

E. BOTEFUHR & CO.

Portland, Oregon.

MAYOR'S MESSAGE

...AND...

MUNICIPAL REPORTS

• • • •

CITY OF PORTLAND

• • • •

== 1893 ==

CITY OF PORTLAND,

OREGON.

MAYOR'S MESSAGE

AND

MUNICIPAL REPORTS

FOR THE

FISCAL YEAR ENDING DECEMBER 31,

1893.

PORTLAND, OREGON:
GLASS & PRUDHOMME, PRINTERS AND BOOKBINDERS.
CITY PRINTERS.
1894.

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CITY OFFICERS--1893.

Mayor	<i>W. S. Mason</i>
Treasurer.....	<i>Frank Hacheny</i>
Auditor.....	<i>A. N. Gambell</i>
Attorney	<i>J. V. Beach</i>
Deputy Attorney.....	<i>V. K. Strode</i>
“ “	<i>Charles Petrain</i>
Superintendent of Streets.....	<i>H. D. Gradon</i>
Surveyor.....	<i>T. M. Hurlburt</i>
Municipal Judge	<i>Charles H. Carey</i>
Chief of Police.....	<i>Chas. H. Hunt</i>
Overseer St. Cleaving and Sp'k.....	<i>A. B. Manley</i>
Deputy Auditor	<i>S. Grutze</i>
“ “	<i>Wm. H. Conner</i>
“ Treasurer.....	<i>E. Werlein</i>
“ Superintendent Streets	<i>Wm. Braden</i>
“ “ “	<i>W. S. Norton</i>
“ “ “	<i>A. A. Ellis</i>
“ “ “	<i>Chas. Smith</i>
“ “ “	<i>J. H. Smith</i>
“ “ “	<i>J. W. Brown</i>

Deputy Surveyor *Geo. Scoggin*
 " " *J. R. Hanson*
 Sealer of Weights and Measures..... *J. L. Poole*
 Insp. of Plumb. and Drainage, *W. H. Chambers*
 Dep. Insp. Plumb. & Drainage... *J. H. Morrow*
 Harbor Policeman..... *J. J. Byrne*
 Poundmaster..... *G. W. Ross*
 Park Keeper *C. M. Myers*

COMMON COUNCIL.

President of the Council, - Eugene Shelby
 First Ward, - - - - J. Monks
 Second Ward, - - - - H. J. McInnis
 Third Ward, - - - - W. A. Scoggin
 Fourth Ward, - - - - D. Dalgleish
 Fifth Ward, - - - - E. Shelby
 Sixth Ward, - - - - J. M. Terwilliger
 Seventh Ward, - - - - T. C. Malone
 Eighth Ward, - - - - S. G. Richardson
 Ninth Ward, - - - - W. H. Merrick
 Tenth Ward, - - - - L. M. Davis
 Eleventh Ward, - - - - John Mock

1893.

STANDING COMMITTEES

OF THE

COMMON COUNCIL OF THE CITY OF PORTLAND.

WAYS AND MEANS,

D. Dalglish, W. H. Merrick, John Mock

JUDICIARY AND ELECTIONS,

W. H. Merrick, D. Dalglish, W. A. Scoggin

ACCOUNTS AND CURRENT EXPENSES,

Eugene Shelby, S. G. Richardson, John Mock

STREET CLEANING AND SPRINKLING,

H. J. McInnis, S. G. Richardson, J. Monks

J. W. Terwilliger, D. Dalglish

STREETS,

W. H. Merrick, S. G. Richardson, L. M. Davis

T. C. Malone Eugene Shelby

SEWERS AND DRAINAGE,

W. A. Scoggin, H. J. McInnis, J. Monks

J. M. Terwilliger, L. M. Davis

PARKS AND PUBLIC PROPERTY.

D. Dalglish, John Mock, W. A. Scoggin

HEALTH AND POLICE,

W. A. Scoggin, H. J. McInnis, J. M. Terwilliger

COMMERCE, LANDINGS AND WHARVES,

J. Monks, T. C. Malone, J. M. Terwilliger

SPECIAL WATER,

W. H. Merrick, E. Shelby, H. J. McInnis

LICENSES,

L. M. Davis, James Monks, T. C. Malone

SPECIAL LIGHT,

T. C. Malone, H. J. McInnis, L. M. Davis

S. G. Richardson, John Mock.

REGULAR MEETINGS OF THE COMMON COUNCIL,

First and Third Wednesdays of each
month, at 2 o'clock P. M.

COMMITTEE MEETINGS.

COUNCIL WEEK.

Monday.....Ways and Means
".....Judiciary and Elections
Tuesday.....License
Tuesday.....Special Committees

WEEK BEFORE COUNCIL MEETING.

Tuesday.....Accounts and Current Expenses
".....Commerce, Landings and Wharves
Wednesday.....Parks and Public Property
Thursday.....Street Cleaning and Sprinkling
Friday.....Sewers and Drainage
Saturday.....Streets
".....Health and Police
Committees meet at 2 P. M.

HEALTH DEPARTMENT.

Board of Health { *W. S. Mason*, Mayor
 { *Chas. H. Hunt*, Chief of Police
 { *W. A. Scoggin*, Councilman

POLICE DEPARTMENT.

Board of Police Commissioners { *B. P. Cardwell*
 { *D. Solis Cohen*
 { *Frank L. Logan*
President.....*B. P. Cardwell*
Clerk.....*Silvey Stuart*
Municipal Judge.....*C. H. Carey*
Chief of Police.....*Chas. H. Hunt*
Captains } *Chas. Gritzmacher, R. H. Cardwell,*
 of } *A. M. Cox, B. L. Norden, A. Holm-*
 Police } *berg, F. Buchtel.*
Clerk of Police Department.....*H. L. Murton*

BOARD OF FIRE COMMISSIONERS
OF
PORTLAND PAID FIRE DEPARTMENT
1893-1894.

J. H. Steffen, Pres. . . Term Expires July, 1894
T. B. Trevett. . . Term Expires July, 1894
Theo. Wygant. . . Term Expires July, 1894

OFFICERS.

Joseph Buchtel . . . Chief Engineer
David Campbell . . . First Assistant
District South of Morrison Street.
M. Laudenklos . . . Second Assistant
District North of Morrison Street.
T. DeBoest . . . Third Assistant
District East Portland and Albina.
A. J. Coffee . . . Supt. Fire Alarm

*Office of the Board of Fire Commissioners, Chief
Engineer and Secretary
Room 5½ Bickel Block, Second and Ash Streets.
C. A. FREEMAN, Secretary.*

THE WATER COMMITTEE
OF THE
CITY OF PORTLAND,
OREGON.

H. W. Corbett, Henry Failing,
A. H. Johnson, C. H. Raffety,
C. H. Carey, L. Fleischner,
R. B. Knapp, S. G. Reed,
L. Therkelsen, F. Dekum,
J. Loewenberg, G. P. Frank,
C. H. Lewis, C. A. Dolph,
H. W. Scott, C. H. Hill.

Henry Failing, *Chairman.*
C. H. Lewis, *Treasurer.*
Frank T. Dodge, *Clerk.*

SUB-COMMITTEE ON CONSTRUCTION.

G. P. Frank, *Chairman.*
F. Dekum, Henry Failing, J. Loewenberg.

SUB-COMMITTEE ON WATER WORKS.

Henry Failing, *Chairman.* L. Fleischner.
Isaac W. Smith, *Engineer and Superintendent*
Frank T. Dodge, *Asst. Supt. and Accountant.*

NEW CITY HALL COMMISSION

OF THE

CITY OF PORTLAND, OREGON.

C. B. Bellinger,

A. H. Breyman,

W. M. Ladd,

J. J. Fisher,

C. M. Forbes,

H. J. Corbett,

W. B. Ayer.

W. M. Ladd, *Chairman.*

Chas. Randolph, *Clerk.*

THE BRIDGE COMMISSION

—OF THE—

CITY OF PORTLAND, OREGON.

ORGANIZED NOVEMBER 27, 1893.

TERM OF OFFICE.

John L. Sperry.....Eight years.

Thos. W. Pittenger.....Six years.

Christopher C. Redman.....Four years.

Wm. M. Ladd.....Two years.

John L. Sperry, *Chairman.*

Wm. M. Ladd, *Treasurer.*

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Wm. M. Ladd, *Treasurer.*

Thos. W. Pittenger, *Clerk.*

MAYOR'S MESSAGE.

MAYOR'S OFFICE, }
PORTLAND, OREGON, January 1st, 1894. }

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

GENTLEMEN—Once more the ceaseless roll of time has consigned to the irrevocable past, another year. The one but recently closed has been an eventful one. The financial wave of distrust, with all its dire results, has its effects on our City and its surroundings. Improvements that would doubtless have been made, which would have added to the importance and beauty of our City and given employment to the hundreds of workmen, were not begun. The results of the stringency are felt in every industry and in every business; commercial, manufacturing and agricultural. The want of employment among our mechanics and laborers is teaching them the sad lesson that only by the strictest economy can they provide the necessaries of life for the support of their wives and little ones. And yet in this favored land of plenty they can console themselves with the thought that none need starve. And while they, for the present, may not have all of the

comforts and luxuries they enjoyed in more prosperous times, they are cheerful and philosophical and buoy themselves up with the hope that ere long a change may come; that they may have the work that will render them independent and happy, and enable them to provide for their families those comforts that it is their pride to furnish.

I herewith submit a brief synopsis of the condition of the finances of the City, and the work accomplished in the past year, which, in detail, will be found in the reports of the officers of their respective departments.

Total Balances, Jan. 1st, 1893.....	\$ 166,334 10½
Receipts from all sources, except street improvements, sewers, street extensions and Water Commission	678,097 89
From Water Commission, ac- count interest on Bonds.....	46,250 00
Street Improvement funds.....	186,109 33
Street Extension funds.....	32,272 44
Sewer funds	216,255 45
	<hr/>
	\$1,325,319 21½

DISBURSEMENTS.

Total expenses for all purposes, except street improvements, street extensions, sewers and interest on water bonds.....	\$ 700,440 97
Interest on water bonds.....	33,775 00
Street improvements.....	197,298 06½
Sewers	209,600 32
Street extensions.....	35,094 39
	<hr/>
	\$1,176,208 74½
Total balances	\$ 149,110 47

COST OF DIFFERENT DEPARTMENTS.

Auditor's dep't. salaries and exp'ses \$	11,557 13
Supt. of Streets.....	13,317 51
Surveyor's.....	26,798 77
Treasurer's	5,122 94
City Attorney's	5,577 75
Municipal Court	3,922 36
Pound Master.....	2,147 00
Inspector, plumbing and drainage	3,015 00
Care of parks, and public grounds	13,352 24
Contagious and infectious diseases	3,117 62
Litigation	5,570 81
Pay of Viewers and Assessors.....	3,900 00
Expenses of Police Department....	119,196 43
“ Fire Department	150,558 09
Street cleaning	61,821 40
Street lighting	75,007 89

STREET DEPARTMENT.

Considering the depressed conditions in the monetary affairs, the business of this department has been a busy one for the last year. I will give a brief summary of the work in this department.

IMPROVED STREETS.

Streets improved in the last year, 10 miles.
 Total number of miles of improved streets in the city at the present time, 168.24
 Total number miles of sidewalk..... 287.44
 Total number miles of crosswalks..... 37.48

SEWERS.

Total sewers constructed in last year, 15.13 miles.

Total sewers in the city at present time, 76.48 miles.

BUILDING PERMITS.

Total granted for the year, 517.
 Estimated value of buildings erected in 1893, \$2,169,281.00.

STREET LIGHTS.

We have at present in the city:

Are lights of 2,000 candle power.....	583
Incandescent lights of 25 candle power.....	741

STREET EXTENSIONS.

Twenty-five surveys have been made for extension of streets. Total length of streets projected under such surveys, 8.54 miles.

PLUMBING AND DRAINAGE.

The report of the Superintendent of Plumbing and Drainage shows for the last year satisfactory results, and the improved sanitary condition of the city clearly justifies your wisdom in establishing this department. I will give a brief extract from his report:

Plumbing licenses issued during the year 138
 Blocks inspected in which no cesspools are left.....1,118

The Superintendent of Plumbing has made it his special duty to inspect thoroughly the school houses, where over 10,000 children go to school. He reports having examined our 31 public schools, 12 private schools, universities and colleges, and 6 kindergartens, where he has ordered changes and improvements, the necessary improvements have been made almost invariably. Where orders have been given to make connections with sewers, the order is very generally obeyed.

HEALTH.

The prompt and active efforts of the Health Officer and the City Physician have in the last

year prevented the spread of contagious diseases, and they have succeeded in abating all nuisances that have come under their observation, or have been reported to them, so that the sanitary condition of our city has been greatly improved.

STREET CLEANING DEPARTMENT.

I have no detailed report of this department to make extracts from, but the cleanly condition of our streets and the cessation of complaints coming to us of the bad condition of streets, etc., is good evidence that this department has succeeded in giving good satisfaction. We earnestly trust this department may for the balance of the term be permitted to pursue its work uninterrupted by the bickerings and fault finding that has been so fruitful a theme in the council in the last few months.

THE AUDITOR'S DEPARTMENT.

We feel that we cannot leave the mention of the different city departments without words of praise and compliment for the thorough manner in which the work is done, and the uniform courtesy of the Auditor and employes to all connected with the city government and the public, with whom they are so intimately brought in contact.

The same compliment is applicable to the different departments. The Treasurer, honest,

careful and competent, and his assistants; the Superintendent of Streets and his force; the Surveyor, and, in fact, all departments, so far as I have been able to judge, are thoroughly energetic, competent and courteous.

The Chief Engineer of the Bridge Committee has kindly provided me with statistics of the number of pedestrians, teams, etc., crossing the free bridge and ferry for the last year, which will be of some interest to our people who favored the establishment of free bridges and ferries.

Crossed Madison Street bridge, based on an average by actual count, per month:

Pedestrians, 137,980; vehicles drawn by one horse, 18,480; two horses, 18,510; total number of vehicles, 36,990.

Traffic on Albina ferry, from actual daily count, average per month:

Pedestrians, 66,319; teams, 11,015.

The figures given above of the traffic across the free bridge and ferry, demonstrates clearly how great a saving to the poor man and his family has been the establishment of these free highways across the river.

GARBAGE.

This subject which has been for so long a time a fruitful theme for discussion has in the

past year been settled, by your Body procuring a location down the river, free of cost, entering into contract for the transportation and cremation of all garbage for two years in a crematory, amply capable of consuming the garbage of the city for years to come. We trust that the action of your committee may prove wise and judicious, and that the future Councils and citizens may approve of their action.

In closing, I would urge the head of each department to closely scan his expense roll, and cut off every item where the city can save anything. Complaints come to us from the citizens, which have materialized in the formation of a Committee of One Hundred Taxpayers, who claim that the different departments of the city are run with too great expense. I appeal to the different departments to do their own pruning of expenses. Your love for the city of Portland, its prosperity, honor and fair name, should equal that of the Committee of "100." I trust their investigations may find nothing that can be found fault with or criticised.

Respectfully submitted,

W. S. MASON,
Mayor.

5261.500.
2900.000
7361.500

ANNUAL REPORT

OF THE

AUDITOR OF THE CITY OF PORTLAND

FOR THE YEAR ENDING DEC. 31, 1893.

GENERAL FUND.

Balance in fund, Dec. 31st, 1892.....\$ 19,100 22½

Received from—

Tax roll, 1893.....	\$125,692 69	
“ 1893 dlqt. col. by C. P.	4,202 96	
“ 1893 “ Tr..	76 03	129971.68
“ 1892 “ “	892 01	
“ 1891 “ “	125 85	
“ 1890 “ “	42 68	
“ 1889 “ “	85 90	
“ 1888 “ “	23 79	
“ 1887 “ “	102 38	
“ 1886 “ “	110 18	
“ 1885 “ “	25 76	
“ 1884 “ “	73 43	
“ 1883 “ “	19 95	
“ 1881 “ “	2 69	
“ 1879 “ “	50	
“ 1878 “ “	10 00	

Amounts carried forward, \$131,486 80 \$19,100 22½

Amount brought forward, \$131,486 80 \$19,100 22½

City and Suburban Railway Co., balance due to July 1st, 1894, as per terms of franchise	15 85	
Business licenses.....	171,383 40	
Dog licenses.....	2,177 25	173,560.65
Municipal Judge, fines and costs, City and State cases	11,527 45	
Chief of Police, costs delinquent street and sewer assessments.....	1,946 25	
Chief of Police, costs delinquent taxes, 1893.....	878 28	
Pound master, pound fees..	1,694 50	
F. Walcott, for permit to peddle	20 00	
Sale of codified ordinances..	30 00	
Redemption of property ...	705 93	
Bridge committee, tank and oil sold.....	8 00	
Sale of electric light plant..	27,000 00	
Sale of lamp posts	550 77	
Sale of horses.....	80 00	
Sale of water from City Park	44 85	
Received by transfer from Sellwood general fund ...	14	
Received by transfer from sundry street improvement funds	658 56½	

Amount carried forward, \$350,208 03½ \$19,100 22½

Amounts brought forward, \$350,208 03½ \$19,100 22½

Received by transfer from sundry sewer funds.....	5,062 25	
Received by transfer from sundry street extension funds	135 51	
		\$355,405 79½
		\$374,506 02

CONTRA.

Transferred to—		
Lamp fund.....	\$ 78,000 00	
Street cleaning and sprinkling fund	57,500 00	
Sundry street improvement funds	2,530 64	
Sundry sewer funds.....	3,871 56	
Street extension funds.....	1,315 00	
Street and sewer interest fund	368 73	
Bonds redeemed.....	43,500 00	
Warrants paid and returned to December 31, 1893.....	174,671 25	
		\$361,757 18
Balance in fund Dec. 31, 1893		12,748 84
		\$374,506 02

AUDITED CLAIMS PAID BY WARRANTS.

SALARIES.

Mayor and members Common Council.....	\$ 15,027 15
Auditor.....	2,400 00
City Attorney.....	2,910 00
Superintendent of Streets....	2,400 00
City Treasurer.....	2,810 00
City Surveyor.....	2,400 00
City Assessor.....	912 10
Police Judge and Municipal Judge.....	2,768 33
Pound Master.....	1,080 00
Inspector of Plumbing and Drainage.....	1,200 00
Park Keeper.....	1,200 00
Street Repairer.....	1,080 00
Harbor Police.....	1,200 00
Deputies Superintendent of Streets.....	10,917 51
Deputies of City Attorney....	2,667 75
Deputies Inspector Plumbing and Drainage.....	1,815 00
Deputies Pound Master.....	992 00
Clerk hire Auditor's office....	9,157 13
Clerk hire Assessor's office....	1,208 05
Clerk hire Police Judge and Municipal Judge.....	1,154 03
Clerk hire City Treasurer's office.....	2,312 94
Assistants City Surveyor....	10,675 27
Surveyor's Assistants.....	13,723 50
Milk and Food Inspector....	1,041 72
Clerk hire Chief of Police....	300 00

STREETS AND PUBLIC PROPERTY.

Improvement of streets in front of public property ..	\$ 2,659 98
Repairs to streets and bridges	11,395 14
Sewers and nuisances.....	9,414 03
Care of parks and public grounds.....	14,182 61
Street monuments.....	142 75

COUNCIL ROOM AND OFFICES.

Rent of Council room and office, fuel, etc.....	6,297 22
Stationery and blanks.....	2,688 14

MISCELLANEOUS.

Advertising.....	\$ 6,546 06
Miscellaneous expenses.....	3,456 70
Crematory.....	4,953 50
Working prisoners.....	1,625 00
Relief of certain persons....	660 18
Contagious and infectious diseases.....	3,117 62
Litigation.....	5,570 81
Expense office of Scaler of Weights and Measures....	256 25
Pay of Viewers and Assessors	3,900 00
Purchase of wagon for conveying prisoners.....	235 00
Printing Mayor's Message....	456 25
Elections.....	1,366 47
Purchase of horse for pound-master.....	75 00

Redemption of warrants city of Sellwood.....	331 90	
Total Warrants drawn in 1893.....	\$172,683 09	
Warrants outstanding Dec. 31, 1892...	15,328 24	
		\$188,011 33
Warrants paid and returned to Dec. 31, 1893.....	\$174,671 25	
Warrants outstanding December 31st, 1893.....	13,314 08	
Warrants cancelled.....	26 00	
		\$188,011 33

FIRE DEPARTMENT FUND.

Balance in fund Dec. 31, 1892	\$ 13,449 28	
<i>Received from—</i>		
Tax roll, 1893.....	\$136,167 09	
“ 1893, delinquent, col- lected by Chief of Police..	4,553 20	(40,720.25)
Moving house.....	4 50	
Sale of exempt certificates...	48 00	
Rent of engine house.....	18 00	
Sale of copper, zinc and iron	38 00	
For injury to hydrant.....	14 20	
Amount refunded by Albina Light and Water Co.....	45 00	
Sale of five horses.....	255 00	
Sale of hose and coupling...	46 00	
Sale of rope.....	3 50	
Cutting wires	2 50	
Rent of engine	135 00	
Sacks sold.....	9 35	
		141,339 34
		\$154,788 62

CONTRA.

Warrants paid and returned to Dec. 31st, 1893	\$151,793 21	
Bal. in fund Dec. 31st, 1893.	2,995 41	
		\$154,788 62

WARRANTS DRAWN.

General expenses Fire De- partment	\$150,558 09	
Warrants outstanding Dec. 31st, 1892.....	10,571 66	
		\$161,129 75
Warrants paid and returned to Dec. 31st, 1893	\$151,793 21	
Warrants outstanding Dec. 31st, 1893.....	9,336 54	
		\$161,129 75

POLICE DEPARTMENT FUND.

Balance in fund Dec. 31st, 1892... ..	\$ 12,437 72	
<i>Received from—</i>		
Tax Roll, 1893.....	\$115,218 30	
“ 1893 delinquent, col- lected by Chief of Police..	3,852 71	(19,071.01)
Amount refunded on over- paid bill.....	2 50	
		\$119,073 51
		\$131,511 23

CONTRA.

Warrants paid and returned to Dec. 31st, 1893	\$119,240 18	
Balance in fund Dec. 31st, '93.	12,271 05	
		\$131,511 23

WARRANTS DRAWN.

Pay of police	\$106,672 50
Feeding prisoners	2,541 17
Expense police building	5,899 14
Indigent sick	636 80
Medical attendance	10 00
Contingent expenses	941 25
Patrol wagon	786 06
Call boxes	1,709 51
Total warrants drawn to Dec. 31, 1893	119,196 43
Warrants outstanding Dec. 31, 1892	68 90
	<u>\$119,265 33</u>

Warrants paid and returned to Dec. 31, 1893	119,240 18
Warrants outstanding Dec. 31, 1893	23 33
Warrants cancelled	1 82
	<u>\$119,265 33</u>

STREET CLEANING AND SPRINKLING FUND.

Balance in fund Dec. 31, 1892	\$ 4,678 23
Received by transfer from general fund	57,500 00
	<u>\$ 62,178 23</u>

CONTRA.

Warrants paid and returned to Dec. 31, 1893	\$ 61,686 98
Balance in fund Dec. 31, 1892	491 25
	<u>\$ 62,178 23</u>

WARRANTS DRAWN.

General expense of department	\$ 61,921 40
Warrants outstanding Dec. 31, 1892	3,428 56
	<u>\$ 65,349 96</u>
Warrants paid and returned to Dec. 31, 1893	\$ 61,686 98
Warrants outstanding Dec. 31, 1893	3,662 98
	<u>\$ 65,349 96</u>

EAST PORTLAND WATER FUND.

Balance in fund Dec. 31, 1892	\$ 26,999 95
Received from sale of boiler	200 00
Received from sale of old iron	90 00
	<u>290 00</u>
	<u>\$27,289 95</u>

CONTRA.

Warrants paid and returned to Dec. 31, 1893	\$ 8,283 25
Balance in fund Dec. 31, 1893	19,006 70
	<u>\$ 27,289 95</u>

WARRANTS DRAWN.

Construction East Portland water works	\$ 8,273 18
Warrants outstanding Dec. 31, 1892	26 42
	<u>\$ 8,299 60</u>

Warrants paid and returned	
Dec. 31, 1893	\$ 8,283 25
Warrants outstanding Dec. 31,	
1893	16 35
	<u>\$ 8,299 60</u>

EAST SIDE WATER EXPENSE FUND.

Balance in fund Dec. 31, 1892	\$ 4,447 04
Received from water rates...	20,660 79
	<u>\$ 25,107 83</u>

CONTRA.

Warrants paid and returned to	
Dec. 31, 1893	\$ 12,608 96
Balance in fund Dec. 31, 1893	12,498 87
	<u>\$ 25,107 83</u>

WARRANTS DRAWN.

General expense of East Port-	
land Water Works	\$ 12,544 56
Warrants outstanding Dec.	
31st, 1892	76 30
	<u>\$ 12,620 86</u>

Warrants paid and returned	
to Dec. 31st, 1893	\$ 12,608 96
Warrants outstanding Dec.	
31st, 1893	11 90
	<u>\$ 12,620 86</u>

WILLAMETTE RIVER FUND.

Balance in fund Dec. 31st, 1892	\$ 84 11
---------------------------------------	----------

CONTRA.

Warrants paid and returned	
to Dec. 31, 1893.	\$ 75 40
Bal. in fund Dec. 31st, 1893.	8 71
	<u>\$ 84 11</u>

WARRANTS DRAWN.

General expense City dredger.	\$ 75 40
Warrants outstanding Dec.	
31, 1892	4 75
	<u>\$ 80 15</u>
Warrants paid and returned	
to Dec. 31, 1893	\$ 75 40
Warrants outstanding Dec.	
31, 1893	4 75
	<u>\$ 80 15</u>

LAMP FUND.

Balance in fund Dec. 31, 1892	\$ 315 40
Received by transfer from	
general fund	\$ 78,000 00
Received from sale of carbons	1,639 55
Received from amount re-	
turned on insurance	33 00
	<u>\$ 79,672 55</u>
	<u>\$ 79,987 95</u>

CONTRA.

Warrants paid and returned	
to Dec. 31, 1893.....	\$ 75,059 79
Balance in fund Dec. 31, 1893	4,928 16
	<u>\$ 79,987 95</u>

WARRANTS DRAWN.

Lighting City of Portland...	\$ 75,007 89
Warrants outstanding Dec.	
31, 1892.....	177 53
	<u>\$ 75,185 42</u>

Warrants paid and returned	
to Dec. 31, 1893.....	\$ 75,059 79
Warrants canceled.....	123 88
Warrants outstanding Dec.	
31, 1893.....	1 75
	<u>\$ 75,185 42</u>

INTEREST FUND—BONDED INDEBTEDNESS.

