix.
 Twenty-first and Elm, southeast corner, 6-inch supply, Phoenix.
 Twenty-first and Spring, southeast corner, 6-inch supply, Phoenix.
 Ravensview and Hillcrest, southwest corner, 6-inch supply, Phoenix.
 Ravensview and Corona, northwest corner, 6-inch supply, Phoenix.
 Montgomery drive and Fern avenue, northwest corner, 6-inch supply, Phoenix.

HYDRANTS—Continued.

Terrace drive and Patton road, northeast corner, 6-inch supply, Phoenix.
 Lamson avenue and Patton road, southeast corner, 6-inch supply, Phoenix.
 Stout and Main, southwest corner, 3-inch supply, Willamette.
 Stout and Jefferson, northwest corner, 3-inch supply, Willamette.
 King and Washington, southwest corner, 6-inch supply, Phoenix.
 King and Wayne, northeast corner, 6-inch supply, Phoenix.
 King and Wayne, southwest corner, 3-inch supply, Willamette.
 King and Madison, northwest corner, 4-inch supply, Willamette.
 King and Park avenue, southwest corner, 3-inch supply, Willamette.
 St. Clair and Park avenue, northeast corner, 3-in. supply, Willamette.
 St. Clair and Madison, northeast corner, 4-inch supply, Willamette.
 St. Clair and Wayne, northeast corner, 3-inch supply, Willamette.
 Ford and Main, northeast corner, 3-inch supply, Willamette.
 Ford and Green avenue, southwest corner, 6-inch supply, Ludlow.
 Ford and Vista avenue, southwest corner, 3-inch supply, Willamette.
 Green avenue and Osage, northeast corner, 6-inch supply, Phoenix.

Hydrants, Southern Districts.	
Make.	No.
Salem	1
Corey	2
Portland No. 1.....	28
Portland No. 2.....	76
Ludlow No. 2.....	26
Willamette	99
Waterous	47
Phoenix	28
Connection	1
Total	308

Hydrants, Southeast District.

Foot of East Washington, Fire Boat Dock, south side, Ludlow No. 1.
 East Water and East Ash, northeast corner, Portland No. 1.
 East Water and East Taylor, southeast corner, Portland No. 1.
 East Water and Hawthorne, northeast corner, Waterous.
 East Water and East Clay, southeast corner, 4-inch supply, Phoenix.
 East First and East Ankeny, southeast corner, Portland No. 1.
 East First and East Ash, southwest corner, Portland No. 1.
 East First and East Oak, southeast corner, Portland No. 1.
 East First and East Stark, southeast corner, Waterous.

HYDRANTS—Continued.

East First and East Washington, southeast corner, Waterous.
 East First and East Alder, northeast corner, Phoenix.
 East First and East Alder, southeast corner, Phoenix.
 East First and East Morrison, northeast corner, Waterous.
 East First and East Morrison, southeast corner, Waterous.
 East First and Belmont, northeast corner, Waterous.
 East First and Belmont, southeast corner, Waterous.
 East First and East Yamhill, northeast corner, Waterous.
 East First and East Yamhill, southeast corner, Waterous.
 East First and East Main, northwest corner, Waterous.
 East First and East Main, southwest corner, Waterous.
 East First and East Madison, southeast corner, Waterous.
 East First and Hawthorne, southeast corner, Waterous.
 East First and East Clay, northeast corner, Waterous.
 East First and East Clay, southeast corner, Waterous.
 East First and East Market, northeast corner, Waterous.
 East Second and Hawthorne, northwest corner, Corey.
 East Second and Hawthorne, northeast corner, Corey.
 East Third and East Ankeny, southwest corner, Portland No. 2.
 East Third and East Oak, northwest corner, Portland No. 2.
 East Third and East Morrison, southwest corner, Waterous.
 East Third and Hawthorne, northwest corner, Corey.
 East Third and Hawthorne, northeast corner, Corey.
 East Third and East Market, northeast corner, Waterous.
 East Third and East Mill, northeast corner, Ludlow No. 1.
 Inman Poulsen East Mill Yard, 2 Ludlow No. 1, 1 Portland No. 1.
 Union avenue and East Ankeny, northeast corner, Ludlow No. 1.
 Union avenue and East Pine, northeast corner, Phoenix.
 Union avenue and East Washington southeast corner, Portland No. 2.
 Union avenue and East Alder, northeast corner, Waterous.
 Union avenue and East Morrison, southeast corner, Corey.
 Union avenue and Hawthorne, northwest corner, Corey.
 Union avenue and Hawthorne, northeast corner, Corey.
 Union avenue and East Clay, southeast corner, Ludlow No. 1.
 Union avenue and East Caruthers, southeast corner, Ludlow No. 1.
 Union avenue and Ivon, northeast corner, Ludlow No. 1.
 Grand avenue and East Ankeny, southeast corner, Portland No. 2.
 Grand avenue and East Ash, southeast corner, Portland No. 2.
 Grand avenue and East Pine, southeast corner, Portland No. 2.
 Grand avenue and East Stark, southeast corner, Portland No. 2.
 Grand avenue and East Washington, southeast corner, Portland No. 2.

HYDRANTS—Continued.

Grand avenue and East Alder, southeast corner, Portland No. 2.
 Grand avenue and East Morrison, southeast corner, Portland No. 2.
 Grand avenue and Belmont, southeast corner, Portland No. 2.
 Grand avenue and East Yamhill, southeast corner, Portland No. 2.
 Grand avenue and East Taylor, southeast corner, Portland No. 2.
 Grand avenue and East Salmon, southeast corner, Ludlow No. 2.
 Grand avenue and East Main, southeast corner, Ludlow No. 2.
 Grand avenue and East Madison, southeast corner, Ludlow No. 2.
 Grand avenue and Hawthorne, southeast corner, Portland No. 2.
 Grand avenue and Hawthorne, northwest corner, Corey.
 Grand avenue and Stephens, southeast corner, Ludlow No. 1.
 Grand avenue and East Lincoln, southeast corner, Ludlow No. 1.
 Grand avenue and Taggart, northeast corner, Ludlow No. 1.
 East Sixth and East Ankeny, southeast corner, Ludlow No. 1.
 East Sixth and East Pine, southwest corner, Portland No. 2.
 East Sixth and East Alder, southeast corner, Portland No. 2.
 East Sixth and Belmont, southwest corner, Ludlow No. 1.
 East Sixth and Hawthorne, northeast corner, Corey.
 East Sixth and East Market, northeast corner, Waterous.
 East Sixth and Ellsworth, southeast corner, Phoenix.
 East Seventh and East Oak, southwest corner, Ludlow No. 1.
 East Seventh and East Alder, southwest corner, Portland No. 2.
 East Seventh and East Morrison, southwest corner, Portland No. 2.
 East Seventh and Belmont, southwest corner, Portland No. 2.
 East Seventh and East Yamhill, southwest corner, Portland No. 2.
 East Seventh and East Taylor, southwest corner, Portland No. 2.
 East Seventh and East Salmon, southwest corner, Portland No. 2.
 East Seventh and East Main, southwest corner, Portland No. 2.
 East Seventh and East Madison, southwest corner, Portland No. 2.
 East Seventh and Hawthorne, southwest corner, Portland No. 2.
 East Seventh and East Clay, southeast corner, Ludlow No. 1.
 East Seventh and East Mill, northeast corner, Ludlow No. 1.
 East Seventh and Stephens, southeast corner, Ludlow No. 2.
 East Seventh and East Harrison, southeast corner, Ludlow No. 1.
 East Seventh and East Grant, southeast corner, Phoenix.
 East Eighth and East Pine, southeast corner, Waterous.
 East Eighth and East Stark, southeast corner, Phoenix.
 East Eighth and East Taylor, southeast corner, Ludlow No. 1.
 East Eighth and Hawthorne, northeast corner, Corey.
 East Eighth and East Market, northeast corner, Waterous.
 East Eighth and Stephens, southwest corner, Waterous.
 East Eighth and East Lincoln, southeast corner, Ludlow No. 1.

HYDRANTS—Continued.

East Eighth and East Sherman, northeast corner, Ludlow No. 1.
 East Eighth and Brooklyn, northwest corner, Ludlow No. 1.
 East Eighth and Karl, northeast corner, Ludlow No. 1.
 East Eighth and Center, northeast corner, Willamette.
 East Ninth and East Washington, southwest corner, Ludlow No. 1.
 East Ninth and Belmont, southwest corner, Ludlow No. 1.
 East Ninth and Hawthorne, northeast corner, Corey.
 East Ninth and East Clay, southwest corner, Willamette.
 East Ninth and East Sherman, southwest corner, Willamette.
 East Ninth and Ellsworth, southeast corner, Phoenix.
 East Ninth and Beacon, southwest corner, Ludlow No. 1.
 East Ninth and Rhine, northeast corner, Phoenix.
 East Tenth and East Ankeny, southeast corner, Waterous.
 East Tenth and East Oak, southwest corner, Ludlow No. 1.
 East Tenth and Hawthorne, northwest corner, Corey.
 East Tenth and East Market, northwest corner, Waterous.
 East Tenth and East Caruthers, southwest corner, Ludlow No. 1.
 East Tenth and Brooklyn, southeast corner, Phoenix.
 East Tenth and Beacon, 200 feet north of Beacon, east side, Phoenix.
 East Eleventh and East Stark, southeast corner, Phoenix.
 East Eleventh and East Clay, southeast corner, Ludlow No. 1.
 East Eleventh and East Market, northwest corner, Waterous.
 East Eleventh and Stephens, southeast corner, Willamette.
 East Eleventh and East Lincoln, southeast corner, Ludlow No. 1.
 East Eleventh and East Sherman, southeast corner, Willamette.
 East Eleventh and Division, southeast corner, Phoenix.
 Milwaukie avenue and Clinton, southeast corner, Portland No. 2.
 Milwaukie avenue and Powell, southeast corner, Portland No. 1.
 Milwaukie avenue and Frederick, northwest corner, Ludlow No. 1.
 Milwaukie avenue and Karl, southeast corner, Portland No. 1.
 Milwaukie avenue and Rhone, southwest corner, Willamette.
 Milwaukie avenue and Caywood, southwest corner, Willamette.
 Milwaukie avenue and Cookham, 100 feet south, east side, Willamette.
 Milwaukie avenue and Harold, southeast corner, Waterous.
 Milwaukie avenue and Ramona, southwest corner, Willamette.
 Milwaukie avenue and Duke, southwest corner, Willamette.
 East Twelfth and East Pine, southwest corner, Ludlow No. 1.
 East Twelfth and East Oak, southeast corner, Ludlow No. 1.
 East Twelfth and East Washington, southwest corner, Ludlow No. 1.
 East Twelfth and East Morrison, southeast corner, Ludlow No. 1.
 East Twelfth and Belmont, southwest corner, Willamette.
 East Twelfth and East Taylor, southeast corner, Portland No. 1.

HYDRANTS—Continued.

East Twelfth and East Main, southeast corner, Portland No. 1.
 East Twelfth and Hawthorne, northeast corner, Portland No. 1.
 East Twelfth and East Market, northwest corner, Waterous.
 East Thirteenth and East Stark, southeast corner, Portland No. 2.
 East Thirteenth and East Alder, southwest corner, Portland No. 2.
 East Thirteenth and Clinton, southeast corner, Phoenix.
 East Thirteenth and Powell, southwest corner, Ludlow No. 1.
 East Thirteenth and Rhine, southeast corner, Ludlow No. 1.
 East Fourteenth and East Alder, southeast corner, Portland No. 1.
 East Fourteenth and Belmont, southwest corner, Ludlow No. 1.
 East Fourteenth and East Main, southeast corner, Phoenix.
 East Fourteenth and Hawthorne, northeast corner, Phoenix.
 East Fifteenth and East Stark, southeast corner, Portland No. 2.
 East Fifteenth and East Washington, southeast corner, Phoenix.
 East Fifteenth and Division, southwest corner, Phoenix.
 East Fifteenth and Clinton, southeast corner, Ludlow No. 1.
 East Sixteenth and East Ankeny, southeast corner, Ludlow No. 1.
 East Sixteenth and East Pine, southeast corner, Portland No. 1.
 East Sixteenth and East Morrison, southwest corner, Ludlow No. 1.
 East Sixteenth and East Taylor, southeast corner, Portland No. 1.
 East Sixteenth and East Main, southeast corner, Ludlow No. 1.
 East Sixteenth and Hawthorne, northwest corner, Portland No. 1.
 East Sixteenth and Karl, southeast corner, Ludlow No. 1.
 East Seventeenth and East Ash, southeast corner, Phoenix.
 East Seventeenth and East Alder, southeast corner, Phoenix.
 East Seventeenth and Ivon, southeast corner, Phoenix.
 East Eighteenth and East Pine, southwest corner, Portland No. 1.
 East Eighteenth and East Washington, southeast corner, Phoenix.
 East Eighteenth and Hawthorne, northeast corner, Phoenix.
 East Eighteenth and Clinton, southwest corner, Ludlow No. 1.
 East Eighteenth and Powell, northwest corner, Ludlow No. 1.
 East Eighteenth and Karl, southwest corner, Phoenix.
 East Eighteenth and Frankfort, northwest corner, Phoenix.
 East Nineteenth and East Ash, southeast corner, Portland No. 2.
 East Nineteenth and East Stark, southeast corner, Ludlow No. 1.
 East Nineteenth and East Alder, southeast corner, Phoenix.
 East Nineteenth and East Main, southeast corner, Waterous.
 East Twentieth and East Morrison, northwest corner, Ludlow No. 1.
 East Twentieth and Belmont, 100 feet east, 20 feet south side, Phoenix.
 East Twentieth and East Yamhill, northeast corner, Portland No. 1.
 East Twentieth and Hawthorne, southwest corner, Phoenix.

HYDRANTS—Continued.

East Twentieth and Karl, southwest corner, Ludlow No. 1.
 East Twenty-first and East Ash, southwest corner, Phoenix.
 East Twenty-first and East Main, southeast corner, Portland No. 1.
 East Twenty-first and Ivon, northeast corner, Ludlow No. 1.
 East Twenty-first and Brooklyn, southeast corner, Ludlow No. 1.
 East Twenty-first and Powell, northwest corner, Phoenix.
 East Twenty-first and Bush, northeast corner, Waterous.
 East Twenty-second and East Ankeny, southwest corner, Willamette.
 East Twenty-second and East Stark, southeast corner, Ludlow No. 1.
 East Twenty-second and Belmont, southeast corner, Phoenix.
 East Twenty-second and East Taylor, northeast corner, Waterous.
 East Twenty-second and Hawthorne, northeast corner, Portland No. 1.
 East Twenty-third and East Yamhill, northwest corner, Phoenix.
 East Twenty-third and East Main, southwest corner, Portland No. 1.
 East Twenty-fourth and Belmont, southwest corner, Phoenix.
 East Twenty-fourth and East Madison, southwest corner, Corey.
 East Twenty-fourth and Hawthorne, northeast corner, Phoenix.
 East Twenty-fifth and East Salmon, southwest corner, Portland No. 1.
 East Twenty-sixth and East Ankeny, southwest corner, Waterous.
 East Twenty-sixth and East Stark, southeast corner, Phoenix.
 East Twenty-sixth and Belmont, southeast corner, Phoenix.
 East Twenty-sixth and East Madison, southwest corner, Corey.
 East Twenty-sixth and Division, southeast corner, Waterous.
 East Twenty-sixth and Brooklyn, southeast corner, Ludlow No. 1.
 East Twenty-sixth and Kelly, northeast corner, Portland No. 1.
 East Twenty-sixth and Powell, northeast corner, Waterous.
 East Twenty-seventh and East Salmon, southwest corner, Phoenix.
 East Twenty-seventh and Hawthorne, northwest corner, Waterous.
 East Twenty-seventh and Clinton, southeast corner, Phoenix.
 East Twenty-seventh and Francis, southwest corner, Phoenix.
 East Twenty-eighth and East Pine, northwest corner, Portland No. 1.
 East Twenty-eighth and East Stark, northwest corner, Portland No. 1.
 East Twenty-eighth and East Alder, southeast corner, Phoenix.
 East Twenty-eighth and Belmont, southeast corner, Ludlow No. 2.
 East Twenty-eighth and East Taylor, southeast corner, Portland No. 2.
 East Twenty-eighth and East Main, northeast corner, Portland No. 2.
 East Twenty-eighth and Hawthorne, northeast corner, Phoenix.
 East Twenty-ninth and East Yamhill, northwest corner, Phoenix.
 East Twenty-ninth and East Salmon, southeast corner, Phoenix.
 Kenilworth and Clinton, southeast corner, Phoenix.

HYDRANTS—Continued.

Kenilworth and Francis avenue, southwest corner, Phoenix.
 Kenilworth and Gladstone, southwest corner, Waterous.
 East Thirtieth and East Ankeny, southwest corner, Waterous.
 East Thirtieth and East Stark, southwest corner, Portland No. 1.
 East Thirtieth and Belmont, southeast corner, Phoenix.
 East Thirtieth and East Main, northeast corner, Phoenix.
 East Thirtieth and Hawthorne, northeast corner, Phoenix.
 East Thirtieth and Clinton, southeast corner, Phoenix.
 East Thirtieth and Francis, southwest corner, Phoenix.
 East Thirty-first and East Pine, northeast corner, Waterous.
 East Thirty-first and East Yamhill, southeast corner, Corey.
 East Thirty-first and East Taylor, northeast corner, Waterous.
 East Thirty-second and East Stark, southwest corner, Phoenix.
 East Thirty-second and East Morrison, northeast corner, Ludlow No. 1.
 East Thirty-second and Belmont, southeast corner, Phoenix.
 East Thirty-second and East Main, southwest corner, Phoenix.
 East Thirty-second and Clinton, southeast corner, Phoenix.
 East Thirty-second and Francis, southwest corner, Phoenix.
 East Thirty-second and Gladstone, southwest corner, Waterous.
 Glenn avenue and East Salmon, southeast corner, Phoenix.
 Glenn avenue and East Market, northeast corner, Corey.
 Glenn avenue and Hawthorne, northeast corner, Phoenix.
 Glenn avenue and Hawthorne, southeast corner, Corey.
 Glenn avenue and Stephens, northeast corner, Corey.
 East Thirty-third and East Morrison, northeast corner, Waterous.
 East Thirty-third and Taggart, northeast corner, Corey.
 East Thirty-third and Belmont, southeast corner, Portland No. 2.
 East Thirty-third and Brooklyn, northeast corner, Corey.
 East Thirty-fourth and East Stark, southeast corner, Waterous.
 East Thirty-fourth and East Alder, northwest corner, Ludlow No. 1.
 East Thirty-fourth and Belmont, southeast corner, Ludlow No. 1.
 East Thirty-fourth and East Taylor, southeast corner, Waterous.
 East Thirty-fourth and East Main, southeast corner, Waterous.
 East Thirty-fourth and Hawthorne, northeast corner, Willamette.
 Greenwood and Clinton, southeast corner, Portland No. 1.
 Greenwood and Francis avenue, southwest corner, Phoenix.
 Greenwood and Gladstone, southwest corner, Phoenix.
 Margaret avenue and Hawthorne, 400 feet south west side, Waterous.
 Margaret avenue and East Harrison, northwest corner, Willamette.
 Margaret avenue and Division, northwest corner, Portland No. 1.
 East Thirty-fifth and East Morrison, northwest corner, Waterous.

HYDRANTS—Continued.