Balance in fund Dec. 31, 1892.....	\$ 24,842 13
Received from tax roll, 1893.	\$ 41,897 57
“ “ ‘93, delinq't	1,400 98
	<u>\$ 43,298 55</u>
	<u>\$ 68,140 68</u>

CONTRA.

Coupons paid and returned, as follows—

Interest bonded indebtedness,	
Portland.....	\$ 16,577 50
Interest bonded indebtedness,	
East Portland.....	26,070 00
	<i>47,647.50</i>
	<i>5,090.</i>
	<u><i>47,147.50</i></u>

Interest bonded indebtedness,

Albina.....	5,070 00
Warrants paid and returned	
(New York exchange)....	105 49
Balance in fund Dec. 31, 1893	20,317 69 ³
	<u>\$ 68,140 68</u>

20,317.69

FIRE BADGE REDEMPTION FUND.

Balance in fund Dec. 31, 1892.....	\$ 78 00
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CONTRA.

Balance in fund Dec. 31, 1893.....	\$ 78 00
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BOULEVARD FUND.

Balance in fund Dec. 31, 1892.....	\$ 4,614 02
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CONTRA.

Warrants paid and returned	
to Dec. 31, 1893.....	\$ 3,851 75
Bal. in fund Dec. 31, 1893 ..	762 27
	<u>\$ 4,614 02</u>

WARRANTS DRAWN.

Construction of boulevards.....	\$ 3,851 75
---------------------------------	-------------

Warrants paid and returned to Dec. 31, 93.	\$ 3,851 75
--	-------------

WATER BOND INTEREST FUND.

Balance in fund Dec. 31, 1892.	\$ 17,575 00
Received from Water Com...	46,250 00
	<u>\$ 63,825 00</u>

CONTRA.

Coupons paid and returned to Dec. 31, 1893.....	\$ 33,775 00
Balance in fund Dec. 31, 1893	30,050 00
	<u>\$ 63,825 00</u>

SELLWOOD GENERAL FUND.

Received from city of Sellwood.....	\$	14
-------------------------------------	----	----

CONTRA.

Transferred to Gen'l Fund, Portland....	\$	14
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STREET IMPROVEMENT FUND.

Total balance in funds Dec. 31, 1892.....	\$ 28,145 94
Received from collections....	\$186,109 33
Received by transfers from general fund.....	2,530 64
	<u>\$188,639 97</u>
	\$216,785 91

CONTRA.

Total expenditure.....	\$197,298 06½
Transferred to general fund..	658 56½
Total balance in fund.....	18,829 28
	<u>\$216,785 91</u>

SEWER FUNDS.

Total balance in funds Dec. 31, 1892.....	\$ 2,679 70
Received from collections....	\$216,255 45
Received by transfers from general fund.....	3,871 56
	<u>\$220,127 01</u>
	\$222,806 71

CONTRA.

Total expenditures.....	\$209,600 32.
Transferred to general fund..	5,062 25
Total balance in funds....	8,144 14
	<u>\$222,806 71</u>

STREET EXTENSION FUNDS.

Total balance in funds Dec. 31, 1892.....	\$ 5,396 78
Received from collections....	\$ 32,272 44
Received by transfers from general fund.....	1,315 00
	<u>\$ 33,587 44</u>
	\$ 38,984 22

CONTRA.

Total expenditures.....	\$ 35,094 39
Transferred to general fund..	135 51
Total balances in funds.....	3,754 32
	<u>\$ 38,984 22</u>

STREET AND SEWER INTEREST FUND.

Balance in fund Dec. 31, 1892.	\$ 1,490 58	
Received from collections...	2,213 68	
Received by transfers from General Fund	368 73	
		\$ 4,072 99

CONTRA.

Warrants paid and returned to Dec. 31, 1893.....	\$ 1,838 49	
Interest on warrants paid by treasurer	8 72	
Balance in fund Dec. 31, 1893	2,225 78	
		\$ 4,072 99

WARRANTS DRAWN.

Interest on street and sewer warrants....	\$ 1,849 19	
Warrants paid and returned Dec. 31, 1893.....	\$ 1,838 49	
Warrants outstanding Dec. 31, 1893	10 70	
		\$ 1,849 19

SUMMARY OF BALANCES IN TREASURY.

General Fund	\$ 12,748 84
Fire department fund.....	2,995 41
Police department fund	12,271 05
Street cleaning and sprinkling fund	491 25
East Portland water fund....	19,006 70
East side water expense fund	12,498 87

Willamette river fund.....	8 71	
Lamp fund	4,928 16	
Interest fund, bonded indebt- edness	20,317 69	
Fire badge redemption fund.	78 00	
Boulevard fund.....	762 27	
Water bonds interest fund...	30,050 00	
Street improvement funds...	18,829 28	
Sewer funds.....	8,144 14	
Street extension funds.....	3,754 32	
Street and sewer interest fund	2,225 78	
		\$149,110 47

SUMMARY OF RECEIPTS AND DISBURSEMENTS.

RECEIPTS.

Total balances in treasury Dec. 31, 1892.	\$ 166,334 10½
Receipts from all sources except street improve- ment, sewer and street extension assessments and Water Committee..	\$678,097 89
From Water Committee account, int. water bonds	46,250 00
Street improvem't assm'ts	186,109 33
Sewer assessments.....	216,255 45
Street extension assessm'ts	32,272 44
	1,158,985 11
	\$1,325,319 21½

DISBURSEMENTS.

Warrants paid by treas. for all purposes, except street improv'm't, sewers, street extensions and in- terest on water bonds.	\$700,440 97
Street improvements	197,298 06½
Sewers	209,600 32
Street extensions	35,094 39
Interest on water bonds	33,775 00
	<hr/>
	\$1,176,208 74½
Total balances	149,110 47
	<hr/>
	\$1,325,319 21½

SUMMARY OF WARRANT ACCOUNT

EXCEPT STREET IMPROVEMENT, STREET EXTENSION AND
SEWER WARRANTS.

Total warrants outstanding Dec 31, 1892.	\$ 29,682 36
Warrants drawn gen'l fund.	\$172,683 09
Warr'ts drawn, fire dep't fund	150,558 09
" police dep't fund	119,196 43
" str. cleaning and sprinkling fund.	61,921 40
" E. Port'd wat. f'nd	8,273 18
" E. side wat. ex. fn'd	12,544 56
" Lamp fund	75,007 89
" Street and sewer Interest fund	1,849 19

" Willamette river fund	75 40
" Boulevard fund	3,851 75
" Interest fund	105 49
	<hr/>
	\$606,066 47
	<hr/>
	\$635,748 83

WARRANTS PAID AND RETURNED TO DEC. 31, 1893.

General fund	\$174,671 25
Fire department fund	151,793 21
Police " "	119,240 18
Street cl'ning and spk'g fund	61,686 98
E. Portland water fund	8,283 25
East side water expense	12,608 96
Lamp fund	75,059 79
Street and sewer int. fund	1,838 49
Willamette river fund	75 40
Boulevard fund	3,851 75
* Interest fund	105 49
	<hr/>
	\$609,214 75
Total warrants outstanding Dec. 31, 1893.	26,382 38
Canceled warrants	151 70
	<hr/>
	\$635,748 83
Total bals. in above funds, as per summary.	\$ 67,937 04
Warrants outstanding Dec. 31, 1893	\$ 26,382 38
Available balances Dec. 31,'93	41,554 66
	<hr/>
	\$ 67,937 04

* The Interest Fund is subject only to warrants in payment of Exchange on interest payable in other cities.

BONDED INDEBTEDNESS.

CITY OF PORTLAND, JANUARY 1ST, 1894.

Kind.	Amount.	Date.	Time.	Interest.	Object.
CITY OF PORTLAND.					
General.	\$ 56,500.00.	May 1, 1891.	10 years.	6 per ct.	To redeem outstanding bonds.
FORMER CITY OF ALBINA.					
General.	\$ 10,000.00.	Aug. 1, 1890.	20 years.	6 per ct.	For municipal expenses.
General.	40,000.00.	June 1, 1891.	30 years.	6 per ct.	For municipal expenses.
Boulevard.	50,000.00.	June 1, 1891.	30 years.	6 per ct.	For boulevard and roadways.
Park.	50,000.00.	June 1, 1891.	30 years.	6 per ct.	For purchase and imp'ment of parks.
	<u>150,000</u>				
FORMER CITY OF EAST PORTLAND.					
General.	\$ 10,000.00.	Jan. 1, 1884.	10 years.	6 per ct.	Refunding indebtedness.
General.	10,000.00.	Sept. 1, 1884.	10 years.	6 per ct.	Payment of indebtedness.
Water.	250,000.00.	May 1, 1891.	30 years.	6 per ct.	For water system.
Electric light.	50,000.00.	May 1, 1891.	30 years.	6 per ct.	For electric light plant.
	<u>340,000</u>				

CITY HALL BONDS.

AMOUNT AUTHORIZED, \$675,000.00.

First series.	\$175,000.00.	Jan. 1, 1890.	30 years.	5 per ct.	Purchase of site City Hall.
Second series.	130,000.00.	Jan. 1, 1893.	30 years.	5 per ct.	Construction of City Hall.
Third series.	200,000.00.	July 1, 1893.	30 years.	5 per ct.	" " "
	<u>505,000</u>				

WATER BONDS.

\$700,000.00.	Jan. 1, 1887.	30 years.	5 per ct.	Purchase of Water Works.
450,000.00.	July 1, 1893.	30 years.	5 per ct.	Bull Run Pipe Line.
<u>1,150,000</u>				

BRIDGE BONDS.

\$500,000.00.	Jan. 1, 1892.	30 years.	5 per ct.	Purchase and Construction of Free Bridges.
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FERRY BONDS.

\$50,000.00.	April 1, 1893.	30 years.	5 per ct.	Free Ferry.
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Total

2,675,000.

DEMANDS AUDITED DURING THE YEAR
ENDING DEC. 31st, 1893.

ON THE GENERAL FUND.

Mayor and Common Council—

Salary of Mayor, (not drawn) \$	1,500 00	
“ Councilmen, Jan to July	8,000 00	
“ “ July to Jan.	5,527 15	
		\$ 15,027 15

Expense Council room and offices—

Rent of Council room & offices \$	3,900 00	
Fuel and lights	669 85	
Janitor	960 00	
Miscellaneous	767 37	
		\$ 6,297 22

Auditor's department—

Salary of Auditor	\$ 2,400 00	
“ Chief D'pty and b'kpr	1,680 00	
“ Assess't and License		
Deputies	2,600 00	
“ Clerks	3,820 45	
Typewriting and recording	1,056 68	
Postage stamps	61 17	
Stationery	228 12	
Blanks and blank books	947 00	
Miscellaneous	83 55	
		\$ 12,876 97

Treasurer's department—

Salary of Treasurer	\$ 2,810 00	
“ Deputy	1,500 00	
“ Clerks	812 94	
Stationery	21 95	
Blanks and blank books	227 25	
Miscellaneous	179 39	
		\$ 5,551 53

Surveyor's Department—

Salary of City Surveyor	\$ 2,400 00	
“ Draughtsmen	2,076 87	
“ Clerks	2,106 40	
“ Assistant Surveyors	6,492 00	
“ Rodmen, Axemen and Chainbearers	13,723 50	
Stationery	296 02	
Blanks and blank books	89 25	
Street monuments	142 75	
Miscellaneous	297 30	
		\$ 27,624 09

Superintendent of Streets Department—

Salary of Supt. of Streets	2,400 00	
“ Deputies	7,797 21	
“ Draughtsmen	3,120 30	
Typewriting	28 43	
Salary of Street Repairer	1,080 00	
Purchase of team for repair wagon	170 00	
Expense, repairs to wagon, harness, etc	204 58	

Labor, repairing streets and bridges.....	7,395 79	
Material for repairing streets and bridges.....	3,444 77	
Inspector on street work.....	180 00	
Labor, repairing sewers.....	2,763 50	
Material for repairing sewers..	827 78	
Inspectors on sewers.....	5,822 75	
Stationery.....	216 76	
Blanks and blank books.....	247 00	
Miscellaneous.....	117 40	
		—————\$ 35,816 27

Assessor's Department.

Salary of Assessor.....	912 10	
“ Clerks.....	1,208 05	
Stationery.....	4 85	
Blanks and blank books.....	61 00	
Miscellaneous.....	13 25	
		—————\$ 2,199 25

City Attorney's Department.

Salary of City Attorney.....	\$ 2,910 00	
Salary of Deputies.....	2,667 75	
Costs of litigation and judgments.....	5,570 81	
Stationery.....	12 00	
Blanks and blank books.....	6 67	
		—————\$ 11,167 23

Municipal Court.

Salary of Municipal Judge... \$	2,768 33	
“ Clerk.....	1,154 03	
Interpreter.....	94 50	
Stationery.....	89 95	
Blanks and blank books.....	124 15	
		—————\$ 4,230 96

Milk and Food Commissioner.

Salary of Milk and Food Com.	\$ 1,041 72
------------------------------	-------------

Inspector of Plumbing and Drainage.

Salary of Inspector.....	\$ 1,200 00	
“ Deputies.....	1,815 00	
Repairs to office.....	95 70	
Stationery.....	6 00	
Blanks and blank books.....	6 50	
		—————\$ 3,123 20

Sealer of Weights and Measures.

Set of weights and measures.. \$	256 25	
Stove and office fixtures.....	20 75	
Blanks and blank books.....	42 50	
		—————\$ 319 50

Pound Master's Department.

Salary of Pound Master.....	\$ 1,080 00	
“ Deputy.....	992 00	
“ Assistants.....	411 55	
Purchase of horse.....	75 00	
Horseshoing, etc.....	77 50	
Miscellaneous.....	44 82	
		—————\$ 2,680 87

Working of Prisoners.

Salary of driver of prison wagon and guards.....	\$ 1,446 22	
Expense prison wagon, harness, team hire, etc.....	178 78	
Purchase of wagon.....	235 00	
	<u> </u>	\$ 1,860 00

Health Department.

Salary of City Physician....	\$ 1,800 00	
Care of sick, etc.....	1,317 62	
	<u> </u>	\$ 3,117 62

Crematory.

Burning garbage.....	\$ 3,600 00	
Pay of officer at dump and covering garbage.....	813 80	
Removing dead animals.....	501 00	
Miscellaneous.....	38 70	
	<u> </u>	\$ 4,953 50

City Park and Park Blocks.

Salary of Park-keeper.....	\$ 1,200 00	
Pumping station.....	144 82	
Plumbing.....	619 95	
Laborers.....	9,742 82	
Material.....	1,280 35	
Feed for animals.....	1,594 02	
Water and care of park blocks	660 91	
Miscellaneous.....	139 74	
	<u> </u>	\$ 15,382 61

Harbor Police.

Salary of Harbor Police.....	\$ 1,200 00
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Clerk Chief Police.

Salary Clerk assisting in collection of city taxes.....	300 00
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Improvement of Streets.

Improvement of streets in front of public property...	2,659 98
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Miscellaneous.

Advertising.....	6,556 46
Relief of certain persons—Repayment of taxes and assessments erroneously collected.....	660 18
Pay of viewers of street extensions.....	1,082 00
Pay of sewer assessors.....	2,818 00
Printing Mayor's message and municipal reports.....	456 25
Costs of elections.....	1,366 47
Redemption of warrants City of Sellwood.....	331 90
Miscellaneous expenses.....	1,992 56
	<u> </u>
Total of claims paid out of general fund.....	172,683 09
Bonds redeemed.....	43,500 00
	<u> </u>
Total.....	\$216,183 09

STREET CLEANING AND SPRINKLING FUND.

Street Cleaning and Sprinkling Department.

Pay of Superintendent and laborers	\$ 42,496 05
Lighting City barn	423 75
New plant	5,435 13
Horse shoeing	786 25
Repairs	1,703 16
Harness and repairs	341 60
Hay	3,419 74
Oats	3,292 37
Hardware	123 05
Sprinkling streets	1,934 31
Purchase of horses	695 00
Miscellaneous	1,270 99
	<hr/>
	\$ 61,921 40

POLICE DEPARTMENT FUND.

Police Department.

Pay of Police	\$106,672 50
Feeding prisoners	2,541 17
Expense, police building	5,899 14
Care of indigent sick	636 80
Medical attendance	10 00
Contingent expenses	941 25
Patrol wagon	786 06
Call boxes	1,709 51
	<hr/>
	\$119,196 43

FIRE DEPARTMENT FUND.

Officers' salaries	\$ 8,965 25
Hose and repairs	4,913 06
Water ..	9,004 00
Hydrants and repairs	4,072 23
Cisterns and repairs	398 85
Office expense	304 40
Printing and advertising	412 64
Telephones	383 00
Incidentals	1,935 13
Salaries, Superintendent and Assistant of fire alarm telegraph	3,000 00
Material and repairs fire alarm telegraph	11,414 62
Expenses of auxiliary companies	744 00
Salaries of members	72,515 97
Buildings, repairs, fixtures and furniture	6,139 12
Apparatus, new	4,407 50
“ repairs	3,701 19
Horses	2,200 00
Shoeing horses	1,204 72
Services veterinary surgeon ..	162 75
Harness and repairs	959 55
Horse feed	6,106 04
Fuel	1,724 45
Lighting	1,548 96
Small stores	865 00
Telephones	720 00
Insurance	310 50
Incidentals	2,445 16
	<hr/>
	\$150,558 09

EAST PORTLAND WATER FUND.

Constructing East Portland Water Works. \$ 8,273 18

EAST SIDE WATER EXPENSE FUND.

Gen'l expenses of E. Port'd Water Works. \$ 12,544 56

WILLAMETTE RIVER FUND.

General expenses of city dredger. \$ 75 40

LAMP FUND.

Lighting streets of city of Portland \$ 75,007 89

BOULEVARD FUND.

Construction of boulevards \$ 3,851 75

STREET AND SEWER INTEREST FUND.

Interest on street and sewer warrants. \$ 1,849 19

INTEREST FUND, BONDED INDEBTEDNESS.

Interest on Bonded Indebtedness.

Bonded indebtedness, Port'd.	\$ 16,577 50
“ “ E. Port'd	26,070 00
“ “ Albina ..	5,070 00
Warrants paid and returned, N. Y. exchange.	105 49
	<hr/> \$ 47,822 99
	<hr/> \$697,283 97

SUMMARY.

GENERAL FUND.

Sals. Mayor and C'mn Council	\$15,027 15
Expen. council room & offices	6,297 22
Auditor's department.	12,876 97
Treasurer's department	5,551 53
Surveyor's department.	27,624 09
Supt. of streets department. . .	35,816 27
Assessor's department	2,199 25
City Attorney's department. . .	11,167 23
Municipal court	4,230 96
Milk and Food Commissioner	1,041 72
Insp. of Plumb. & Drain. dpt..	3,123 20
Seal. of Wghts. and Meas. dpt.	319 50
Pound master's department. . .	2,680 87
Working of prisoners.	1,860 00
Health department	3,117 62
Crematory	4,953 50
City park and park blocks. . . .	15,382 61
Harbor police	1,200 00
Clerk, Chief of Police	300 00
Improvem't of streets in front of public property	2,659 98
Advertising	6,546 06
Relief of certain persons	660 18
Pay of Viewers of street exten.	1,082 00
Pay of Sewer Assessors.	2,818 00
Printing Mayor's Message and Municipal Reports.	456 25
Cost of elections.	1,366 47
Redemption of warrants, city of Sellwood.	331 90

Amount carried forward, \$170,690 53

Amount brought forward.. \$170,690 53

Miscellaneous expenses..... 1,992 56

Total of claims..... 172,683 09

Bonds redeemed..... 43,500 00

————— \$216,183 09

STREET CLEANING AND SPRINKLING FUND.

Street cleaning and sprinkling dept..... \$ 61,921 40

POLICE DEPARTMENT FUND.

Police department..... \$ 119,196 43

FIRE DEPARTMENT FUND.

Fire department..... \$ 150,558 09

EAST PORTLAND WATER FUND.

Constructing East Portland
water works..... \$ 8,273 18

EAST SIDE WATER EXPENSE FUND.

Expenses of East Portland
water works..... \$ 12,544 56

WILLAMETTE RIVER FUND.

City dredger..... \$ 75 40

LAMP FUND.

Lighting streets..... \$ 75,007 89

BOULEVARD FUND.

Construction of boulevards.. \$ 3,851 75

STREET AND SEWER INTEREST FUND.

Interest on street and sewer
warrants..... \$ 1,849 19

INTEREST FUND BONDED INDEBTEDNESS.

Interest on bonds..... 47,822 99

————— \$697,283 97

Respectfully submitted,

A. N. GAMBELL, *Auditor.*

Portland, Or., January 1st, 1894.

APPENDIX TO AUDITOR'S REPORT.

The following tabulated statement shows the condition of each Street Improvement, Sewer and Street Extension Fund at the close of the fiscal year, ending December 31, 1893.

STREET IMPROVEMENT FUNDS.					
	Bal. in Fund Dec. 31, 1892.	Receipts.	Expenditures.	Bal. in Fund Dec. 31, 1893.	Warrants Outstanding
Chapman.....	\$ 35 05	\$	\$	\$ 35 05	\$ 1,052 91.
South Front, Gaines to First ave..	18 55.	.....	.....	18 55.	88 14.
Hood.....	14 64	.....	.....	14 64	14 64
Taylor	1 41	.....	.....	1 41	160 26
North Eighteenth.....	27 67	.....	.....	27 67	199 40
North Fourteenth.....	469 67.	.....	249 01.	220 66	.....
Twelfth... ..	71 16.	2,202 34.	2,202 34.	71 16.	1,400 00.
R. N. Eighteenth to N. Front.....	186 75.	.....	.....	186 75.	.....

STREET IMPROVEMENT FUNDS—CONTINUED.

	Bal. in Fund Dec. 31, 1892.	Receipts.	Expenditures.	Bal. in Fund Dec. 31, 1893.	Warrants Outstanding
South Second, Sheridan to Gibbs...	\$ 405 54.	\$ 793 05.	\$ 400 00.	\$ 798 59	\$ 1,660 27.
Whittaker, S. Front to Multnomah	12 46.	.....	.....	12 46.	43 35.
Kelly.....	11 40.	.....	.....	11 40.	17 87.
Wood.....	3 69.	.....	3 69.	.....	.....
Clifton.....	316 25.	348 00.	509 10.	155 15.	176 15.
North Sixteenth.....	100 00.	.....	.....	100 00.	.....
Caruthers.....	21 23.	.....	.....	21 23.	626 46.
Hoyt, N. 21st to N. 22d.....	3 50.	.....	3 50.	.....	.....
N. Twentieth.....	.....	48 56.	48 56.	.....	.....
Mill, Front to Water.....	12 82.	60 20.	73 02.	.....	.....
Hood, Marquam Gulch to Grover.....	.....	.....	.....	.....	529 55.
Thirteenth.....	283 49.	643 35.	582 80.	344 04.	1,474 62.
Fifth (grading).....	58 13.	.....	.....	58 13.	30 04.
18th, Clinton to Powell valley road	42 30.	.....	42 30.	.....	.....
Williams ave., Grant to Going.....	279 33.	.....	.....	279 33.	2,500 00.
Hoyt, E. to W. end.....	77 72.	35 36.	113 08.	.....	2,431 09.
Ankeny, First to Sixth.....	44 46.	18 46.	62 92.	.....	.....
Marshall, Fourth to Twelfth.....	43 16.	.....	.....	43 16.	68 37.
Clinton, Twelfth to Twenty-first...	62 73.	.....	.....	62 73.	804 79.
Williams, Cherry to N. line of City	26.	317 44.	317 70.	.....	.....
Ninth, Davis to Lovejoy.....	10½.	60 02.	60 12½.	.....	.....
Glisan, E. to W. end.....	162 33.	.....	.....	162 33.	3,465 36.

STREET IMPROVEMENT FUNDS—CONTINUED.

	Bal. in Fund Dec. 31, 1892.	Receipts.	Expenditures.	Bal. in Fund Dec. 31, 1893.	Warrants Outstanding
Clay, Fourth to E. line of City....	\$ 4 80.	\$ 119 55.	\$ 119 55.	\$ 4 80.	\$ 3 91.
Fifth, Kearney to Ellsworth.....	402 81½.	.....	.....	402 81½.	2,997 38.
Myrtle.....	135 64.	.....	.....	135 64.	133 08.
Thirteenth, Davis to Johnson...	4 06.	.....	.....	4 06.	168 43.
Elliott.....	91 62.	.....	.....	91 62.	83 00.
Cherry, First to Sixth.....	55 16.	.....	55 16.	.....	.....
N. 16th, G to bridge, bet. M and N	116 40.	380 07.	446 47.	50 00.	.....
Washington, Second to Burnside...	.....	58 84.	.....	58 84.	.....
Couch, Second to Cherry.....	237 66.	.....	187 83.	49 83.	290 52.
First, Salmon to Madison.....	5 75.	.....	5 75.	.....	.....
N. Seventeenth, Glisan to Savier...	.....	60 71.	60 71.	.....	84 79.
Third, north line City to Maple....	116 30.	.....	116 30.	.....	126 80.
N. 22d, Johnson to Pettygrove....	108 58.	.....	.....	108 58.	.....
Fourteenth, Myrtle to Elizabeth...	198 97.	.....	198 97.	.....	.....
Pacific.....	26 25.	.....	11 41.	14 84.	.....
Eighteenth, Spring to Clifton....	21 05.	.....	21 05.	.....	65 34.
Fifth, Couch to Irving.....	.....	.....	.....	.....	.....
South First, First to Second ave ..	90 59.	10 17.	100 76.	.....	.....
Laurel.....	80 83.	661 09.	741 92.	.....	.....
Glisan.....	1 43.	.....	.....	1 43.	.....
Elm.....	85 17.	72 23.	157 40.	.....	.....
Hoyt, N. 22d to N. 23d.....	24 75.	.....	.....	24 75.	.....

STREET IMPROVEMENT FUNDS—CONTINUED.

	Bal. in Fund Dec. 31, 1892.	Receipts.	Expenditures.	Bal. in Fund Dec. 31, 1893.	Warrants Outstanding
Alder, Fifth to Fifteenth.....	\$ 577 58.	\$ 830 45	\$ 1,339 05.	\$ 68 98.	\$ 1,442 50
N. 23d, Flanders to Johnson.....	48 04.	.....	2 50.	45 54.	.....
Delay	2 75.	.....	2 75.	.....	.....
Missouri ave., Multnomah to Grant	368 84	1,083 20	1,507 99	44 05	36 90
Glisan, Third to N. W. Park.....	13 74.	.....	.....	13 74.	104 08.
Salmon, Ford to City Park.....	3 75.	.....	3 75.	.....	.....
Multnomah, Grover to Curry.....	9 10.	.....	.....	9 10.	961 44.
Corbett, Second ave. to Lane.....	36 84.	.....	36 84.	.....	.....
South First, Third to Fourth ave..	.....	146 00.	146 00.	.....	11 45.
Borthwick, Russell to Elliott.....	29 74.	37 35.	67 09.	.....	.....
Hoyt, N. Fifth to N. Eighth.....	70 54.	.....	70 54.	.....	.....
Oregon, Third to Ninth.....	13 30.	.....	13 30.	.....	.....
Third, Main to Glisan.....	9 70.	3,128 59.	3,094 92.	43 37.	287 65.
Michigan ave.....	156 16.	252 49.	408 65.	.....	.....
N. 18th, Marshall to Thurman.....	566 44.	1,808 50.	2,359 42.	15 52.	388 06.
O., Laburnum av. to E. line S'nyside	261 88.	36 12.	298 00.	.....	.....
Laburnum ave., K. to Hawthorne.	43 76.	.....	43 76.	.....	.....
Eugene.....	118 14.	19 72.	137 86.	.....	.....
Russell.....	40 20.	141 85.	168 30.	13 75.	.....
Broadway.....	6 00.	121 88.	127 88.	.....	.....
E. Glisan, E. Ninth to E. Twelfth.	6 00.	.....	.....	6 00.	43 89.

STREET IMPROVEMENT FUNDS—CONTINUED.

	Bal. in Fund Dec. 31, 1893.	Receipts.	Expenditures.	Bal. in Fund Dec. 31, 1893.	Warrants Outstanding
E. Eighth, E. Flanders to line bet. lots 7 and 8, Riverside Homest'd.	11,153 17.	7,779 86.	16,540 48.	2,392 55.	6,405 66.
E. Sacramento, E 7th to Union ave	94 95.	.....	94 95.	.....	131 75.
E. Sixteenth	4,075 65.	3,072 11.	7,102 03.	45 73.	14 76.
E. Twelfth	8 51.	.....	.....	8 51.	1 66.
Mississippi av., Russell to Skidmore	1,020 28.	827 06.	1,710 94.	136 40.	200 92.
Seventh, Glisan to Johnson.....	1 75.	200 70.	.....	202 45.	200 45.
Weidler	1,294 21.	1,899 21.	3,055 85.	137 57.	4,095 86.
Gantenbein ave	1,109 68.	1,332 06.	2,402 13.	39 61.	26 86.
E. Irving.....	460 29.	87 00.	547 29.	.....	.....
Pine	162 87.	172 74.	335 41.	.....	.....
Twenty-third, Thurman to Wilson	128 91.	.....	128 91.	.....	.....
Washington, Burnside to 240 feet W. of E. line of City Park.....	75 57.	4,018 01.	4,016 23.	77 35.	.....
Second, Davis to Couch.....	3 00.	.....	3 00.	.....	.....
Shaver, Maryland to Williams ave	11 76.	842 97.	820 69.	34 04.	4 20.
Thurman, 14th to 19th	5 50.	.....	5 50.	.....	.....
Idaho	427 16.	243 24.	670 40.	.....	.....
Vaughn.....	512 92.	652 64.	1,165 56.	.....	.....
Montana ave.....	384 28.	2,734 70.	2,438 34.	680 64.	2,562 87.
E. Hoyt.....	2 22.	.....	2 22.	.....	.....
Hawthorne ave.....	1 24.	8,850 20.	8,772 94.	78 50.	314 54.

STREET IMPROVEMENT FUNDS—CONTINUED.

	Bal. in Fund Dec. 31, 1892.	Receipts.	Expenditures.	Bal. in Fund Dec. 31, 1893.	Warrants Outstanding
Northrup	\$ 156 09.	\$ 804 59.	\$ 912 02.	\$ 48 66.	\$ 38 19.
South Front					3 75.
Second and South Second					3,050 00.
North Twelfth		63 30.	63 30.		
Northrup. (crosswalks)		13 68.	13 68.		
Lane ave.		17 10.	17 10.		
Everett		1 60.	1 60.		
Hood		296 01.	296 01.		
East Twentieth		3,603 49.	2,702 52.	900 97.	1,880 24.
Beech		2,497 67.	2,497 67.		
Union ave.		193 34.	108 00.	85 34.	346 50.
East Fifteenth		359 85.	359 85.		
East First		186 63.	186 63.		
Twenty-fourth		600 17.	557 14.	43 03.	50 00.
Upshur		2 02.		2 02.	
Second ave.		15 60.	15 60.		
Seventh		21 29.	21 29.		
East Third		558 50.	558 50.		
Seventeenth		636 01.	636 01.		
Kearney		190 38.	186 13.	4 25.	499 61.
Minnesota ave., Fremont to Beech		905 17.	905 17.		
East Stark		1,690 01.	1,684 01.	6 00.	144 30.

STREET IMPROVEMENT FUNDS—CONTINUED.

	Bal. in Fund Dec. 31, 1892.	Receipts.	Expenditures.	Bal. in Fund Dec. 31, 1893.	Warrants Outstanding
Third, Lincoln to Sheridan		\$ 365 46.	\$ 352 73.	\$ 12 73.	\$ 09.
Ankeny		1,759 29.	1,759 29.		187 10.
East Oak		607 96.	538 82.	69 14.	185 06.
E. Eighth, Ainsworth to Dekum		2,171 95.	1,874 56.	297 39.	309 78.
East Everett		3,865 44.	3,865 44.		
Union ave.		9,935 73.	9,289 64.	646 09.	3,412 74.
Twelfth		482 40.	482 40.		
Wasco		935 46.	921 65.	13 81.	16 08.
Spokane ave.		114 73.	54 45.	69 28.	
Fifth		239 53.	192 45.	47 08.	33 67.
Umatilla ave.		97 95.		97 95.	537 48.
Sixth		440 49.	440 49.		85 24.
Ninth		96 67.	96 67.		265 45.
Tacoma ave.		120 67.	100 00.	20 67.	1,293 89.
Fourth		16 81.		16 81.	117 75.
Morrison		40,903 18.	40,748 71.	154 47.	26,906 45.
Shaver		678 34.	663 59.	12 75.	276 05.
Morris		203 16.		203 16.	203 16.
Cambridge		632 35.	611 35.	21 00.	9 50.
East Seventeenth		1,031 16.	1,025 91.	5 25.	67 50.
East Sherman		213 05.	213 05.		
Cleveland ave.		216 91.	213 16.	3 75.	15 07.

STREET IMPROVEMENT FUNDS—CONTINUED.

	Bal. in Fund Dec. 31, 1892.	Receipts.	Expenditures.	Bal. in Fund Dec. 31, 1893.	Warrants Outstanding
Seventeenth.....		\$ 325 60	* 324 60	\$ 1 00	* 150 60
East Harrison.....		650 07	639 93	10 14	161 80
Hoyt.....		663 10	661 60	1 50	.....
Twenty-fourth, Glisan to Savier.....		6,010 06	5,964 31	45 75	165 44
Willamette.....		1,789 18	1,781 92½	7 25½	1,622 30
Vancouver ave.....		2,820 21	2,804 96	15 25	345 72
Fremont.....		153 83	150 83	3 00	.....
Nebraska.....		319 61	282 37	37 24	244 26
Sixth.....		29,643 58	29,089 80	553 78	24,224 39
Cable.....		257 52	220 46	37 06	1,247 94
Portsmouth ave.....		758 21	736 61	21 60	126 51
Northrup.....		1,736 05	1,463 06	272 99	545 74
Halsey.....		143 78	143 78	.....	.....
Lewis.....		954 22	889 16	65 06	60 81
Mississippi av, Goldsmith to Russell.....		619 00	381 52	237 48	298 01
Beacon.....		1,208 68	1,143 41	65 27	843 97
Wasco.....		312 18	312 18	.....	.....
Hawthorne Terrace.....		244 35	194 50	49 85	219 65
Powell.....		3,671 92	923 68	2,748 26	1,364 39
Milwaukee and East Eleventh.....		5,093 81	4,516 38	577 43	3,379 20
East Morrison.....		223 74	220 49	3 25	43 0
Minnesota ave., Beech to Prescott.....		436 14	284 07	652 07	44 47

STREET IMPROVEMENT FUNDS—CONTINUED.

	Bal. in Fund Dec. 31, 1892.	Receipts.	Expenditures.	Bal. in Fund Dec. 31, 1893.	Warrants Outstanding
First.....	\$.....	\$ 646 99	\$ 639 99	\$ 7 00	* 110 84
East Burnside.....		1,777 24	.....	1,777 24	27 95
Mallory ave.....		260 84	132 31	128 53	676 69
East Stark.....		977 93	.....	977 93	1 01
Stark.....		1,910 19	1,909 44	75	659 45
Adams.....		540 75	540 75	.....	.....
	<u>\$28,145 94</u>	<u>\$188,639 97</u>	<u>\$197,956 63</u>	<u>\$18,829 28</u>	<u>\$114,326 01</u>

SEWER FUNDS.

	Bal. in Fund Dec. 31, 1892.	Receipts.	Expenditures.	Bal. in Fund Dec. 31, 1893.	Warrants Outstanding
Fifteenth, Market and Fourteenth.		25 42		25 42	36 72
South Fourth		89 41	89 41		
North Ninth	39 30		39 30		56 50
Pettygrove	443 33		68 71	374 62	314 94
North Twentieth	7 00			7 00	788 87
Thirteenth	44 50			44 50	1,110 60
Marshall		30 91	30 91		
Clay, Fifteenth to Fourteenth	30 00		30 00		
Chapman, Mitchell to Stark		65 00	65 00		
Margaretta ave		7 90	7 90		
Clay, Third to Sixth	27 48		27 48		
Sellwood	24 00		24 00		
Thurman, N. 26th to N. 20th	9 20	20 00	29 20		
Lovejoy, N. 22d to N. 20th	161 90	4,448 95	4,610 85		
Raleigh, N. 20th to N. 28th	24 00		24 00		
Quimby, N. 20th to Willam'te river	273 25	352 60	200 66	425 19	
Mississippi ave, Morris to Russell	42 11		42 11		
North Thirteenth and Davis	200 05	3,622 11	3,822 16		
Mitchell					34 04
Tanner creek	100 00	123 00	223 00		
Elliott	69 20		69 20		
X		02 50	02 50		

SEWER FUNDS.—CONTINUED.

	Bal. in Fund Dec. 31, 1892.	Receipts.	Expenditures.	Bal. in Fund Dec. 31, 1893.	Warrants Outstanding
Columbia, Chapman to 17th	\$ 11 18.	\$ 149 85.	\$ 161 03.	\$.....	\$.....
Nineteenth and Mill	86	239 14	240 00		
Savier	50 80		50 80		
Nartilla	40 00		40 00		
13th, Hall to Montgomery	65 00		65 00		
Holladay Avenue	6 65	1,893 00	1,899 65		
Fourth and Hooker	42 25	132 85	175 10		
Marquam gulch	78 42	1,607 45	1,667 42	18 45	205 00
Overton, 200 feet W. of 25th	30 00		30 00		
Knott, 160 feet E. of Mitchell to Mitchell	83 90	131 50	215 40		
Park ave	55 97	252 92	308 89		
Thomas creek	719 35	39,162 87	39,882 22		
Glisan, N. 22d to N. 23d		33 15	33 15		
Thurman		3,581 46	3,581 46		
Portland Heights		12,633 20	12,399 80	233 40	14,767 95
East Twelfth		2,827 85	2,827 85		
Kelly		1,541 80	1,541 80		
East Seventh		2,191 35	2,191 35		
East Tenth		2,298 35	2,298 35		
Twentieth		450 86	444 00	6 86	100 00
Elizabeth		481 00	481 00		

SEWER FUNDS.—CONTINUED.

	Bal. in Fund Dec. 31, 1892.	Receipts.	Expenditures.	Bal. in Fund Dec. 31, 1893.	Warrants Outstanding
East Sixth		\$ 2,449 20	\$ 2,449 20	\$	\$
Corbett.....		3,341 85	3,341 85	.....	.....
Thirty-second		582 99	582 99	.....	.....
Ross, Multnomah and Adams.....		2,704 60	2,704 60	.....	.....
Larrabee.....		2,534 35	2,534 35	.....	.....
East Oak et al.....		66,654 45.	66,542 30.	112 15.	2,140 30.
Lovejoy		5,157 04.	4,896 60.	260 44.	.....
Kearney.....		1,048 20.	1,048 20.	.....	.....
Pennoyer		906 24.	820 64.	85 60.	.....
Mississippi ave.....		234 97.	234 97.	.....	.....
Curry		1,960 52.	1,960 52.	.....	.....
Union.....		1,830 40.	1,830 40.	.....	.....
Ross		224 15.	224 15.	.....	.....
Borthwick		438 35.	438 35.	.....	.....
Williams ave. et al.....		6,192 85.	5,883 25.	309 60.	.....
First		213 10.	88 10.	125 00.	100 00.
E. Third		1,672 85.	1,672 85.	.....	.....
Whittaker		386 25.	274 67.	111 58.	263 78.
Grand ave., E. Market to Alder... ..		2,346 50.	2,250 00.	96 50.	978 66.
Grand ave., E. Stark to Alder.....		390 40.	350 00.	40 40.	194 08.
Grand ave., Weidler to Holladay.		1,536 19.	1,505 99.	30 20.	.....
Knott, 40' W. Kerby to Borthwick		150 70.	150 70.	.....	.....

SEWER FUNDS.—CONTINUED.

	Bal. in Fund Dec. 31, 1892.	Receipts.	Expenditures.	Bal. in Fund Dec. 31, 1893.	Warrants Outstanding
Benton.....		\$ 1,728 45.	\$ 1,728 45.	\$	\$
E. Alder et al.....		25,578 15.	20,000 00.	5,578 15.	103,861 09.
Albina ave.....		296 69.	275 00.	21 69.	24 13.
Kearney		732 48.	680 26.	52 22.	.....
Madison.....		53 93.	52 93.	1 00.	20 00.
E. Ninth		1,304 10.	1,300 00.	4 10.	133 48.
Mill		311 01.	271 59.	39 42.	.....
E. First et al.....		7,597 32.	7,500 00.	97 32.	3,262 75.
E. Eleventh.....		782 60.	750 00.	32 60.	162 70.
E. Twelfth		260 00.	260 00.	.....	26 26.
Union ave., Siskiyou to Morris.....		60 73.	50 00.	10 73.	237 48.
Twenty-first.....		.....	.....	.....	159 67.
Fourth .....		.....	.....	.....	178 68.
Knott, 138' E. of Mississippi ave.....		.....	.....	.....	82 74.
	\$ 2,679 70	\$220,127 01	\$214,662 57	\$ 8,144 14	\$129,230 42

STREET EXTENSION FUNDS.

	Bal. in Fund Dec. 31, 1892.	Receipts.	Expenditures.	Bal. in Fund Dec. 31, 1893.	Warrants Outstanding
Willamette	\$ 671 00.	\$	\$	\$ 671 00.	\$ 671 00.
Heights Terrace	190 00.	605 00.	785 00.	10 00.	415 00.
V.	472 50.	.....	.....	472 50.	13,689 50.
Russell	135 50.	.....	135 50.	.....	.....
X	138 00.	.....	.....	138 00.	1,292 00.
South Sixth	10 00.	.....	10 00.	.....	.....
Fourth	310 00.	.....	156 25.	153 75.	153 75.
Willamette	.....	.....	.....	.....	250 00.
South Fifth	10 00.	.....	.....	10 00.	21 00.
Wood	01.	.....	01.	.....	.....
Raleigh	70 20.	.....	70 20.	.....	.....
South Fifth	161 92.	.....	.....	161 92.	161 92.
Quimby	60 00.	.....	.....	60 00.	10 00.
Eleventh	14 70.	.....	.....	14 70.	14 70.
Davis	144 00.	10,976 00.	11,120 00.	.....	3,250 00.
Fifth, Kearney to Upsur.	682 45.	.....	673 50.	8 95.	8 95.
Ninth	159 75.	.....	129 75.	30 00.	30 00.
Vancouver ave.	194 00.	.....	97 00.	97 00.	97 00.
Hawthorne ave	64 90.	.....	45 50.	19 40.	19 40.
Ellsworth	.....	.....	.....	.....	70 00.
Harrison ave.	75 00.	.....	75 00.	.....	.....
Cable	104 10.	.....	7 40.	96 70.	96 70.

STREET EXTENSION FUNDS—CONTINUED.

	Bal. in Fund Dec. 31, 1893.	Receipts.	Expenditures.	Bal. in Fund Dec. 31, 1893.	Warrants Outstanding
East Stark	\$ 255 52.	\$	\$ 255 52.	\$	\$ 36 30.
Powell	210 23.	148 94.	322 87.	36 30.	36 30.
Belmont	106 00.	669 00.	757 00.	18 00.	18 00.
East Eighteenth	1,157 00.	3,374 00.	4,531 00.	.....	.....
South Fourth	.....	.....	.....	.....	300 00.
North Twenty-second	.....	.....	.....	.....	1 00.
East Salmon	.....	544 85.	544 85.	.....	.....
East Fifth	.....	954 00.	789 00.	165 00.	165 00.
East Fifth, Stark to Holladay	.....	7,702 00.	7,446 00.	256 00.	256 00.
Thurman	.....	690 72.	690 72.	.....	.....
Twenty-sixth	.....	921 10.	.....	921 10.	.....
East Alder	.....	2,955 75.	2,955 75.	.....	.....
Corbett	.....	170 00.	170 00.	.....	.....
Dawson	.....	250 00.	.....	250 00.	.....
East First	.....	2,945 00.	2,945 00.	.....	.....
East Fourteenth	.....	160 00.	.....	160 00.	.....
East Second	.....	7 08.	7 08.	.....	.....
Fifteenth	.....	4 00.	.....	4 00.	.....
Case ave	.....	510 00.	510 00.	.....	.....
	\$ 5,396 78	\$33,587 44	\$35,229 90	\$ 3,754 32	\$21,026 22

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

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

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

Park Blocks. Numbered and designated respectively: 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, city proper; and A, B, C, D, E, F in Couch addition to city of Portland, aggregating 7-45 acres.

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

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

City Hall Block. Block 56, city.

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

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

BLOCK.	LOT.	ADDITION.
Central Park .....	.....	Ladd's
North " .....	.....	"
South " .....	.....	"
West " .....	.....	"
East " .....	.....	"
*30	N. $\frac{1}{2}$ of 3	City
*50	6	"
*9	N. $\frac{1}{2}$ of 4	"
*143	6	"
+150	3 and 4	"
*315	E. $\frac{1}{2}$ of 8	"
*128	3	Caruthers
+32	all	"
*99	E $\frac{1}{2}$ of 2, 3	Couch
*291	2	"
+50 by 260 ft. in the N. E. $\frac{1}{4}$ of the donation land claim of Thomas and Minerva Carter.		

One-half of an acre, beginning at a point on the left bank of Willamette river, 10 feet south of the southeast corner of the pumping house, erected by the Portland Water Company in section 3, T. 1 S. R. 1 E. of W. M.

* Under control of the Portland Paid Fire Department Water Committee.

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

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

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

BLOCK.	LOT.	
*76	S $\frac{1}{2}$ of 7	Stephens addition
*47	N $\frac{1}{2}$ of E $\frac{1}{2}$ of 6	Holladay's " "
257	5 and 6	" "
*3	N $\frac{1}{2}$ of 13, 14, 15, 16,	Frush square

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

BLOCK.	LOT.	
*18	2	Albina
*29	14	Albina Homestead
*10	11	Proebstel's Addition
14	12, 13, 14, 15	" "
*14	13	Multnomah
9		All Albina Homestead

*Under control of the Portland Paid Fire Department.

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

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

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

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

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

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

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

The south half and the northwest quarter of the fractional block lying between Pine, A, 6th and 7th streets, purchased February 10th, 1872, for the improvement of Pine and North 7th streets.

A tract of land known as the intersection of Alder street, B street, 14th street and north 18th street, purchased, November 3, 1883, for the improvement of B street.

Lot 6, block 6, Watson's addition, purchased November 3, 1883, for the improvement of S street.

The undivided one-third of the west half of lot 2, block 36, Couch addition, purchased December 19, 1883, for the improvement of F street.

Lot 2 in north half of block K, city, purchased February 6, 1884, for the improvement of 11th street.

Lot 6, Block 8, Watson's addition, purchased January 16, 1884, for the improvement of S street.

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

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

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

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

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

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

A tract of land lying between the division line between the north and south halves of the Blackistone donation land claim and the south boundary line of Sherlock's addition and between the east side line of the proposed extension of north 21st 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 21st street.

Lots 5 and 6, block 2, Carter's addition; purchased July 9th, 1885, for the improvement of 15th street.

Lot 4, block 3, Carter's addition; purchased February 5, 1885, for the improvement of 15th 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 15th street.

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

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

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

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

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

Lots 2 and 3, block 3, Carter's addition; purchased February 5, 1885, for the improvement of 15th street.

South 21 feet of lot 1 in block A, Caruthers' addition; for the improvement of Hood street.

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

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

A tract of land which lies between the west line of North Sixteenth street and North Front street, and the east line of North Eighteenth street, and between the north line of the proposed extension of Wilson street, and a line 100 feet northerly from and parallel with the north line of the proposed extension of Wilson street, excepting the right of way of the Northern Pacific Railroad Company and the Northern Pacific Terminal Company; purchased January 16th, 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 26th, 1884, for the improvement of Tenth street.

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

The east half of lot 4 of south half of block I, City; purchased June 25th, 1885, for improvement of Tenth street.

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

Lot 2, block 2, Frush Square; purchased November 2d, 1872, for improvement of J street.

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

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

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

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

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

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

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

Lots 5, 6, 7, 8, block 105, Stephens' addition; purchased July 17th, 1880, for taxes.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Lots 5, 6, block 17, Tibbett's addition; purchased July 17th, 1880, for taxes.

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

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

DREDGING APPARATUS, ETC.

1 steam Dredger with machinery, tackle and apparel complete. 1 steam Tug, Louisa Vaughn, with tackle and apparel complete.

INVENTORY OF CITY PROPERTY IN COUNCIL CHAMBER, MAYOR AND AUDITOR'S OFFICES.

AUDITOR'S OFFICE—PUBLIC ROOM.

1 business counter.	1 office desk.
1 ice water tank and tumbler.	1 ink stand.
1 bid-box, padlock and key.	1 map city of Albina, 1891.
1 Lewis & Dryden Atlas.	1 gas lamp and rubber tubing.
1 map county of Multnomah.	1 letter scale.
1 3-jet chandelier.	1 city directory, 1893.
1 spittoon.	

AUDITOR'S OFFICE, PROPER.

1 Tilton & McFarland safe, old.	1 map case, solid oak.
1 large Hall's safe.	1 large pine case, with compartments.
1 small Webb safe.	1 tax-roll case.
1 large secretary, with box compartments and drawers.	1 walnut case, with box compartments and drawers.
1 pair shears.	1 walnut side case, with pigeon holes and compartments.
4 spittoons.	2 high desks.
2 3-jet chandeliers.	1 city seal.
2 2-jet chandeliers.	3 coal stoves and fixtures.
4 gas lamps and rubber tubing.	1 Remington typewriter and desk.
3 waste baskets.	1 book rest.
3 rotary office chairs.	3 oak chairs.
1 small walnut table.	3 cane-seated chairs.
1 book rack.	6 cane-seated stools.
2 office desks, folding top.	1 newspaper file.
3 office desks, common.	1 high oak-bottom stool.
3 arm rests.	1 thread cabinet.
5 ink stands.	4 Body Brussels carpets.
1 Seth Thomas calendar clock.	9 ballot boxes.
1 feather duster.	103 record boxes.
1 puncher.	250 ordinance books, codified 1892.
1 step-ladder.	
1 unabridged dictionary.	
6 office tables.	
1 Letter press and stand.	

MAYOR'S OFFICE.

1 3-jet chandelier.	1 walnut hat and umbrella rack.
2 spittoons.	1 ink stand.
1 2-jet chandelier.	1 folding secretary.
1 easy chair.	7 upholstered walnut chairs.
1 coal stove and fixtures.	1 Body Brussels carpet.
1 sofa.	1 rug.
1 walnut upholstered easy chair.	

COMMITTEE ROOM A.

1 committee table.	4 spittoons.
8 committee chairs.	1 hat and umbrella rack.
6 oak chairs.	1 map city of Portland, 1882.
1 coal stove and fixtures.	1 feather duster.
1 2-jet gas chandelier.	1 lobby bench.

COMMITTEE ROOM B.

1 committee table.	1 coal stove and fixtures.
8 cane-seated chairs.	1 2-jet chandelier.

COUNCIL CHAMBER.

2 coal stoves and fixtures.	5 cane-seated oak chairs.
5 lobby benches.	1 mayor's seat and table, with gavel and Cushing's Rules of Order and codified ordinances of 1892.
1 lobby railing.	1 canopy.
2 hat racks.	1 picture of Washington and his generals.
1 Body Brussels carpet.	1 reporters' table, with gas-light, 3 chairs, 3 spittoons and umbrella rack.
4 4-jet gas chandeliers.	16 portfolio books.
16 council chairs.	11 ink stands.
16 council desks.	3 black walnut cane seated chairs.
1 clerk of council table, with two chairs.	
11 spittoons.	
1 sergeant-at-arms chair.	
1 marble-top table with pitcher	
1 oak table with pitcher.	
2 umbrella racks.	

ANNUAL REPORT

OF THE

CITY TREASURER,

For the Year Ending December 31, 1893.

Balance Dec. 31st, 1892	\$ 166,334 10½
Rec'd from all sources	1,158,985 11
Disbursed the sum of . . . \$1,176,208, 74½	
Balance Dec. 31st, 1893	149,110 47
	<hr/>
	\$1,325,319 21½ 1,325,319 21½

GENERAL FUND.