East Thirty-fifth and East Yamhill, northwest corner, Portland No. 1.
 East Thirty-fifth and East Taylor, northwest corner, Ludlow No. 1.
 East Thirty-fifth and East Salmon, southeast corner, Phoenix.
 East Thirty-fifth and East Madison, northwest corner, Waterous.
 East Thirty-fifth and Hawthorne avenue, northeast corner, Phoenix.
 East Thirty-fifth and East Market, southeast corner, Phoenix.
 East Thirty-sixth and East Washington, northwest corner, Phoenix.
 East Thirty-sixth and Belmont, southwest corner, Phoenix.
 East Thirty-sixth and East Main, northeast corner, Ludlow No. 1.
 East Thirty-seventh and East Alder, northeast corner, Portland No. 1.
 East Thirty-seventh and East Morrison, northeast corner, Phoenix.
 East Thirty-seventh and East Yamhill, southwest corner, Corey.
 East Thirty-seventh and East Salmon, southwest corner, Phoenix.
 East Thirty-seventh and Hawthorne, southeast corner, Phoenix.
 East Thirty-seventh and Division, southeast corner, Portland No. 2.
 East Thirty-seventh and Clinton, southeast corner, Ludlow No. 2.
 East Thirty-eighth and Belmont, southeast corner, Phoenix.
 East Thirty-eighth and East Taylor, northeast corner, Phoenix.
 East Thirty-eighth and East Main, northwest corner, Phoenix.
 East Thirty-ninth and East Stark, southeast corner, Corey.
 East Thirty-ninth and East Alder, northwest corner, Phoenix.
 East Thirty-ninth and East Morrison, northwest corner, Phoenix.
 East Thirty-ninth and East Yamhill, southwest corner, Corey.
 East Thirty-ninth and East Salmon, southwest corner, Phoenix.
 East Thirty-ninth and East Madison, southwest corner, Corey.
 East Thirty-ninth and Hawthorne, northeast corner, Phoenix.
 East Thirty-ninth and East Harrison, southwest corner, Phoenix.
 East Thirty-ninth and Clinton, southeast corner, Ludlow No. 2.
 East Fortieth and Belmont, northwest corner, Phoenix.
 East Fortieth and East Taylor, northwest corner, Waterous.
 East Fortieth and East Main, northwest corner, Phoenix.
 East Fortieth and Hawthorne, southeast corner, Portland No. 1.
 East Forty-first and East Salmon, southwest corner, Phoenix.
 East Forty-first and East Sherman, southeast corner, Phoenix.
 East Forty-first and Division, southwest corner, Ludlow No. 1.
 East Forty-first and Clinton, southwest corner, Ludlow No. 1.
 East Forty-first and Ellsworth, southwest corner, Waterous.
 East Forty-second and Belmont, northeast corner, Phoenix.
 East Forty-second and East Taylor, northeast corner, Phoenix.
 East Forty-third and Belmont, northeast corner, Phoenix.
 East Forty-fifth and Belmont, northeast corner, Phoenix.

HYDRANTS—Continued.

East Forty-fifth and East Taylor, northwest corner, Phoenix.
 East Forty-seventh and East Stark, southeast corner, Ludlow No. 1.
 East Forty-seventh and Belmont, northwest corner, Phoenix.
 East Forty-ninth and Belmont, northwest corner, Phoenix.
 East Fiftieth and Belmont, northeast corner, Phoenix.
 East Fiftieth and Division, northwest corner, Waterous.
 East Fifty-third and Belmont, northeast corner, Phoenix.
 East Fifty-fifth and Belmont, northeast corner, Phoenix.
 East Fifty-sixth and East Taylor, northwest corner, Phoenix.
 East Fifty-eighth and Belmont, northwest corner, Phoenix.
 East Fifty-eighth and East Taylor, northeast corner, Phoenix.
 East Sixtieth and East Alder, southeast corner, Portland No. 2.
 East Sixtieth and East Yamhill, southwest corner, Portland No. 2.
 East Sixtieth and East Main, northeast corner, Phoenix.
 East Sixtieth and Belmont, northwest corner, Phoenix.
 East Sixty-first and East Ash, northeast corner, Phoenix.
 East Sixty-second and East Stark, southeast corner, Phoenix.
 East Sixty-third and Powell, northeast corner, Phoenix.
 East Sixty-third 200 feet north of Powell, Phoenix.
 East Seventy-sixth and East Taylor, northeast corner, Phoenix.
 East Seventy-sixth and East Morrison, northeast corner, Phoenix.
 East Seventy-sixth and East Pine, northeast corner, Ludlow No. 2.
 East Seventy-sixth and East Ash, northeast corner, Phoenix.
 East Seventy-eighth and East Stark, northeast corner, Ludlow No. 2.
 East Eightieth and Delano, southeast corner, Phoenix.

Southeast District (Sellwood).

East Third and Spokane, southeast corner, Waterous.
 East Seventh and Umatilla, northwest corner, Willamette.
 East Seventh and Spokane, southeast corner, Phoenix.
 East Ninth and Malden, southeast corner, Portland No. 2.
 East Ninth and Bidwell, southeast corner, Portland No. 2.
 East Ninth and Lexington, southeast corner, Old Phoenix.
 East Ninth and Spokane, southeast corner, Willamette.
 East Ninth and Umatilla, southeast corner, Willamette.
 East Ninth and Sherrett, southeast corner, Willamette.
 East Ninth and Marion, northeast corner, Waterous.
 East Eleventh and Malden, southeast corner, Portland No. 2.
 East Eleventh and Bidwell, southeast corner, Portland No. 2.
 East Eleventh and Lexington, southeast corner, Old Phoenix.
 East Eleventh and Spokane, southwest corner, Waterous.
 East Eleventh and Umatilla, northeast corner, Waterous.

HYDRANTS—Continued.

East Thirteenth and Sherrett, northeast corner, Waterous.
 East Thirteenth and Umatilla, northwest corner, Willamette.
 East Thirteenth and Spokane, southwest corner, Willamette.
 East Thirteenth and Linn, northeast corner, Waterous.
 East Fourteenth and Glenwood, southeast corner, Waterous.
 East Fourteenth and Clackamas, southeast corner, Phoenix.
 East Fifteenth and Leo, southeast corner, Phoenix.
 East Fifteenth and Nehalem, southeast corner, Portland No. 2.
 East Fifteenth and Umatilla, northeast corner, Waterous.
 East Sixteenth and Clackamas, southwest corner, Phoenix.
 East Sixteenth and Nehalem, south side, Phoenix.
 East Seventeenth and Spokane, southwest corner, Waterous.
 East Seventeenth and Umatilla, northwest corner, Waterous.
 East Seventeenth and Sherrett, southwest corner, Phoenix.
 East Eighteenth and Nehalem, south side, Phoenix.
 East Nineteenth and Spokane, southwest corner, Willamette.
 East Nineteenth and Umatilla, northwest corner, Waterous.
 East Nineteenth and Clackamas, southwest corner, Phoenix.
 East Twenty-first and Tacoma, northwest corner, Willamette.
 East Twenty-first and Umatilla, northwest corner, Willamette.

12 Waterous in Oaks Park, 2 on O. W. P tracks near Oaks.

Phoenix	112
Waterous	75
Corey	24
Willamette	23
Ludlow No. 1.....	59
Ludlow No. 2.....	9
Portland No. 1.....	31
Portland No. 2.....	40

Total for Southeast District.....373

Northeast District.

Margin and Halsey, southeast corner, Portland No. 1, 6-inch supply.
 Crosby and Holladay avenue, southeast corner, Portland No. 1, 6-inch supply.
 Crosby and Hassalo, northwest corner, Portland No. 2, 6-inch supply.
 Crosby and McMillen, northwest corner, Portland No. 2, 6-inch supply.
 Crosby and Cherry, southwest corner, Phoenix, 6-inch supply.
 Larrabee and Holladay, southeast corner, Portland No. 1, 6-inch supply.
 Larrabee and Hassalo, northeast corner, Portland No. 1, 6-inch supply.
 Larrabee and Halsey, northeast corner, Portland No. 1, 6-inch supply.

HYDRANTS—Continued.

Larrabee and McMillen, northeast corner, Portland No. 1, 6-inch supply.
 Larrabee and Cherry, northeast corner, Portland No. 1, 6-inch supply.
 Larrabee and Broadway, northeast corner, Portland No. 1, 6-inch supply.
 Larrabee and Dixon, northeast corner, Portland No. 1, 6-inch supply.
 Larrahee, 200 feet north of Dixon, east side, Portland No. 1, 6-inch supply.
 Larrahee and Dupont, northeast corner, Portland No. 1, 6-inch supply.
 Larrabee and Hancock, northwest corner, Portland No. 1, 6-inch supply.
 Benton and Clackamas, southeast corner, Ludlow No. 1, 4-inch supply.
 Benton, bet. Dupont and Dixon, east side, Phoenix, 6-inch supply.
 Ross and Dixon, southwest corner, Ludlow No. 1, 4-inch supply.
 Ross and Cherry, northeast corner, Ludlow No. 1, 4-inch supply.
 Wheeler and Clackamas, southwest corner, Ludlow No. 1, 4-inch supply.
 Victoria and Broadway, northeast corner, Phoenix, 6-inch supply.
 200 feet south of Albina avenue, on river, east side, Portland No. 1, 6-inch supply.
 100 feet south of Albina avenue on river, east side, Portland No. 1, 6-inch supply.
 River and Albina avenue, southeast corner, Waterous, 4-inch supply.
 River and Albina avenue, northeast corner, Portland No. 1, 6-inch supply.
 River and Lewis, northeast corner, Portland No. 1, 6-inch supply.
 River and Clark, northeast corner, Portland No. 1, 6-inch supply.
 River and Harding, northeast corner, Portland No. 1, 6-inch supply.
 River and Randolph, northeast corner, Portland No. 1, 6-inch supply.
 River and Nesmith, southeast corner, Waterous, 4-inch supply.
 River and Marion, southeast corner, Waterous, 4-inch supply.
 Loring and Randolph, southwest corner, Waterous, 4-inch supply.
 Loring and Randolph, southeast corner, Portland No. 1, 6-inch supply.
 Loring and Clark, southeast corner, Waterous, 4-inch supply.
 Railroad and Randolph, southwest corner, Ludlow No. 1, 4-inch supply.
 Railroad and Russell, northeast corner, Ludlow No. 1, 4-inch supply.
 Goldsmith and Harding, southwest corner, Portland No. 1, 6-inch supply.
 Goldsmith and Randolph, northwest corner, Ludlow No. 1, 4-inch supply.
 Delay and Russell, northwest corner, Ludlow No. 1, 4-inch supply.
 Delay and Morris, northeast corner, Portland No. 2, 6-inch supply.
 Colonial avenue and Shaver, southeast corner, Ludlow No. 1, 4-inch supply.
 Patton avenue and Simpson, southeast corner, Ludlow No. 2, 6-inch supply.
 Patton avenue and Ainsworth, southeast corner, Ludlow No. 2, 6-inch supply.
 Maryland avenue and Prescott, northwest corner, Waterous, 4-inch supply.
 Maryland avenue and Killingsworth, southeast corner, Ludlow No. 2, 6-inch supply.
 Montana and Beech, southeast corner, Waterous, 4-inch supply.

HYDRANTS—Continued.

Minnesota and Killingsworth, southeast corner, Ludlow No. 2, 6-inch supply.
 Missouri and Fremont, northeast corner, Waterous, 4-inch supply.
 Missouri and Failing, southeast corner, Waterous, 4-inch supply.
 Missouri and Mason, southeast corner, Waterous, 4-inch supply.
 Missouri and Skidmore, northeast corner, Ludlow No. 1, 4-inch supply.
 Michigan, 200 feet north of Fremont, west side, Phoenix, 6-inch supply.
 Michigan and Beech, northwest corner, Phoenix, 6-inch supply.
 Michigan and Failing, northwest corner, Phoenix, 6-inch supply.
 Michigan and Shaver, northwest corner, Phoenix, 6-inch supply.
 Michigan and Mason, northwest corner, Phoenix, 6-inch supply.
 Michigan and Skidmore, northwest corner, Phoenix, 6-inch supply.
 Michigan and Killingsworth, northwest corner, Ludlow No. 2, 6-inch supply.
 Mississippi and Russell, southeast corner, Waterous, 4-inch supply.
 Mississippi and Knott, southeast corner, Ludlow No. 1, 4-inch supply.
 Mississippi and Stanton, southeast corner, Ludlow No. 1, 4-inch supply.
 Mississippi and Morris, northwest corner, Portland No. 2, 6-inch supply.
 Mississippi and Fremont, northeast corner, Willamette, 4-inch supply.
 Mississippi and Beech, southeast corner, Ludlow No. 1, 4-inch supply.
 Mississippi and Shaver, northeast corner, Ludlow No. 1, 4-inch supply.
 Albina avenue and Shaver, southwest corner, Ludlow No. 1, 4-inch supply.
 Albina avenue and Graham, southwest corner, Ludlow No. 1, 4-inch supply.
 Albina avenue and Failing, southeast corner, Phoenix, 6-inch supply.
 Albina avenue and Skidmore, southeast corner, Phoenix, 6-inch supply.
 Albina avenue and Humboldt, southeast corner, Ludlow No. 2, 6-inch supply.
 Albina avenue and Killingsworth avenue, southeast corner, Ludlow No. 2, 6-inch supply.
 Borthwick and Russell, northwest corner, Phoenix, 6-inch supply.
 Borthwick and Graham, northwest corner, Phoenix, 6-inch supply.
 Borthwick and Stanton, northwest corner, Phoenix, 6-inch supply.
 Borthwick and Monroe, northwest corner, Waterous, 4-inch supply.
 Borthwick and Shaver, southeast corner, Waterous, 4-inch supply.
 Borthwick and Mason, southeast corner, Portland No. 1, 6-inch supply.
 Kerby and Russell, northeast corner, Phoenix, 6-inch supply.
 Kerby and Sellwood, northeast corner, Phoenix, 6-inch supply.
 Kerby and Killingsworth, southeast corner, Ludlow No. 2, 6-inch supply.
 Commercial and Knott, southeast corner, Phoenix, 6-inch supply.
 Commercial and Stanton, northwest corner, Phoenix, 6-inch supply.
 Commercial and Morris, northwest corner, Phoenix, 6-inch supply.

HYDRANTS—Continued.

Commercial and Fargo, northeast corner, Phoenix, 6-inch supply.
 Commercial and Fremont, southwest corner, Phoenix, 6-inch supply.
 Commercial and Beech, southeast corner, Waterous, 4-inch supply.
 Commercial and Failing, southeast corner, Phoenix, 6-inch supply.
 Commercial and Shaver, southeast corner, Portland No. 1, 6-inch supply.
 Commercial and Skidmore, northeast corner, Portland No. 1, 6-inch supply.
 Commercial and Alberta, northeast corner, Phoenix, 6-inch supply.
 Commercial and Sumner, northeast corner, Phoenix, 6-inch supply.
 Commercial and Emerson, northeast corner, Phoenix, 6-inch supply.
 Haight and Blandena, northeast corner, Waterous, 4-inch supply.
 Haight and Humboldt, northwest corner, Waterous, 6-inch supply.
 Gantenbein avenue and Russell, southeast corner, Portland No. 1, 6-inch supply.
 Gantenbein avenue and Stanton, southeast corner, Phoenix, 6-inch supply.
 Gantenbein avenue and Fremont, northwest corner, Phoenix, 6-in. supply.
 Gantenbein avenue and Beech, northwest corner, Phoenix, 6-inch supply.
 Gantenbein avenue and Shaver, northwest corner, Phoenix, 6-in. supply.
 Gantenbein avenue and Mason, southeast corner, Phoenix, 6-inch supply.
 Gantenbein avenue and Skidmore, northeast corner, Phoenix, 6-in. supply.
 Gantenbein avenue and Fay, southwest corner, Phoenix, 6-inch supply.
 Gantenbein avenue and Humboldt, southwest corner, Phoenix, 6-inch supply.
 Gantenbein avenue and Alberta, southwest corner, Phoenix, 6-in. supply.
 Vancouver avenue and San Rafael, southeast corner, Phoenix, 6-inch supply.
 Vancouver avenue and Russell, southwest corner, Portland No. 1, 6-inch supply.
 Vancouver avenue and Knott, southwest corner, Portland No. 1, 6-inch supply.
 Vancouver avenue and Stanton, northwest corner, Phoenix, 6-in. supply.
 Vancouver avenue and Fargo, northwest corner, Waterous, 4-inch supply.
 Vancouver avenue and Beech, northwest corner, Waterous, 4-inch supply.
 Vancouver avenue and Shaver, northwest corner, Waterous, 4-inch supply.
 Williams avenue and Cherry, southeast corner, Willamette, 4-inch supply.
 Williams avenue and Broadway, southeast corner, Phoenix, 6-inch supply.
 Williams avenue and Hancock, northwest corner, Portland No. 1, 6-inch supply.
 Williams avenue and Tillamook, southwest corner, Portland No. 1, 6-inch supply.
 Williams avenue and Page, southwest corner, Portland No. 2, 6-inch supply.

HYDRANTS—Continued.

Williams avenue and Russell, southwest corner, Portland No. 2, 6-inch supply.
 Williams avenue and Graham avenue, southwest corner, Portland No. 2, 6-inch supply.
 Williams avenue and Morris, southwest corner, Portland No. 2, 6-inch supply.
 Williams avenue and Fargo, northeast corner, Phoenix, 6-inch supply.
 Williams avenue and Cook, northeast corner, Ludlow No. 1, 4-in. supply.
 Williams avenue and Fremont, northwest corner, Ludlow No. 1, 4-inch supply.
 Williams avenue and Failing, southeast corner, Ludlow No. 1, 4-inch supply.
 Williams avenue and Mason, southwest corner, Ludlow No. 1, 4-inch supply.
 Williams avenue and Alberta, northwest corner, Ludlow No. 2, 6-inch supply.
 Williams avenue and Sumner, northwest corner, Ludlow No. 2, 6-inch supply.
 Williams avenue and Emerson, northwest corner, Ludlow No. 2, 6-inch supply.
 Williams avenue and Killingsworth, southeast corner, Ludlow No. 2, 6-inch supply.
 Williams avenue and Highland, southwest corner, Waterous, 4-in. supply.
 Cleveland avenue and Monroe, northeast corner, Phoenix, 6-inch supply.
 Cleveland avenue and Cook, northeast corner, Phoenix, 6-inch supply.
 Cleveland avenue and Ivy, northeast corner, Phoenix, 6-inch supply.
 Cleveland avenue and Prescott, northeast corner, Waterous, 4-inch supply.
 Cleveland avenue and Mason, northeast corner, Phoenix, 6-inch supply.
 Cleveland avenue and Alberta, southwest corner, Phoenix, 6-in. supply.
 Rodney avenue and Fargo, northwest corner, Portland No. 1, 6-in. supply.
 Rodney avenue and Fremont, northwest corner, Portland No. 1, 6-inch supply.
 Rodney avenue and Shaver, northwest corner, Portland No. 1, 6-inch supply.
 Rodney avenue and Skidmore, northwest corner, Phoenix, 6-inch supply.
 Rodney avenue and Prescott, southeast corner, Ludlow No. 1, 4-inch supply.
 Rodney avenue and Going, northwest corner, Phoenix, 6-inch supply.
 Rodney avenue and San Rafael, southeast corner, Waterous, 4-inch supply.
 Rodney avenue and Eugene, southeast corner, Waterous, 4-inch supply.
 Rodney avenue and Graham avenue, southwest corner, Waterous, 4-inch supply.

HYDRANTS—Continued.

Rodney avenue and Morris, northeast corner, Phoenix, 6-inch supply.
 Rodney avenue and Maegley, northwest corner, Phoenix, 6-inch supply.
 Rodney avenue and Alberta, southwest corner, Phoenix, 6-inch supply.
 Ivy, bet. Rodney avenue and Union avenue, north side, Phoenix, 6-inch supply.
 Fargo, bet. Rodney avenue and Union avenue, north side, Phoenix, 6-inch supply.
 Monroe, bet. Rodney avenue and Union avenue, north side, Phoenix, 6-inch supply.
 Mallory avenue and Fremont, northwest corner, Ludlow No. 2, 6-inch supply.
 Mallory avenue and Beech, southwest corner, Ludlow No. 2, 6-inch supply.
 Mallory avenue and Mason, southeast corner, Phoenix, 6-inch supply.
 Mallory avenue and Alberta, southwest corner, Phoenix, 6-inch supply.
 Garfield and Beech, southeast corner, Ludlow No. 2, 6-inch supply.
 East First and Holladay avenue, northeast corner, Ludlow No. 1, 4-inch supply.
 East First and Irving, southeast corner, Portland No. 1, 6-inch supply.
 East First and Glisan, southeast corner, Portland No. 1, 6-inch supply.
 East First and Holladay, southeast corner, Portland No. 1, 6-inch supply.
 East Second and Halsey, northeast corner, Portland No. 1, 6-inch supply.
 East Second and Multnomah, southeast corner, Ludlow No. 1, 4-inch supply.
 East Second and Glisan, southeast corner, Phoenix, 6-inch supply.
 East Third and Hancock, northwest corner, Phoenix, 6-inch supply.
 East Third and Oregon, southwest corner, Phoenix, 6-inch supply.
 East Third and East Davis, southwest corner, Ludlow No. 1, 4-inch supply.
 East Third and East Burnside, southeast corner, Portland No. 1, 6-inch supply.
 Union avenue and East Ankeny, northeast corner, Ludlow No. 1, 4-inch supply.
 Union avenue and East Burnside, southwest corner, Portland No. 2, 6-inch supply.
 Union avenue and East Burnside, southeast corner, Portland No. 2, 6-inch supply.
 Union avenue and East Couch, southeast corner, Portland No. 2, 6-inch supply.
 Union avenue and East Davis, southeast corner, Portland No. 2, 6-inch supply.
 Union avenue and East Glisan, northeast corner, Portland No. 2, 6-inch supply.

HYDRANTS—Continued.

Union avenue and East Hoyt, northeast corner, Portland No. 2, 6-inch supply.
 Union avenue and East Irving, northeast corner, Portland No. 2, 6-inch supply.
 Union avenue and Oregon, northeast corner, Portland No. 2, 6-in. supply.
 Union avenue and Pacific, northeast corner, Portland No. 2, 6-in. supply.
 Union avenue and Holladay avenue, northeast corner, Ludlow No. 1, 4-inch supply.
 Union avenue and Multnomah, southeast corner, Ludlow No. 1, 4-inch supply.
 Union avenue and Clackamas, southeast corner, Phoenix, 6-in. supply.
 Union avenue and Weidler, southeast corner, Ludlow No. 1, 4-inch supply.
 Union avenue and Tillamook, southwest corner, Ludlow No. 1, 4-inch supply.
 Union avenue and Eugene, northwest corner, Phoenix, 6-inch supply.
 Union avenue and Sacramento, northwest corner, Ludlow No. 1, 4-inch supply.
 Union avenue and Russell, northwest corner, Ludlow No. 1, 4-inch supply.
 Union avenue and Stanton, northeast corner, Waterous, 4-inch supply.
 Union avenue and Morris, northwest corner, Waterous, 4-inch supply.
 Union avenue and Cook, northwest corner, Ludlow No. 1, 4-inch supply.
 Union avenue and Failing, southeast corner, Portland No. 1, 6-inch supply.
 Union avenue and Skidmore, southeast corner, Portland No. 1, 6-inch supply.
 Union avenue and Going, southwest corner, Waterous, 4-inch supply.
 Union avenue and Alberta, southwest corner, Portland No. 1, 6-inch supply.
 Union avenue and Mechanic, southeast corner, Ludlow No. 2, 6-inch supply.
 Union avenue and Garrett, southwest corner, Ludlow No. 2, 6-inch supply.
 Union avenue and Ainsworth, northwest corner, Ludlow No. 2, 6-inch supply.
 Union avenue and Colfax, northwest corner, Ludlow No. 2, 6-inch supply.
 Union avenue and Dekum, southwest corner, Ludlow No. 2, 6-inch supply.
 Grand avenue and Burnside, southwest corner, Portland No. 2, 6-inch supply.
 Grand avenue and Burnside, southeast corner, Portland No. 2, 6-inch supply.
 Grand avenue and Couch, southeast corner, Portland No. 2, 6-inch supply.
 Grand avenue and Davis, southeast corner, Portland No. 2, 6-inch supply.

HYDRANTS—Continued.

Grand avenue and Everett, southeast corner, Portland No. 2, 6-inch supply.
 Grand avenue and Glisan, southeast corner, Ludlow No. 1, 4-inch supply.
 Grand avenue and Oregon, northeast corner, Phoenix, 6-inch supply.
 Grand avenue and Holladay, southeast corner, Phoenix, 6-inch supply.
 Grand avenue and Broadway, southwest corner, Ludlow No. 1, 4-inch supply.
 Grand avenue and Wygant, northwest corner, Portland No. 1, 6-inch supply.
 Grand avenue and Killingsworth, southwest corner, Ludlow No. 2, 6-inch supply.
 Sixth and Burnside, southwest corner, Portland No. 2, 6-inch supply.
 Sixth and Burnside, southeast corner, Portland No. 2, 6-inch supply.
 Sixth and Davis, southeast corner, Ludlow No. 1, 4-inch supply.
 Sixth and Clackamas, southeast corner, Phoenix, 6-inch supply.
 Sixth and Halsey, northeast corner, Portland No. 1, 6-inch supply.
 Sixth and Broadway, southeast corner, Phoenix, 6-inch supply.
 Sixth and Beech, northeast corner, Waterous, 4-inch supply.
 Sixth and Shaver, southwest corner, Phoenix, 6-inch supply.
 Sixth and Mason, southwest corner, Phoenix, 6-inch supply.
 Sixth and Skidmore, southeast corner, Phoenix, 6-inch supply.
 Sixth and Alberta, southwest corner, Portland No. 1, 6-inch supply.
 Seventh and East Burnside, southwest corner, Portland No. 2, 6-inch supply.
 Seventh and Pacific, northeast corner, Ludlow No. 1, 4-inch supply.
 Seventh and Hassalo, northeast corner, Corey, 6-inch supply.
 Seventh and Multnomah, northwest corner, Phoenix, 6-inch supply.
 Seventh and Wasco, northeast corner, Corey, 6-inch supply.
 Seventh and Clackamas, southwest corner, Waterous, 4-inch supply.
 Seventh and Weidler, northeast corner, Corey, 6-inch supply.
 Seventh and Schuyler, northeast corner, Corey, 6-inch supply.
 Seventh and San Rafael, northwest corner, Phoenix, 6-inch supply.
 San Rafael, between Union and Seventh, north corner, Phoenix, 6-inch supply.
 Seventh and Tillamook, southwest corner, Phoenix, 6-inch supply.
 Seventh and Eugene, southwest corner, Portland No. 1, 6-inch supply.
 Eugene, between Union and Seventh, south corner, Portland No. 1, 6-inch supply.
 Seventh and Brazee, northwest corner, Phoenix, 6-inch supply.
 Brazee between Union and Seventh, north corner, Phoenix, 6-inch supply.

HYDRANTS—Continued.

Seventh and Knott, southwest corner, Phoenix, 6-inch supply.
 Seventh and Graham, southwest corner, Phoenix, 6-inch supply.
 Graham avenue between Union and Seventh, south corner, Phoenix, 6-inch supply.
 Seventh and Stanton, southwest corner, Phoenix, 6-inch supply.
 Stanton between Union and Seventh, south corner, Phoenix, 6-inch supply.
 Seventh and Siskiyou, southwest corner, Phoenix, 6-inch supply.
 Siskiyou between Union and Seventh, south side, Phoenix, 6-inch supply.
 Seventh and Klickitat, southwest corner, Phoenix, 6-inch supply.
 Seventh and Fremont, southeast corner, Corey, 6-inch supply.
 Seventh and Wygant, northwest corner, Portland No. 1, 6-inch supply.
 Eighth and East Burnside, southwest corner, Portland No. 2, 6-inch supply.
 Eighth and East Burnside, southeast corner, Waterous, 4-inch supply.
 Eighth and East Everett, southeast corner, Ludlow No. 1, 4-inch supply.
 Eighth and Hassalo, southeast corner, Phoenix, 6-inch supply.
 Eighth and Halsey, northeast corner, Portland No. 1, 6-inch supply.
 Eighth and Broadway, southwest corner, Ludlow No. 1, 4-inch supply.
 Eighth and Beech, northeast corner, Phoenix, 6-inch supply.
 Eighth and Failing, southeast corner, Portland No. 1, 6-inch supply.
 Eighth and Mason, southeast corner, Portland No. 1, 6-inch supply.
 Eighth and Alberta, southwest corner, Phoenix, 6-inch supply.
 Eighth and Ainsworth, southeast corner, Willamette, 4-inch supply.
 Eighth and Riggen, southeast corner, Phoenix, 6-inch supply.
 Eighth and Magnolia, southeast corner, Phoenix, 6-inch supply.
 Eighth and Dekum, northeast corner, Ludlow No. 2, 6-inch supply.
 Durham and Magnolia, southwest corner, Phoenix, 6-inch supply.
 Ninth and East Burnside, southeast corner, Portland No. 2, 6-inch supply.
 Ninth and East Davis, southwest corner, Willamette, 4-inch supply.
 Ninth and Holladay avenue, southeast corner, Ludlow No. 1, 4-inch supply.
 Ninth and Multnomah, southwest corner, Ludlow No. 1, 4-inch supply.
 Ninth and Clackamas, northeast corner, Corey, 6-inch supply.
 Ninth and Weidler, northeast corner, Corey, 6-inch supply.
 Ninth and Schuyler, northeast corner, Corey, 6-inch supply.
 Ninth and Hancock, northwest corner, Phoenix, 6-inch supply.
 Ninth and Thompson, southwest corner, Portland No. 1, 6-inch supply.

HYDRANTS—Continued.

Tenth and Broadway, southeast corner, Phoenix, 6-inch supply.
 Tenth and Beech, northeast corner, Phoenix, 6-inch supply.
 Tenth and Shaver, southwest corner, Phoenix, 6-inch supply.
 Tenth and Skidmore, southwest corner, Portland No. 1, 6-inch supply.
 Tenth and Going, southwest corner, Phoenix, 6-inch supply.
 Tenth and Wygant, northeast corner, Corey, 6-inch supply.
 Tenth and Alberta, southwest corner, Portland No. 1, 6-inch supply.
 Eleventh and East Burnside, southeast corner, Waterous, 4 in. supply.
 Eleventh and Multnomah, southwest corner, Phoenix, 6-inch supply.
 Eleventh and Hancock, northwest corner, Phoenix, 6-inch supply.
 Twelfth and East Burnside, southeast corner, Phoenix, 6-inch supply.
 Twelfth and East Couch, southeast corner, Ludlow No. 1, 4-inch supply.
 Twelfth and East Davis, southwest corner, Ludlow No. 1, 4-inch supply.
 Twelfth and East Irving, southeast corner, Portland No. 1, 6-inch supply.
 Twelfth and Wasco, northeast corner, Ludlow No. 1, 4-inch supply.
 Twelfth and Halsey, southeast corner, Phoenix, 6-inch supply.
 Twelfth and Broadway, southwest corner, Ludlow No. 1, 4-inch supply.
 Twelfth and Tillamook, northeast corner, Waterous, 4-inch supply.
 Twelfth and Beech, northeast corner, Phoenix, 6-inch supply.
 Twelfth and Failing, southeast corner, Portland No. 1, 6-inch supply.
 Twelfth and Mason, northwest corner, Portland No. 1, 6-inch supply.
 Twelfth and Prescott, southwest corner, Portland No. 1, 6-inch supply.
 Twelfth and Going, southwest corner, Phoenix, 6-inch supply.
 Twelfth and Alberta, southwest corner, Phoenix, 6-inch supply.
 Thirteenth and East Burnside, southeast corner, Ludlow No. 1, 4-inch supply.
 Thirteenth and East Couch, southeast corner, Phoenix, 6-inch supply.
 Thirteenth and Multnomah, northeast corner, Corey, 6-inch supply.
 Thirteenth and Clackamas, northeast corner, Corey, 6-inch supply.
 Thirteenth and Weidler, southeast corner, Corey, 6-inch supply.
 Thirteenth and Broadway, southeast corner, Phoenix, 6-inch supply.
 Thirteenth and Schuyler, southeast corner, Corey, 6-inch supply.
 Thirteenth and Hancock, northwest corner, Phoenix, 6-inch supply.
 Thirteenth and Thompson, southeast corner, Corey, 6-inch supply.
 Thirteenth and Shaver, southwest corner, Phoenix, 6-inch supply.
 Fourteenth and East Burnside, southeast corner, Phoenix, 6-inch supply.

HYDRANTS—Continued.

Fourteenth and Halsey, southeast corner, Phoenix, 6-inch supply.
 Fourteenth and Knott, northwest corner, Ludlow No. 2, 6-inch supply.
 Fourteenth and Stanton, southeast corner, Corey, 6-inch supply.
 Fourteenth and Siskiyou, southeast corner, Corey, 6-inch supply.
 Fourteenth and Beech, northeast corner, Phoenix, 6-inch supply.
 Fourteenth and Going, southwest corner, Phoenix, 6-inch supply.
 Fourteenth and Alberta, southwest corner, Portland No. 1, 6-inch supply.
 Fifteenth and Clackamas, southeast corner, Phoenix, 6-inch supply.
 Fifteenth and Broadway, southwest corner, Ludlow No. 1, 4-inch supply.
 Fifteenth and Hancock, northwest corner, Phoenix, 6-inch supply.
 Fifteenth and Tillamook, northeast corner, Waterous, 4-inch supply.
 Fifteenth between Knott and Stanton, east side, Corey, 6-inch supply.
 Fifteenth between Stanton and Siskiyou, east side, Corey, 6-inch supply.
 Fifteenth and Going, southwest corner, Waterous, 4-inch supply.
 Fifteenth and Alberta, southeast corner, Phoenix, 6-inch supply.
 Sixteenth and East Burnside, southeast corner, Phoenix, 6-inch supply.
 Sixteenth and East Davis, southeast corner, Ludlow No. 1, 4-inch supply.
 Sixteenth and Weidler, northwest corner, Ludlow No. 2, 6-inch supply.
 Sixteenth and Schuyler, northwest corner, Ludlow No. 2, 6-inch supply.
 Sixteenth and Stanton, southeast corner, Corey, 6-inch supply.
 Sixteenth and Siskiyou, southeast corner, Corey, 6-inch supply.
 Seventeenth and Multnomah, southeast corner, Phoenix, 6-inch supply.
 Seventeenth and Halsey, northwest corner, Phoenix, 6-inch supply.
 Seventeenth and Broadway, northwest corner, Phoenix, 6-inch supply.
 Seventeenth and Hancock, northwest corner, Phoenix, 6-inch supply.
 Seventeenth and Tillamook, southwest corner, Phoenix, 6-inch supply.
 Seventeenth between Knott and Stanton, east side, Corey, 6-inch supply.
 Seventeenth between Stanton and Siskiyou, east side, Corey, 6-inch supply.
 Seventeenth and Alberta, southeast corner, Phoenix, 6-inch supply.
 Eighteenth and East Burnside, southeast corner, Waterous, 4-inch supply.
 Eighteenth and Stanton, southeast corner, Corey, 6-inch supply.

HYDRANTS—Continued.

Eighteenth and Siskiyou, southeast corner, Corey, 6-inch supply.
 Nineteenth and Oregon, southeast corner, Ludlow No. 1, 4-inch supply.
 Nineteenth and Multnomah, southeast corner, Phoenix, 6-inch supply.
 Wasco between Seventeenth and Nineteenth, south side, Phoenix, 6-inch supply.
 Nineteenth and Clackamas, southeast corner, Portland No. 1, 6-inch supply.
 Halsey between Seventeenth and Nineteenth, south side, Phoenix, 6-inch supply.
 Nineteenth and Weidler, southwest corner, Corey, 6-inch supply.
 Nineteenth and Broadway, southeast corner, Phoenix, 6-inch supply.
 Nineteenth and Schuyler, southwest corner, Ludlow No. 2, 6-inch supply.
 Nineteenth and Hancock, northeast corner, Phoenix, 6-inch supply.
 Nineteenth and Tillamook, northeast corner, Waterous, 4-inch supply.
 Nineteenth between Knott and Stanton, east side, Corey, 6-inch supply.
 Nineteenth between Stanton and Siskiyou, east side, Corey, 6-inch supply.
 Nineteenth and Alberta, southeast corner, Phoenix, 6-inch supply.
 Twentieth and East Burnside, southeast corner, Waterous, 4-inch supply.
 Twentieth and East Irving, southwest corner, Ludlow No. 1, 4-inch supply.
 Twentieth and Siskiyou, southeast corner, Corey, 6-inch supply.
 Twentieth and Stanton, southeast corner, Corey, 6-inch supply.
 Twenty-first and Multnomah, southeast corner, Phoenix, 6-inch supply.
 Wasco between Nineteenth and Twenty-first, south side, Phoenix, 6-inch supply.
 Twenty-first and Clackamas, southeast corner, Phoenix, 6-inch supply.
 Twenty-first and Halsey, northeast corner, Portland No. 1, 6-inch supply.
 Twenty-first and Weidler, southwest corner, Corey, 6-inch supply.
 Twenty-first and Broadway, southeast corner, Ludlow No. 1, 4-inch supply.
 Twenty-first and Schuyler, southwest corner, Ludlow No. 2, 6-inch supply.
 Twenty-first and Tillamook, northeast corner, Phoenix, 6-inch supply.
 Twenty-first between Knott and Stanton, east side, Corey, 6-inch supply.
 Twenty-first between Stanton and Siskiyou, east side, Corey, 6-inch supply.

HYDRANTS—Continued.

Twenty-first and Alberta, southeast corner, Phoenix, 6-inch supply.
 Twenty-second and East Burnside, southeast corner, Phoenix, 6-inch supply.
 Twenty-second and East Davis, southeast corner, Phoenix, 6-inch supply.
 Twenty-second and East Oregon, southwest corner, Phoenix, 6-inch supply.
 Twenty-second and Multnomah, southeast corner, Phoenix, 6-inch supply.
 Wasco between East Twenty-first and Twenty-second, south side, Phoenix, 6-inch supply.
 Twenty-second and Clackamas, southeast corner, Portland No. 1, 6-inch supply.
 Twenty-second and Weidler, southwest corner, Corey, 6-inch supply.
 Twenty-second and Broadway, southeast corner, Phoenix, 6-inch supply.
 Twenty-second and Schuyler, southwest corner, Ludlow No. 2, 6-inch supply.
 Twenty-second and Tillamook, northeast corner, Phoenix, 6-inch supply.
 Twenty-second and Thompson, southwest corner, Portland No. 1, 6-inch supply.
 Twenty-second and Stanton, northeast corner, Corey, 6-inch supply.
 Twenty-third between Knott and Stanton, east side, Corey, 6-inch supply.
 Twenty-third and Going, southeast corner, Ludlow No. 2, 6-inch supply.
 Twenty-third and Wygant, southwest corner, Ludlow No. 2, 6-inch supply.
 Twenty-third and Alberta, southwest corner, Ludlow No. 2, 6-inch supply.
 Twenty-fourth and East Burnside, southeast corner, Ludlow No. 1, 4-inch supply.
 Twenty-fourth and East Davis, northeast corner, Portland No. 1, 6-inch supply.
 Twenty-fourth and East Flanders, northeast corner, Phoenix, 6-inch supply.
 Twenty-fourth and East Irving, northeast corner, Phoenix, 6-inch supply.
 Twenty-fourth and Multnomah, southeast corner, Phoenix, 6-inch supply.
 Twenty-fourth and Wasco, southwest corner, Phoenix, 6-inch supply.