Balance Dec. 31st, 1892	\$ 19,100 22½
Received 30 per cent. of \$418,975.65, tax 1893	125,692 69
Rec'd general licenses.	171,383 40
“ dog license	2,177 25
“ C. H. Carey fines, costs, Police and Municipal Court.	11,527 45

Amount carried forward, \$ 329,881 01½

<i>Amount brought forward,</i>		\$ 329,881 01½
Rec'd C. H. Hunt 30		
per cent. of		
\$14,009.85 dlq		
taxes, 1893. . .	4,202 96	
“ Delinquent taxes	1,857 92	
“ C. H. Hunt, costs	2,908 66	
“ G. W. Ross, p'nd		
fees	1,694 50	
“ R. A. Heintz &		
Co., on acc't		
for lamp posts		
sold	429 77	
“ W. T. Branch,		
ordinances sold	25 00	
“ A. N. Gambell,		
ordinances sold	5 00	
“ L. P. Anderson,		
costs Holladay		
ave. sewer	3 00	
“ Port. Gen. Elect.		
Co., purchase		
of light plant	27,000 00	
“ W. Palmer, use		
of water from		
park	41 35	
“ S. & L. Freedman		
for old lamp		
posts	119 00	
“ Z. E. Perkins,		
costs adv. imp.		
E. Eighth st..	1 50	
<i>Amount carried forward,</i>		\$ 368,169 67½

<i>Amount brought forward,</i>		\$ 368,169 67½
Rec'd Jas. Conner horse		
sold	15 00	
“ Redemptions of		
property sold		
for delinquent		
tax	349 03	
“ F. Walcott, for		
peddling	20 00	
“ C. M. Myers,		
mare sold	10 00	
“ H. J. McInnis, 2		
horses sold . . .	55 00	
“ C. M. Myers,		
water furnished		
J. Loewenberg	3 50	
“ H. D. Gradon, 2		
lamps sold	2 00	
“ W. Johnson, oil		
and tank sold	8 00	
“ G.S. & L. Society		
costs imp. E.		
Eighth st.	1 50	
“ C. & S. Ry. Co.,		
repairs to Sul-		
livan gulch bdg	15 85	
Tr. from general fund		
Sellwood	14	
“ St. improve-		
ment fund	658 56½	
“ sewer fund	5,062 25	
“ street exten-		
sion fund	135 51	
<i>Amount carried forward,</i>		\$ 374,506 02

Amount brought forward, \$ 374,506 02

Tr. to street lamp fund	\$ 78,000 00	
“ St. cleaning and sprinkling fund	57,500 00	
“ St. improvement funds	2,530 64	
“ sewer funds	3,871 56	
“ street extension funds	1,315 00	
“ street and sewer interest fund	368 73	
Bonds redeemed and returned	43,500 00	
Warrants paid and returned	174,671 25	
Balance Dec. 31st, 1893	12,748 84	
		\$ 374,506 02 \$ 374,506 02

FIRE DEPARTMENT FUND.

Balance Dec. 31st, 1892	\$ 13,449 28	
Rec'd C. A. Freeman, sec'y	619 05	
“ 32½ pr c. \$418,975.65 taxes, 1893	136,167 09	
“ C. H. Hunt 32½ per cent. \$14,009.85, delinq. taxes, 1893	4,553 20	
Warrants paid and returned	151,793 21	
Balance Dec. 31st, 1893	2,995 41	
		\$154,788 62 \$154,788 62

POLICE DEPARTMENT FUND.

Balance Dec. 31st, 1892	\$ 12,437 72	
Rec'd 27½ pr ct. \$418,975.65 taxes, 1893	115,218 31	
“ C. H. Hunt 27½ per cent. \$14,009.85 delinquent taxes, 1893	3,852 71	
Amount refunded by Golden Rule Bazaar	2 50	
Warrants paid and returned	119,240 18	
Balance Dec. 31st, 1893	12,271 05	
		\$131,511 23 \$131,511 23

STREET CLEANING AND SPRINKLING FUND.

Balance Dec. 31st, 1892	\$ 4,678 23	
Transferred from general fund	57,500 00	
Warrants paid and returned	61,686 98	
Balance Dec. 31st, 1893	491 25	
		\$62,178 23 \$62,178 23

STREET IMPROVEMENT FUND.

Balance December 31, 1892	\$ 28,145 94	
Received sundry collections	186,109 33	
Transferred from Gen'l Fund	2,530 64	
“ to “ “ \$	658 56½	
Warrants paid and returned	197,298 06½	
Balance December 31, 1893	18,829 28	
		\$216,785 91 \$216,785 91

SEWER FUND.

Balance December 31, 1892..	\$ 2,679 70	
Received sundry collections..	216,255 45	
Transferred from Gen'l Fund	3,871 56	
" to " " \$	5,062 25	
Warrants paid and returned..	209,600 32	
Balance December 31, 1893..	8,144 14	
	<hr/>	
	\$222,806 71	\$222,806 71

STREET EXTENSION FUND.

Balance December 31, 1892..	\$ 5,396 78	
Received sundry collections..	32,272 44	
Transferred from Gen'l Fund	1,315 00	
" to " " \$	135 51	
Warrants paid and returned..	35,094 39	
Balance December 31, 1893..	3,754 32	
	<hr/>	
	\$ 38,984 22	\$ 38,984 22

BONDED INDEBTEDNESS INTEREST FUND.

Balance December 31, 1892..	\$ 24,842 13	
Rec'd 10 per ct. \$418,975.65		
tax 1893	41,897 57	
Rec'd C. H. Hunt, 10 per ct.		
\$14,009.85 delin. tax 1893	1,400 98	
Warrants paid and returned..\$	105 49	
Coupons " " "	47,717 50	
Balance December 31, 1893..	20,317 69	
	<hr/>	
	\$ 68,140 68	\$ 68,140 68

NOTE—Balance of \$20,317.69, bonded indebtedness Interest Fund, is made up of \$15,457.69 on hand and \$4,860.00 in New York to redeem interest coupons, payable in New York.

STREET LAMP FUND.

Balance December 31, 1892..	\$ 315 40	
Transferred from Gen'l Fund	78,000 00	
Rec'd from Port'd Gen't Elec.		
Co. for Carbons.....	1,639 55	
Rec'd from W. T. Branch,		
returned ins. premiums ...	33 00	
Warrants paid and returned..\$	75,059 79	
Balance December 31, 1893..	4,928 16	
	<hr/>	
	\$ 79,987 95	\$ 79,987 95

WILLAMETTE RIVER FUND.

Balance December 31, 1892..	\$ 84 11	
Warrants paid and returned..\$	75 40	
Balance December 31, 1893..	8 71	
	<hr/>	
	\$ 84 11	\$ 84 11

WATER BOND INTEREST FUND.

Balance December 31, 1892..	\$ 17,575 00	
Rec'd from City Water Com.	46,250 00	
Coupons paid and returned..\$	33,775 00	
Balance December 31, 1893..	30,050 00	
	<hr/>	
	\$ 63,825 00	\$ 63,825 00

STREET AND SEWER INTEREST FUND.

Balance December 31, 1892..	\$ 1,490 58	
Received sundry collections.	2,213 68	
Transferred from Gen'l Fund	368 73	
Warrants paid and returned..\$	1,847 21	
Balance December 31, 1893..	2,225 78	
	<hr/>	
	\$ 4,072 99	\$ 4,072 99

FIRE BADGE REDEMPTION FUND.

Balance December 31, 1892.		\$	78 00
Balance December 31, 1893.	\$	78 00	
		<u>78 00</u>	<u>78 00</u>
	\$	78 00	\$ 78 00

WATER FUND—EAST PORTLAND.

Balance December 31, 1892.		\$	26,999 95
Received Walter Johnson...			290 00
Warrants paid and returned.	\$	8,283 25	
Balance December 31, 1893.		19,006 70	
		<u>27,289 95</u>	<u>27,289 95</u>
	\$	27,289 95	\$ 27,289 95

BOULEVARD FUND.

Balance December 31, 1892.		\$	4,614 02
Warrants paid and returned.	\$	3,851 75	
Balance December 31, 1893.		762 27	
		<u>4,614 02</u>	<u>4,614 02</u>
	\$	4,614 02	\$ 4,614 02

SELLWOOD GENERAL FUND.

Rec'd from Treas. of Sellwood		\$	14
Transferred to Gen'l Fund.	\$	14	
		<u>14</u>	<u>14</u>
	\$	14	\$ 14

EAST SIDE WATER EXPENSE FUND.

Balance December 31, 1892.		\$	4,447 04
Rec'd from Walter Johnson.			20,660 79
Warrants paid and returned.	\$	12,608 96	
Balance December 31, 1893.		12,498 87	
		<u>25,107 83</u>	<u>25,107 83</u>
	\$	25,107 83	\$ 25,107 83

GENERAL SUMMARY.

Balance as stated. \$149,110 47

Credited as follows:

General fund.	\$	12,748 84
Fire department.		2,995 41
Police "		12,271 05
Street cleaning and sprinkling.		491 25
Street improvement.		18,829 28
Sewer.		8,144 14
Street extension.		3,754 32
Bonded indebtedness int'st.		20,317 69
Street lamp.		4,928 16
Willamette river.		8 71
Water bond interest.		30,050 00
Street and sewer interest.		2,225 78
East Side water expense.		12,498 87
Fire badge redemption.		78 00
Water, East Portland.		19,006 70
Boulevard.		762 27

\$149,110 47 \$149,110 47

STREET IMPROVEMENT FUND.

Balance in this fund as stated \$18,829 28

Credited as follows:

5th, Stephens to Adams...	\$	58 13
M 4th to 12th.....		43 16
Clinton, 12th to 21st.....		62 73
Williams ave., Grant to Going.....		279 33
R.....		186 75
Chapman.....		35 05
N. 14th, B. to U.....		220 66
S. Front, Gaines to 1st ave.		18 55
Hood, old.....		14 64
Taylor, 10th to 14th.....		1 41
N. 18th.....		27 67
Whitaker.....		12 46
S. 2d, Sheridan to Gibbs..		798 59
12th.....		71 16
Clifton.....		155 15
Kelly, Grover to Abernethy		11 40
Caruthers, Hood to 6th....		21 23
N. 16th, S. to N. Front...		100 00
13th, Colledge to Hawthorne		344 04
Clay, 4th to E. bnd'y city.		4 80
5th, K to Ellsworth.....		402 81½
Myrtle, 13th to 19th.....		135 64
13th. D to J.....		4 06
G, east to west end.....		162 33
N. 16th. G to M.....		50 00
Wash., 2d to B.....		58 84
C, 2d to Cherry.....		49 83

Amounts carried forward, \$18,829 28 \$ 3,330 42½

Am'ts bro't forward,\$ 18,829 28 \$3,330 42½

Elliott, Helm to Williams..	91 62
N. 22d, J. to P.....	108 58
Pacific, Maple to 12th....	14 84
H, 22d to 23d.....	24 75
Alder, 5th to 15th.....	68 98
G, Front to west line blocks 280 and 281....	1 43
N. 23d, F to J.....	45 54
Missouri ave, Mult. to Grant	44 05
G, 3d to West Park.....	13 74
Multn'mah, Grover to Curry	9 10
Morris, Helm to Margaretta ave.....	203 16
N. 18th, M to T.....	15 52
3d, Main to Glisan.....	43 37
Russell, Williams to Union	13 75
E. Glisan, 9th to 12th....	6 00
Mississippi ave, Russell to Skidmore.....	136 40
East Sacramento, 7th to Union ave.....	94 95
E. 16th, Hol'day to Belmont	45 73
Weidler.....	137 57
E. 12th, Hancock to Thomp- son.....	8 51
7th, G to J.....	202 45
Washington, Burnside to City Park.....	77 35
E 8th, Flanders to River- side Homestead.	2,392 55

Am'ts carried forward, . \$18,829 28 \$ 7,130 36½

<i>Am'ts bro't forward,</i>	\$18,829 28	\$ 7,130 36½
Shaver, Maryland to Williams ave		34 04
Gantenbein, Russell to Morris		39 61
Montana ave, Fremont to Multnomah	680 64	
Northrup, 16th to 21st	48 66	
Hawthorne ave	78 50	
E. 20th, Hawthorne to E. Stark	900 97	
24th, Johnson to Northrup Union ave, Broadway to Schuyler	43 03	85 34
Kearney, 21st to 24th	4 25	
U, Bridge to E. 7th	2 02	
E. Stark, 16th to 20th	6 00	
3d, Lincoln to Sheridan	12 73	
E. Oak, 2d to Water	69 14	
E. 8th, Ainsworth to Dekum ave	297 39	
Union ave., Morris to Prescott	646 09	
Wasco, 1st to 9th	13 81	
4th, Sellwood	16 81	
Tacoma ave., Sellwood	20 67	
Spokane ave., "	60 28	
5th, "	47 08	
Umatilla ave., "	97 95	
Morrison, Front to Chapman 17th, Raleigh to 150 ft. S.	154 47	1 00
Shaver, Williams to Union	12 75	

Am'ts carried forward, \$18,829 28 \$10,503 59½

<i>Am'ts bro't forward,</i>	\$18,829 28	\$ 10,503 59½
E. 17th, Morrison to E. Stark Cambridge		5 25
E. Harrison		21 00
Cleveland ave.		10 14
Hoyt, 9th to 10th		3 75
24th, Glisan to Savier		1 50
Vancouver, Russell to Morris		45 75
Willamette	15 25	
Nebraska	7 25½	
Fremont	37 24	
Portsmouth ave	3 00	
Northrup, 9th to 12th	21 60	272 99
6th, Morrison to Hoyt	553 78	
Beacon, Milwaukee to E. 8th Mississippi ave, Goldsmith to Russell	65 27	237 48
Lewis	65 06	
Cable	37 06	
Milwaukee and E. 11th	577 43	
Powell	2,748 26	
E. Morrison	3 25	
Hawthorn Terrace	49 85	
Minnesota ave, Beech to Prescott	652 07	
1st, Madison to Clay	7 00	
E. Burnside	1,777 24	
Stark, 2d to 3d	75	
Mallory ave	128 53	
E. Stark, Water to 16th	977 93	

\$ 18,829 28 \$ 18,829 28

SEWER FUND.

Balance in this fund as stated § 8,144 14

Credited as follows:

P.....	374 62
15th, Market and 14th....	25 42
13th, Montgomery to Mar- ket	44 50
N. 20th, B to F.....	7 00
Q	425 19
Marquam gulch.....	18 45
Portland Heights	233 40
20th	6 86
E. Oak et al	112 15
Lovejoy	260 44
Pennoyer	85 60
1st, Gaines to Pennoyer...	125 00
Williams' ave. et al.....	309 60
Grand ave., Stark to Alder	40 40
Whitaker.....	111 58
Grand av., Market to Alder	96 50
Grand ave., Weidler to Holladay	30 20
Albina avenue.....	21 69
E. Alder et al	5,578 15
Kearney, 23d to 25th....	52 22
Madison.....	1 00
Mill.....	39 42
E. 9th.....	4 10
E. 1st et al.....	97 32
E. 11th.....	32 60
Union ave	10 73

§ 8,144 14 § 8,144 14

STREET EXTENSION FUND.

Balance in this fund as stated § 3,754 32

Credited as follows:

V.....	472 50
Heights terrace.....	10 00
W.....	671 00
X	138 00
4th, Goldsmith to Hassalo	153 75
S. 5th, 200 ft. S. Sheridan to Hooker	161 92
11th, Division to Clinton..	14 70
9th	30 00
5th, K to U.....	8 95
Vancouver ave.....	97 00
Q	60 00
Hawthorne ave	19 40
S. 5th.....	10 00
Cable	96 70
Powell	36 30
Belmont.....	18 00
E. 5th	165 00
5th, Holladay to E. Stark.	256 00
26th	921 10
Dawson	250 00
E. 14th	160 00
15th	4 00

§ 3,754 32 § 3,754 32

All of which is respectfully submitted,

FRANK HACHENEY,
City Treasurer.

REPORT OF
THE SUPERINTENDENT OF STREETS.

OFFICE OF THE SUPT. OF STREETS, }
PORTLAND, OREGON, Jan. 2, 1894. }

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

GENTLEMEN—Since the last annual report from this office the size of the City has been considerably increased by an act of the Legislature of the State of Oregon, extending the boundary line of the City so as to include about sixteen square miles of new territory, an increase in land area of more than one-half, and bringing into the City a large number of suburban additions, the most important of which is the formerly incorporated Town of Sellwood.

The total area of the City is now about forty square miles, of which about ten square miles are situated on the west side of the Willamette river, and over two square miles is water area in the river.

The amount of street work done during the year shows a considerable falling off from that

done in the year 1892, owing to the general financial depression under which the entire country, as well as our own City, has been struggling, and your Honorable Body has wisely seen fit to order improvements made only at such places as the property owners who would pay for the same, were largely in the majority in demanding.

It is a matter of almost universal regret that the law known as the "Bancroft Bonding Act" was declared invalid by the Courts, as by its provisions many needed improvements would have been made, that it has been otherwise necessary to defer.

The street and sewer work which would undoubtedly have been done under said law would have provided work for many men, and in a great measure solved the problem of what to do with our unemployed; at the same time the expense entailed on the property owner would be deferred and made payable in installments so as to lighten the burden of the assessment caused by such improvements.

The problem of laying a durable and economical pavement is yet to be solved for the city. The Trinidad Pitch Lake Asphalt pavement laid during the present year on Morrison street from Front to Chapman streets, and on Sixth street from Morrison to Hoyt street, has not been down a sufficient length of time to

test its durability in this climate. The pavement on Sixth street appears to be wearing well, and so far fulfills all claims made by the advocates of that class of pavement, while the pavement on Morrison street is crumbling next to the line of the car tracks, necessitating some repairs to the same. This is, however, probably due to the car tracks not being laid on a substantial foundation, and the constant jarring of the track by cars and heavy vehicles passing over the same.

The vitrified brick pavement seems to be gaining in favor in other cities. One block of this class of pavement was laid by private contract early in the year, on Stark street, between Front and First streets, and has been subjected to exceedingly heavy traffic. So far, there is hardly any sign of wear, although the contractors admit that the brick used was an experiment and not a first-class paving brick, but notwithstanding this fact, it is a question, if it is not the best piece of pavement in the city, being practically noiseless, affording a firm footing for horses and presenting a neat and pleasing appearance.

There has been but one piece of wooden block pavement laid in the city during the past several years, viz.: On Yamhill, between Second and Third streets, but it being such a small part of one block, will not afford much of a test as to its comparative merits.

The Belgian stone block pavement, if properly laid on a foundation of concrete, would undoubtedly be the best pavement for the wholesale district, where streets are subject to continual heavy trucking. If laid on a proper foundation, much of the noise would be obviated; and when once so laid, it would be almost indestructable.

The Macadam streets, on account of the cost, will probably be the favorite for the residence portion of the city, as there is no doubt that a great deal of unfavorable comment is made on these streets which they do not justly deserve. No cheap pavement can be put on a street and left to take care of itself for a number of years—which has always been the case with our streets—without becoming unsightly and uneven, caused mostly in our damp climate by the foundation settling. In my opinion, our streets will never present a creditable appearance, until such time as the Charter is so amended that the city will take charge of the streets, and keep them in repair after once permanently improved by the property owner. The cost of so doing would not be great compared with the benefit derived. At the present time this department is powerless to act, until a street becomes actually dangerous.

It will be necessary to change the names of some streets brought into the city under the

new Charter, as there are a number of duplications of names already adopted by Ordinance.

There is also a large area of the suburban portion of the city where it is impossible for this office to furnish information in regard to the proper numbering of houses. This is owing to there being no complete map of the city in existence from which the desired data can be obtained. I, however, have such a map now well under way, and will have the same hurried to completion as fast as my present office force will admit of, when a list of all duplications of street's names will be prepared and submitted for your consideration, and also such suggestions as may be pertinent, if any are necessary, in regard to the numbering of houses in the outlying districts. There are many streets which have been improved, and buildings erected adjoining thereon, since any street signs have been put up. This should be attended to; but I would suggest that the matter be deferred until such time as the map referred to will be completed, when the same can be done in a systematic manner.

I would suggest that a plat of all street extensions which have formerly or may hereafter be made, be specially prepared by the City Surveyor, and that your Honorable Body make provision to have the same placed on

record in the office of the County Recorder. This will make the county records complete, and greatly simplify to the general public the ascertaining of where changes have been made in streets at variance with the original recorded plat.

Wherever cement is used in either street or sewer work there is most always considerable adverse criticism in regard to the quality of such work. This office is not provided with any means of testing cement, and as long as the proper proportions are used, and the cement is of a known standard brand, which is not always a guarantee as to quality, this office is powerless to reject the same. More universal satisfaction would undoubtedly be given if the city was provided with a cement testing machine, and require that all cements used on public works be subjected to a test. The cost of such a machine would not exceed \$200.00.

The planting of cottonwood shade trees in streets should be entirely prohibited, as the roots of these trees force their way inside of the sewers, blocking up the passages and causing a great deal of trouble, as the only means of removing an obstruction of this kind is by digging up the sewer.

PLANS FOR SEWERS.

The following plans were prepared by this office during the past year, to-wit:

Benton street sewer from the south line of Dixon street to Clackamas street, thence in Clackamas street to the sewer in Larrabee street.

East Eleventh street sewer from the south curb line of Broadway street to the sewer in Multnomah street.

East Twelfth street sewer from the south curb line of Broadway street to Multnomah street, thence in Multnomah street to East Eleventh street, thence in East Eleventh street to the Holladay avenue sewer.

First street sewer from the north line of Gaines street to the Pennoyer street sewer.

East First street sewer from the Holladay avenue sewer to Schuyler street, thence in Schuyler street to Grand avenue, thence in Grand avenue to Hancock street, thence in Hancock street to a point 75 feet east of East Sixteenth street.

Fourth street sewer from the Glisan street sewer to a point 100 feet north of Hoyt street.

Grand avenue sewer from the south line of East Stark street to East Alder street sewer.

Grand avenue sewer from the north line of East Market street to East Alder street sewer.

Grand avenue sewer from the south line of Weidler street to the Holladay avenue sewer.

Kearney street sewer from the east line of Twenty-third street to the east line of Twenty-fifth street.

Knott street sewer from Mississippi avenue to a point $138\frac{3}{4}$ feet east of Mississippi avenue.

Madison street sewer, from a point 120 feet east of Chapman street to the sewer in Chapman street.

Mill street sewer, from a point 130 feet west of Sixteenth street to the sewer in Chapman street.

East Ninth street sewer, from the south curb line of Broadway street to the sewer in Holladay avenue.

Ross street sewer, from a point 80 feet north of Broadway to the south line of Dixon street.

East Third street sewer, from the Holladay avenue sewer to a point 75 feet north of Weidler street.

East Twelfth street sewer, from the north curb line of Division street to the sewer in Hawthorne avenue.

East Twelfth street sewer, from the north curb line of Broadway street to the sewer in Hancock street.

Twenty-first street sewer, from a point 50 feet north of Market street to the sewer in Jefferson street.

East Thirty-fourth street sewer, from the sewer in East Yamhill street to a point 100 feet north of Belmont street.

Union avenue sewer, from the south line of Weidler street to the sewer in Holladay avenue.

Union avenue sewer, from a point 100 feet north of the north line of Siskiyou street to the sewer in Morris street.

Vancouver avenue sewer, from a point 100 feet north of Hancock street to the sewer in Wheeler street.

Whitaker street sewer, from a point 100 feet west of Hood street to the Thomas creek sewer.

Wood street gulch sewer, from the west line of First street to the Thomas creek sewer.

East Yamhill street sewer, from the west side of East Thirty-fourth street to the east side of East Thirty-fifth street.

Bancroft avenue sewer, from the west line of First street to the sewer in Corbett street.

East Ninth street sewer, from the north curb line of East Sherman street to the sewer in Hawthorne avenue.

Plans for a sewer in East Flanders, East Second, East Glisan, East Sixth, Oregon, East Ninth and Pacific streets.

Albina avenue sewer, from a point 25 feet north of Page street to the sewer in Russell street.

Knott street sewer, from a point 40 feet west of Kerby street to the sewer on Borthwick street.

PLANS FOR ELEVATED ROADWAYS.

Marshall street elevated roadway, from a point 100 feet east of Ninth street to the east line of Eleventh street.

Schuyler street elevated roadway, from the east line East Fifth street to a line 50 feet east of East Sixth street.

East Taylor street elevated roadway, from 60 feet west of Tenth street to 60 feet west of Eleventh street, and from 150 feet east of Sixteenth street to 310 feet east of Sixteenth street.

Tenth street elevated roadway, from the north line of Lovejoy street to the westerly line of Front street.

East Stark street, from the east line of East Water street to the center line of East Seventh street, and from 50 feet east of East Ninth street to the west line of East Twelfth street.

Northrup street elevated roadway, from a line 100 feet east of Ninth street to a line 70 feet east of Twelfth street.

Powell street elevated roadway.

REPAIRS.

The following elevated roadways have been repaired during the past year :

The elevated roadway on Union avenue between East Everett and East Glisan streets has been recovered with new stringers and 4-inch covering plank for a distance of 200 feet, besides several new bents have been constructed therein, requiring 24,000 feet of lumber.

The elevated roadway on Union avenue between East Oak and East Washington streets has been recovered for a distance of 300 feet, requiring 15,000 feet of lumber.

The elevated roadway on East Oak street between Union avenue and East Seventh street has been recovered, and bents repaired requiring 4,000 feet of lumber.

The elevated roadway on East Twentieth and East Yamhill streets has been recovered, using 8,000 feet of lumber.

Besides the above, the following roadways have had various repairs made:

Elevated roadway on East Clay street between East First, and East Second streets, repaired with old lumber.

Elevated roadway on East Grant and Caruthers streets, 4,000 feet of lumber used in general repairs.

Elevated roadway on East Twelfth street, between East Oak and East Stark streets, 2,000 feet of lumber used in repairs.

Elevated roadway on East Third street, between East Oak and East Washington streets, 5,000 feet of lumber used in repairs.

Elevated roadway on East Washington street between East Water and Union avenue, redecked.

Elevated roadway on East Morrison street between East Water street and Union avenue, repaired with old lumber.

Elevated roadway on East Water street between East Oak and East Clay streets, 15 blocks in length, has had many repairs, and will have to be redecked this season.

Elevated roadway on East Morrison street, between East Seventh and East Ninth streets, repaired with old plank.

Elevated roadway on East Belmont street, between East Eighth and East Ninth streets, partially redecked with old lumber, will need repairs soon.

Elevated roadway on East Washington, between East Sixth and East Eighth streets, 2000 feet of lumber used in repairs.

Elevated roadway on Grand avenue, between East Oak and East Stark streets, bents and covering repaired; will have to be recovered soon.

Elevated roadway on Grand avenue, between East Everett and East Glisan streets, 1200 feet of lumber used in repairs; will require new covering this season.