HYDRANTS—Continued.

Twenty-fourth and Clackamas, southeast corner, Phoenix, 6-inch supply.
 Twenty-fourth and Weidler, southwest corner, Corey, 6-inch supply.
 Twenty-fourth and Weidler, northeast corner, Phoenix, 6-inch supply.
 Twenty-fourth and Schuyler, southeast corner, Ludlow No. 2, 6-inch supply.
 Twenty-fourth and Tillamook, northeast corner, Phoenix, 6-inch supply.
 Twenty-fifth and Oregon, southwest corner, Ludlow No. 2, 6-inch supply.
 Twenty-sixth and Multnomah, southeast corner, Phoenix, 6-inch supply.
 Twenty-sixth and Clackamas, southeast corner, Phoenix, 6-inch supply.
 Twenty-sixth and Hancock, northeast corner, Phoenix, 6-inch supply.
 Twenty-seventh and Wasco, southeast corner, Portland No. 2, 6-inch supply.
 Twenty-eighth and East Burnside, southeast corner, Portland No. 1, 6-inch supply.
 Twenty-eighth and East Couch, northeast corner, Ludlow No. 2, 6-inch supply.
 Twenty-eighth and East Davis, northwest corner, Portland No. 1, 6-inch supply.
 Twenty-eighth and East Flanders, northeast corner, Portland No. 1, 6-inch supply.
 Nelson and Randall, northwest corner, Waterous, 4-inch supply.
 Nelson and East Hoyt, southeast corner, Portland No. 1, 6-inch supply.
 Nelson and Sandy Road, southeast corner, Phoenix, 6-inch supply.
 Twenty-eighth and Holladay, southwest corner, Portland No. 1, 6-inch supply.
 Twenty-eighth and Broadway, southwest corner, Waterous, 4-inch supply.
 Twenty-ninth and East Everett, southeast corner, Ludlow No. 1, 4-inch supply.
 Twenty-ninth and East Irving, southwest corner, Portland No. 2, 6-inch supply.
 Thirtieth and East Flanders, southwest corner, Ludlow No. 1, 4-inch supply.
 Thirtieth and East Davis, southeast corner, Ludlow No. 1, 4-inch supply.
 Thirty-first and East Everett, southeast corner, Phoenix, 6-inch supply.

HYDRANTS—Continued.

Thirty-first and East Glisan, southeast corner, Ludlow No. 1, 4-inch supply.
 Thirty-first and Broadway, southeast corner, Phoenix, 6-inch supply.
 Thirty-seventh and Sandy Road, northeast corner, Corey, 6-inch supply.
 Thirty-seventh and Hancock, southeast corner, Corey, 6-inch supply.
 Seventy-sixth and East Burnside, northeast corner, Phoenix, 6-inch supply.
 Seventy-sixth and East Everett, southeast corner, Ludlow No. 2, 6-inch supply.
 Seventy-sixth and East Glisan, southwest corner, Ludlow No. 2, 6-inch supply.
 Knowels and Portland boulevard, northwest corner, Phoenix, 6-inch supply.
 Villard and Portland boulevard, northwest corner, Phoenix, 6-inch supply.
 Greeley and Portland boulevard, northwest corner, Phoenix, 6-inch supply.
 Greeley and Ainsworth avenue, northwest corner, Ludlow No. 1, 4-inch supply.
 Portland boulevard and Ainsworth avenue, northwest corner, Ludlow No. 1, 4-inch supply.
 Portland boulevard and Ainsworth avenue, northwest corner, Ludlow No. 2, 6-inch supply.
 Greeley and Killingsworth avenue, northwest corner, Ludlow No. 1, 4-inch supply.
 Peninsula avenue and Pippin, northeast corner, Phoenix, 6-inch supply.
 Peninsula avenue and Baldwin, southeast corner, Phoenix, 6-inch supply.
 Peninsula avenue and Terry, southeast corner, Phoenix, 6-inch supply.
 Peninsula avenue and Schofield, southeast corner, Phoenix, 6-inch supply.
 Peninsula avenue and Halleck, southeast corner, Phoenix, 6-inch supply.
 Oatman and Pippin, southeast corner, Ludlow No. 2, 6-inch supply.
 Knowels and Pippin, southeast corner, Ludlow No. 2, 6-inch supply.
 Dwight and East Davis, northeast corner, Ludlow No. 2, 6-inch supply.
 Fisk and Amherst, southwest corner, Phoenix, 6-inch supply.
 Fisk and Oberland, southwest corner, Phoenix, 6-inch supply.

HYDRANTS—Continued.

Fisk and Dawson, southwest corner, Ludlow No. 2, 6-inch supply.
Fisk and Vanderbilt avenue, southwest corner, Phoenix, 6-inch supply.
Fisk and Drew, southwest corner, Phoenix, 6-inch supply.
Fisk and Houghton, southwest corner, Phoenix, 6-inch supply.
Fisk and Howard, southwest corner, Phoenix, 6-inch supply.
Van Houtin avenue and Wills boulevard, northwest corner, Phoenix, 6-inch supply.
Van Houtin avenue and Houtin, southeast corner, Phoenix, 6-inch supply.
Van Houtin avenue and Walker, southeast corner, Phoenix, 6-inch supply.
Van Houtin avenue and Edwards, southeast corner, Phoenix, 6-inch supply.
Hodge and East Davis, northeast corner, Ludlow No. 2, 6-inch supply.
Portsmouth avenue and Amherst, northwest corner, Ludlow No. 2, 6-inch supply.
Portsmouth avenue and Howard, northwest corner, Ludlow No. 2, 6-inch supply.
Portsmouth avenue and Syracuse, northwest corner, Ludlow No. 2, 6-inch supply.
Portsmouth avenue and Oberland, northwest corner, Ludlow No. 2, 6-inch supply.
Portsmouth avenue and Dawson, northwest corner, Ludlow No. 2, 6-inch supply.
Portsmouth avenue and Willis boulevard, northeast corner, Ludlow No. 2, 6-inch supply.
Phoenix 165
Watrous 38
Portland No. 1..... 66
Portland No. 2..... 29
Ludlow No. 1..... 59
Ludlow No. 2..... 48
Corey 39
Willamette 4
Total number of hydrants in Northeast District.....448

	Southern.	North-ern.	North-eastern.	South-eastern.	Total.
Phoenix	28	89	165	112	394
Watrous	47	100	38	75	260
Portland No. 1.....	28	75	66	31	200

HYDRANTS—Continued.

	Southern	North-ern	North-eastern	South-eastern	Total
Portland No. 2.....	76	118	29	40	263
Ludlow No. 1.....	..	..	59	59	118
Ludlow No. 2.....	26	42	48	9	125
Corey	2	35	39	24	100
Willamette	99	71	4	23	197
Salem	1	..	..	..	1
Connection	1	..	..	..	1
Total	308	530	448	373	1659

ANNUAL REPORT

— OF THE —

WATER BOARD

Portland, Oregon, January 11, 1910.

The Water Board of the City of Portland.

Gentlemen: I respectfully submit for your consideration the following information concerning the water works of this city:

Cash Balance of Water Fund December 31, 1908.....	\$110,968.72
Cash receipts during the year 1909.....	570,730.60
Amount transferred from the Water Fund Bond Account to the Water Fund to reimburse the latter for advances towards the purchase of land for reservoirs and for surveys, etc., for the new pipe line as per Ordinances 19222 and 19732	76,525.44
Total	\$758,224.76

Disbursements during the year—

Interest on bonds	\$160,000.00
Payments into Sinking Fund.....	63,000.00
Operation and repairs, and purchase of meters	188,478.73
Construction account	94,712.52
New reservoirs and surveys for new pipe line	81,862.96— 558,054.21

CASH BALANCE OF WATER FUND, DECEMBER 31,	
1909	\$170,170.55

The items of the foregoing have been given in the monthly and quarterly reports heretofore submitted and published.

A statement of all the property, implements and material in the possession or control of the Board on December 31, 1909, and the approximate value thereof is herewith submitted. It shows that the value of pipes and other material available for extending mains, etc., is \$68,763.22.

It also shows that after deductions for depreciation the Meters may be valued at.....\$ 86,565.00
Implements and portable property..... 19,146.56

Total\$105,711.56

An increase of \$45,649.02 during the year because of purchases. Deducting this amount from the above cash disbursements, \$188,478.73, shows that the cost of operating and maintaining the water works during 1909 was 25 per cent of the receipts for water sold, the interest on bonds 28 per cent, and sinking fund 11 per cent, leaving a balance of 36 per cent available for improving and extending the water works.

The receipts for water sold in 1909 were 5.9 per cent less than in 1908.

During 1909 the meter rates were 20 per cent less than in 1908, but owing to the increase in the number of consumers the decrease in the receipts was only as above stated.

The accompanying statement shows details of receipts and expenditures during each of the 23 years that the city has owned and operated the water works, of which the following is a summary:

Gross earnings of Water Works.....\$ 7,969,673.60
Due from City for water for fire protection, sprinkling,
etc. 773,589.35

Cash receipts of Water Works.....\$ 7,196,084.25
Bonds sold by City of Portland.....\$2,900,000.00
Premium on bonds sold..... 222,200.70— 3,122,200.70

Total\$10,318,284.95

Expenditures.

Private water works purchased and im-
proved\$1,046,319.06
Gravity system and improvement..... 2,938,247.01
Extending mains (now 316.078 miles).... 1,815,700.88
Meters, tools, etc., on hand..... 105,711.56

Total cost of property.....\$5,905,978.51
Operation and repairs 1,374,511.72
Interest on Bonds 2,647,124.17
Payments into Sinking Fund..... 220,500.00— 10,148,114.40
Cash Balance on hand December 31, 1909.....\$ 170,170.55

The cash receipts for water sold have been expended as follows: For Operation and Repairs, 19.1 per cent; Interest on Bonds, 36.8 per cent; Sinking Fund, 3 per cent, and the remaining, less 2.4 per cent for Cash Balance, leaves 38.7 per cent net surplus for purchasing property, extending, mains, etc.

In brief, there has been a net surplus of \$2,783,777.81, which with the \$2,900,000 from bonds sold and the \$222,200.70 premium thereon, together with the \$250,000 "East Portland bonds," has enabled the city to acquire a water works system costing \$5,905,978.51.

Before the consolidation of the City of East Portland with the City of Portland the former city had issued \$250,000 of 6 per cent bonds for constructing water works. After consolidation these water works were turned over to the Water Board and the latter required to pay the interest on the bonds.

During the year 1903, soon after the present Charter took effect, the entire property controlled by the Water Board was appraised at \$6,516,000 by the appraisers employed by the City to appraise all its property.

Since then the Water Board has added to said appraised value \$1,156,049.64 by expenditures for extending distributing mains, \$207,895.40 for improving reservoirs, \$49,111.21 for purchase of Mt. Tabor, Piedmont and Woodlawn water works, \$28,735.63 for purchase of site and erection of building for branch water office in East Portland, \$2,000 for purchase of site for Vernon stand pipe, and \$5,859 for rebuilding the auxiliary pump station in Albina. This would make the present value \$7,965,650.88, provided the appraisement in 1903 was correct.

It is possible that the increase in the value of the real property will offset whatever depreciation there may have been in the water mains, etc.

Property has not been taxed in any manner for water purposes and the annual charges to the City for water for fire protection, street sprinkling and other municipal purposes, now amounting to \$773,589.35, which the Charter says should be made, have never been paid from the General Fund into the Water Fund.

The charges of this city for water, \$12 per annum schedule rate for an average dwelling, and meter rates per 1,000 gallons of 16½ cents for the first 4,500 gallons, 13½ cents for the next 150,000 gallons, and 10½ cents for quantities over 154,500 gallons, compare favorably with the average charges of 374 other cities, which are, respectively, as follows: Schedule rate, \$13.18, and meter rates 26 cents for smallest quantities, and 9 cents for largest.

There are now 12,617 meters in use; 33.9 per cent of all places supplied with water from the city mains are metered. Of the 23,291 dwellings, 43.2 per cent are metered, principally those where water is likely to be used wastefully in sprinkling or otherwise; 60 per cent of the factories and all other places are metered.

The number of dwellings, stores, factories and other places using and paying for water from the city mains during December, 1909, was 37,120, an increase of 3,978, or 12 per cent during the year, which shows the growth of the city.

In addition to the above 37,120 places, there are 3,008 dwellings in the suburbs annexed to the city during 1909 as yet supplied with water from private plants, but which will be supplied from city mains as soon as they can be extended.

The following is a statement of the property, implements and material in your possession or control pertaining to the water works on December 31, 1909, together with the approximate value thereof:

Real Property.

	Acres.
Block 32, Seventh and Lincoln streets, Portland.....	1.00
Block K, lots 6 and 7, and part of lot 5, Greenway Addition..	.51
Block 150, Fourth and Market streets, Portland.....	.25
Block 139, lot 8, East Portland, with office building.....	.11
Tract foot of Sherman street, Portland.....	.50
Tract foot of Stevens street, Portland.....	.60
Tract near City Park	63.10
One tract for water tanks, Portland Heights.....	.04
One tract for water tanks, Willamette Heights.....	.06
Block 73, Albina	1.00
Part of block 26, Albina	.17
Part of block 6, Maegley Highland, Albina.....	.10
Part of lot B, Patton Tract, Portland.....	.90
Tract East Twentieth and Prescott streets, Vernon, stand pipe, Portland	2.34
Tract near Palatine pump, Multnomah County.....	21.00
Tract for high service reservoir, Mt. Tabor.....	5.75
Tract for low service reservoir, Mt. Tabor.....	10.00
Tract for stand pipe near Lusteds	.50
Tracts near headworks and pipe line in Clackamas and Multnomah Counties	4,320.00
Total number of acres	4,427.93

MATERIAL FOR MAINS.

Cast iron pipes, 1,106.40 tons @ \$39.00.....	\$ 43,149.60
Steel riveted pipe, 35-inch and 42-inch, 250 feet @ \$3.00....	750.00
Submerged pipe, 24-inch, 72 feet @ \$8.50.....	612.00
Kalamein pipe, 12-inch, 144 feet @ \$1.75.....	252.00
Wrought iron pipe, 6 and 8-inch, 1,000 feet @ 10c (old)...	100.00
Wrought iron pipe, 2 and 2½-inch, 1,750 feet, @ 3c (old)...	52.50
Cast iron specials, 340,955 pounds, @ 4c.....	13,638.20
Kalamein specials, 1,035 pounds, @ 6c.....	62.10
Gates	3,136.07
Patent gates	6,534.75
Curb cock, gate and meter boxes.....	278.00
Pig lead, 3,600 pounds, @ 5½c.....	198.00
Total	\$ 68,763.22

IMPLEMENTS AND PORTABLE PROPERTY.

Meters.

¾-inch, 12,409 @ \$ 6.08.....	\$75,442.20
¾-inch, 460 @ 9.33.....	4,290.00
1 -inch, 384 @ 12.37.....	4,748.40
1½-inch, 5 @ 27.00.....	135.00
2 -inch, 42 @ 43.20.....	1,814.00
4 -inch, 1 @ 135.00.....	135.00—\$ 86,565.00
Tools and material at toolhouse.....	946.65
Tools, materials, etc., as per inventory.....	18,199.91— 19,146.56

Total of implements and portable property.....\$105,711.56

WATER FUND BOND ACCOUNT.

Charter amendment passed June 3, 1907, provided for the issue of not to exceed \$3,000,000 25-year, 4 per cent water bonds, "for the construction of an additional conduit from Bull Run River, for the purchase of land for and the construction of reservoirs necessary in connection therewith, and for the purchase of water meters and for the installation of a meter system."

Receipts.

Water bonds sold	\$250,000.00	
Premium on bonds	5,217.50	—\$255,217.50

Disbursements.**Surveys and Explorations—**

Transferred to Water Fund as per		
Ordinance 19222	\$ 3,631.21	
Transferred to Water Fund as per		
Ordinance 19732.....	841.43—\$	4,472.64

Land for Reservoirs—

Transferred to Water Fund as per		
Ordinance 19222	71,710.00	
Transferred to Water Fund as per		
Ordinance 19732	342.80	
Appropriation passed by the Council,		
Ordinance 19262.....	62,700.00—	134,752.80—\$139,225.44

CASH BALANCE OF WATER FUND BOND AC-
COUNT DECEMBER 31, 1909.....\$115,992.06

The above transfers to the Water Fund were made to reimburse it for amounts advanced for the purchase of land and surveys shortly before the sale of the \$250,000 of bonds.

Respectfully,

FRANK T. DODGE, Superintendent.