Elevated roadway on East Twelfth street, between East Irving and Broadway streets, repaired.

Elevated roadway on Union avenue, between East Morrison and East Madison streets, had many repairs; will have to be redecked this season.

Elevated roadway on Seventeenth street, from center line of Northrup street to 50 feet north of Quimby street, redecked.

Elevated roadway on Twelfth street, from north line of Overton street to north line of Quimby street, redecked and one new bent constructed.

Elevated roadway on Hood and Sheridan streets, redecked.

Elevated roadway on Hood and Woods streets, redecked.

Elevated roadway on Front and Sheridan streets, four new bents constructed and 200 feet of new covering.

Elevated roadway on First and Sheridan streets, six new bents constructed and sway braces repaired.

Elevated roadway on Corbett and Pennoyer streets, foundation repaired and three new bents constructed.

Elevated roadway on Corbett and Woods streets, foundation repaired.

Elevated roadway on Front and Gaines streets, bents repaired.

Elevated roadway on First and Woods streets, foundation repaired.

Elevated roadway on Thurman and Thirtieth streets, foundation repaired.

Elevated roadway on Eleventh and Northrup streets, one new bent constructed and 100 feet of roadway redecked.

Elevated roadway on Fifteenth and Quimby streets, partly redecked and two new bents constructed.

Elevated roadway on Pettigrove and Seventeenth streets, redecked.

Elevated roadway on Alder street, bents braced.

Elevated roadway on Chapman and Alder streets, five bents repaired.

Elevated roadway on Chapman and Taylor streets, foundation and covering repaired.

Elevated roadway on Nineteenth street, between Washington and Alder streets, 150 feet of new covering and foundation repaired.

Elevated roadway on Front street near Hall street, 200 feet of deck repaired with new and old lumber.

STREETS.

The following tabular statement shows the amount of street work completed during the past year:

UNDER ORDINANCE.

	LINEAL FEET
Sidewalk.....	70,401
Crosswalk, wood.....	12,141
Crosswalk, stone.....	595
Macadam.....	4,400
Gravel.....	27,845
Bridging and elevated roadways.....	980
Sewers.....	79,911
Stone block pavement.....	490
Plank roadway.....	2,762
Trinidad Pitch Lake Asphalt pavement.....	7,680

UNDER PERMIT.

	LINEAL FEET.
Sidewalk, wood.....	61,446
Sidewalk, cement.....	5,927
Crosswalk.....	325
Gravel.....	9,249
Macadam.....	1,820
Plank roadway.....	1,237
Brick pavement.....	200
Wooden block pavement.....	100

UNDER NOTICES.

	LINEAL FEET.
Sidewalk.....	22,231
Crosswalk.....	6,283
Plank roadway.....	385

AGGREGATE.

	LINEAL FEET.
Sidewalk, wood.....	154,078
Sidewalk, cement.....	5,927
Crosswalk, wood.....	18,749
Crosswalk, stone.....	595
Macadam.....	6,220
Gravel.....	37,094
Bridging and elevated roadways.....	980
Sewers.....	79,911
Stone block pavement.....	490
Plank roadway.....	71,475
Trinidad Pitch Lake Asphalt pavement.....	7,680
Brick pavement.....	200
Wooden block pavement.....	100

NOTICES ISSUED.

To refill holes in streets.....	53
To repair sidewalk and crosswalk.....	1494
Miscellaneous notices.....	270

Total notices..... 1817

PERMITS ISSUED, 1893.

To dig streets for gas.....	27
To dig streets for sewer.....	503
To dig streets for water.....	175
To use streets for moving buildings.....	27
To use streets for building purposes.....	522
To improve streets by grading, etc.....	670
To erect private electric lights.....	16

BUILDING PERMITS.

Cost of buildings as shown by permits, \$2,151,597.00

SEWERS.

The sewerage system of the city has been so largely increased within the last two years, that it requires a special force cleaning catch basins and removing obstructions, so as to keep the sewers in proper condition to readily remove all sewage and surface water. Notwithstanding the utmost vigilance, a sewer will occasionally get stopped. This has been the case more especially at the heads of large brick sewers in Marquam gulch, Tanner creek and Johnson creek, where, during exceedingly heavy rains, a large amount of debris is carried down the streams, emptying into these conduits, and despite all efforts of men placed to keep the gratings clear, logs, brush and rock have piled up faster than they could be removed, forming a dam, and turning the torrent of water down the highways. While the amount of damage has been slight, it is a matter of great regret, although unavoidable, that such annoying disasters should occur. Extra gratings have been placed above the heads of all these sewers, which will tend to greatly obviate this difficulty. It will always be a source of trouble at the heads of these sewers, until such a time as they are extended farther up the canyons, so as to lessen the quantity of debris carried down the streams. The sewers are all ample in size to carry off all storm water, but the debris, which is the sole source of au-

noyance, must be got rid of before the difficulty is entirely alleviated.

An examination of the Johnson creek sewer made early last fall, showed this sewer to be in a very bad condition. This sewer was constructed entirely of brick, contrary to original plans prepared by the then Superintendent of Streets. During every heavy storm immense quantities of rock are swept through this sewer, and the abrasion has worn the bottom entirely through in places. As soon as such condition was discovered and permission could be obtained from your Honorable Body, I proceeded to make such repairs as were urgent by putting a concrete bottom in all places worn through. Before the work could be completed the rains set in, since which it has been impossible to do any further work on same. It will, in all probability, be necessary to put almost an entire new bottom in this sewer during the coming season, and there is a probability that the sewer walls may collapse before repairs can be made. If a false idea of economy had not pervaded the Common Council at that time, contrary to the judgment and advise of the Superintendent of Streets, by which common brick were substituted for stone blocks, such a hazardous state of affairs would not exist. I recommend that a bottom of stone blocks be put in this sewer during the coming year.

The brick and stone sewer, commencing in East Alder street at the Willamette river and by a circuitous route terminating at East Thirty-fourth and East Yamhill streets, has recently been completed and accepted. This is the largest sewer ever constructed in the city, being about two and a half miles in length. The sewer is circular in form with a clear inside diameter of eighty-four inches at the mouth, and diminishing in size to thirty-four inches in diameter at the head. Many unfavorable circumstances were met with by the contractors in prosecuting this work, which had the effect of increasing the cost of construction several thousand dollars above the original estimate. The increase was mostly in the one item of concrete; many places requiring such a foundation not anticipated when the plans and estimates were prepared.

Repairs were made to the sewer in Davis street, at Front street and at Second street during the past summer. The sewer, when originally laid, was through a bed of quicksand at these places, and no concrete being used the foundation was inadequate, and as a consequence the pipe settled and broke. This occurred during the summer freshet, and it was impossible to repair the same until the water in the river receded below the grade of the sewer, thus keeping the basements along the street flooded for several weeks before repairs

could be made. A concrete foundation was put in; and the pipe relaid as soon as it was possible to do the same.

Basements were also flooded on Burnside street for a short time, occasioned by the lamp hole between Fourth and Fifth streets settling and breaking in the sewer pipe. This was remedied by taking out the lamp hole pipe and substituting a straight joint of pipe in the sewer, doing entirely away with the lamp hole.

A similar occurrence happened to the Clay street sewer between Water street and the river, and was remedied in the same manner.

A break in the Northrup street sewer was caused by a wooden trestle giving away, where the same was carried over low ground when constructed, the street afterward being filled in. This was repaired by putting in rock foundation, and laying thirty-two feet of new sewer pipe.

A stoppage in the Mill street sewer at Park street was caused by the roots of cottonwood shade trees forcing their way between the joints of the sewer pipe, and growing therein so as to completely choke the pipe.

A break also occurred in the Washington street sewer at Lownsdale street, caused by a leak in the water-main undermining the foun-

dition. To repair this sewer, it was necessary to dig up the bituminous pavement for a considerable distance before the break could be located. It required twenty-six feet of new pipe laid in a concrete foundation to make the necessary repairs.

Numerous repairs have also been made in man-holes and catch-basins.

Twenty-six new catch basins have been constructed at the following places and paid for out of the General Fund, to-wit:

13	catch basins in Sixth street, between Pine and Glisan streets.
1	" in Second street at Sheridan street.
3	" in Third street at Stark, Everett and Flanders streets.
2	" in Fourth street at Stark and Oak streets.
1	" in Fifth street at Stark street.
1	" in Sixth street at Glisan street.
1	" at King and Washington streets.
1	" at Twenty-first and Thurman streets.
1	" at Cable and Mill streets.
1	" at Chapman and Montgomery streets.
1	" in Thomas creek gulch near Kelly street.

The following tabular statement shows the amount of sewers completed during the past year.

SEWER WORK FINISHED IN 1893.

Name of Sewer.	No. of Ord.	Kind of Sewer	Size in Inches	Est. Length in feet	Date of Contract	Date of Acceptance	Name of Contractor	Contractor's Bid
East Third street	8133	Tr. Cotta	10, 12	1660	Feb. 27, 1893	Apr. 11, 1893	B. S. Reilly	\$ 1,522 58
East First street	8134	"	8	218	Feb. 27, 1893	Mar. 21, 1893	B. S. Reilly	188 10
Whitaker street	8151	"	8	635	Mar. 17, 1893	May 8, 1893	J. D. Wickliff	488 35
Mill street	8378	"	8	370	July 1893	Aug. 31, 1893	Towey & Frai'y	223 59
Grand avenue	8204	"	8	490	Apr. 10, 1893	July 10, 1893	John Durphy	845 08
Grand avenue	8205	"	10	2585	Apr. 10, 1893	July 12, 1893	John Sexton	2,999 54
Knott street	8221	"	8	272	Apr. 26, 1893	July 10, 1893	Frainey & K't'g	144 48
Benton street	8222	"	10, 12, 14	1748	Apr. 1893	June 6, 1893	J. H. Kelly	1,601 68
Grand avenue	8223	"	10, 12, 14	1522	Apr. 26, 1893	June 6, 1893	B. S. Reilly	1,430 58
E. First, Schuyler, etc.	8227	"	10 to 24	6202	May 22, 1893	Sept. 11, 1893	Frainey & K't'g	8,704 05
Albina avenue	8272	"	10	470	May 22, 1893	Jun. 24, 1893	E. J. Tracy	299 13
Kearney street	8291	"	10, 12	1040	Jun. 25, 1893	Aug. 1, 1893	B. S. Reilly	676 76
Madison street	8292	"	8	217	July 31, 1893	Aug. 1, 1893	B. S. Reilly	72 93
East Ninth street	8298	"	10, 12, 14	2292	July 31, 1893	Sept. 11, 1893	AM & HG Smith	1,433 48
East Eleventh street	8299	"	8, 10, 12	1288	July 31, 1893	Sept. 25, 1893	AM & HG Smith	912 70
East Twelfth street	8300	"	8	490	Sept. 1893	Oct. 23, 1893	B. S. Reilly	286 26
Twenty-first street	8481	"	8	367	Sept. 1893	Nov. 8, 1893	Towey & Frai'y	182 17
Knott street	8552	"	8	150	Nov. 13, 1893	Dec. 11, 1893	Patrick Towey	82 74
Fourth street	8573	"	8	293	Nov. 20, 1893	Dec. 11, 1893	J. B. Slemmons	188 44
Union avenue	8025	"	10, 12, 14	1520	Jan. 27, 1893	Oct. 21, 1893	AM & HG Smith	1,679 00
Union avenue	8379	"	8	485	Sept. 16, 1893	Mar. 27, 1893	P. H. Frainey	287 48
*Woods street gulch	8302	B'k & St'e	24, 30	1970	Sept. 26, 1893	.....	B. S. Reilly	6,189 17
Ross street	8038	Tr. Cotta	10	220	Jan. 27, 1893	Apr. 17, 1893	P. Frainey	199 15
E. Alder, E. Seventh, etc. to Sunnyside	7768	B'k & St'e	34 to 84	13210	Oct. 5, 1892	Nov. 28, 1893	Wilson & Ryon	116,512 17
East Seventh street	7858	Tr. Cotta	10, 12, 14	1810	Nov. 12, 1892	Mar. 27, 1893	B. S. Reilly	2,026 27

*Practically completed, but not accepted.

dition. To repair this sewer, it was necessary to dig up the bituminous pavement for a considerable distance before the break could be located. It required twenty-six feet of pipe laid in a concrete foundation to make the necessary repairs.

Numerous repairs have also been made to man-holes and catch-basins.

Twenty-six new catch basins have been constructed at the following places and paid for out of the General Fund, to-wit:

- 13 catch basins in Sixth street, between Park and Glisan streets.
- 1 " in Second street at Sheridan street.
- 3 " in Third street at Stark, Everett and Flanders streets.
- 2 " in Fourth street at Stark and O'Connell streets.
- 1 " in Fifth street at Stark street.
- 1 " in Sixth street at Glisan street.
- 1 " at King and Washington streets.
- 1 " at Twenty-first and Thurman streets.
- 1 " at Cable and Mill streets.
- 1 " at Chapman and Montgomery streets.
- 1 " in Thomas creek gulch near Kalamazoo street.

The following tabular statement shows the amount of sewers completed during the past year.

SEWER WORK FINISHED IN 1893.

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East Third street	8133	Tr. Cotta	10, 12	1640	Feb. 27, 1893	Apr. 11, 1893	B. S. Reilly	1,522 58
East First street	8134	"	8	218	Feb. 27, 1893	Mar. 21, 1893	B. S. Reilly	188 10
Whitaker street	8151	"	8	635	Mar. 17, 1893	May 8, 1893	J. D. Wickliff	488 35
Mill street	8378	"	8	370	July 1893	Aug. 31, 1893	Towey & Frailey	223 59
Grand avenue	8204	"	8	490	Apr. 10, 1893	July 10, 1893	John Murphy	845 08
Grand avenue	8205	"	10	2585	Apr. 10, 1893	July 12, 1893	John Sexton	2,999 54
Knott street	8221	"	8	272	Apr. 26, 1893	July 10, 1893	Fraimey & Kelly	144 48
Benton street	8222	"	10, 12, 14	1748	Apr. 26, 1893	June 6, 1893	J. H. Kelly	1,601 68
Grand avenue	8223	"	10, 12, 14	1522	Apr. 26, 1893	June 6, 1893	B. S. Reilly	1,430 58
E. First, Schuyler, etc.	8227	"	10 to 24	6202	May 22, 1893	Sept. 11, 1893	Fraimey & Kelly	8,704 05
Albina avenue	8272	"	10	470	May 22, 1893	Jun. 24, 1893	E. J. Tracy	209 13
Kearney street	8291	"	10, 12	1040	Jun. 25, 1893	Aug. 1, 1893	B. S. Reilly	676 76
Madison street	8292	"	8	217	July 31, 1893	Aug. 1, 1893	B. S. Reilly	72 93
East Ninth street	8298	"	10, 12, 14	2292	July 31, 1893	Sept. 11, 1893	AM & HG Smith	1,433 48
East Eleventh street	8299	"	8, 10, 12	1258	July 31, 1893	Sept. 25, 1893	AM & HG Smith	912 70
East Twelfth street	8300	"	8	490	Sept. 1893	Oct. 23, 1893	B. S. Reilly	286 26
Twenty-first street	8481	"	8	367	Sept. 1893	Nov. 8, 1893	Towey & Frailey	182 17
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Numerous repairs have also been made in man-holes and catch-basins.

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- 2 " in Fourth street at Stark and Oak streets.
- 1 " in Fifth street at Stark street.
- 1 " in Sixth street at Glisan street.
- 1 " at King and Washington streets.
- 1 " at Twenty-first and Thurman streets.
- 1 " at Cable and Mill streets.
- 1 " at Chapman and Montgomery streets.
- 1 " in Thomas creek gulch near Kelly street.

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Mill street	8378	"	8	370	July 1893	Aug. 31, 1893	Towey & Fraley	223 59
Grand avenue	8204	"	8	490	Apr. 10, 1893	July 10, 1893	John Durphy	845 08
Grand avenue	8205	"	10	2385	Apr. 10, 1893	July 12, 1893	John Sexton	2,999 54
Knott street	8221	"	8	272	Apr. 26, 1893	July 10, 1893	Franeys & K'g	144 48
Benton street	8222	"	10, 12, 14	1748	Apr. 1893	June 6, 1893	J. H. Kelly	1,601 68
Grand avenue	8223	"	10, 12, 14	1522	Apr. 26, 1893	June 6, 1893	B. S. Reilly	1,430 58
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Madison street	8292	"	8	217	July 31, 1893	Aug. 1, 1893	B. S. Reilly	72 93
East Ninth street	8298	"	10, 12, 14	2292	July 31, 1893	Sept. 11, 1893	AM & HGS Smith	1,433 48
East Eleventh street	8299	"	8, 10, 12	1258	July 31, 1893	Sept. 25, 1893	AM & HGS Smith	912 70
East Twelfth street	8300	"	8	490	Sept. 1893	Oct. 23, 1893	B. S. Reilly	286 26
Twenty-first street	8481	"	8	367	Sept. 1893	Nov. 8, 1893	Towey & Fraley	182 17
Knott street	8552	"	8	150	Nov. 13, 1893	Dec. 11, 1893	Patrick Towey	82 74
Fourth street	8573	"	8	293	Nov. 20, 1893	Dec. 11, 1893	J. B. Stenmons	188 44
Union avenue	8025	"	10, 12, 14	1520	Jan. 27, 1893	Oct. 21, 1893	AM & HGS Smith	1,679 00
Union avenue	8379	"	8	485	Sept. 16, 1893	Mar. 27, 1893	P. H. Fraine	287 48
* Woods street gulch	8302	B'k & St'e	24, 30	1970	Sept. 26, 1893	B. S. Reilly	6,189 17
Ross street	8038	Tr. Cotta	10	220	Jan. 27, 1893	Apr. 17, 1893	P. Fraine	199 15
E. Alder, E. Seventh, etc. to Sunnyside	7768	B'k & St'e	34 to 84	13210	Oct. 5, 1892	Nov. 28, 1893	Wilson & Ryan	116,512 17
East Seventh street	7858	Tr. Cotta	10, 12, 14	1810	Nov. 12, 1892	Mar. 27, 1893	B. S. Reilly	2,026 27

*Practically completed, but not accepted.

SEWER WORK FINISHED IN 1893.—CONTINUED.

Name of Sewer	No. of Ord.	Kind of Sewer	Size in Inches	Est. L'ngth in feet	Date of Contract	Date of Acceptance	Name of Contractor	Contractor's Bid
East Tenth street.....	7859	Tr. Cotta	10, 12, 14	1812	Nov. 11, 1892	Feb. 25, 1893	J. B. Slemmons	2,076 23
Kelly street.....	7889	"	14	980	Oct. 25, 1892	Jan. 25, 1893	J. B. Slemmons	1,421 80
Mississippi avenue.....	7890	"	10	290	Dec. 19, 1892	Mar. 15, 1893	B. R. Smith..	209 97
Curry street.....	7915	"	12	1575	Nov. 23, 1892	Mar. 6, 1893	Robertson Bros	1,936 42
East Sixth.....	7917	"	10, 12, 14, 16	1790	Nov. 11, 1892	Jan. 30, 1893	Robertson Bros	2,248 39
Lovejoy street.....	7918	B'k&St'e	24	1465	Dec. 3, 1892	Feb. 6, 1893	Am. B. & C. Co	4,669 20
Thirty-second street ...	7953	Tr. Cotta	12	628	Nov. 23, 1892	Mar. 21, 1893	Robertson Bros	532 99
Williams ave., Victoria, Wheeler, etc.....	7954	"	10, 12, 14, 16	4506	Dec. 19, 1892	Mar. 27, 1893	Patrick Towey	5,627 26
Larrabee street.....	7955	"	10, 12, 14, 20	1862	Nov. 23, 1892	Apr. 8, 1893	Robertson Bros	2,334 36
Kearney street.....	7974	"	14	1002	Dec. 19, 1892	Aug. 15, 1893	J. B. Slemmons	1,016 70
Borthwick street.....	7975	"	10	473	Dec. 9, 1892	Mar. 15, 1893	B. R. Smith...	399 35
Total				57907				\$ 171,648 55

UNFINISHED SEWER WORK OF 1893.

Name of Sewer	No. of Ord.	Kind of Sewer	Size in Inches	Est. L'ngth in feet	Date of Contract	Name of Contractor	Contractor's Bid
East Twelfth street	8433	Tr. Cotta	10 to 24	2674	Sept. 1893	AM&HGSmith	\$ 3,680 92
E. Thirty-fourth street	8592	"	8	400	Dec. 6, 1893	B. S. Reilly ...	293 42
East Yamhill street.....	8525	B'k&St'e	32	400	Nov. 13, 1893	B. S. Reilly ...	1,649 70
Total				3474			\$ 5,624 04

DESCRIPTION OF SEWERS.

The following tables show the amount of the various sizes of sewers now constructed in this city :

Diameter in inches.	Lineal feet.	Miles.	Location.	Material.
92x64	3,984	.75	Tanner Creek	Brick
81x54	1,756	.34	" "	"
72	5,016	.95	" "	Brick and stone
72x48	3,160	.60	Johnson "	"
66x44	1,800	.34	" "	"
40x60	3,820	.72	" "	"
45	800	.15	17th Market & Chapman	"
24x36	700	.14	" "	"
30x45	1,000	.19	Marquam Gulch	"
30x45	756	.15	" "	Brick and stone
3x4 box	1,350	.25	" "	Wooden
2x2 box	930	.18	Mill street	"
24	1,640	.31	Lovejoy street	Brick and stone
30	510	.09	Chapman street	" "
24	766	.14	" "	" "
60	970	.18	Thomas creek	" "
48	1,088	.21	" "	" "
36	2,410	.45	" "	" "
54	930	.18	Holladay avenue	" "
52	520	.09	" "	" "
42	780	.15	" "	" "
42	780	.15	" "	Brick
40	260	.05	" "	"
38	360	.05	" "	"
36	260	.05	" "	"
34	260	.05	" "	"
48	662	.12	East Oak street	Brick and stone

Diameter in inches.	Lineal feet.	Miles.	Location.	Material.
40	290	.05	East Oak street	Brick and stone
38	255	.05	East Third street	" "
36	260	.05	" "	" "
34	220	.04	" "	" "
30	300	.06	" "	" "
28	490	.09	" "	" "
34	360	.07	Sunnyside	Stone
36	830	.15	" "	" "
38	330	.06	" "	" "
40	1,100	.20	" "	" "
42	600	.11	" "	" "
44	260	.05	" "	" "
46	2,500	.47	" "	" "
48	1,000	.19	" "	" "
50	300	.057	" "	" "
52	260	.05	" "	" "
72	520	.098	" "	" "
74	130	.02	" "	" "
76	1,624	.30	" "	" "
78	162	.03	" "	" "
80	1,069	.20	" "	" "
82	260	.05	" "	" "
84	1,540	.29	" "	" "
30	1,089	.21	Woods Street Gulch	Brick and stone
24	881	.16	" " " "	" "

Diameter in inches.	Lineal feet.	Miles.	Location.
24	10,114	1.91	Pipe Sewers
22	2,903	.55	" "
20	2,761	.52	" "
18	8,964	1.70	" "
16	17,617	3.33	" "
15	18,735	3.52	" "
14	40,597	7.68	" "
12	129,767	24.57	" "
10	39,391	7.46	" "
9	39,928	7.56	" "
8	14,869	2.81	" "
	379,444	71.745	

The following table shows the amount of the various kinds of improved streets now in this city.

	Lineal Feet.	Miles.
Graded.....	342,235	64.81
Gravel.....	216,385	40.97
Macadam.....	212,830	40.31
Plank roadway.....	36,990	7.01
Bridging.....	36,070	6.83
Stone block pavement.....	24,450	4.63
Asphalt and bituminous pavem't..	19,450	3.68
Brick pavement.....	200 }	.06
Wooden block pavement.....	100 }	
Total.....	888,710	168.30
Wooden sidewalk.....	1,443,472	273.40
Cement sidewalk.....	66,539	12.59
Bituminous rock and asphalt side- walk.....	7,683	1.45
Brick.....	115	.02
Total.....	1,517,807	287.46
Wooden crosswalk.....	190,713	36.12
Stone crosswalk.....	7,207	1.36
Total.....	197,920	37.48

CITY PARK.

Many changes have been made in the City Park, in the western part of the city, rendered necessary by allowing the water commission to construct reservoirs therein, which monopolizes a great deal of space, that was already considered inadequate for the needs of the city.

The sum of \$12,418.00 was expended during the year on the park. The animal houses have all been moved to make room for the reservoir, and a new animal house has been constructed

16x68 feet; a barn 30x40 feet has been constructed, and the water tank inclosed with rustic; sheds for the elk and deer have been constructed, and a new corral inclosed requiring 1,600 lineal feet of fence. Twenty rustic benches have also been made for use in the park.

In addition to the above the following improvements have also been made: 2,100 feet of road, graded; 200 feet of banks, sloped; 600 feet of walks, graded; 8 acres sowed to grass; 4 acres grubbed; 5,000 feet of trenches dug; 600 feet of sewers laid.

THE FOLLOWING IS A LIST OF ANIMALS NOW IN THE PARK:

3 Elk.	1 Seal.
1 Coyote.	1 Mountain lion.
4 Badgers.	9 Coons.
1 Pole cat.	1 Kangaroo.
12 Quails.	2 Pea fowls.
2 Swans.	8 Grey owls.
9 Deer.	16 Canaries.
1 Grey fox.	2 Mongolian pheasants.
12 Rabbits.	2 Japanese sparrows.
6 Guinea pigs.	2 Turkey buzzards.
3 Japanese paroquets.	2 Black crows.
5 Ducks.	3 Chicken hawks.
5 Bears.	3 Bird hawks.
1 Red fox.	2 Magpies.
6 Monkeys.	4 Cockatoos.
1 Wild cat.	2 Half-breed pheasants.
4 Eagles.	

ELECTRIC LIGHTS.

On January 1st, 1893, the city was paying on the West Side for 740 incandescent 25-candle

power lamps, at the rate of \$1.98 per month, and 237 arc lights of 2,000 candle power, at the rate of \$9.72 per month.

In that part of the city which was formerly Albina, the city was paying for 16 incandescent 25-candle power lamps at the rate of \$2.25 per month, and 67 arc lights of 2,000 candle power at the rate of \$10.00 per month.

That part of the city which was formerly East Portland was lighted by 156 arc lights of 2,000 candle power, furnished by an electric plant owned and operated by the city.

During the month of March "The Portland General Electric Company" purchased the city electric plant, and entered into a new contract beginning April 1st, 1893, and ending April 1st, 1895.

Said electric company agreed to furnish, erect and maintain, light and keep lighted each and every night during said term 472 arc lights of 2,000 candle power each, and 764 incandescent lamps of 25-candle power each, at points where the same were then situated, and to receive \$9.50 per month for each of the above arc lights, and \$1.98 per month for each of the above incandescent lamps, and to receive \$9.00 for each arc light ordered thereafter.

The annexation of the City of Sellwood to this city last May, added 20 arc lights to the list to be paid for by this city.

At this date the city is supplied with 583 arc lights of 2,000 candle power, and 741 incandescent lamps of 25 candle power, an increase of 123 arc lights, and a decrease of 15 incandescent lamps during the year.

All that portion of the city lying on the east side of the river is lighted by 311 arc lights and 14 incandescent lamps, and that portion of the city lying on the west side of the river is lighted by 272 arc lights and 727 incandescent lamps.

Through the kindness of the Police Department, we have been furnished a daily report of street lights not burning during the night, all over the whole city, thus rendering us much assistance in making deduction for the cost of such lights at the end of each month.

The monthly cost of lighting the city during the past year was as follows:

January, Portland proper and Albina.....	\$ 4,487 09
February, " " " ".....	4,492 47
March, Portland, E. Portland and Albina..	5,072 07
April, " " " ".....	6,051 45
May, " " " ".....	6,352 72
June, " " " ".....	6,511 21
July, " " " ".....	6,627 22
August, " " " ".....	6,376 18
September, " " " ".....	6,619 18
October, Port., E. Port., Albina, Sellwood	6,619 82
November, " " " ".....	6,779 84
December, " " " ".....	6,180 91
Total.....	\$72,170 16

Hereto attached is a list of property in my care and custody belonging to the City of Portland.

All of which is respectfully submitted,

H. D. GRADON,
Superintendent of Streets.

PROPERTY IN CHARGE OF SUPERINTENDENT OF STREETS.

2 gas permit books.	35 pasteboard boxes for papers.
2 notice books, trim trees.	$\frac{1}{2}$ roll profile paper.
3 index books, cabinet.	8 spittoons.
2 copy books.	10 inkstands.
4 scrap books.	2 maps city of Portland, 1873, 1882.
2 water permit books.	1 small flat rule.
4 sewer permit books.	1 small T square.
2 requisition books.	5 steel erasers.
5 sidewalk notice repair books.	1 feather duster.
3 building permit books.	1 ink well.
4 notice books, refill holes.	2 triangular scales.
4 sewer record books.	10 small paper files.
3 electric light books.	4 waste baskets.
2 plumber record books.	1 letter press, size "B."
1 register book.	1 record of animals city park.
5 record sidewalk and cross-walk.	1 record history of bridges.
4 stoves.	1 record authorizations.
1 4-light chandelier.	1 record permit to move b'dgs.
4 2-light chandelier.	1 slate ink slab.
1 1-light chandelier.	$\frac{1}{2}$ doz. wood scrolls.
1 gas drop stand.	$\frac{1}{2}$ roll blue print paper.
2 draughting b'ds and trusses.	645 maps, plans, etc.
2 small draughting boards.	2 large rubber triangles.
2 umbrella stands.	3 coal scuttles.
1 patent rubber stamp.	1 box rubber type, bad order.
3 mucilage wells.	2 iron paper weights.
1 walnut revolving chair.	6 letter files.
5 books, remv'l of obstruct'ns.	1 City Directory.
1 typewriter, table and copy-holder.	1 parallel ruler.
	2 straight edges.

12 harp files.	1 protractor.
1 blue printing frame.	2 glass paper weights.
1 set of draughting instrum'ts.	3 pair of scissors.
2 carpets.	2 eyelet punches, 1 bad order.
3 oil cloths.	3 ash arm chairs.
1 cane seat revolving chair.	1 case of drawers.
10 cane seat arm chairs.	1 wardrobe.
1 wood seat arm chair.	1 book case.
1 long table.	1 counter 7 ft. long, oak top.
2 small tables.	1 stationary desk.
1 roll top desk.	1 map of entire city, new.
1 ash desk.	3 bill clips.
2 pocket steel tapes, 3 ft.	1 steam road roller, 15 tons.
2 books of record plats.	1 horse road roller, 5 tons.
4 sets of map files.	

PROPERTY IN CHARGE OF STREET REPAIRER.

2 large saws.	4 ft. 10" sewer pipe.
4 crowbars.	$\frac{1}{4}$ barrel coal tar.
1 top maul.	6 lamphole gratings.
6 picks.	1 grindstone.
4 shovels.	1 wagon jack.
6 jack screws.	1 windlass, complete.
80 ft. 1-in. rope.	1 old wagon.
100 ft. 1 $\frac{1}{4}$ in. rope.	1 set old harness.
4 blocks and tackle.	1 hand axe.
5 sledges.	1 steel square.
2 augers.	1 trowel.
2 tampers.	1 hand saw.
1 mattock.	1 goose-neck wagon.
4 lanterns.	1 team.
3 gals. coal oil.	1 pair shafts.
1 bull eye lantern.	1 dolly.
2 shovels, old.	1 paving hammer.
3 axe handles.	1 crowbar.
1 keg 3" wire nails.	4 shovels.
$\frac{1}{4}$ keg 7" wire nails.	1 shovel, short handle.
$\frac{1}{2}$ keg 4 $\frac{1}{2}$ " wire nails.	8 pike poles.
$\frac{1}{4}$ keg 6" wire nails.	1 pick.
2 pick handles.	1 bucket.
1 top maul handle.	4 wheel barrows.
1 sewer drag.	2 lengths of hose.

TOOLS AND STOCK ON HAND AT SHOP ON EAST SIDE.

1 wheel barrow.	$\frac{1}{2}$ doz. 8" mill files.
1 40 lb. grindstone and frame.	80 lbs. 60d wire spikes.
1 hand truck, large.	75 lbs. 7d wire spikes.
1 pick.	3 gals. coal oil.
1 $\frac{3}{8}$ " ship auger.	1 lantern, red.
1 $\frac{3}{4}$ " ship auger.	1 lantern, white.
3 round-point shovels.	2 top mauls.
1 square-point shovel.	2 maul handles.
1 crowbar.	

FOR PRISONERS' USE.

1 wagon, 2-horse, covered.	4 large sledge hammers.
1 set double harness.	3 axes.
6 pair rubber boots.	10 shovels.
10 mattocks.	3 crowbars.
21 small sledge hammers.	6 picks.

PUMP HOUSE (STEAM PLANT) CITY PARK.

1 48-inch x 12 feet cylindrical boiler and fixt., 40 horse power.	1 feed water heater.
1 $\frac{3}{4}$ -inch injector.	1 $1\frac{1}{2}$ -inch globe valve.
1 spring safety valve.	1 21-inch monkey wrench.
1 water column complete.	1 8-inch monkey wrench.
1 steam gauge.	1 socket wrench.
1 $\frac{3}{8}$ -inch check valve.	1 2-inch pipe die stock.
3 $\frac{3}{8}$ -inch globe valves.	1 1-inch pipe die stock.
1 $\frac{1}{2}$ -inch globe valve.	Pipe dies $\frac{1}{4}$ -in., $\frac{3}{8}$ -in., $\frac{1}{2}$ -in., $\frac{3}{4}$ -in., 1-in., $1\frac{1}{4}$ -in., $1\frac{1}{2}$ -in., 2 in.
1 2-inch check valve.	5 twist drills.
2 $1\frac{1}{2}$ -inch globe valves.	5 taps, $\frac{1}{4}$ -inch to 1-inch.
2 2-inch globe valves.	1 chain tong No. 3.
1 water column drip pan, brass	1 Stilson wrench.
$\frac{1}{2}$ set 24-in. grate bars on hand.	2 pipe cutters, 1-in. x 2-in.
1 10x6x10 duplex steam pump.	1 drill ratchet.
1 $\frac{2}{3}$ -pint S. D. lubricators.	1 ball lamp wicking.
1 engine register.	1 ball asbestos packing.
1 pressure gauge.	3 gallons cylinder oil.
1 $\frac{3}{4}$ -inch globe valve.	2 gallons machine oil.
1 4-inch check valve.	4 gallons kerosene oil.
1 4-inch gate valve.	1 4 inch bench vise.
1 $1\frac{1}{2}$ -inch gate valve.	1 scoop shovel.
1 5-inch gate valve.	50 feet $\frac{1}{2}$ -inch hose and nozzle.

1 5-inch angle valve.	3 files.
1 5-inch foot valve.	3 file handles.
1 5-inch water tee.	1 squirt oil can.
33 feet 5-inch pipe.	1 feeder oil can.
14 feet 4-inch pipe.	1 broom.
2 brass drip pans.	1 fire hoe.
4 $\frac{3}{8}$ globe valves.	1 $1\frac{1}{4}$ -inch square reamer.
100 feet $1\frac{1}{2}$ -inch hose and nozzle	1 $1\frac{1}{4}$ -inch solid wrench.

TOOLS BELONGING TO THE CITY PARK.

10 shovels, 4 in bad order.	9 padlocks.
11 mattocks, 9 in bad order.	1 hand pump.
4 picks.	10 hotbed windows.
3 iron rakes.	2 sickles.
1 crowbar.	2 cart saddles.
2 potato hooks.	2 carts.
1 potato hoe.	1 wagon.
5 axes, 1 in bad order.	1 hay cutter.
2 steel wedges.	3 forks.
2 grass scythes, bad order.	3 spades, 1 bad order.
1 hammer, bad order.	1 sledge.
1 lawn mower, bad order.	1 rock hook.
2,000 flower pots, bad order.	1 saw set.
2 augers.	1 grindstone.
2 brush scythes.	1 pike hook.
400 ft. of rope.	700 ft. watering hose.
2 blocks and tackle.	8 sprinklers.
1 cross-cut saw.	2 green houses.
2 small augers.	4 bird houses.
1 hand saw.	1 monkey house.
1 spirit level.	1 animal house.

CITY SURVEYOR'S REPORT.

CITY SURVEYOR'S OFFICE, }
 PORTLAND, OREGON, Jan. 3d, 1894. }

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

GENTLEMEN: I have the honor to submit the following annual report of the City Surveyor for the year ending December 31st, 1893, with tabulated statements of street and sewer work estimated and done, street extension surveys, street work done by virtue of permits issued by the Superintendent of Streets.

The amounts of street and sewer work done this year is much less than that of last, although the year opened with flattering prospects for many extensive and important street and sewer improvements, but money became very scarce and property-owners could not afford these improvements, and for a time remonstrances were more numerous against than petitions were for them.

The last Legislature saw fit to again enlarge the city boundary, making the area of the city now at about 40 square miles; levels have been taken, and profiles made of a large portion of the new addition to the city for the purpose of establishing grades, involving a great deal of work for this department.

The city boundary has been surveyed, and properly marked with cedar posts set at angle points and crossings of roads.

A large number of street monuments have been set at the intersection of certain streets, and temporarily protected with wooden covers; these should be removed and iron frames and covers substituted.

As a part of this report, I have prepared two maps of the city, one a paving map showing by colors the different streets as paved; the other a sewer map, showing all sewers and their dimensions laid to date from the data necessary to prepare these maps. I find there are—

Asphalt and Bit. Rock Pavement	19,450 lin. ft.	3.68 mls.
Macadam Pavement	12,830 "	40.31 "
Gravel	216,385 "	40.97 "
Stone Block "	24,450 "	4.63 "
Plank Roadway	36,990 "	7.01 "
Bridging	36,070 "	6.83 "
Wooden Block Pavement	100 "	
Brick Pavement	200 "	
Graded Streets unpaved	342,235 "	64.81 "
Total	888,710 "	168.24 "
Wooden Sidewalk	1,443,552 lin. ft.	273.4 mls.
Cement "	66,539 "	12.59 "
Asphalt and Bit. Rock Sidewalk	7,683 "	1.45 "
Brick Sidewalk	115 "	
Total	1,517,889 "	287.44 "
Wooden Crosswalk	190,713 lin. ft.	36.12 mls.
Stone "	7,207 "	1.36 "
Total	197,920 "	37.48 "

In conclusion, I would add that there are still many places in the city where street monuments should be placed to perpetuate the lines of lots and blocks which, if set soon, would save much time and expense. I would also call the attention of your Honorable Body to the fact of the unreliability of many of the old monuments set years ago, there being small errors (probably caused by the settling of the monuments or other causes.) These should be corrected, and permanently set so as to conform as nearly as possible to buildings and improvements as they now exist, and maps prepared or descriptions made showing their relative position, and the adoption of the same by ordinance should be authorized.

In closing, I desire to express to your Honorable Body my appreciation of the favors received from its members.

Respectfully submitted,

T. M. HURLBURT,

City Surveyor.

SEWER WORK ESTIMATED DURING 1893.

Number	Name of Sewer	Extent of Sewer	Date of Ordinance	Ln'l ft. brk st'ne sewer			Lineal Feet Terra Cotta Pipe Sewer										No. of Y Branch. Tr Cot Pi				
				32 inch	30 inch	24 inch	24 inch	22 inch	20 inch	18 inch	16 inch	14 inch	12 inch	10 inch	8 inch	6 inch	No. 6-in Bends	24 x 12	22 x 12	20 x 10	
1	Union ave.	From s. l. Weidler st to Holladay av. sewer	Jan	25																	
2	Ross st.	S. l. Dixon st. to Ross st. sewer.	Jan	38						543	520	460	160								
3	Bancroft ave.	N. l. First st. to sewer in Corbett st.	Jan	92								220	32								
4	E. Third st.	75' w. of Wiedler, to swr in Holladay av.	Jan	33								870	201								
5	First st.	N. l. of Gaines st. to swr in Pennoyer st.	Feb	34								802	855	204							
6	Whitaker st.	1'0' e. of Kelly st to swr in Moody st.	Feb	51										255							
7	Grand ave.	W. l. E. Market to swr in E. Alder st.	Mar	205									1699								
8	Grand ave.	S. l. E. Stark to swr in E. Alder st.	Mar	204								2354		3668							
9	Knott st.	40' w. of Kerby st to swr in Borthwick st	Mar	221										452	688						
10	Benton st.	S. l. Dixon st to swr in Larabee st.	Apr	222										246							
11	Grand ave.	S. l. Wiedler st to swr in Holladay av	Apr	223										218							
12	E. 1st & other sts	st to swr in Holladay av	Apr	227								441	416	376	212						
13	Albina ave.	25' w. of Page st to swr in Russell st.	Apr	272								216	216	277	850		2	1			
14	Madison st	120' e. Chapman, to swr in Tanner Ck	May	292										398							
15	Kearney st.	E. l. 23d st to e. l. 25th st.	Jun	291											186						
16	Mill st.	130' w. of 16th st to swr in Chapman st.	Jun	278									472	384	82						
17	E. Ninth st.	S. e. l. Broadway to swr in Holladay av.	Jul	298											356						
18	E. Eleventh st.	S. e. l. Broadway to swr in E. 11th et.	Jul	299								490	452	656	198	1004	52				
19	Wood st. gulch.	W. l. First st to swr in Thomas creek.	Jul	302	1089	871							482	460	327	630	39				
20	Union ave.	100' n. of Siskiyou st to swr in Morris st	Jul	279											497						
21	E. Twelfth st.	N. e. l. Broadway to swr in Hancock st	Aug	300											482	371	22				
22	E. Ninth st.	N. e. l. of E. Sherman to Asylum ck swr	Aug	299								895	780	478	284	1724	77				
23	E. Twelfth st.	N. e. l. of Division st to Asylum ck swr	Aug	433								238	236	276	311	2024	97		1		
24	Twenty-first st.	50' n. Market st drive to Tanner ck swr	Aug	481											350						
25	E. Yamhill st.	W. l. of E. 34th st to e. l. of E. 35th st.	Sept	525	400										52						
26	Knott st.	138 1/2' e. of Miss. av to swr in Miss. av	Sept	552											150						
27	Fourth st.	100' n. of Hoyt st to swr in Glisan st.	Oct	573											321		151				
28	Pacific st., system	75' e. of E. 12th st to Willamette river	Nov	301								1090	244	212	1136	438	473	581	2692	156	6
29	E. 34th st.	N. l. Belmont st to swr in E. Yamhill st	Nov	592											34						
Total				400	1089	871	2172	904	3076	912	686	4627	6215	6257	8740	12701	438	2	1	7	

SEWER WORK ESTIMATED DURING 1893—Continued.

Ordinance	Ln'l ft. brk st'ne sewer			Lineal Feet Terra Cotta Pipe Sewer										No. of Y Branch. Tr Cot Pi						
	32 inch	30 inch	24 inch	24 inch	22 inch	20 inch	18 inch	16 inch	14 inch	12 inch	10 inch	8 inch	6 inch	No. 6-in Bends	24 x 12	22 x 12	20 x 10			
25										543	520	460	160							
38												220	32							
92												870	201							
33												802	855	204						
34														255						
51														1699						
205												2354		3668						
204														452	688					
221														246						
222										626	196	590	218							
223										441	416	376	212							
227				1894	428	1516	432	216	216	216	216	277	850		2	1				
272														398						
292															186					
291															82					
278												472	384							
298														356						
299										490	452	656	198	1004	52					
302												482	460	327	630	39				
279														497						
300														482	371	22				
299												895	780	478	284	1724	77			
433												238	236	276	311	2024	97			
481														350						
525	400													52						
552														150						
573														321		151				
301										1090	244	212	1136	438	473	581	2692	156	6	
592														34						
Total				400	1089	871	2172	904	3076	912	686	4627	6215	6257	8740	12701	438	2	1	7

SEWER WORK ESTIMATED DURING 1893.—Continued.

NAME OF SEWER	NUMBER OF "Y" BRANCHES TERRA COTTA PIPE																			
	12 x 10	24 x 8	22 x 8	20 x 8	18 x 8	16 x 8	14 x 8	12 x 8	10 x 8	8 x 8	24 x 6	22 x 6	20 x 6	18 x 6	16 x 6	14 x 6	12 x 6	10 x 6	8 x 6	6 x 6
Union ave.																50	48	40		
Ross st.								2	2	1								18		
Bancroft av	2							7									74			
E. Third st								3	3								74	78		
First st										1									18	
Whitaker st										2									60	
Grand ave.																	118			
Grand ave.																		12	33	
Knott st										1								26		
Benton st.								4	1	1						74	26	64		
Grand ave.								2	4	2						50	48	40		
E. 1st & other	21	6	14	8	4	4	4	3			172	39	150	36	18	18	18	26		
Albina ave.																		36		
Madison st.																		16		
Kearney st.								2									52	38		
Mill st										1									23	
E. Ninth st								2	2	2						26	32	37		
E. 11th st								2	2								37	28		
Wood st gch																			13	
Union ave.										3								41		
E. 12th st										1								12		
E. Ninth st.								14	3	2						24	33	21	17	
E. 12th st.	1	2	2	2	3	2	3	3			9	20	22	9	10	8	8	10	13	
21st st.																			14	
E. Yamh'1st																				14
Knott st.																			12	
Fourth st										21									21	
Pac. st. sym			3		1	7	1	3	1			40	12	8	55	19	21		24	
E. 34th st.							1										34			
	3	23	8	19	11	7	38	35	20	31	181	59	212	57	36	305	503	591	324	

SEWER WORK ESTIMATED DURING 1893—Continued.

"Y" BRANCH TERRA COTTA PIPE	CUBIC YARDS								NUMBER OF				LINEAL FEET									
	16 inch	14 inch	12 inch	8 inch	6 inch	Exc. and Refilling	Excava'n	Grav Exc. Refilling	Ls. Rk Ex.	Sd Rk Ex.	Emb' km t	R'k Emb.	Concrete	Manholes	Ch Basins	S. Traps	Rd cor bk id	Lmp holes	Rx tres sup	Wg Walls	Wd Walls	
						1630								7	5	5	5					
						135								1	1	1	1					
						1103								3	7	7	7					
						1800	35							1	6	6	6					
						215								1	1	1	1					
						607		84			71			2	2	2	2			40		
						5779		816						11								
						1214		100						2								
						203								1				1				
						2070								1	6	6	6					
						1631								7	8	8	8					
						8000	276				200			24	34	34	34			490		
						439								2								
						23					123											
						840								3	2	2	2					
						80			69					2	3	3	1					
						2347								7	6	6	6					
						1417								5	4	4	4					
						1605	670	50	50		630		100	4								10 10
						438								2	3	3	3					
						624								2	1	1	1					
						3591		200						9	19	19	19					
						5068		200			135			11	17	17	17			30		
						91			76	8				1				1				
						957							25	1	4	4	4					
						133								1								
						254								1	2	2	2					
						7290	500				100			16	12	12	12			50		
						336								2	1	1	1					
														1	4	6	7	186				
						49820	1481	1450	195	8	1159	100	125	142	144	144	142			2	610	10 10

SEWER WORK DONE DURING 1893.—Continued.

SEWER WORK DONE DURING 1893.

Number	Name of Sewer	Extent of Sewer.	Date of Ordinance
1	Lovejoy st.	From w. line 23d st. to w. line Cornell rd.	Nov 1
2	Kelly st.	S. line Abernethy st. to Thomas cr'k swr.	Oct 1
3	E. Sixth st.	S. line Br'dway to cor. sewer Hol'day av.	Oct 2
4	E. Tenth st.	Cent. line Br'dway to swr. in Hol'day av.	Oct 2
5	Curry st.	E. line 2d st. to Thomas creek sewer.	Nov 1
6	Mississippi ave.	150 ft. s. Russell st. to sewer in Golds'th st.	Nov 2
7	Borthwick st.	25 ft. n. of Page st. to sewer in Russell st.	Nov 3
8	Thirty-second st.	S. l. lot 7, blk 21 w h to swr in-Thurm'n st.	Nov 1
9	E. Oak st. system	Sewer system	Aug 2
10	E. Alder st.	Sewer system	Sep 1
11	Williams ave.	Sewer system	Nov 3
12	Kearney st.	E line 23d st. to sewer in 21st st.	Dec 1
13	E. Seventh st.	Cent. line Broadway to swr in Hol'day av	Oct 2
14	Larrabee st.	S. line Dixon st. to sewer in Holladay av	Nov 1
15	Union ave.	S. line Weidler st. to sewer in Hol'day av	Jan 5
16	Ross st.	S. line Dixon st. to sewer in Ross st.	Jan 9
17	E. Third st.	75 ft. n. Weidler st. to swr in Hol'day av	Feb 7
18	First st.	N. line Gaines st. to swr in Pennoyer st	Feb 7
19	Whitaker st.	100 ft. e. Kelly st to Thomas creek swr.	Mar 8
20	Grand ave.	W. line E Market st. to swr in E. Alder st	Mar 8
21	Grand ave.	S. line E. Stark to sewer in E. Alder st.	Mar 8
22	Knott st.	40 ft. w. Kirby st. to swr in Borthwick st	Apr 1
23	Benton st.	S. line Dixon st. to sewer in Larrabee st.	Apr 1
24	Grand ave.	S. line Weidler st. to swr in Holladay av.	Apr 1
25	E. First st.	Sewer system	Apr 1
26	Albina ave.	25 ft. N. Page st. to sewer in Russell st.	May 1
27	Madison st.	120 ft. E. Chapman st. to Tanner crk swr.	Jun 1
28	Kearney st.	E. line 23d st. to e. line 25th st.	Jun 1
29	Mill st.	130 ft. W Chapman st. to Tanner crk swr.	July 1
30	E. Ninth st.	S. curb line Br'dway to swr in Hol'day av	July 1
31	E. Eleventh st.	S. curb line Broadway to swr in E. 11th.	July 1
32	Union ave.	100 ft. n. of Siskiyou to swr in Morris st.	Aug 1
33	E. Twelfth st.	N. curb line Brdway to swr in Hancock.	Aug 1
34	Wood st. gulch.	W. line First st. to Thomas creek sewer	July 1
35	Twenty-first st.	50 ft. n. Market st. to Tanner creek swr	Sep 1
36	Knott st.	138 ft. e. Mississippi ave to swr in same.	Oct 3
37	Fourth st.	100 ft. n. Hoyt st. to sewer in Glisan.	Nov 1
38	E. Twelfth st.	N. line Divis'n st. to swr in Hawth'ne av.	Aug 1
	Total		

No. of Ordinance	LINEAL FT. BRICK & STONE CIRCULAR SEWER																
	84 inch	82 inch	80 inch	78 inch	76 inch	74 inch	72 inch	52 inch	50 inch	48 inch	46 inch	44 inch	42 inch	40 inch	38 inch	36 inch	34 inch
7918																	
7889																	
7917																	
7859																	
7915																	
7890																	
7975																	
7953																	
7745																	
7768	1360	260	1069	162	1200	140	520	260	359	1000	2653	260	603	1114	330	857	360
7954																	
7974																	
7858																	
7955																	
8025																	
8038																	
8133																	
8134																	
8151																	
8205																	
8204																	
8221																	
8222																	
8223																	
8227																	
8272																	
8292																	
8291																	
8378																	
8298																	
8299																	
8379																	
8300																	
8302																	
8481																	
8552																	
8573																	
8433																	
	1360	260	1069	162	1200	140	520	260	359	1000	2653	260	603	1114	330	857	360

SEWER WORK DONE DURING 1893—Continued.

Number	NAME OF SEWER	No. Y Bran. TC pipe		Branches Ter. Cotta Pipe								NUMBER			
		8 x 6	6 x 6	24 inch	20 inch	18 inch	16 inch	14 inch	12 inch	10 inch	8 inch	6 inch	6 inch & bends	Manh'ls	Obus'ns
1	Lovejoy st.										5	128	5		
2	Kelly st.										4		4		
3	E. Sixth st.										7		7		
4	E. Tenth st.										7		7		
5	Curry st.										6		6		
6	Mississippi av.										1		1		
7	Borthwick st.										1		1		
8	Thirty-second st.										3		3		
9	E. Oak st. system.										25		96		
10	E. Alder st.			5	1	2	10	21	33	11	9	1049	42		
11	Williams av.												23		
12	Kearney st.												11		
13	E. Seventh st.												3		
14	Larrabee st.												7		
15	Union av.												7		
16	Ross st.												1		
17	E. Third st.												1		
18	First st.	1											1		
19	Whitaker.	60											2		
20	Grand av.		118										11		
21	Grand av.	22	22										2		
22	Knott st.	20											1		
23	Benton st.												7		
24	Grand av.												7		
25	E. First st.												24		
26	Albina av.												2		
27	Madison st.	16											2		
28	Kearney st.												3		
29	Mill st.	26											2		
30	E. Ninth st.	2	52										6		
31	E. Eleventh st.	12	39										4		
32	Union av.	44											3		
33	E. Twelfth st.	22	22										1		
34	Wood st gulch.							6		7	152		2		
35	Twenty-first st.	14											1		
36	Knott st.	12											1		
37	Fourth st.	21											1		
38	E. Twelfth st.	10	75										75		
		282	328	5	1	2	10	21	39	11	21	1354	188	243	

SEWER WORK DONE DURING 1893—Continued.