STATEMENT

Of all the Earnings, Receipts and Disbursements by the Water Committee of the City of Portland, Oregon, and its successor, in 1903, the Water Board from November 25, 1885, when the Committee was appointed by Act of the Legislature, until December 31, 1909:

November 25, 1885, when the Committee was appointed by Act of the Legislature, until December 31, 1909 :																											
EARNINGS AND RECEIPTS	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	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	\$ 234,066.45	\$ 268,492.65	\$ 249,919.90	\$ 268,926.10	\$ 289,363.45	\$ 301,481.75	\$ 323,842.15	\$ 320,230.15	\$ 385,812.05	\$ 433,781.70	\$ 497,408.35	\$ 568,992.50	\$ 639,063.80	\$ 656,259.00	\$ 620,730.60	\$ 7,969,673.60	\$ 7,969,673.60	\$ 7,969,673.60	
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	37,844.30	38,996.70	39,217.40	40,335.45	47,759.65	55,171.80	50,000.00	50,000.00	50,000.00	50,000.00	778,589.35	778,589.35	778,589.35
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	231,800.95	250,762.70	264,269.65	285,997.85	281,233.45	346,594.65	393,446.25	449,648.70	513,820.70	569,531.10	606,259.00	570,730.60	142,829.71	5,821,572.53	5,821,572.53	
Deduct operating expen's and repairs		47,000.77	54,792.44	51,407.17	71,496.85	63,993.28	58,832.27	63,357.32	62,094.28	38,939.27	36,894.08	36,585.02	33,383.55	39,964.00	39,152.59	35,890.96	46,240.06	51,158.56	56,894.55	59,705.67	60,000.00	108,306.95	108,306.95	427,900.89	106,711.56	106,711.56	
Deduct increase of property in hands of operating department		50,501.94	58,899.62	96,699.14	109,813.55	150,224.67	178,468.58	164,143.50	148,083.17	197,018.18	179,177.77	195,275.93	217,379.15	224,305.65	246,845.26	245,342.49	300,354.59	342,287.69	392,754.15	454,115.03	482,456.94	497,950.65	45,649.02	382,251.87	5,715,890.97	5,715,890.97	
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	204.88	1,137.22	1,572.12	3,142.40	11,766.09	238.35	11,700.44	509,651.09	160,000.00	222,251.87	2,647,124.17	2,647,124.17	
Deduct interest on bonds		47,224.63	55,729.59	96,376.16	101,298.06	147,296.31	177,068.45	167,738.41	155,007.83	196,692.48	167,000.00	209,116.64	218,003.77	219,337.54	246,640.38	246,479.71	298,782.47	339,145.29	380,988.06	453,876.68	482,243.64	509,651.09	160,000.00	222,251.87	3,068,736.80	3,068,736.80	
Deduct for Sinking Fund		25,000.00			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	160,000.00	160,000.00	160,000.00			293,876.68	31,500.00	63,000.00	63,000.00	2,848,236.80	2,848,236.80	2,848,236.80	
Net earnings used for extending mains and construction																									2,900,000.00	2,900,000.00	
Water bonds sold																									222,200.70	222,200.70	
Premium on bonds	500,000.00	22,224.63	30,729.59	66,376.16	112,296.31	142,068.45	127,288.91	67,069.46	56,706.18	22,000.00	64,116.64	73,003.77	59,337.54	86,640.38	86,479.71	138,782.47	179,145.29	220,988.06	262,376.68	262,376.68	262,376.68	262,376.68	262,376.68	262,376.68			
Totals	539,300.00	22,224.63	30,729.59	66,376.16	112,296.31	142,068.45	127,288.91	67,069.46	56,706.18	22,000.00	64,116.64	73,003.77	59,337.54	86,640.38	86,479.71	138,782.47	179,145.29	220,988.06	262,376.68	262,376.68	262,376.68	262,376.68	262,376.68	262,376.68			
DISBURSEMENTS																											
Water Works purchased		464,551.81																								771,833.41	771,833.41
Additional pumps and mains from Palatine																										279,046.13	279,046.13
Deduct property sold		464,551.81																								1,060,879.54	1,060,879.54
Net cost of pumping systems																										4,560.48	4,560.48
Distribution system, extending mains																										1,046,319.06	1,046,319.06
Office and other buildings																										1,815,700.88	1,815,700.88
BULL RUN GRAVITY SYSTEM																										24,235.63	24,235.63
Surveys and explorations																										9,688.40	9,688.40
Land, rip'an rights and rights of way																										61,741.91	61,741.91
Clearing and roads																										33,046.35	33,046.35
Head works on Bull Run river																										57,245.92	57,245.92
Steel plates for conduit, head works to Mt. Tabor, 24 miles																										377,312.30	377,312.30
Manufacturing and laying ditto																										509,945.72	509,945.72
Bridges for conduit across Sandy and Bull Run rivers																										57,146.22	57,146.22
Manufacturing and laying cast iron conduit, Mt. Tabor to Park, 6 miles																										288,588.70	288,588.70
Submerged pipes across Willa'te river																										132,651.51	132,651.51
Reservoirs (4) including land																										1,194,755.94	1,194,755.94
Portland Heights supply, water power pumps, etc.																										34,476.04	34,476.04
Telephone line to head works, 30 mi.																										7,261.51	7,261.51
General expenses																										81,116.53	81,116.53
BULL RUN CONDUIT No. 2																										2,804,977.65	2,804,977.65
Surveys and explorations																										510.35	510.35
Land for reservoirs																										261.80	261.80
Reservoir No. 5																										7,521.91	7,521.91
Reservoir No. 6																										333.37	333.37
New pipe line																										806.30	806.30
Totals	485,427.85	53,596.28	52,024.85	159,098.52	201,259.24	99,633.04	145,156.88	527,772.98	1,736,897.14	257,192.04	70,259.98	63,979.30	55,021.89	43,489.24	75,258.20	24,760.40	250,409.05	143,342.70	279,323.26	145,424.35	322,307.96	316,638.00	175,288.50	103,746.25	170,170.55	5,970,437.50	5,970,437.50
Nov. 31, 1909, available for construction																											

Amounts invested are: \$1,046,319.06 for purchase of pumping systems and additions; \$1,815,700.88 for extending distribution system; \$24,235.63 for office and other buildings; \$2,904,977.65 for Bull Run Gravity System, and \$170,170.55 cash on hand as above.
 * After deducting from account "Premium on Bonds" \$7,500.00 being 2½ per cent. discount on bonds sold in 1893.
 † After deducting from account "Steel Plates" \$1,262.08 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.

Gravity System was substituted for pumping January 1, 1895. The water rates have been reduced several times and are now about one third those charged by the private corporation which formerly supplied water to the City.
 x Rates reduced.

Charter Amendment passed June 3, 1907 provided for the issue of not to exceed \$3,000,000.00, 25 year, 4 per cent. water bonds, "for the construction of an additional conduit from Bull Run River, for the purchase of land for and the construction of reservoirs necessary in connection therewith, and for the purchase of water meters and for the installation of a meter system."

FRANK T. DODGE,
 Superintendent Water Department.

RECEIPTS	1909	Totals	Totals	Grand Totals
Water bonds sold	\$ 250,000.00		\$ 250,000.00	
Premium on bonds	5,217.50		5,217.50	
Totals	255,217.50			255,217.50
DISBURSEMENTS				
Surveys and explorations	4,472.64		4,472.64	
Land for reservoirs	134,752.80		134,752.80	
Totals	139,225.44		139,225.44	
Balance in hands of Treasurer December 31, 1909, available for construction and purchases during 1910.			115,992.06	255,217.50

CONSTRUCTION DEPARTMENT.

Engineer's Office—Water Department.

Portland, Oregon, January 11, 1910.

The Water Board, City of Portland, Oregon.

Gentlemen: The following report of construction operations under my direction for the year ending December 31, 1909, is respectfully submitted for your consideration:

Extending Mains.

From an examination of the accompanying tables it will be seen that few mains have been laid during the year under review. The total being:

Total 2-inch pipe.....	1,028 lineal feet
Total 6-inch pipe.....	13,305 lineal feet
Total 8-inch pipe.....	35,680 lineal feet
Total 10-inch pipe.....	20 lineal feet
Total 12-inch pipe.....	<u>5,444 lineal feet</u>

Total all sizes, 2-inch to 12-inch.....55,477 lineal feet

This falling off in the mileage of mains laid is not due to the need being less urgent than in former years (for the contrary is really the case), but rather to the failure to get the work done under the present plan of procedure of laying water mains by contract.

Total mains laid during year of all sizes..55,477 feet or 10.507 miles

Total mains relaid with larger sizes.....12,698 feet or 2.405 miles

Net increase in mileage during year..42,779 feet or 8.102 miles

Subdivided as follows:

West Side District.....	1.217 miles
East Side District.....	3.126 miles
Albina	<u>3.759 miles</u>

Total 8.102 miles

Total amount expended by Water Board during year account extending and repairing mains, \$50,378.62.

Total mains laid by Water Board.....	2.254 miles
Total mains laid by contract.....	7.818 miles
Private	0.435 miles

Total10.507 miles

In addition to the foregoing, contracts have been let and the work is now being prosecuted amounting to:

	Miles.	Contract Price.
Total 6-inch mains.....	1.066	\$ 6,894.75
Total 8-inch mains.....	7.009	65,577.21
Total 12-inch mains.....	0.767	12,255.60
Totals	8.842	\$84,727.56

The following is a list of large mains for reinforcement and fire protection purposes for which estimates have been prepared during the year, but the work has not yet reached the contracting stage:

	Length, Diam. Feet. Main.	
Ford street, Park avenue to Washington street.....	770	18
Cornell road and Twenty-fourth street, Washington to Lovejoy	2,500	16
Grand avenue and Everett to Hoyt, thence to Sixth and along Sixth to Hancock.....	4,385	16
Washington street, Ford to Twenty-second.....	465	12
Thirteenth street, Jefferson to Hall, thence along Hall, Twelfth and College to Seventh and College.....	3,645	12
Hoyt street, Fourth to Fourteenth.....	2,635	12
Nineteenth street, Thurman to Sherlock.....	946	12
Union avenue, Hancock to Killingsworth.....	9,500	12
Washington street, King to Nineteenth.....	1,300	10
Total feet	26,146	

Or a total of 4.952 miles.

Of smaller sizes a total of 33.298 miles have been included in the projects for mains to be laid principally in advance of proposed hard surface pavements, a comparatively small number being in response to petitions.

The following is a summary of estimates prepared during the year in addition to the mains already placed under contract:

	Miles.	Estimated Cost.
Total 4-inch mains.....	1.445	\$ 4,196.50
Total 6-inch mains.....	3.314	27,160.19
Total 8-inch mains.....	27.318	244,399.21
Total 10-inch mains.....	0.443	7,579.20
Total 12-inch mains.....	4.203	70,646.74
Total 16-inch mains.....	1.311	28,032.65
Total 18-inch mains.....	0.146	5,388.90
Total 20-inch mains.....	0.070	2,022.12
Totals	38.250	\$389,425.51

Repair of 28-inch Submerged Pipe.

On April 10th a break occurred in the 28-inch cast iron submerged pipe crossing the Willamette River from the foot of Stephens Street on the East Side to the foot of Mill Street on the West Side.

This main is one of the two pipes supplying the West Side District, and was laid in 1894, the second pipe being a 24-inch steel main laid in 1898.

The break was finally located at a point about 100 feet east of the east-harbor line, at a point on the 30-foot right-of-way purchased for the purpose of laying this pipe.

The original trench was about 8 feet in depth below the bed of the river, but owing to the fact that dredged material deposited upon the adjacent property had encroached upon the pipe line right-of-way, covering the pipe to a depth of approximately 16 feet, considerable difficulty was encountered in uncovering the pipe in order to repair the break. Dredging operations for the purpose of uncovering the pipe required several weeks' time. When uncovered one of the pipe sections was found to have been cracked nearly its full length and the ends separated for a distance of several feet by the force of the water jet. Repairs were made by securing the two broken ends of the pipe and encasing one entire length in a steel split sleeve, constructed especially for this purpose. After placing the sleeve in position the space between the inner surface of the sleeve and the pipe was filled with cement grout.

Repairs were completed and the main tested, ready for service, on October 11, 1909.

Total expenditures on account of this work amounted to \$10,750.16.

Reservoirs—

Council Crest Standpipe.

The steel standpipe and the electric motor and pump installed for the supply of the Council Crest District were completed June 8, 1909, and were placed in service on that date.

Capacity of Pump, 220,000 gallons in twenty-four hours.

Diameter of Standpipe, feet.....	20
Height of Standpipe, feet.....	40
Elevation of Overflow (above City base), feet.....	1,096.5
Capacity, gallons	60,000
Total cost of Standpipe.....	\$2,003.00
Total cost of Pump and Motor.....	990.65
Total cost of Pump House.....	1,114.20
Total cost of 1,056 feet of 6-inch Force Main.....	1,375.51

Total\$5,483.36

Reservoirs No. 1 and No. 2 at Mt. Tabor.

These reservoirs have been in use uninterruptedly during the year.

The relining of Reservoir No. 2, in order to prevent seepage, has been referred to in a former report. This work has not yet been undertaken, the loss of water being regarded as insufficient at present to justify the expense.

Reservoirs No. 3 and No. 4 at City Park.

These reservoirs have been in constant use during the year, excepting during a few days in April when they were placed out of commission for the purpose of being cleaned. This is the first time the reservoirs have been emptied since the completion of the repairs in 1905—a period of over four years. Only a small amount of sediment had collected and the reservoir linings were found to be in perfect condition.

Drainage Tunnels, Sliding Land Tract.

The work on the concrete lining for the drainage tunnels under the sliding land west of the City Park has been in progress during the entire year. The main portion of the work on these tunnels has now been completed. There remain to be constructed, however, concrete linings for several of the shafts together with the accompanying catch basins and the backfilling of the tunnels for a length of about 850 feet. This work should be completed early during the coming year.

The drainage from the tunnels has been observed at regular intervals, as in former years. The flow has been found to range from a minimum of 9,000 gallons to a maximum of 90,000 gallons per day or, approximately, the same as in former years.

Surveys of the sliding land tract have been made each quarter during the year.

Stations observed	250
Number of measurements taken	1,000
Average movement during the year at 49 stations situated along the central portion of the original sliding ground, inches..	0.615
Or practically the same as the movement recorded for the year 1908.	

Total expenditures during the year on account of Reservoirs Nos. 1, 2, 3 and 4, relining of tunnels and surveys....\$14,614.91

Reservoirs No. 5 and No. 6, Mt. Tabor.

Early in the year 1909 steps were taken by the Water Board to secure necessary lands for the site of additional storage reservoirs in the vicinity of Mt. Tabor. Negotiations commenced for this purpose have resulted in securing several tracts of land, aggregating approximately 42 acres, situated upon the west slope of Mt. Tabor between West Avenue and the summit of the mountain.

As a result of surveys made for this purpose two storage reservoirs have been located within the limits of the above described tract; one to be known as Reservoir No. 5 and having a capacity of 50,000,000 gallons being located about seven hundred feet northwesterly from present Reservoir No. 1, the water surface to be at the same elevation as that of the present Reservoir No. 1, with which it is to be connected by a concrete lined tunnel.

The second reservoir to be called Reservoir No. 6, with a capacity of 75,000,000 gallons, is to be constructed adjacent to West Avenue at elevation 305.

Proposals for the excavation and concrete work for these reservoirs were received by the Water Board on October 4th, and the award was made to Robert Wakefield & Company of Portland, for the sum of \$444,760.00.

The contract provides that Reservoir No. 5 shall be completed on or before July 1, 1910, and No. 6 on or before October 31, 1910.

The contractors commenced work promptly and the construction of both reservoirs is now under way.

On November 9th bids were opened for furnishing 9,840 lineal feet of steel pipe for water mains and overflow pipes connecting the two new reservoirs with each other and with the present distribution system, and on November 18th the award was made to the East Jersey Pipe Company, of Paterson, N. J., for the sum of \$40,071.50. This material is contracted to be delivered on or before March 15, 1910.

The expenditures on account of proposed new reservoirs have been as follows:

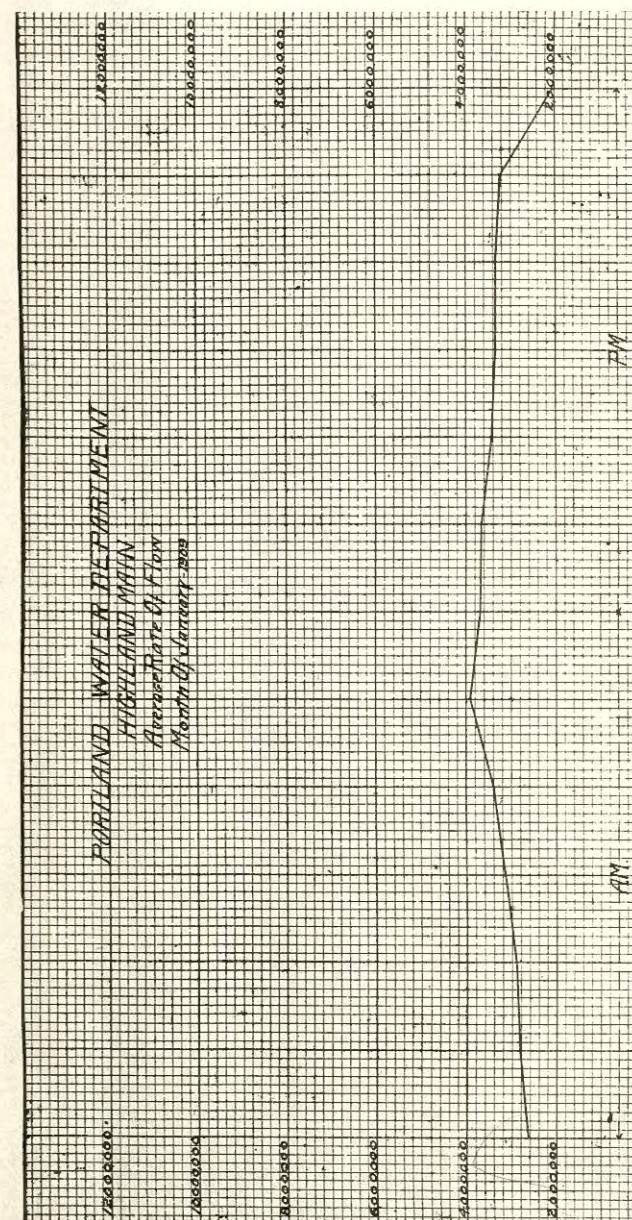
Lands	\$134,114.60
Construction	10,448.36
Total	\$144,562.96

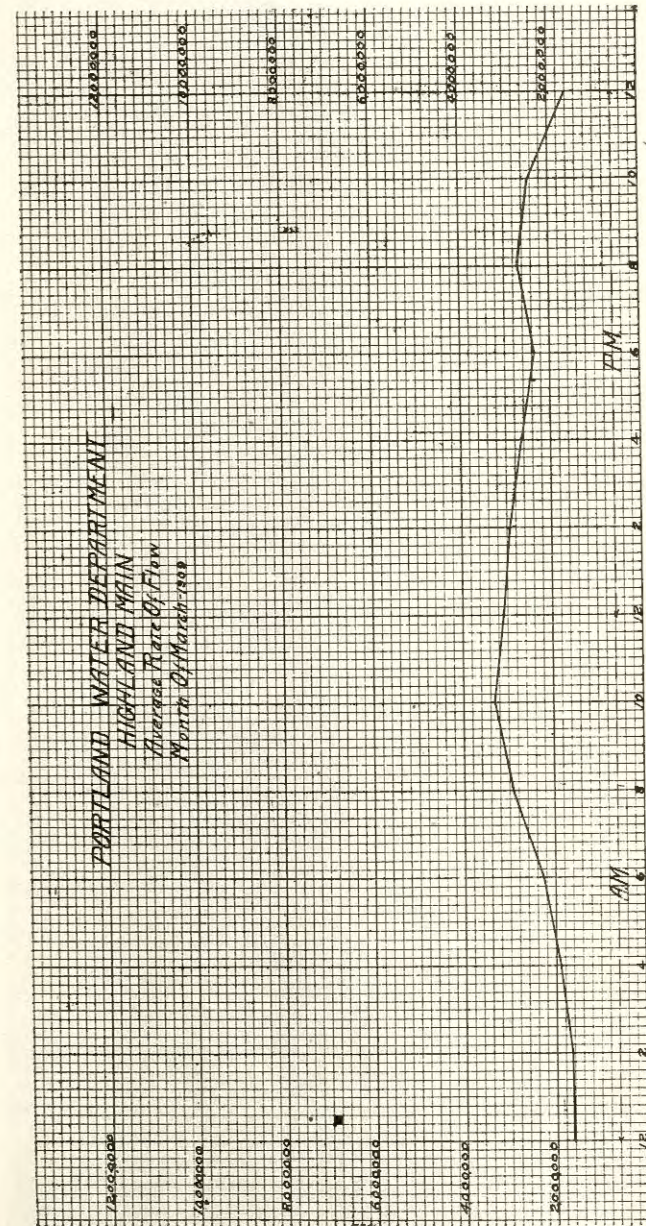
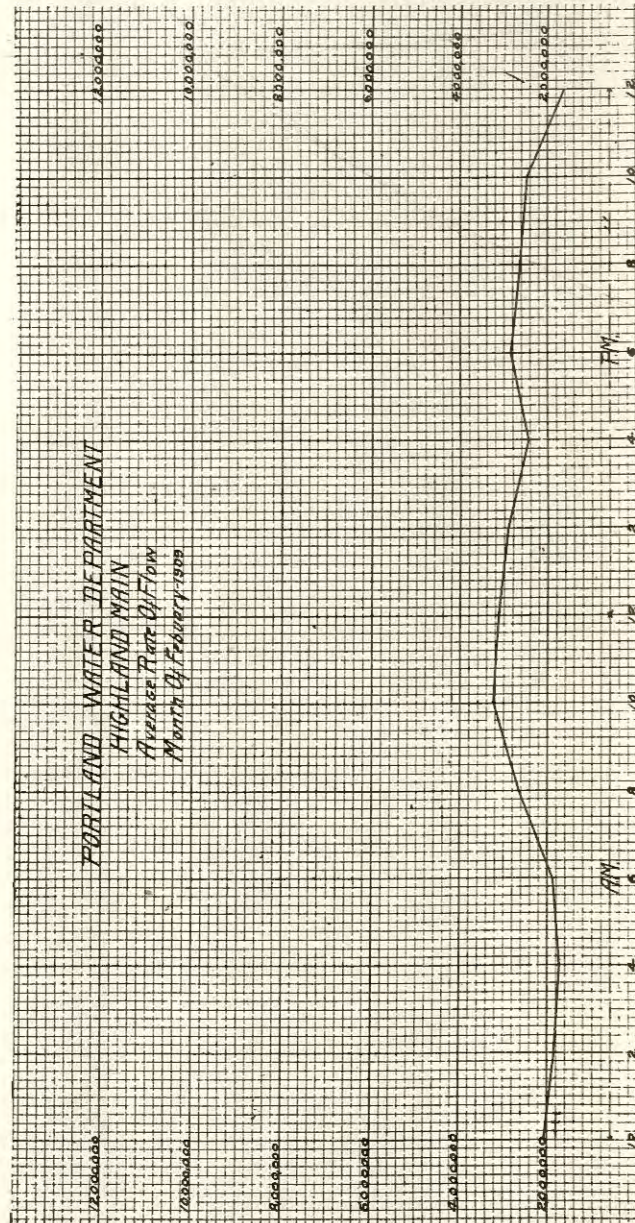
Consumption of Water—