NO. OF	CUBIC YARDS										LIN. FEET.					
	round cor. bks. dressed and laid	Lamp Holes	Exc. & Refill'g	Exca-vating	Emb	Gravel Exc	Solid Ro'k Ex	Loose Ro'k Ex	C'crete	Rip Rap	Piling at m'th of Sewer	Pile found'n	Tr'sle & b'x supt	Wid'ed walls		
															Exc.	Refill'g	Excavating	Emb	Gravel Exc	Solid Ro'k Ex	Loose Ro'k Ex	C'crete	Rip Rap	Piling at m'th of Sewer	Pile found'n	Tr'sle & b'x supt	Wid'ed walls
5			2243	333					50					10		
3			1325													
7			2105													
7			1797													
9			1957													
1			200			37										
1			428													
1			516			43										
96			7660		1352	290			85	20			215			
36			10000	13524	9554	11172			1803	100	20	310				
17			4732										255			
			846		41								76			
6			2061													
9			1978													
5			1638													
1			135													
6			1800	35												
1			215													
2			607		71	84							40			
			5779			816										
			1214			100										
6		1	203													
8			2070													
34			1631													
			8000	276	200								490			
			439													
			23		123											
2			840													
1			80					69								
6			2347													
4			1417													
3			438													
1			624													
			1605	670	630	100			45					10		
		1	91					8	76							
			133													
2			254													
13			5000		135	200							30			
293			272026	14838	12106	12752		8	145	1938	120		20	310	1106	20

ST. WORK ESTIMATED IN 1893. (UNDER ORDINANCE.)

Number	NAME OF STREET	EXTENT OF IMPROVEMENT	CUBIC YARDS					
			Exc.	Emb.	Grav'l	Mac'd	Sand	
1	Twelfth st.	Cen. line Overton st. to cen. line Quimby st.						
2	E. 17th st.	N. line E. Morrison st. to S. line E. Stark st.						
3	E. Sherman st.	W. line E. 7th st. to E. line S.P.R. r't-of-way						
4	Hoyt st.	Cen. line Ninth st. to E. line Tenth st.						
5	Jefferson st.	100' W. of 21st st. to E. line City Park						
6	E. Washington	E. Water st. to Union ave.						
7	17th st.	Cen. line Raleigh st. to 150' S of Raleigh st.						
8	E. Harrison st.	E. line of E. 11th st. to W. line of E. 3d st.						
9	Port. Boulev'd							
10	Idaho st.	W. line Macadam st. to E. line Wisconsin st						
11	Cleveland ave.	S. line Beech st. to cen. line Fremont st.						
12	Northrup st.	100' E. of 9th st to 70' E. of 12th st.						
13	Marshall st.	100' E. of 9th st. to cen. line of 22d st						
14	Milw. & E.11th	S. line of E. Caruthers st. to S. City bound'y						
15	Port. Boulev'd							
16	Shaver st.	E. line Williams to W. line of Union ave.						
17	Hawthorne ter	W. line of 16th st. to City boundary						
18	Nebraska st.	W. line of Bond st. to E. line of Wisconsin st						
19	Cable st.	S. line of Mill st. to Terrace road.						
20	Fremont st.	E. line Williams ave. to E. line Cleveland av						
21	Sixth st.	N. line of Hoyt to cen. line Irving st.						
22	24th st.	Cen. line Glisan st. to cen. line Savier st.						
23	Sixth st.	N. line Morrison st. to S. line Hoyt st.						
24	Mississippi ave	N. line Goldsmith st. to S. line Russell st.						
25	Halsey st.	E. line of Third st. to W. line Union ave.						
26	Portsmouth av	C. line Dawson st. to C. line Willamette boul.						
27	Beacon st.	W. line Milwaukie st. to E. line of E. 8th st						
28	Wasco st.	E. line E. 9th st. to W. line of E. 12th st.						
29	Lewis st.	W. line of Goldsmith st. to E. line Loring st.						
30	E. Ninth st.	N. line Multnomah st. to S. line Tillamook st						
31	E. Tenth st.	" " " " " "						
32	E. Eleventh st.	" " " " " "						
33	E. Morrison st	C. line of E. 34th st. to W. line Barger tract.						
34	Powell st.	E. line of Milwaukie st. to W. line E. 21st st						
35	E. Burnside st.	E. line Grand av. to E. line T.Sullivan's DLC						
36	Minnesota ave	N. line Beech st. to S. line Prescott st.						
37	First st.	S. line Madison st. to S. line Clay st.						
38	Mallory ave.	N. line Beech st. to S. line Mason st.						
39	Loring st.	N. line Albina ave. to S. line Randolph st.						
40	Cornell st.	N. line Washington st. to C. line Flanders st						
41	Tenth st.	N. line Stark st. to S. line Front st.						
42	E. Stark st.	Cen. line E. Water st. to W. line E. 16th st.						
43	Stark st.	W. line 2d st. to E. line 3d st.						
44	E. Burnside st.	80' W. of E. line E. 3d st. to W. line Grand av						
45	Fremont st.	E. line Willamette bld. to W. line Mitchell st						
46	Nartilla st.	N. line Madison st. to S. line Main st.						
47	Hoyt st.	W. line 4th st. to W. line 5th st.						
48	Elm st.	W. line 16th st. to E. line Chapman st.						
49	Davis st.	W. line 21st st. to E. line 22d st.						
50	Madrona st.	S. line Durham ave. to N. line Farrell st.						
51	Water & Hood	N. line Clay st. to 100' S. of Caruthers st.						
52	Hamilton ave.	Cen. line Ohio st. to E. line Illinois st.						
53	Ohio st.	N. line Hamilton av. to cen. line Bancroft av						
54	Corbett st.	N. line Bancroft ave. to S. line Hamilton ave						
		Total						

ST. WORK EST. IN 1893. (UNDER ORD.)--Continued.

DATE OF ESTIMATE	NO. OF ORD.	CUBIC YARDS				
		Exc.	Emb.	Grav'l	Mac'd	Sand
January 4	8021					
" 24	8023	157	16	780		
" 9	8024	235	766			
" 7	8062	271			245	
" 6	7887	7552	5504		982	
" 9	8019					
" 10	8084	158			195	
" 21	8061	2663	1971			
February 1	6100					
" 15	7672	156				
" 23	8150	324	215			
March 3	8132					
" 2	8131	2791	768		3386	
February 23	8022	8495	3801	5463		
April 3	2000					
March 27	8191	3070	617			
" 28	8082	3103	2363			
" 27	8190	1326	31			
April 10	8081	948	1989			
" 24	8251	669				
May 10	8270	264				109
May 8	8252	2492			2682	
June 13	8327	1931	1020			
" 26	8323	186	31			
" 27	8351	23	3	111		
" 27	8325	1978	222			
" 27	8318	910	548	1038		
" 27	8352	410	18	700		
July 11	8322	94	900			
" 26	8324	1085	742	1671		
" 26	8320	1356	777	1414		
" 26	8321	1196	770	1089		
" 26	8377	873	8			
" 11	8326	4679	1165			
" 26	8396	21143	12198			
August 7	8376	5839	2757			
" 7	8394	2			257	
" 7	8398	7095	598			
" 7	8395	167	862			
" 28	8397	1566	1016		852	
" 29	8432	169	898		1225	
September 25	8478	6312	5844	547		
October 9	8536	159				
September 25	8479	562	94			
October 9	8480	5679	25			
" 23	8535	77	35			
" 24	8550	300	94			119
November 5	8548	134	3066			
" 20	8589	406	216			
" 20	8549	3003	966			
December 8	8574	30			311	
" 12	8620					
" 16	8590	119	8			
" 16	8632					
		118257	53022	12813	10136	228

STREET WORK DONE IN 1893. (UNDER ORD.)

Number	NAME OF STREET	EXTENT OF IMPROVEMENT	DATE OF ESTIMATE
			NO. OF ORDNC
1	Minnesota ave.	From Cent. line Freem't to n. line Beech st.	October 20, 1892
2	Northrup st.	16th st. to w. line of 21st.	August 30, 1892
3	Mississippi ave.	Cent. Russell st. to cent. line Morris st.	July 26, 1892
4	Idaho st.	W. line Macadam st. to e. line Wisc'sin st.	July 5, 1892
5	A (E. 24th) st.	S 1 blk 1 J. Irving's add. to n. l. of Till'mook	October 7, 1892
6	E. Oak st.	50 ft. e. of E. 2d. st. to e. line of Water st.	November 17, 1892
7	E. 8th st.	N. line Ainsworth ave to n. line Dekin av	November 21, 1892
8	Union ave.	Cent. line Morris st. to n. line Prescott st	December 12, 1892
9	E. Everett.	E. line Union ave to w. line E. 12th	August 20, 1892
10	Wasco st.	W. line 1st st. to cent. line 9th st.	November 26, 1892
11	Montana ave.	N. line Fremont st. to n. line Mult'mah.	July 19, 1892
12	Adams st.	N. line Holladay ave to n. line Hassolo st.	August 17, 1892
13	Morrison st.	12 ft. e. of w. l. Front st. to e. l. Chapman st	November 3, 1892
14	Cambridge st.	E. line Union ave and w. line E. 9th st.	November 1, 1892
15	Willamette st.	E. line 12th to Sandy rd.	October 6, 1892
16	Vancouver ave.	N. line Russell st. to s. line Morris st.	September 9, 1892
17	12th st.	Cent. line Overton st to cent. line Quimby	January 4, 1893
18	E. 17th st.	N. line E. Morrison to s. line E. Stark	" 24, 1893
19	E. Sherman st.	W. line E. 7th to the S. P. right of way	" 29, 1893
20	Hoyt st.	E. line E. 9th to e. line 10th st.	" 7, 1893
21	E. Wash'n st.	E. Water st. to Union ave	" 9, 1893
22	17th st.	Cent. line Raleigh to 150 ft. s. therefrom	" 10, 1893
23	E. Harrison st.	W. line E. 11th to w. line E. 3d st.	" 21, 1893
24	Port'd boulevard		
25	Idaho st.	W. line Macadam st. to E. line Wisconsin	February 15, 1893
26	Cleveland ave.	S. line Beech st. to cent. line Fremont st	" 23, 1893
27	Northrup st.	100 ft. E. 9th st. to 70 ft. E. 12th st	March 3, 1893
28	Milw & E. 11th	S. line of E. Caruth. st. to s. bound'y city	February 23, 1893
29	Port'd boulevard		
30	Shaver st.	E. line Williams to w. line Union ave.	March 27, 1893
31	Hawthorne terr	W. line 16th to the city boundary.	" 28, 1893
32	Nebraska st.	W. line Bond st. to e. line Wisconsin st.	" 27, 1893
33	Cable st.	S. line Mill st. to Terrace road	April 10, 1893
34	Fremont st.	E. line Williams ave to e. line Cleve'd ave	" 24, 1893
35	6th st.	N. line Hoyt to cent. line Irving st.	May 10, 1893
36	24th st.	Cent. line Glisan st. to cent. line Savier st	" 8, 1893
37	6th st.	N. line of Morrison s. to s. line Hoyt st.	June 13, 1893
38	Mississippi ave.	N. line Goldsmith st. to s. line Russell st.	" 26, 1893
39	Halsey st.	E. line E. 3d. st. to w. line Union ave.	" 27, 1893
40	Portsmouth ave	Cent. Dawson st. to cent. line Will. Boul.	" 27, 1893
41	Beacon st.	W. line Milwaukee to e. line of E. 8th st.	" 27, 1893
42	Wasco st.	E. line of E. 9th st. to w. line of E. 12th st	" 27, 1893
43	Louis st.	W. line Goldsmith st. to e. line Loring st.	July 11, 1893
44	E. 9th st.	N. line Multnomah st. to s. line Tillm'k st	" 26, 1893
45	E. 10th st.	" " " " " "	" 26, 1893
46	E. 11th st.	" " " " " "	" 26, 1893
47	E. Morrison st.	E. line of E. 34th st. to w. l. Barger tract	" 26, 1893
48	Powell st.	E. line of Milw. st. to w. line of E. 21st st.	" 11, 1893
49	Minnesota ave	N. line Beech st. to s. line Prescott st	August 7, 1893
50	1st st.	S. line Madison st. to s. line of Clay st.	" 7, 1893
51	Mallory ave.	N. line Beech st. to s. line Mason st.	" 7, 1893
52	Cornell st.	N. line Wash'n st. to cent. line Flanders.	" 28, 1893
53	Stark st.	W. line 2d st. to e. line of 3d st.	October 9, 1893
54	Hoyt st.	W. line 4th st. to w. line of 5th st.	" 24, 1893
55	E. Burnside st.	E. line Grand ave to e. l. of Sullivan D.L.C	July 26, 1893
Total			

STREET WORK DONE IN 1893. (UNDER ORD.)

DATE OF ESTIMATE	NO. OF ORDNC	CUBIC YARDS					SQ. YDS	LIN'L FEET
		Exc	Emb	Grv'l	Maca-dam	Sand		
October 20, 1892	7888	2169	520				1514	
August 30, 1892	7758	167	1538				884	
July 26, 1892	7707	683	1433	1055			584	
July 5, 1892	7672	191	219					
October 7, 1892	7838	4145	2321	1758			2108	
November 17, 1892	7907							
November 21, 1892	7908	5991					1527	
December 12, 1892	7913	22941	7631	6661			7338	
August 20, 1892	7756	2677	1915	1939			3340	
November 26, 1892	7914	412	856	670			916	
July 19, 1892	7637	6238	10427				4772	
August 17, 1892	7755	1390		200			400	
November 3, 1892	7952	4881						
November 1, 1892	7907	4139						
October 6, 1892	6968	3467	211	1613			3049	
September 9, 1892	7788	2657	379	1713			2288	
January 4, 1893	8021							
" 24, 1893	8023	157	16	780				
" 29, 1893	8024	235	766				251	
" 7, 1893	8062	271			245		212	
" 9, 1893	8019							
" 10, 1893	8084	158			195		12	
" 21, 1893	8061	2663	1971				1832	
		6100						
February 15, 1893	7672	156						
" 23, 1893	8150	324	215				662	
March 3, 1893	8132							
February 23, 1893	8022	8495	3801	5463			6203	
		2000						
March 27, 1893	8191	3070	617				1549	
" 28, 1893	8082	3103	2363					
" 27, 1893	8190	1326	31				896	
April 10, 1893	8081	948	1989				1188	
" 24, 1893	8251	669					260	
May 10, 1893	8270	264					349	
" 8, 1893	8252	2492					2068	
June 13, 1893	8327	1931			2682			
" 26, 1893	8323	186	31		1020			
" 27, 1893	8351	23	3	111			110	
" 27, 1893	8325	1978	222				2301	
" 27, 1893	8318	910	548	1038			1490	
" 27, 1893	8352	410	18	670			224	
July 11, 1893	8322	94	900				848	
" 26, 1893	8324	1085	742	1671			1186	
" 26, 1893	8320	1356	777	1414			1666	
" 26, 1893	8321	1196	770	1089			1088	
" 26, 1893	8377	873	8				624	
" 11, 1893	8326	4679	1065				4677	
August 7, 1893	8376	5839	2757				3453	
" 7, 1893	8394	2			258		152	
" 7, 1893	8398	7095	598				1798	
" 28, 1893	8397	1566	1016				1444	
October 9, 1893	8536	159						
" 24, 1893	8550	300	94				281	
July 26, 1893	8396	16924	10921				5367	
Total		141125	59689	27845	4400	228	1970	70301

STREET EXTENSION SURVEYS IN 1893.

No.	Name of Streets	L'gth of Sur in mls	Date of Survey	Area in Sq. ft. Appr'd	DESCRIPTION OF SURVEY.
1	E. 22d st. ....	.14	Dec. 27, '92	40863	From the N. line of Dunn's addition to East Portland to Sandy road.
2	Canon Co. road	.58	.....	AD. AS A ST	" a point 84.2 ft. e. of pt. where e. line of City P'k intersects cen. Jeff. st. to w. bdy City
3	E. 14th st. ....	.28	Jan. 19, '93	63600	" south line of East Oak st. to north line of East Yamhill st.
4	E. 24th st.	1.00	Jan. 28, '93	345508	" north line of T. Sullivan D. L. C. to the south line of said T. Sullivan D. L. C.
5	Cardinell drive	.64	Feb. 27, '93	79831	" intersection of Twelfth and College sts. to intersection with Lownscale and Clifton sts
6	E. 17th st. ....	.63	Mar. 22, '93	141720	" north line of East Stark st. to the south line of Oregon st.
7	Benton st. ....	.25	Mar. 21, '93	55944	" northerly line of Dixon st. to the east line of Goldsmith st.
8	E. 37st st. ....	.29	Mar. 22, '93	65000	" north line of East Taylor st. to the south line of East Stark st.
9	Edgar st. ....	.10	Apr. 12, '93	20145	" e.l. of r't-of-way O.&C.R. to e.l.E.16th st. & from w.l. blk 3 Smith's sub. to w.l. E.20th st
10	E. 22d st. ....	.26	Apr. 7, '93	60420	" south line of John Irving's 1st add. to East Portland to north line of Holladay ave.
11	Halsey st. ....	.30	Apr. 29, '93	95774	" east line of Holladay's add. to west line of East Twenty-fourth st.
12	Sheridan st. ....	.06	Apr. 22, '93	5120	" west line of Sixth st. to west line of Patton county road.
13	Clackamas st. ....	.30	Apr. 27, '93	95712	" east line of Holladay's add. to west line of East Twenty-fourth st.
14	Olin st. ....	.60	Apr. 24, '93	132940	" its northerly terminus southwesterly to the Willamette boulevard.
15	E. 2d st. ....	.10	May 8, '93	20711	" south line of East Glisan st. to south line of East Irving st.
16	Case ave.	1.21	May 8, '93	381357	" west line of McKenna ave. to southwest corner of Point View.
17	Commercial st.	.06	May 23, '93	15664	" north line of Riverview add. to south line of Central Albina.
18	15th st. ....	.03	May 23, '93	4051	" south line of Upshur st. to southerly line of Front st.
19	Commercial st.	.12	June 13, '93	8769	" north line of Russell st. to south line of Sellwood st.
20	Delay st. ....	.25	June 5, '93	80126	" north line of Russell st. to north line of Morris st.
21	Cardinell drive	.85	June 28, '93	140685	" south line of College st. to west line of Lownscale st.
22	Gantenbein av	.01	July 8, '93	1450	" north line of Ivy st. to south line of James Thompson D. L. C.
23	Fremont st. ....	.26	July 5, '93	58912	" west line of Mitchell st. to east line of Gantenbein ave.
24	I st. ....	.11	Oct. 27, '93	31797	" west line of Goodsell ave. to east line of Timothy Sullivan D. L. C.
25	E. 16th st. ....	.11	Nov. 18, '93	27000	" south line of Feurer's add. to north line of Boise's add.
		8 54		1973099	

RECAPITULATION OF WORK DONE DURING 1893.

WORK DONE UNDER	LINEAL FEET																				
	SIDEWALK						CROSSW'LK			GUTTER			1/2 Plank Roadway	1/2 Bridge	Box & Trestle Support	Widened Walls	1/2 Plank Roadway Relay	Piling	Sewer Laid	Pile Foundation	
	New	Relay	Cement	Curb Relay	Curb	Without Curb	Cement or Granite Curb	New	Granite or Stone	Relay	Box	Open									Stone
Permit.	61446	5927	...	...	...	...	676	300	25	...	186	100	...	1237	...	...	...	...	...	...
Ordinance.	70301	599	...	100	309	100	10631	12141	595	824	3651	10486	1050	13525	1960	1106	20	2164	20	79911	310
Total.	131747	599	5927	100	309	100	11307	12441	620	824	3837	10586	1050	14762	1960	1106	20	2164	20	79911	310

RECAPITULATION OF WORK DONE DURING 1893.—(CONTINUED.)

WORK DONE UNDER	CUBIC YARDS						NUMBER OF					SQUARE FEET				SQ YDS	ACRES			
	Excavation	Embankment	Excavation and Refilling	Macadam	Gravel	Concrete	Sand	Manholes	"S" Traps	Round Corner B'ks	"Y" Branches	Catch Basins	Asphalt	Concrete	Brick Pavement			Wooden Pavement	Stone Blocks	Clearing & Grubbing
Permit.	289189	99405	...	1820	9249	...	...	...	...	...	...	...	...	...	7200	1800	...	...	...	...
Ordinance .	168868	71915	72026	4400	27845	1938	228	243	293	293	5637	293	323347	323347	...	...	1970	...	...	3
Total.	458057	171320	72026	6220	37094	1938	228	243	293	293	5637	293	323347	323347	7200	1800	1970	...	...	3

WORK DONE UNDER PERMIT IN 1893.

NO. OF PERMITS ISSUED	CUBIC YARDS				SQ. FT.		LINEAL FEET							
	Exc.	Emb.	Grav'l	Mac'd	Brick Pymt Bl'ks Sq. Ft.	Wood Sq. Ft.	Side Walk	Cross Walk	Box Gutter	Open Gutter	Cem't Walk	Stone Curb	Plank Rdwy	Stone Cross Walk
670	289189	99405	9249	1820	7200	1800	61446	300	186	100	5927	676	1237	25
Total	289189	99405	9249	1820	7200	1800	61446	300	186	100	5927	676	1237	25

INVENTORY OF PROPERTY IN THE CITY SURVEYOR'S DEPARTMENT AT THE END OF THE YEAR 1893.

1 Map of the City in 3 parts (old).	1 Box eyelets.
1 Map of Portland, Habersham's.	1 Eyelet punch.
1 Lewis & Dryden's atlas.	6 Paper weights
1 Map Multnomah County.	1 Beam compass.
1 Map Albina.	1 Pair shears.
52 $\frac{1}{4}$ -section maps of the City of Portland.	Pens, penholders, rubberband, inkstands, rubber stamp and miscellaneous drawing instruments.
326 Record plats and dedications (tracings).	2 Transits and boxes.
326 Rec'ded plats (blue prints).	1 Level box.
75 Grade charts.	1 Dumpy level (poor).
Miscellaneous maps and profiles.	7 Steel line rods.
22 Record books.	2 Wooden line rods.
3 Grade books.	7 Level rods.
11 Certificate books.	5 Steel tapes.
1 Hasswell engineering book.	9 Plumb bobs.
1 Map index.	6 Axes.
1 Profile index.	1 Pick.
1 City directory.	1 Shovel.
2 Map portfolios.	1 Brush hook.
2 City Ordinance books.	1 Drill.
5 Order books.	1 Post-hole digger.
500 Blank street and sewer estimate blanks.	1 Tamper.
300 Cross section sheets.	4 Draughting tables.
1 roll profile paper.	2 Office stools.
1 " duplex paper.	1 Cabinet case (maps and profiles).
1 " tracing cloth.	1 Roll top desk.
1 " paragon paper.	3 Office desks.
1 " blue print paper.	10 Chairs.
1 " " " cloth.	4 Stove pipes.
2 steel straight edges.	4 Coal scuttles.
1 Wooden " "	2 Map racks.
4 Rubber triangles.	1 Grindstone.
2 Transparent " "	1 Feather duster.
2 Wooden " "	1 Estimate sheet case with drawers.
5 French curves.	6 Window shades.
3 Engineer's scales.	1 Gas lamp.
1 Paper protractor.	4 Gas fixtures.
1 Horn protractor.	2 Rooms linoleum.
1 T square.	1 Room carpet.
1 Arm rest.	20-foot office railing and fixt.
$\frac{1}{2}$ -dozen rubber erasers.	6 Cuspidors.
1 Steel eraser.	

BOARD OF FIRE COMMISSIONERS

—OF—

PORTLAND PAID FIRE DEPARTMENT.

1893-1894.

J. H. STEFFIN, Pres. Term Expires July, 1894
T. B. TREVETT. . Term Expires July, 1894
THEO. WYGANT. . Term Expires July, 1894

OFFICERS

JOSEPH BUCHEL, . . . Chief Engineer
DAVID CAMPBELL, . . . First Assistant
District south of Morrison street.
M. LANDENKLOS, . . . Second Assistant
District north of Morrison street.
T. DEBOEST, . . . Third Assistant
District East Portland and Albiua.
A. J. COFFEE, . . . Supt. Fire Alarm

*Office of the Board of Fire Commissioners, Chief
Engineer's and Secretary's
Room, 5½ Bickel Block, Second and Ash Streets,
C. A. FREEMAN, Secretary.*

REPORT

—OF THE—

BOARD OF FIRE COMMISSIONERS

1893.

OFFICE OF THE BOARD OF FIRE COMMISSIONERS,
PORTLAND, OREGON, January, 1894.

*To the Hon. Mayor and Common Council of the
City of Portland:*

GENTLEMEN:—In obedience to the requirements of Section 177 of "an act to incorporate the City of Portland," the Board of Fire Commissioners have the honor to present to your honorable body, a statement of the receipts and disbursements of the department for the fiscal year ending December 31st, 1893, with such other information and recommendations as will in their judgment tend to keep up the present high standard of efficiency in the department.

REVENUES, 1893.

From tax roll 1893.....	\$136,167	09	
From delinquent tax roll			
1893	4,553	20	
From house moving	4	50	
From sale of 24 exempt			
certificates	48	00	
From rent of engine house	18	00	
From sale of copper, zinc,			
sacks and hose couplings	56	85	
From injury to hydrant..	14	20	
From Albina Light &			
Water Co., refund.....	45	00	
From sale of 5 horses....	255	00	
From sale of hose house.	40	00	
From rent of engine 135 00			
Cutting wires.....	2 50	137 50	
			\$141,339 34

EXPENDITURES, 1893.

For Officers' Salaries.....	\$ 8,965	25	
For Companies' Salaries....	72,515	97	
			\$81,481 22
Repairs to houses.....	\$ 6,139	12	
			6,139 12
			\$87,620 34

APPARATUS.

New Apparatus.....	\$ 4,407	50	
Repairs.....	3,701	19	
			\$ 8,108 69

HORSES.