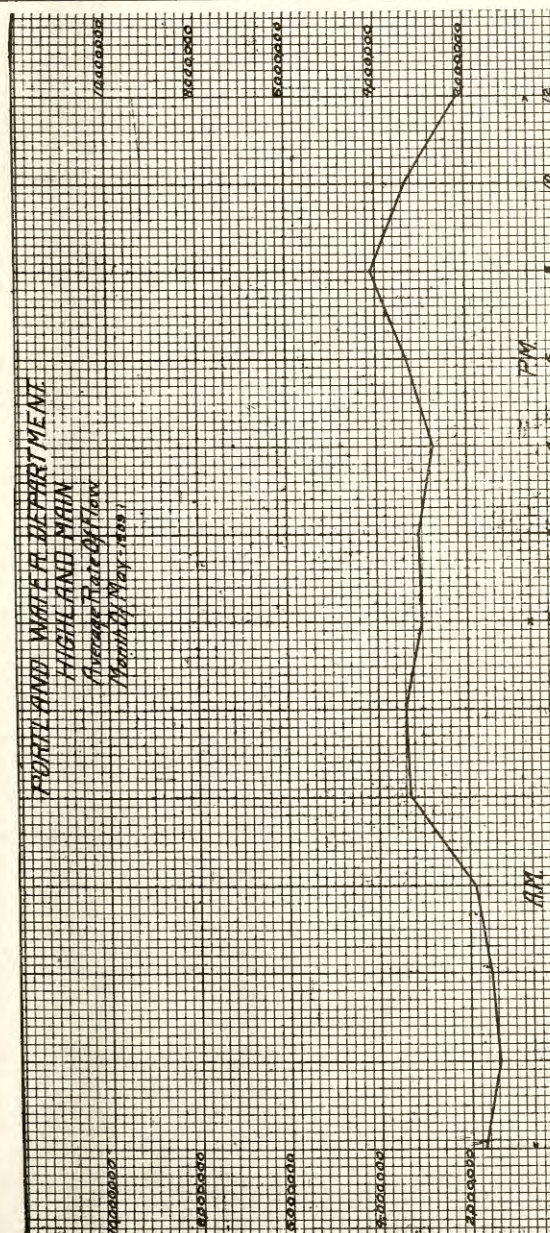
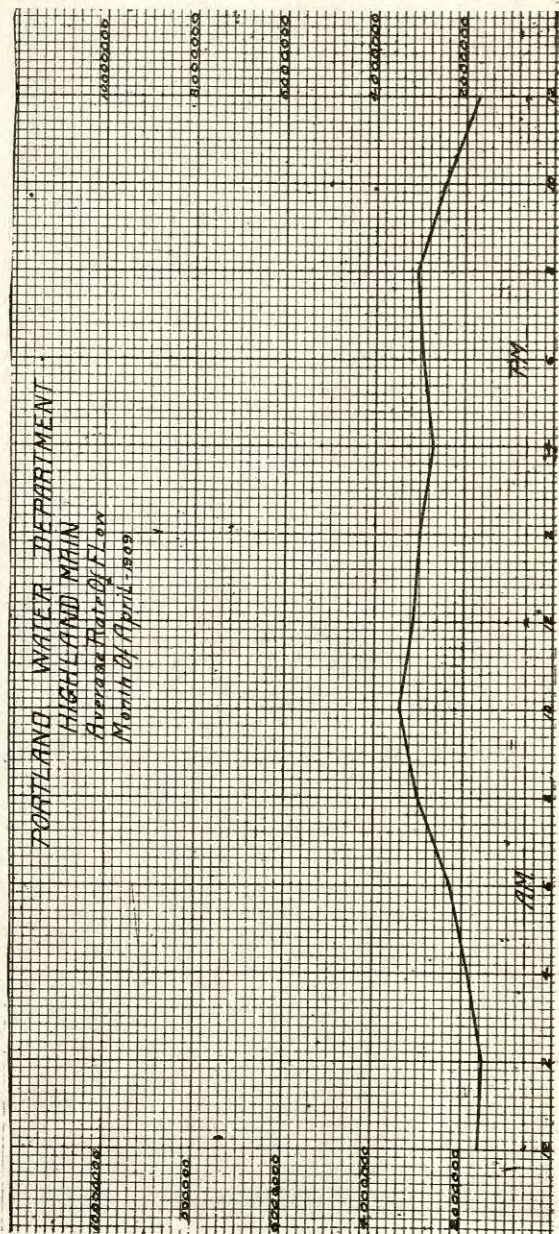
During the year readings of the meter connected with the 24-inch Highland main have been made at bi-hourly intervals during the day and night. From these readings a diagram has been prepared showing the daily rate of flow for each month of the year. For the purpose of comparison a diagram showing the flow during the month of July, 1908, is shown in connection with that for the month of July, 1909. (See page .)

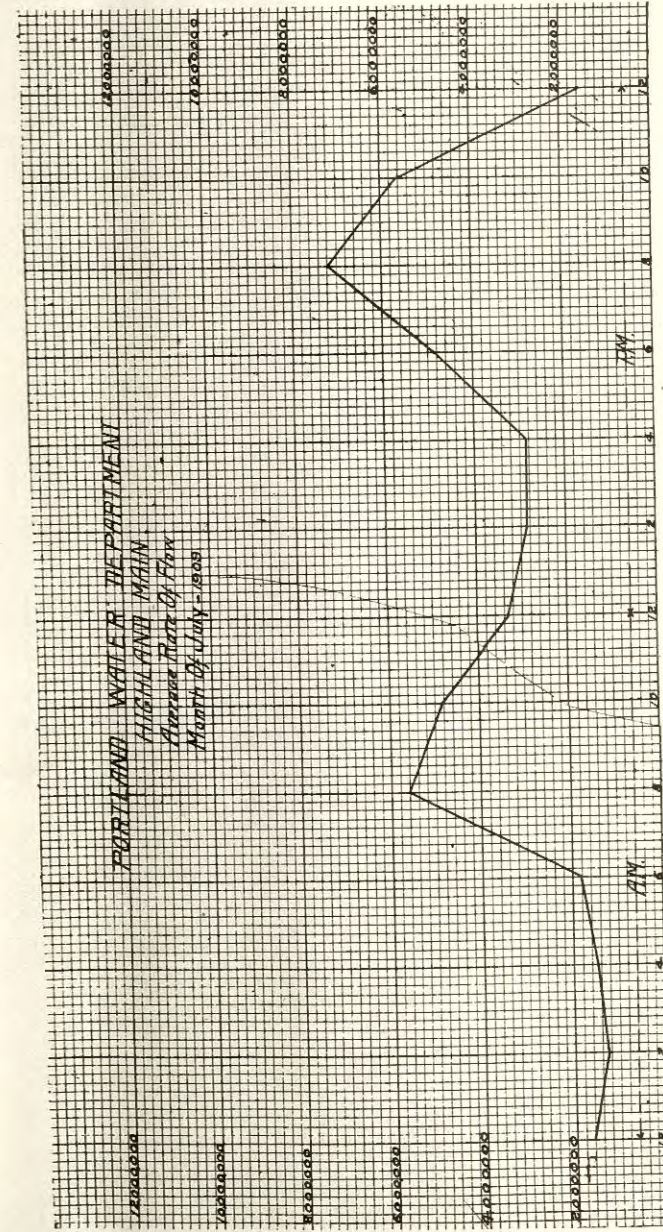
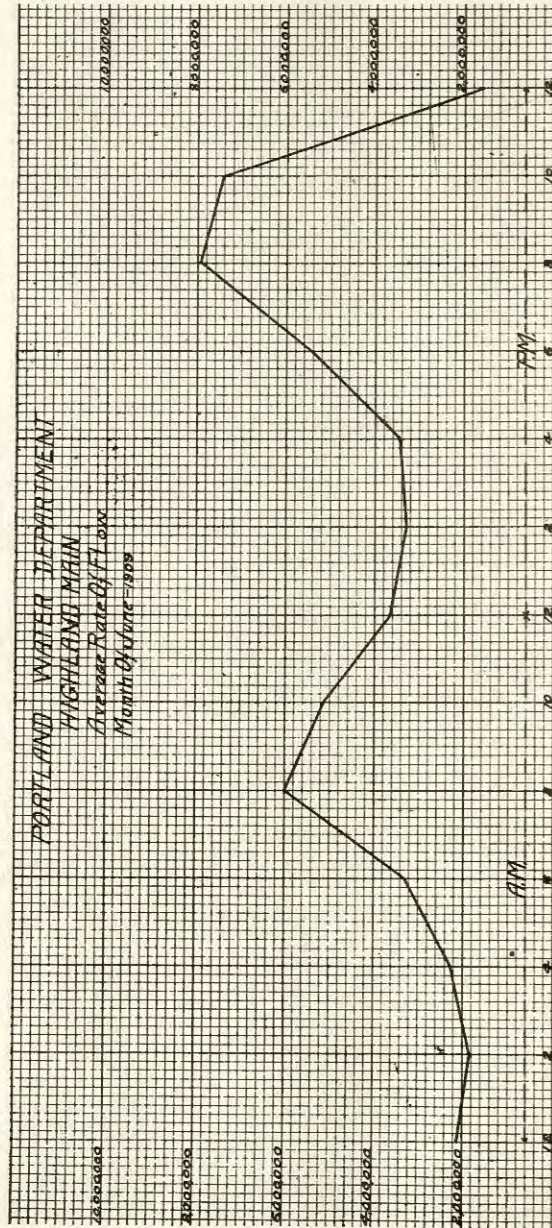
For the East Side high service district, which is supplied through the 24-inch main with which the meter is connected, the total services—13,595—have been taken and multiplied by 5.3, giving a total of 72,100 as the estimated population of the district.

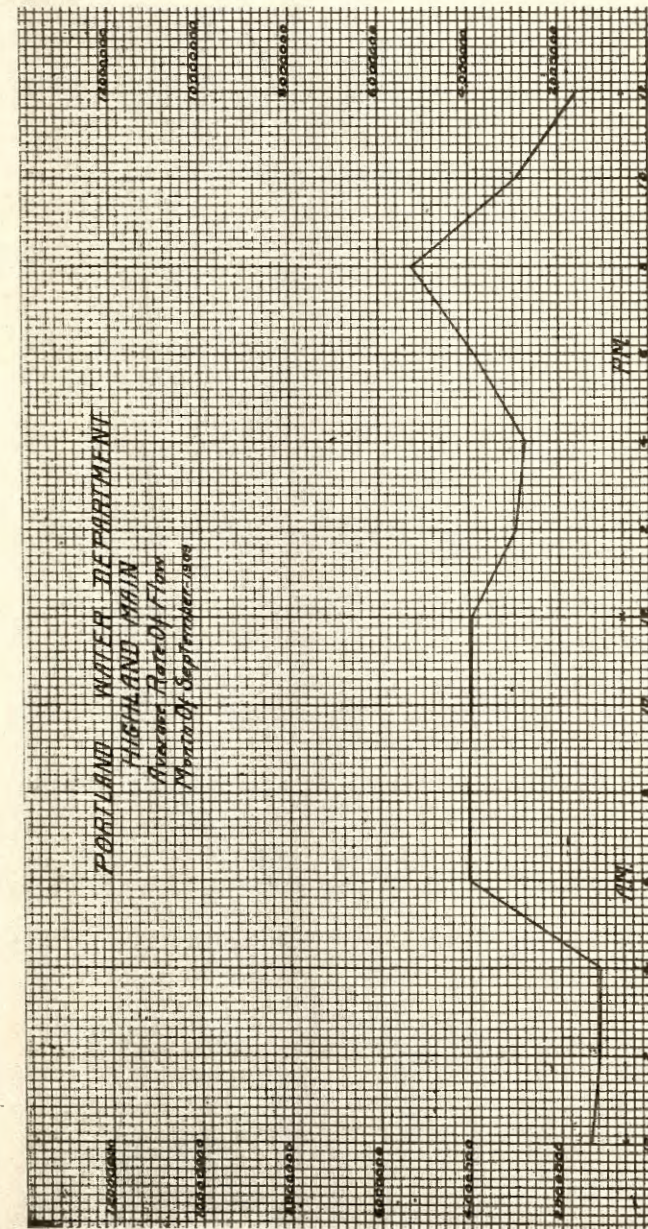
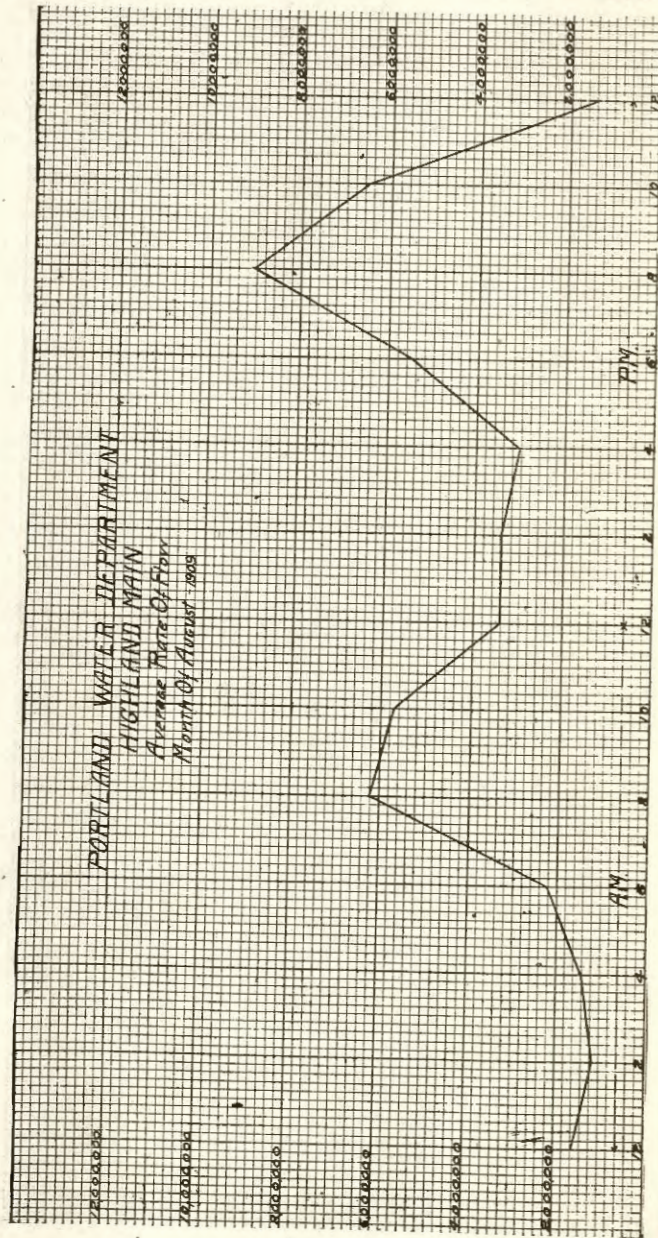
Total services in the entire City	37,120 × 5.3
Estimated population supplied	196,700

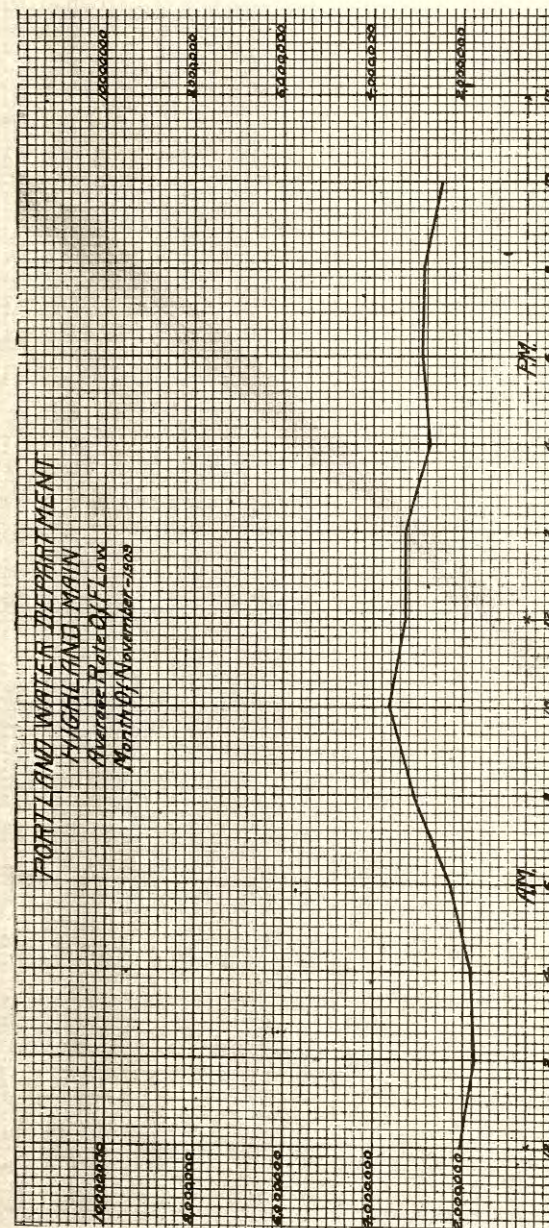
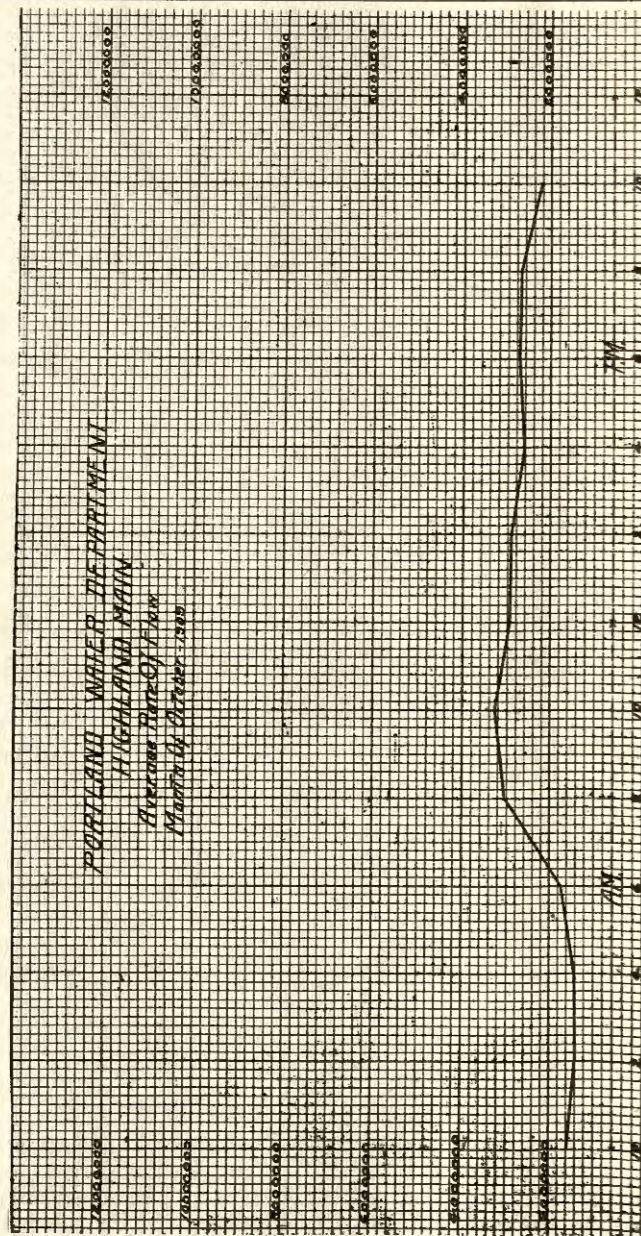


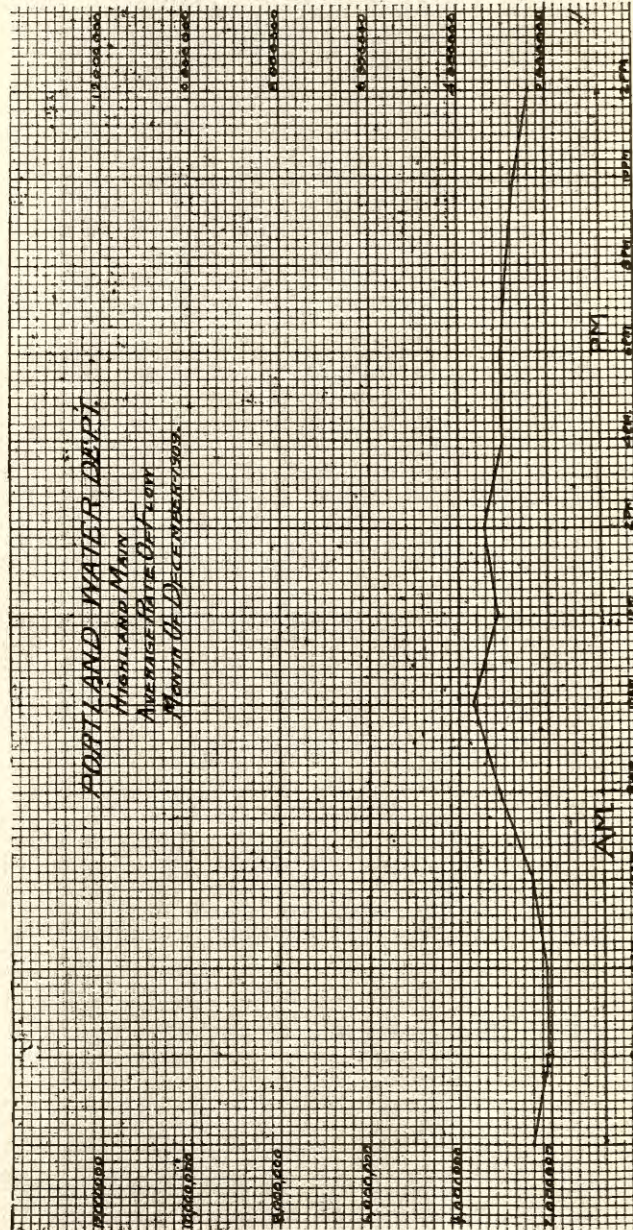












HIGHLAND MAIN RATE OF FLOW - 1909 RECAPITULATION

MONTH	CONSUMPTION IN GALLONS			TEMPERATURE	
	MAXIMUM FOR 24 HOURS	MINIMUM FOR 24 HOURS	DAILY AVERAGE	TOTAL FOR MONTH	ON DAY OF MAX. ON DAY OF MIN. CONSUMPTION MIN. MAX.
JANUARY	5526000	2212000	3211000	102254000	13° 10° 51° 36°
FEBRUARY	2662000	2378000	2494000	69820000	48° 4° 48° 37°
MARCH	2834000	2365000	2515000	77977000	53° 37° 54° 46°
APRIL	2971000	2542000	2593000	77783000	67° 40° 67° 39°
MAY	3916000	2372000	2743000	85016000	79° 47° 55° 45°
JUNE	6035000	2444000	4390000	131695000	79° 53° 78° 58°
JULY	5593000	2136000	3542000	109823000	77° 53° 62° 57°
AUGUST	5070000	2795000	4136000	128208000	91° 61° 70° 55°
SEPTEMBER	4430000	1906000	2920000	87613000	85° 55° 63° 51°
OCTOBER	2651000	1739000	2454000	76062000	49° 45° 60° 50°
NOVEMBER	3128000	2164000	2724000	81716000	60° 47° 50° 38°
DECEMBER	3455000	2164000	2781000	86248000	32° 25° 44° 37°

The diagram shows the consumption in the Highland District to have been as follows:

Consumption of Water	Date 1909	Total Gallons Per Day	Gallons Per Day Per Service	Gallons Per Day Per Capita	Tempera- ture	
					Max.	Min.
Minimum consumption.....	October	2,454,000	180	34.0	86	54.8
Maximum consumption.....	June	6,035,000	444	83.7	90	62.7
Average consumption.....	June	4,390,000	323	60.9	90	62.7
Maximum rate of flow during sprinkling hours...	August	9,074,000	668	125.9	91	65.0
No. of services in above dist.	Jan. 1-10	13,595	.....	.....	.....	.....
Estimated population suppl'd	" "	72,100	.....	.....	.....	.....
No. of services in entire city	" "	37,120	.....	.....	.....	.....
Estimated population suppl'd	" "	196,700	.....	.....	.....	.....

Estimated rate of consumption in entire city based upon consumption of East Side High Service District as above:

Minimum, gallons per day.....	6,681,000
Maximum, gallons per day.....	16,481,000
Maximum rate of consumption during sprinkling hours, gallons per day.....	24,796,000

The foregoing does not include the Woodmere and Woodstock Districts taken into the city limits on July 1st, and now supplied by private works.

From the foregoing figures it appears that the maximum rate of consumption is for a comparatively brief period during the sprinkling hours of the warmest days. It will also be observed that the rate of consumption per capita has diminished somewhat from that estimated for the year 1908. This is undoubtedly due to the increased use of meters, of which 6,301 have been installed during the year.

Total number of meters now in use.....12,617

During the early portion of the year the installation of meters proceeded at a rapid rate, the intention being to provide meters for each sprinkling service. This work of installing meters was suspended at the close of the warm weather period, but it is expected that it will be resumed before another warm season.

Additional Water Supply—

During the month of July it was decided that the quickest method of securing relief for the warm weather period would be by the construction of new reservoirs in order to provide additional storage with which to tide over the period of extreme consumption during the summer months, and for that reason the preparation of plans and specifications for the new Bull Run conduit was suspended until the reservoir work was placed under contract. Since the reservoir construction was commenced plans and specifications for the new conduit have again been taken in hand. It is now expected that they will be prepared in time to place work under contract early during the coming year. It is also planned to make the new conduit of sufficient size to provide for an additional supply of 45,000,000 gallons per day, making the combined capacity of the old and new conduits equal to the entire low water flow of Bull Run River. This flow is estimated to be from 65,000,000 to 70,000,000 gallons per day during the period of extreme low water, which continues for a comparatively brief period each year. It will thus be seen that ample provision is to be made for the anticipated rapid growth of the city—the supply contemplated being adequate for a population of 600,000.

Reservoirs in Use.

The following is a list of the reservoirs now in use:

	Elevation.	Gallons Capacity.
Reservoir No. 1, Mt. Tabor, concrete.....	411.6	12,000,000
Reservoir No. 2, Mt. Tabor, brick.....	229.2	20,500,000
Reservoir No. 3, City Park, concrete.....	299.5	16,400,000
Reservoir No. 4, City Park, concrete.....	229.5	17,600,000
Portland Heights, concrete.....	865.0	600,000
Portland Heights, wood.....	641.5	50,000
South Portland, concrete.....	475.0	60,000
Willamette Heights, concrete.....	445.6	60,000
Near Summit, Mt. Tabor, wood.....	540.5	10,000
Near Summit, Mt. Tabor, wood.....	540.5	10,000
Near Summit, Mt. Tabor, wood.....	540.5	30,000
Vernon Standpipe, steel.....	343.6	360,000
Council Crest Standpipe, steel.....	1096.5	60,000

Total capacity 67,740,000

In addition to the tables showing mains laid during the year and total now in use, a "Summary of Statistics" has been prepared for the year ending December 31, 1909, using the form recommended by the New England Water Works Association for the compilation of data relative to Water Works Maintenance and Operation.

Respectfully submitted,
D. D. CLARKE, Engineer.

PIPE EXTENSIONS COMPLETED DURING THE YEAR 1909

West Side.

City Work—

	Size, Inches.	Length, Feet.
March—Council Crest Standpipe Supply.....	6-inch	1056
September—Savier Street, 29th westerly.....	2-inch	300
November—Carter Street, Jackson Street northerly	6-inch	215

Contract Work—

September—Everett Street, 19th to Cornell Road..	8-inch	2358
Intersection branch at 21st.....	8-inch	60
Intersection branch at Lucretia Place.	6-inch	22
November—Hoyt Street, 4th to 14th.....	12-inch	2595
Intersection branch at 5th.....	6-inch	20
Intersection branch at 6th.....	8-inch	65
Intersection branch at 7th.....	10-inch	20
Intersection branch at 8th.....	8-inch	40
Intersection branch at Park.....	8-inch	40
Intersection branch at 9th.....	8-inch	65
December—Carter St., 20th St., southerly from 20th	6-inch	253

Private Work—

August—Overton Street, 26th to 27th.....	6-inch	490
November—21st Street, Clifton Street northerly....	6-inch	905

Total	8504
Total length 2-inch pipe.....	0.057 miles
Total length 4-inch pipe.....	0.000 miles
Total length 6-inch pipe.....	0.561 miles
Total length 8-inch pipe.....	0.498 miles
Total length 10-inch pipe.....	0.004 miles
Total length 12-inch pipe.....	0.491 miles
Total	1.611 miles

PIPE EXTENSIONS COMPLETED DURING THE YEAR 1909

East Side.

City Work—

	Size, Inches.	Length, Feet.
May—Belmont, East 9th to East 10th.....	6-inch	246
June—East Stark, East 8th to East 12th.....	8-inch	1030
July—Belmont, East 47th to East 60th.....	8-inch	3385
Intersection branch at 49th St.....	8-inch	60
Intersection branch at 50th St.....	8-inch	40
Intersection branch at 51st St.....	8-inch	20
Intersection branch at 55th St.....	8-inch	155
Intersection branch at	6-inch	20
July—East Glisan, East 71st to East 72nd.....	2-inch	230
October—East 63rd, Division to Powell.....	12-inch	2850

Contract Work—

November—East 37th, Hancock to Barr Road....	8-inch	942
Intersection branch at Broadway.....	8-inch	42
November—Weidler St., East 17th to East 24th....	8-inch	1890
November—Hawthorne Ave., East 1st to East 12th	8-inch	2814
Intersection branch at 6th St.....	8-inch	70
Intersection branch at 8th St.....	8-inch	70
Intersection branch at 9th St.....	8-inch	75
Intersection branch at 10th St.....	8-inch	75
Intersection branch at 11th St.....	8-inch	75
November—East 7th, Holladay to Hancock.....	8-inch	2376
December—East 33rd, Clinton to Brooklyn.....	8-inch	804
December—East Yamhill, East 31st to East 39th..	8-inch	2730
Intersection branch at East 32nd St....	8-inch	60
Intersection branch at East 33rd St....	8-inch	60
Intersection branch at East 34th St....	8-inch	60
Intersection branch at East 36th St....	8-inch	20
Intersection branch at East 37th St....	8-inch	60
December—East 9th, Holladay to Hancock.....	8-inch	2376

Private Work—

August—East 31st, Hawthorne to Market.....	8-inch	452
August—East 32nd, Hawthorne to Market.....	8-inch	452

Total	23,539
-------------	--------

Total length 2-inch pipe.....	0.043 miles
Total length 4-inch pipe.....	0.000 miles
Total length 6-inch pipe.....	0.050 miles
Total length 8-inch pipe.....	3.824 miles
Total length 12-inch pipe.....	0.540 miles

Total 4.457 miles

PIPE EXTENSIONS COMPLETED DURING THE YEAR 1909

Albina District.

City Work—

	Size, Inches.	Length, Feet.
February—East 8th and Magnolia, Ainsworth to Durham (wood)	8-inch	1790
February—Gantenbein, north from Russell Street..	2-inch	200
April—Dekum Avenue, Durham Avenue east.....	2-inch	300

Contract Work—

June-December—Irrington District—

East 14th, Knott to Siskiyou.....	6-inch	1080
East 15th, Knott to Siskiyou.....	6-inch	1080
East 16th, Knott to Siskiyou.....	6-inch	1080
East 17th, Knott to Siskiyou.....	8-inch	1120
East 18th, Knott to Siskiyou.....	6-inch	1080
East 19th, Knott to Siskiyou.....	6-inch	1080
East 20th, Knott to Siskiyou.....	6-inch	1080
East 21st, Knott to Siskiyou.....	6-inch	1080
East 22nd, Knott to Siskiyou.....	6-inch	1080
East 23rd, Knott to Siskiyou.....	6-inch	1080
East 24th, Knott to Siskiyou.....	8-inch	1120
Siskiyou, East 14th to East 24th..	8-inch	2704
Intersection branch at 14th.....	8-inch	40
Intersection branch at 15th.....	8-inch	40
Intersection branch at 16th.....	8-inch	40
Intersection branch at 18th.....	8-inch	40
Intersection branch at 19th.....	8-inch	40
Intersection branch at 20th.....	8-inch	40
Intersection branch at 21st.....	8-inch	40
Intersection branch at 22nd.....	8-inch	40
Intersection branch at 23rd.....	8-inch	40

September—East 7th, Tillamook to Fremont.....	8-inch	3959
Intersection branch at Constance	8-inch	50
Intersection branch at Klickitat	6-inch	55
Intersection branch at Monroe	6-inch	30
Intersection branch at Elise	8-inch	50
Intersection branch at Morris	8-inch	50
Intersection branch at Siskiyou	8-inch	15
Intersection branch at Stanton	6-inch	60
Intersection branch at Sellwood	6-inch	54
Intersection branch at Russell	8-inch	51
Intersection branch at Brazee	6-inch	54
Intersection branch at Sacramento	6-inch	54
Intersection branch at Tillamook	6-inch (L.W.)	50
Intersection branch at Tillamook	8-inch (L. E.)	28
November—East 14th, Siskiyou to Klickitat.....	8-inch	560
December—East 10th, Alberta to Going.....	8-inch	998

Total 23,432

Total length 2-inch pipe.....	0.095 miles
Total length 4-inch pipe.....	0.000 miles
Total length 6-inch pipe.....	1.909 miles
Total length 8-inch pipe.....	2.435 miles

Total 4.439 miles

RECAPITULATION.

Pipe Extensions Completed During the Year 1909.

	West Side, Miles.	East Side, Miles.	Albina, Miles.	Total Miles.
2 -inch.....	0.057	0.043	0.095	0.193
2½-inch.....	.....	.....	.....	.....
4 -inch.....	.....	.....	.....	.....
6 -inch.....	0.561	0.050	1.909	2.520
8 -inch.....	0.498	3.824	2.435	6.757
10 -inch.....	0.004	.....	.....	0.004
12 -inch.....	0.491	0.540	.....	1.031
14 -inch.....	.....	.....	.....	.....
16 -inch.....	.....	.....	.....	.....
18 -inch.....	.....	.....	.....	.....
20 -inch.....	.....	.....	.....	.....
24 -inch.....	.....	.....	.....	.....
Total miles	1.611	4.457	4.439	10.507
Total feet	8,504	23,539	23,432	55,475

**PIPE ABANDONED OR REMOVED DURING YEAR ENDING
DECEMBER 31, 1909.**

West Side District.

	Size, Inches.	Length, Feet.
Hoyt Street, between 4th and 14th.....	6-inch	1540
Everett Street, between 19th and Cornell Road...	6-inch	260
Everett Street, between 19th and Cornell Road...	4-inch	280
Total		2080
Total length 4-inch pipe.....	0.053	miles
Total length 6-inch pipe.....	0.341	miles

Total removed or abandoned, West Side..... 0.394 miles

**PIPE ABANDONED OR REMOVED DURING YEAR ENDING
DECEMBER 31, 1909.**

East Side District.

	Size, Inches.	Length, Feet.
East Stark Street, between East 61st and East 63rd	4-inch	500
East Taylor, between East 72nd and East 76th....	4-inch	1000
East Taylor East of East 55th.....	2-inch	300
Belmont, West of East 60th.....	2-inch	350
East Stark, between 26th and 28th.....	2-inch	500
East Stark, between 28th and 30th.....	2-inch	520
East Stark, between 20th and 26th.....	1½-inch	1200
Washington, between East 6th and East 8th.....	4-inch	360
Morrison, between East 7th and East 9th.....	6-inch	500
Grand Avenue, between Belmont and Clay.....	6-inch	1800
Total		7030
Total length 1½-inch pipe.....	0.227	miles
Total length 2 -inch pipe.....	0.316	miles
Total length 4 -inch pipe.....	0.352	miles
Total length 6 -inch pipe.....	0.436	miles

Total pipe removed or abandoned, East Side..... 1.331 miles

**PIPES ABANDONED OR REMOVED DURING YEAR ENDING
DECEMBER 31, 1909.**

Albina District.

	Size, Inches.	Length, Feet.
Missouri Avenue, between Fremont and Beech....	1-inch	400
Kerby Street, between Graham and Morris.....	2-inch	475
East 7th Street, at Tillamook.....	4-inch	100
East 7th Street, between Tillamook and Eugene..	4-inch	200
Commercial Street, between Monroe and Cook....	2-inch	500
East 8th and Magnolia bet. Ainsworth and Durham	2-inch	1914
Total		3589
Total length 1-inch pipe.....	0.076	miles
Total length 2-inch pipe.....	0.547	miles
Total length 4-inch pipe.....	0.057	miles

Total pipe removed or abandoned, Albina District.... 0.680 miles

MAINS REMOVED OR ABANDONED DURING YEAR 1909

Recapitulation.

	1-in.	1½-in.	2-in.	4-in.	6-in.	Total
West Side .....	.....	.....	.....	0.053	0.341	0.394
East Side .....	.....	0.227	0.316	0.352	0.436	1.331
Albina	0.076	.....	0.547	0.057	.....	0.680
Totals	0.076	0.227	0.863	0.462	0.777	2.405
Total length removed or abandoned, 1909.....						2.405 miles

RECAPITULATION—DISTRIBUTION SYSTEM YEAR 1909

**Mains 4 Inches in Diameter and Over Laid and Mains Taken Out
or Abandoned, Showing Net Increase.**

	4-in.	6-in.	8-in.	10-in.	12-in.	Total Miles
West Side—						
Laid .....	.....	0.561	0.498	0.004	0.491	1.554
Removed or abandoned	0.053	0.341	.....	.....	.....	0.394
Net increase	—0.053	0.220	0.498	0.004	0.491	1.160

SUMMARY OF WATER MAINS IN USE DECEMBER 31, 1909—Continued.

Size, Ins.	Albina			Totals.			
	C. I.	Steel or W. I.	Wood.	Total Miles.	C. I.	Steel or W. I. Wood.	Total Miles.
30					1,136	6,082	7,218
24					8,290	7,111	15,331
20					7,191	1,253	8,444
18						1,183	1,272
16					7,635	.....	7,635
14					8,935	.....	8,935
12					9,104	1,088	11,992
10					12,891	263	13,154
8					33,650	494	34,483
6					95,078	7,057	102,762
4					42,849	7,327	50,176
Total, 4 inches and over	49,606	12,943	614	62,863	226,778	31,858	261,402
3					614	1,930	2,544
2 1/2						555	1,972
2						35,616	35,909
1 1/2						4,622	4,622
1 1/4						3,424	3,424
1 1/2						10,963	10,963
1						3,039	3,039
3/4						456	456
Total all sizes	49,606	48,693	2,324	100,623	227,392	92,463	324,331
BULL RUN CONDUIT— Continued.							
32-inch cast iron				6,020 miles			
28-inch cast iron (submerged)				380 miles			
Total C. I.				6,400 miles			
Steel				24,304 miles			
Total				31,204 miles			

SUMMARY OF WATER MAINS IN USE DECEMBER 31, 1909.

	Miles.
Bull Run conduit	31.204
Distribution mains, 4 inches and over.....	261.402
Distribution mains, under 4 inches.....	62.734
Total, all sizes	355.340

Note.—The following estimate of overflow pipe to be deducted from foregoing list in order to give approximate mains in actual service:

	Steel.	Cast Iron.
20-inch steel, East Side.....	0.542	
20-inch steel, West Side	0.439	
30-inch steel, East Side	1.826	
30-inch C. I., East Side.....		0.227
8-inch C. I., Albina		0.042
6-inch, C. I., Albina		0.004
6-inch, C. I., West Side.....		0.011
Total miles	2.807	0.284 = 3.091

STATEMENT OF WATER MAINS LAID DURING YEAR 1909.

	Miles.
By Water Board	2.254
By contract	7.818
By private parties	0.435
Total	10.507

Subdivided as follows:

	City Work.	Contract.	Private.	Total.	Miles.
West Side, feet...	1,571	5,538	1,395	8,504	1.611
East Side, feet...	8,036	14,599	904	23,539	4.457
Albina, feet	2,290	21,142	.....	23,432	4.439
	11,897	41,279	2,299	55,475	10.507
Miles	2.254	7.818	0.435	10.507	

CONTRACTS AWARDED, WORK COMPLETED, YEAR ENDING DECEMBER 31, 1909.

	Size, Inches.	Length, Feet.	Estimated Cost.
Everett St.—19th to Cornell road.....	8	2,358	\$ 4,526.62
Hoyt St.—Fourth to 14th.....	12	2,595	8,492.95
Carter St.—20th southerly.....	6	253	303.50
East 37th St.—Hancock to Barr road.....	8	942	1,554.34
Weidler St.—East 17th to E. 24th.....	8	1,890	3,708.57
Hawthorne Ave.—East 1st to E. 12th.....	8	2,814	6,438.20
East 7th St.—Holladay to Hancock.....	8	2,376	4,063.36
East 33d St.—Clinton to Brooklyn.....	8	804	1,649.50
East Yamhill—East 31st to E. 39th.....	8	2,730	5,638.50
East 9th St.—Holladay to Hancock.....	8	2,376	3,951.04
Irvington district	8	5,304	8,672.90
Irvington district	6	9,720	9,946.90
East 7th St.—Fremont to Tillamook.....	8	3,959	5,114.55
East 14th St.—Siskiyou to Klickitat.....	8	560	917.90
East 10th St.—Alberta to Going.....	8	998	1,917.98
Total		39,679	\$ 66,896.81

	Feet.	Miles.	Estimated Cost.
Total length 6-inch pipe.....	9,973	1.888	\$ 10,250.40
Total length 8-inch pipe.....	27,111	5.134	48,153.46
Total length 12-inch pipe.....	2,595	0.491	8,492.95
Totals	39,679	7.513	\$ 66,896.81

CONTRACTS AWARDED, WORK NOT COMPLETED, YEAR ENDING DECEMBER 31, 1909.

	Size, Inches.	Length, Feet.	Estimated Cost.
Aspen St.—Thurman to S. L. Blythswood.	6	1,271	\$ 1,736.30
Glisan St.—Seventh to 23d.....	8	5,300	10,210.15
East 30th St.—Glisan to Sandy road.....	8	1,605	2,719.40
East Harrison—Marguerite to E. 39th....	8	1,203	1,894.73
Missouri Ave.—Killingsworth to Ainsworth	8	1,334	2,206.42
E. Madison St.—E. 23d to E. 28th.....	8	1,420	2,162.15
Nineteenth St.—Sherlock to Thurman....	12	922	3,206.65
Villard and Ainsworth—Portland Boule-			
vard to Greeley	6	1,845	2,220.15
East 10th St.—Holladay to Hancock.....	8	2,376	3,807.42
Multnomah et al.—East 12th to E. 16th...	8	9,976	16,668.50
Marshall—20th to 22d.....	8	1,042	2,048.52
Pettygrove—14th to 19th	12	1,305	3,923.25
East 39th—Hawthorne to Stark.....	8	2,850	4,739.80
Glenn Ave.—Hawthorne to Stephens.....	8	940	1,417.58
Lovejoy—14th to 20th.....	12	1,825	5,125.70
Tillamook—East 7th to East 24th.....	8	5,100	8,123.65
Ninth St.—Burnside to Glisan.....	8	1,260	2,906.25
Irving—19th to 24th.....	8	2,600	6,672.64
Olin St.—Dawson to Willamette.....	6	2,510	2,938.30
Total		46,684	\$ 84,727.56

	Feet.	Miles.	Estimated Cost.
Total length 6-inch pipe.....	5,626	1.066	\$ 6,894.75
Total length 8-inch pipe.....	37,006	7.009	65,577.21
Total length 12-inch pipe.....	4,052	0.767	12,255.60
Totals	46,684	8.842	\$ 84,727.56

ESTIMATES PREPARED, CONTRACTS NOT AWARDED,
YEAR ENDING DECEMBER 31, 1909.

	Size, Inches.	Length, Feet.	Estimated Cost.
East 12th St.—Division to Clinton..... 6	510		\$ 745.60
Front St.—At E. end of Pettygrove.....20	364		2,022.12
Union Ave.—Hancock to Killingsworth..12	9,500		28,568.70
Burnside St.—Third to Seventh.....12	1,040		4,017.84
East 19th St.—Prescott to Alberta..... 8	1,350		2,323.30
Elise St.—Union Ave. to East 7th..... 8	694		1,179.50
Oneonta and E. 11th—Dekum to Columbia Slough road	8	2,980	4,771.20
Waverleigh Heights district..... 8	21,335		32,769.70
11th St.—Alder to Jefferson..... 8	1,800		4,311.10
Belmont St.—East 17th to E. 20th..... 8	730		1,216.27
Eighth St.—Ankeny to Glisan..... 8	1,420		3,526.64
Stout St.—Washington to Yamhill..... 6	375		762.95
East 32d—Hawthorne to Stephens..... 8	940		1,417.55
Bidwell Ave.—Milwaukie to East 23d.... 6	1,300		1,649.30
East Third St.—Holladay to Hancock.... 8	2,496		4,075.22
Sixth St.—Irving to Glisan..... 8	420		1,070.59
Twenty-third St.—Lovejoy to Thurman... 8	2,078		4,112.58
Fourth St.—Burnside to Glisan.....12	1,300		3,970.00
Thirteenth St.—Stark to Jefferson..... 8	2,370		5,206.80
Myrtle St.—17th to Montgomery St. Drive 6	1,700		2,736.80
East 48th St.—Hawthorne to Lot "H," Hawthorne Avenue Addition	8	440	731.90
Eighth St.—Glisan to Hoyt..... 8	200		263.30
Seventh St.—Hoyt to Johnson.....10	520		1,396.40
Hoyt St.—14th to 15th.....12	260		901.30
Irving St.—12th to 14th..... 8	517		1,367.40
Johnson St.—12th to 14th..... 8	517		1,367.40
Overton St.—12th to 14th..... 8	517		1,341.35
Northrup St.—12th to 14th..... 8	517		1,243.66
Pettygrove St.—12th to 14th.....12	475		1,356.55
East 21st St.—Thompson to Knott..... 6	1,110		2,022.90
East 18th St.—Thompson to Knott..... 6	1,110		2,031.18
East 20th St.—Thompson to Knott..... 6	1,100		1,926.30
East 45th St.—Hawthorne to Stark..... 8	2,525		3,627.30
East Yamhill—39th to 45th..... 8	1,715		2,976.05
East 14th St.—Brazee to Knott..... 8	560		814.50
East 60th St.—Stark to Barr road.....12	5,265		13,386.15

	Size, Inches.	Length, Feet.	Estimated Cost.
Broadway—East 33d to East 37th..... 8		1,450	2,287.70
Grand Ave., Hoyt and East Sixth Sts.— Everett to Hancock street	16	4,420	17,702.05
East Burnside—E. 28th to E. 30th..... 8		560	888.70
East Madison—East 37th to East 41st... 8		1,375	2,305.50
Tillamook—East 31st to East 36th..... 8		1,840	2,923.10
East Morrison—East 32d to Lot 14, Blk. 15, Sunnyside Addition	8	370	627.40
East 36th St.—Broadway to Tillamook... 8		850	1,429.45
East Main St.—34th to 36th..... 8		785	1,190.70
Alley between Mallory and Garfield—Kil- lingsworth to Jarrett	8	910	1,579.50
Fourth St.—Glisan to Hoyt	12	240	603.70
Fifteenth St.—Marshall to Thurman.... 8		1,785	3,838.55
East 39th St.—Franklin to Holgate..... 8		3,205	5,127.50
Twelfth St.—Marshall to Pettygrove..... 8		760	2,498.70
East 14th St.—Belmont to Taylor..... 6		520	738.80
East 50th St. et al.—Hawthorne to Belmont 8		5,920	10,218.40
East 28th St.—Division to Clinton..... 8		460	848.10
Ford St. et al.—Park Ave. to Lovejoy....18		770	
Ford St. et al.—Park Ave. to Lovejoy....16		2,500	
Ford St. et al.—Park Ave. to Lovejoy....12		465	19,112.00
Washington St.—King to 19th.....10		1,300	4,824.35
Thirteenth et al.—Jefferson to Hall.....12		3,645	
Thirteenth et al.—Jefferson to Hall..... 8		9,215	26,060.90
Oregon—East 29th to East 31st..... 8		575	1,066.20
Irving—East 30th to East 31st..... 8		335	514.80
Pacific—East 29th to East 31st..... 8		575	880.50
Holladay—East 30th to East 31st..... 8		370	656.85
Westmoreland district	8	25,980	39,813.90
Newton and Wilson Sts.—Vaughn to 30th. 6		1,190	1,873.75
Alberta—East 25th to East 30th..... 6		1,315	2,245.30
Hancock—East 27th to East 37th..... 8		3,435	5,288.20
Gordon Ave.—Thurman to Alexander.... 6		1,100	1,515.90
East 25th—Broadway to N. L. Irvington... 8		1,300	2,329.10
West Park—Morrison to Jefferson..... 6		1,585	2,604.75
Cleveland—Killingsworth to Alberta.... 8		1,310	2,517.15
Rodney—Killingsworth to Alberta..... 8		1,315	2,517.15
East Fifteenth—Thompson to Knott..... 6		1,105	1,492.30
East 15th—Siskiyou to N. L. Irvington.. 8		810	1,453.40
East 16th—Siskiyou to N. L. Irvington.. 8		810	1,359.40

SUMMARY OF STATISTICS FOR THE YEAR ENDING DECEMBER 31, 1909.

In Form Recommended by the New England Water Works Association.

MUNICIPAL WATER WORKS.

City of Portland, Multnomah County, State of Oregon.

General Statistics.

Population by census of 1905,

Date of construction, 1893-4.

By whom owned, The City of Portland.

Source of supply, Bull Run River.

Mode of supply, gravity and pumping.

Pumping Statistics.

1. Builders of pumping machinery—
 - 2 Reidler pumps, Fraser & Chalmers, Chicago, Illinois;
 - 2 Gould pumps, Gould Mfg. Co.;
 - 1 pump, Smith & Vaile Mfg. Co.

In Reserve:

 - 3 Holly Gaskell compound, Holly Mfg. Co.
 - 5 Worthington.
2. Description of fuel used—
 - a. Kind.....
 - b. Brand of coal (Pelton wheel for operating plants, cord-wood for reserve plants).
 - c. Average price of coal per gross ton, delivered, \$.....
 - d. Percentage of ash.....
 - e. Wood, price per cord, \$.....
3. Coal consumed for the year, lbs.
4. (Pounds of wood consumed) ÷ 3=equivalent amount of coal,lbs.
- 4a. Amount of other fuel used.....
5. Total equivalent coal consumed for the year (3)—(4).....lbs.
6. Total pumpage for the year, not determined.
7. Average static head against which pumps work, 175 to 565 feet.
8. Average dynamic head against which pumps work, 150 to 570 feet.
9. Number of gallons pumped per pound of equivalent coal (5),.....
10. Duty—gallons pumped (6) x 8.34 (lbs.) x 100 x dynamic head (8) Total fuel consumed (5).
- Cost of pumping, figured on pumping station expenses, viz., \$.....
11. Per million gallons pumped, \$.....
12. Per million gallons raised one foot (dynamic), \$.....

	Size, Inches.	Length, Feet.	Estimated Cost.
East 17th—Siskiyou to N. L. Fremont....	8	1,060	1,859.40
East 18th—Siskiyou to Fremont.....	8	1,060	1,843.10
East 19th—Siskiyou to Fremont.....	8	1,060	1,843.10
East 20th—Siskiyou to Fremont.....	8	1,060	1,843.10
East 21st—Siskiyou to Fremont.....	8	1,060	1,859.40
East 22d—Siskiyou to Fremont.....	8	1,060	1,843.10
East 23d—Siskiyou to Fremont.....	8	1,060	1,843.10
East 24th—Siskiyou to Fremont.....	8	1,060	1,966.50
East Salmon St.—E. 45th to E. L. Arcadia	8	405	731.35
East Main St.—E. 45th to E. L. Arcadia..	8	425	695.20
East Madison—East 45th to E. L. Arcadia	8	435	802.60
Aspen—Savies to S. L. Blythswood.....	6	1,190	1,844.60
Twenty-fourth—Lovejoy to Northrup.....	10	520	1,358.45
Kerby St.—Prescott to Ainsworth.....	8	4,070	7,385.70
Division—East 10th to East 11th.....	6	310	470.38
Division—East 15th to East 16th.....	6	335	449.83
Division—East 17th to East 23d.....	6	1,645	2,049.55
East Burnside—East 60th to E. 69th.....	8	2,780	4,972.05
Council Crest Park district.....	8	8,520	
Council Crest Park district	4	7,630	20,687.10
East Stark et al.—East 69th to E. 76th....	8	2,100	3,643.45
Quimby—24th to 25th.....	8	509	1,170.85
Twentieth—Marshall to Raleigh.....	8	1,340	2,841.55
Richardson Ave. et al.—Macadam to Front	8	2,755	5,280.90
Total		201,954	\$389,425.51
	Feet.	Miles.	Estimated Cost.
Total length 4-inch pipe.....	7,360	1.445	\$ 4,196.50
Total length 6-inch pipe.....	17,500	3.314	27,160.19
Total length 8-inch pipe.....	144,240	27.318	244,399.21
Total length 10-inch pipe.....	2,340	.443	7,579.20
Total length 12-inch pipe.....	22,190	4.203	70,646.74
Total length 16-inch pipe.....	6,920	1.311	28,032.65
Total length 18-inch pipe.....	770	.146	5,388.90
Total length 20-inch pipe.....	364	.070	2,022.12
Totals	201,954	38.250	\$389,425.51

FINANCIAL STATISTICS.

Receipts.

Balance brought forward.....	\$110,968.72
(a) From ordinary (maintenance) receipts	110,968.72
(b) From extraordinary receipts (bonds, etc.)	
Total	\$110,968.72
From Water Rates—	
A. Fixture rates	\$.....
B. Meter rates	570,750.60
C. Total from consumers	
D. For hydrants	
E. For fountains	
F. For street watering	
G. For public buildings	
H. For miscellaneous uses	
I. General appropriation	
J. Total from municipal departments	
K. From tax levy	
L. From bond issue	250,000.00
M. From other sources	
Premium on above bonds.....	5,217.50

Expenditures.

Water works maintenance—	
AA. Operation (management and repairs)	\$103,834.99
BB. Special:	
CC. Total maintenance	103,834.99
DD. Interest on bonds	160,000.00
(CC. and DD.)	
EE. Payment of bonds	
FF. Sinking fund	63,000.00
Waterworks Construction:	
GG. Extension of mains.....	50,378.62
HH. Extension of services	
II. Special: Reservoirs	84,643.74
JJ. Office and other buildings.....	20,098.29
Bull Run conduit No. 2.....	24,235.63
Sur. and Explor.....	144,562.96
Lands for reservoirs.....	\$ 2,286.78
Lands for reservoirs.....	71,414.60
Reservoir No. 5.....	62,700.00
Reservoir No. 6.....	7,521.91
New pipe line	333.37
KK. Total construction	306.30
LL. Unclassified expenses:	323,919.22
MM. Balance:	
(aa) Ordinary	286,162.61
(bb) Extraordinary	

N. Total	\$936,916.82
Total balance	\$286,162.61
N. Total	\$936,916.82

Disposition of balance—

O. Net cost of works to date.....	\$5,800,266.95
P. Bonded debt at date.....	3,400,000.00
Q. Value of sinking fund at date.....	240,310.14
R. Average rate of interest.....	4, 5 and 6%

STATISTICS RELATING TO DISTRIBUTION SYSTEM.

Mains.

1. Kind of pipe, C. I., steel and wood.	
2. Sizes from 2-in. to 30-in.	
3. Extended, 55,477 feet during year.	
4. Discountinued, 12,699 feet during year.	
5. Total now in use, 324,331 miles.	
6. Cost of repairs per mile, \$.....	
7. Number of leaks per mile,	
8. Length of pipes less than 4-in. diameter, 62,929 miles.	
9. Number of hydrants added during year (public and private),	
10. Number of hydrants (public and private) now in use,	
11. Number of stop gates added during year, 194.	
12. Number of stop gates now in use, 2,316.	
13. Number of stop gates smaller than 4-in., 311.	
14. Number of blowoffs, 138.	
15. Range of pressure on mains, 20 lbs. to 80 lbs.	

Services.

16. Kind of pipe, galvanized iron.	
17. Sizes,	
18. Extended,	feet.
19. Discountinued,	feet.
20. Total now in use,	miles.
21. Number of service taps added during year, 3,978	
22. Number now in use, 37,120.	
23. Average length of service,	feet.
24. Average cost of service for the year, \$.....	
25. Number of meters added, 6,332.	
26. Number now in use, 12,617.	
27. Percentage of services metered, 33.9%.	
28. Percentage of receipts from metered water (B÷C),	
29. Number of motors and elevators added,	
30. Number now in use,	

STATISTICS OF CONSUMPTION OF WATER.

1. Estimated total population at date, 275,000.
2. Estimated population on lines of pipe, 196,700.
3. Estimated population supplied, 196,700.
4. Total consumption for the year, gallons.
5. Passed through meters, gallons.
6. Percentage of consumption metered,
7. Average daily consumption, gallons.
8. Gallons per day to each inhabitant,
9. Gallons per day to each consumer, 83.7.
10. Gallons per day to each tap, 444.
11. Cost of supplying water, per million gallons, figured on total maintenance (Item CC), \$.....
12. Total cost of supplying water, per million gallons, figured on total maintenance, plus interest on bonds, \$.....