Purchased	\$ 2,200	00	
Shoeing.....	1,204	72	
Veterinary Surgeon.....	162	75	
			\$ 3,567 47
Harness and Repairing.....	\$ 959	55	
Horse Feed	6,106	04	
Fuel	1,724	45	
Lighting	1,548	96	
Small Stores.....	865	00	
Telephone.....	1,103	00	
Insurance	310	50	
Incidentals.....	3,570	29	
Ground Rent Hose Co. No. 1	810	00	
			\$16,997 79

HOSE.

2,950 ft. Rubber Hose.....	\$ 3,080	00	
1,656½ ft. Cotton and Suction			
Hose.....	1,751	91	
Repairs	81	15	
			\$ 4,913 06

WATER.

Portland Hydraulic Elevator			
Co.....	\$ 6,360	00	
Albina Light & Water Co..	2,284	00	
Portland Heights Water Co.	360	00	
			9,004 00

HYDRANTS.

65 New	\$ 1,730 50	
Setting Same	1,803 27	
Gates	145 50	
Repairs	392 96	
		<u>4,072 23</u>
Cistern Repairs	\$ 398 85	
Office Expense	304 40	
Printing and Advertising	412 64	
		<u>1,115 89</u>

FIRE ALARM TELEGRAPH.

Salaries of Superintendent and Lineman	\$ 2,700 00	
Extension Material	11,414 62	
Labor	300 00	
		<u>14,414 62</u>

AUXILIARY FIRE COMPANIES.

Material	\$ 4 00	
Labor	740 00	
		<u>\$ 744 00</u>

Total Expenditures in 1893, . . . \$150,558 09

TOTAL EXPENDITURES IN 1893.

Revenue for 1893	\$141,339 34
Balance on hand January 1st, 1893	2,877 62
	<u>\$144,216 96</u>

Outstanding Warrants De- cember 31st, 1893	6,341 13	
		<u>\$150,558 09</u>

Excess of Expenditure over Revenue for 1893	\$9,218 75
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ESTIMATES FOR 1894.

Salaries	\$88,800 00
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APPARATUS.

One Chemical Engine and Hose		
Reel	\$3,030 00	
Repairs to Apparatus	5,000 00	
Repairs to Houses	1,500 00	
		<u>9,530 00</u>
Hose	5,500 00	
Hydrants, Gates and Setting (70)	4,900 00	
Cistern Repairs	250 00	
		<u>10,650 00</u>
Horses—Cost	1,400 00	
Shoeing	1,400 00	
Veterinary Surgeon	175 00	
		<u>2,975 00</u>
Harness Repairs	1,000 00	
Horse Feed	6,500 00	
Telephone	1,200 00	
Lighting	1,700 00	
Fuel	1,800 00	
Small Stores	1,000 00	
		<u>13,200 00</u>

WATER.

Portland Hydraulic Elevator Co.....	6,560 00	
Albina Light and Water Co..	2,500 00	
Portland Heights Water Co...	360 00	
Piedmont Water Co.....	210 00	
	<hr/>	9,430 00
For Incidental Expenses.....	4,000 00	
For Rent of Hose House No. 1, \$1,200; and Sunnyside, \$360.....	1,560 00	
For Office Expenses, Printing and Stationery.....	500 00	
	<hr/>	6,060 00

FIRE ALARM TELEGRAPH.

Maintenance.....	1,000 00	
Six New Boxes and Extension of Line.....	1,200 00	
Two Indicators and Material for Chemical (3).....	392 00	
Two Repeaters.....	622 00	
	<hr/>	3,214 00
		143,859 00
Deficiency for 1893.....		9,218 75
Total Estimate for 1894.....		<hr/> \$153,077 75

The urgent necessity for a fire boat to protect the property situated along the water front of the City is such that the Board feels called upon to again call the attention of your

Honorable Body to this matter, to the end that the protection so much needed may be furnished.

LIST OF PROPERTY IN TRUST.

VALUES ESTIMATED.

Engine Co. No. 1 and Hook and Ladder Co. No. 1, lot and house and bell tower	\$50,000 00
Engine Co. No. 2, house and lot.....	25,000 00
Engine Co. No. 3, house and lot.....	20,000 00
Engine Co. No. 4, Hook and Ladder No. 2, house and lot.....	15,000 00
Engine Co. No. 5, house and lot.....	7,500 00
Engine Co. No. 6, house, corporation shed, house and lot.....	8,000 00
Engine Co. No. 7 and Hook and Ladder Co. 4, house and lot.....	20,700 00
Engine Co. No. 8 and Hook and Ladder Co. No. 5, house and lot.....	6,000 00
Hook and Ladder Co. No. 3, house and lot.....	10,000 00
Hose Co. No. 2, house and lot.....	30,000 00
Hose Co. No. 3, house and lot.....	3,500 00

Hose Co. No. 4, house and lot	2,750 00
House and lot Holladay's add	1,500 00
House and lot Miss. ave.	1,800 00
House and lot Rodney ave.	2,250 00
Two Chemical Engines	4,346 00
	<hr/>
	\$208,346 00

APPARATUS.

Ten Engines, seven hose wagons, three hose carriages (4 wheels), one hose carriage, four wheels (hand), four hose carts (2 wheels), seven hose reels, two wheels, two engines (unfit for use), one first-class hook and ladder, one second-class hook and ladder truck, three third-class hook and ladder trucks, two village trucks (hand)	70,000 00
Harness, etc.	4,250 00
Property in corporation shed	500 00
Property in Commissioner's office	300 00
Property in Engine House	
Stores, Tools, etc.	5,000 00
Fifty-five horses	11,000 00
Fire Alarm Apparatus	32,500 00
	<hr/>
	123,550 00
	<hr/>
Total value of property in trust	\$331,896 00

The detailed exhibits of the workings of the department for the year 1893, together with inventories of department properties required by section 180 of the City Charter, are in active preparation, and soon as completed will be laid before your Honorable Body.

Respectfully submitted,

J. H. STEFFEN, President.

T. B. TREVETT,

THEO. WYGANT,

Commissioners.

C. A. FREEMAN,

Secretary.

CHIEF ENGINEER'S REPORT.

OFFICE OF CHIEF FIRE DEPARTMENT,
170 Fourth St., }
PORTLAND, ORE., January 1st, 1894.

To the Honorable Board of Fire Commissioners:

GENTLEMEN:—In compliance with the rules and regulations, I herewith present the annual report of the Fire Department, showing the conditions of the organization under my charge, the amount of loss and insurance, number of fires and alarms, the present condition of the various engine houses, hose carriages, hook and ladder trucks, and all other appurtenances connected with the organization, together with a statement relative to the necessary improvement required for the more effectual extinguishing and prevention of fires occurring in this city for the year ending December 31st, 1894.

FIRE ALARMS.

The Department responded to 236 alarms during the year. The total losses amounting to \$155,459.39; of this amount \$68,000.14 was from five fires, as follows:

Feb. 6.	Ainsworth School.		
	House, owned by the City	\$ 7,910	00
May 30.	Second St., bet. Salmon & Taylor, owned by Frazier & Corbett.....	9,511	60
May 21.	Cor. First & Yamhill, owned by Mrs. Levy	10,832	95
July 17.	95 Sixth St., owned by S. Wolf.....	6,104	50
Nov. 5.	772 Washington St. owned by Portland Consolidated R. R. Co.....	33,641	09
		—————	\$68,000 14

FORCE OF THE DEPARTMENT.

The working force of the department consists, at the present, of the following men:

- 1 Chief.
- 1 Assistant and Chief.
- 2 District Engineers.
- 1 Superintendent of Fire Alarm Telegraph.
- 1 Secretary Board of Fire Commissioners.
- 1 Fire Alarm Telegraph Repair Man.
- 1 Supply Driver.
- 80 Members of Engine Companies.

- 50 Members of Truck Companies.
- 32 Members of Hose Companies.
- 6 Members of Chemical Engine Companies.

176—Total strength of the men of the department, which are divided into eight Engine, four Hose, five Hook and Ladder and two Chemical Engine Companies.

CONDITION OF HOUSES, APPARATUS AND HOSE.

Engine Co. No. 1.

House is in good condition and the engine, which is of the second-class Clapp & Jones make, was built in 1890. The tender is a four wheeled wagon, carrying 800 feet of cotton hose, and there is a change of 800 feet of cotton hose in the rack, all of which is in good condition.

Present number of men, 10.

Engine Co. No. 2.

House is in good condition, the apparatus consists of one second-class Amoskeag engine, built in 1873, which is in ordinary condition. This engine is out of service.

One two-wheeled hose cart and 800 feet of hose, in good condition.

Present number of men, 8.

Engine Co. No. 3.

House in ordinary condition, floor needs repairing.

The apparatus consists of one fourth-class Silsby engine, built in 1880, which is in good condition.

One two-wheeled hose cart and 700 feet of hose, in good condition.

Engine Co. No. 4.

House in good condition, except that it needs painting and kalsomining.

The apparatus consists of one second-class Amoskeag engine, built in Manchester, New Hampshire, in 1873, which is in ordinary condition.

One two-wheeled hose cart, 800 feet of rubber hose, both being in good condition.

Present number of men, 10.

Engine Co. No. 5.

House in good condition, except that it needs painting and kalsomining.

The apparatus consists of one steamer, built by the Amoskeag Company, in 1874, fourth-class, which is in good condition.

One four-wheeled hose wagon, and 900 feet of rubber hose, both being in good condition.

Present number of men, 10.

Engine Co. No. 6.

House in good condition.

The apparatus consists of one third-class Clapp & Jones engine, built in 1890.

One four-wheeled hose wagon, and 800 feet of hose, cart being in good condition.

Present number of men, 10.

Engine Co. No. 7.

House in good condition. The apparatus consists of one fifth-class Silsby engine, built in 1883, and in good condition.

One four-wheeled hose wagon and 900 feet of hose, both in good condition.

Present number of men, 10.

Engine Co. No. 8.

House in good condition.

The apparatus consists of one fourth-class Waterhouse engine, built in 1891, and is in good condition.

One four-wheeled hose wagon and 950 feet of hose, both being in first-class condition.

Present number of men, 10.

Hose Co. No. 1.

House in ordinary condition. Rented from W. W. McGuire.

The apparatus consists of one four-wheeled hose carriage and 800 feet of hose, both being in good condition.

Present number of men, 8.

Hose Co. No. 2.

House in good condition.

The apparatus consists of one four-wheeled hose wagon with 850 feet of hose, both in good condition.

Present number of men, 8.

Hose Co. No. 3.

House in good condition.

The apparatus consists of one four-wheeled hose carriage and 850 feet of hose, both in good condition.

Present number of men, 8.

Hose Co. No. 4.

House in ordinary condition.

The apparatus consists of one four-wheeled hose wagon, which was built in 1888, (needs a new one), 900 feet of hose, in good condition.

Present number of men, 8.

Hook and Ladder Co. No. 1.

House in good condition.

Apparatus consists of one first-class Hayes truck, which was built June 17th, 1879, fully equipped and in good condition.

Present number of men, 10.

Hook and Ladder Co. No. 2.

House in good condition except that it needs painting inside and kalsomining.

The apparatus consists of a second-class Hays truck in good condition (except it needs painting), which was built in 1878.

Present number of men, 10.

Hook and Ladder Co. No. 3.

House in good condition, except that it needs painting.

The apparatus consists of a third-class Hayes truck built in 1891, which is in good condition.

Present number of men, 10.

Hook and Ladder Co. No. 4.

House in good condition.

The apparatus is a third-class Hayes truck in good condition.

Present number of men, 10.

Hook and Ladder Co. No. 5.

House in good condition.

The apparatus is a third-class Hayes truck built in 1891.

Present number of men, 10.

Chemical Engine Co. No. 1.

In same house with Engine Company No. 2.

The chemical engine is a double sixty-gallon, built by the Extinguishing Company, Chicago, Ill., with 250 feet of hose, all in good condition.

Present number of men, 3.

Chemical Engine Co. No. 2.

In same house with No. 2 Hose Co. The Chemical Engine is a double, sixty-gallon, built by the Extinguishing Company, Chicago, Ill., with 250 feet of hose, all in good condition.

Present number of men, 3.

Buggies.

Chief's buggy is in ordinary condition, harness in good condition, and one horse in good condition.

Assistant Chief's, and Acting District Engineer No. 1, buggy and harness, in good condition.

District Engineer No. 2.

Buggy in good condition. Harness in poor condition. Horse in poor condition.

District Engineer No. 3.

Buggy and harness, both in good condition.

One Supply Wagon.

Four wheels, in ordinary condition.

One horse and harness in good condition.

Hydrants.

The number in the city are as follows:

Western District	263
Eastern District	168
Elevator Company	51
Portland Heights	6
Total	488

There are 82 fire cisterns, all in good condition excepting at Front and Columbia streets, Front and Madison streets, First and Ash streets, and First and Burnside streets, which will not retain water.

RECOMMENDATIONS.

I would recommend that the following material and apparatus be purchased:

6,000 feet of rubber hose; 500 feet of which is for Sunnyside, and 500 feet for Woodlawn.

70 of the latest improved fire hydrants.

6 Hale Roof Cutters.

1 Water Tower.

1 New Heater for No. 1 Engine Co.

8 Horses.

2 Ground Extension Ladders.

2 Chemical Engines (double, 60 gallon); one for Holladay's Addition, and one for Nob Hill.

6 Fire Alarm Boxes.

That No. 7 truck be changed so it may be drawn by 3 horses.

That gas be put in Engine House No. 5 and 6.

1 Hose Hoist and 1 Distributing Nozzle (Bresnan's make).

Hose Company No. 4 needs a new Hose Reel, Bath Tub and Electric Lights put in.

As we are without any means of doubling up two or three lines of hose into one large line for heavy work at large fires, and as I consider this a necessity, I would ask for the necessary material to apply one or two such arrangements, each to be carried on a truck, and to consist of one three-way Siamese connection with automatic valves. 100 feet $3\frac{1}{2}$ -inch 3-ply cotton hose, a short pipe and holder.

One relief Engineer in my judgment is indispensable.

I respectfully call your attention to the recommendation of my predecessors, in relation to the great necessity for a Building Inspector, and also to the recommendations of all the Ex-Chiefs of this department for years past, of the great necessity of a fire boat, especially as there are no slips or piers where engines can take suction from the river to fight fires on the river front, thereby endangering all such valuable property, together with all shipping, and, in fact, the whole city.

Permits.

During the past year 159 permits for alterations and repairs to buildings have been granted.

Commendable Service.

Hook and Ladder Co. No. 1 saved three lives at the fire corner Seventh and Washington streets, on the evening of June 30, 1893, at 10:25 P. M.; two men and one woman, who were overcome by smoke were taken from the building.

Chemical Engines.

I am pleased to state the service of the two Chemical Engines which were put in July 3d, 1893, have been all that has been predicted for

them, and in my opinion is commendable. The records show they have responded to fifty-one alarms of fire, four of which were false, *thirty-nine* were extinguished by them, and eight by other companies, thus making the remarkable record of having put out 82 46-47 per cent. of all fires they attended, 17 1-47 per cent. being the work of other companies.

Deaths.

A. E. Beckwith, Extraman of Engine Co. No. 5, died August 13, 1893. The deceased was buried by the Firemans' Mutual Relief Association.

I am pleased to state that the health of the department is remarkable, as there is not a sick man on the list.

In conclusion, I desire to return thanks to the Honorable Board of Fire Commissioners, officers and members of the department, for courteous and kind treatment at their hands.

Very respectfully,

JOS. BUCHEL,

Chief Portland Paid Fire Department.

EXHIBIT OF LOSSES BY FIRE DURING THE YEAR 1893.
INSURANCE INVOLVED AND INSURANCE PAID.

MONTHS	LOSS		INSURED FOR		INSURANCE PAID	
	Buildings	Contents	Buildings	Contents	Buildings	Contents
January.....	\$ 3,080 00	\$ 9,453 00	\$ 12,650 00	\$ 14,265 00	\$ 2,810 00	\$ 4,138 45
February.....	8,701 20	3,798 50	12,200 00	8,600 00	7,891 20	2,608 50
March.....	5,570 09	11,196 99	39,300 00	84,910 00	5,384 69	10,766 99
April.....	2,069 80	2,610 90	14,560 00	16,025 00	1,355 80	2,610 90
May.....	2,527 20	22,826 95	20,400 00	73,350 00	1,793 70	22,776 95
June.....	8,869 37	8,511 15	31,550 00	36,450 00	7,596 87	6,551 90
July.....	4,745 95	9,872 29	20,075 00	15,162 00	4,390 95	9,487 29
August.....	2,928 45	5,347 60	29,225 00	36,435 00	403 45	4,447 60
September.....	1,344 50	1,582 75	3,600 00	14,250 00	1,344 50	1,532 75
October.....	425 00	1,720 00	4,600 00	48,600 00	25 00	370 00
November.....	4,127 85	31,924 43	25,200 00	38,501 00	4,102 85	31,924 43
December.....	1,011 07	1,234 35	21,638 00	16,062 00	1,011 07	1,234 35
	\$ 45,380 48	\$ 110,078 91	\$ 224,9 00	\$ 402,610 00	\$ 38,110 08	\$ 98,450 11

Total Loss.....	\$ 155,459 39
Insurance.....	275,608 00
Insurance Paid.....	136,560 19
Losses Over Insurance Paid.....	18,899 20

CAUSES OF FIRES AND ALARMS.

Burning flue	21
Burning mouldings	1
Burning shavings	2
Burning rubbish	2
Burning sawdust	1
Burning tar	1
Boiling lard	1
Boiling tar	1
Carelessness	4
Defective flue	37
Defective fire-place	1
Defective furnace	3
Defective grate	2
Defective range	1
Explosion gasoline stove	2
Explosion coal oil stove	1
From gas jet	1
From burning electric wires	4
From adjoining buildings	2
From ash pit	1
Fired by tramps	2
Firecrackers	1
Incendiary	32
Lighted cigarette	1
Leaking gas meter	1
Lamp explosion	18
Overheated stove	10
Overheated furnace	1

Overheated flue	2
Overheated range	2
Sparks from chimney	15
Sparks from smokestack	4
Sparks from steamer	1
Sparks from retort	1
Sparks from engine	2
Sparks from ferry boat	1
Sparks from furnace	1
Spontaneous combustion	4
Stump of cigar	1
Unknown	47
Total	236

CLASSIFICATION OF LOSSES.

Number of false alarms	8
Number of fires, no loss	92
Number of fires, loss under \$100	40
Number of fires, loss between \$100 and \$200 ...	19
Number of fires, loss between \$200 and \$300 ...	9
Number of fires, loss between \$300 and \$400 ...	12
Number of fires, loss between \$400 and \$500 ...	8
Number of fires, loss between \$500 and \$750 ...	13
Number of fires, loss between \$750 and \$1,000..	7
Number of fires, loss between \$1,000 and \$2,000	13
Number of fires, loss between \$2,000 and \$5,000	8
Number of fires, loss between \$5,000 and \$10,000	5
Number of fires, loss over \$10,000	2
Total	236

FIRE RECORD 1883 TO 1893 INCLUSIVE.

In 1883 total losses amounted to	\$3190,92	20
In 1884 " "	403,851	90
In 1885 " "	59,329	73
In 1886 " "	98,146	16
In 1887 " "	84,173	72
In 1888 " "	54,347	70
In 1889 " "	37,730	23
In 1890 " "	70,997	61
In 1891 " "	251,759	86
In 1892 " "	573,885	50
In 1893 " "	155,459	39

TABLE OF FIRES AND ALARMS.

YEAR ENDING DECEMBER 31, 1892.

MONTHS.	From all sources.	Boxes.	Stills.	Telephone.	Bell.	Actual Fires.	False.
January	24	11	3	4	4	21	1
February	12	3	3	...	4	12	...
March	18	9	5	1	3	18	...
April	7	4	1	...	2	7	...
May	24	13	7	...	4	23	1
June	23	9	9	1	4	23	...
July	30	16	12	1	1	29	1
August	35	11	8	5	11	34	1
September	19	9	4	1	5	18	1
October	25	13	9	...	3	24	1
November	17	8	5	...	4	17	...
December	25	9	5	6	5	25	...
Totals	257	115	73	19	50	251	6

TABLE OF FIRES AND ALARMS.

YEAR ENDING DECEMBER 31, 1893.

MONTHS.	From all sources.	Boxes.	Stills.	Telephone.	Actual Fires.	False.
January	24	14	6	4	24	...
February	8	6	1	1	8	...
March	30	20	8	1	29	1
April	10	7	1	...	8	2
May	16	12	2	1	15	1
June	30	17	10	2	29	1
July	30	19	9	...	28	2
August	22	16	4	2	22	...
September	9	8	...	1	9	...
October	16	6	7	2	15	1
November	20	10	7	3	20	...
December	21	12	5	4	21	...
Total	236	147	60	21	228	8

LOCATION OF HOUSES.

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

No. 2 Engine Company, west side of Second, between Oak and Pine streets.

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

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

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

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

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

No. 8 Engine Company, west side of Borthwick, between Knott and Sellwood streets.

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

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

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

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

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

Hook and Ladder Company No. 4, southeast corner East Third and East Pine streets.

Hook and Ladder No. 5, west side of Borthwick, between Knott and Sellwood streets.

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

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

Hose Company No. 3.

Hose Company No. 4, Vancouver avenue, between Summit and Cedar streets.

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

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

INSURANCE ON BUILDINGS.

ENGINE AND TRUCK HOUSE NO. 1.

Commercial Union Insurance Co. of London, expires Mar. 30, 1895	\$1,142 86	
Home Insurance Co. of New York, expires November 14, 1895.	2,857 14	————— \$4,000 00

FIRE BELL AND ATTACHMENTS.

Commercial Union Insurance Co. of London, expires March 30, 1895	458 27	
Home Insurance Co. of New York, expires November 14, 1895.	1,041 73	————— \$1,500 00

ELECTRICAL APPURTENANCES, ETC.—FIRE ALARM
TELEGRAPH.

Home Insurance Co. of New York, expires November 14, 1895..	2,142 86	
Commercial Insurance Co. of London, expires March 30, 1895	857 14	————— \$3,000 00

ENGINE HOUSE NO. 3.

London & Lancashire Fire In- surance Co. of London, ex- pires May 20, 1895	1,500 00	
Imperial Insurance Co. of Lon- don, expires May 20, 1895..	1,500 00	————— \$3,000 00

ENGINE HOUSE NO. 4, AND TRUCK HOUSE NO. 2.

Phoenix Assurance Co. of Lon- don, expires Feb'y 1, 1895.		\$3,000 00
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ENGINE HOUSE NO. 5.

Phoenix Assurance Co. of Lon- don, expires April 25, 1895.		\$2,500 00
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ENGINE HOUSE NO. 6.

Home Insurance Co. of New York, expires April 14, 1895	750 00	
Orient Insurance Co. of Hart- ford, Conn., expires April 14, 1895	750 00	————— \$1,500 00

ENGINE HOUSE NO. 8.

Home Insurance Co. of New York, expires October 21, 1895		\$2,000 00
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TRUCK HOUSE NO. 3.

Phoenix Assurance Co. of London, February 1, 1895. \$1,500 00

HOSE HOUSE NO. 4.

Continental Insurance Co. of New York, expires Sept. 29, 1894 500 00
 Continental Insurance Co. of New York, expires July 2, 1894. 900 00
 ————— \$1,400 00

CORPORATION SHED.

Home Insurance Co. of New York, expires April 14, 1895 500 00
 Orient Insurance Co. of Hartford, Conn., expires April 14, 1895 500 00
 ————— \$ 1,000 00

HOUSE ON RODNEY AVENUE.

Continental Insurance Co. of New York, expires July 2, 1894. \$ 900 00

HOUSE ON MISSISSIPPI AVENUE.

Oakland Home Insurance Co., expires May 1, 1894. \$ 900 00

HOSE HOUSE NO. 3.

Home Mutual Insurance Co., expires September 7, 1896. 1,000 00
 Total. \$27,200 00

FIRES AND ALARMS

FROM

JANUARY 1, '93, TO DECEMBER 31, '93.

JANUARY.

Sunday, 1st, 2:30 a. m. Bell.

Union avenue, between Ankeny and Ash. Three-story brick, owned by J. B. Harrington, occupied by W. F. Vorphe as a grocery store; cause, unknown; loss, \$640; insurance, \$2,700.

Sunday, 1st, 8:20 a. m. Box 38.

Corner First and Mill. One-story frame, owned by John Wilson, occupied by D. Carroll as a butcher shop; cause, boiling lard; loss, \$15; no insurance.

Wednesday, 4th, 2:45 a. m. Box 15.

No. 21 Second. Three-story frame, owned by Eberhart estate, occupied by Aug. Erickson as a saloon; cause, unknown; loss, \$178.50; insurance, \$3,600.

Wednesday, 4th, 7:30 a. m. Still.

No. 21 Second. Three-story frame, owned by Eberhart estate, occupied by W. Rosenthal as a second-hand store; cause, unknown; loss, \$1,388; insurance, \$1,500.

Tuesday, 5th, 5 p. m. Box 235.

Burnside and East Sixth. Two-story frame, owned by C. Pollon, occupied by him as a residence; cause, defective flue; no loss.

Monday, 9th. Box 6.

First, between Main and Madison. One-story frame, owned by D. Rolsky, occupied by Barnes & Grossmiller as a saloon; cause, defective flue; loss, \$347.50; insurance, \$700.

Tuesday, 10th, 11:55 p. m. Still.

Burnside, between 1st and 2d. One-story brick, owned by O'Shea Bros., occupied by Boo Woo Co. as a store; cause, burning flue; no loss.

Wednesday, 11th, 1:15 p. m. Still.

First, between Alder and Washington. Three-story brick, owned by Ella Smith estate, occupied by R. Goldsmith as a store; cause, defective furnace; no loss.

Wednesday, 11th, 9:30 p. m. Telephone.

West Park and Washington. Two-story frame, owned by Henry Failing, occupied by

Edward Failing as a residence; cause, overheated flue; loss, \$20; insurance, \$8,000.

Sunday, 15th, 7:50 p. m. Box 318.

Catharine, between Rodney and Union Ave. One and a half-story frame, owned by C. E. Kluth, occupied by J. N. Smith as a residence; cause, incendiary; no loss.

Tuesday, 17th, 11:46 a. m. Box 25.

Eleventh and Marshall. Two-story frame, owned by Theo. Wygant, occupied by Frank Pfluger as a cooper shop; cause, sparks from chimney; loss, \$7,500; insurance, \$2,300.

Tuesday, 17th, 2:45 p. m. Still.

Eleventh and Marshall. Burning rubbish; no loss.

Tuesday, 17th, 6:10 p. m. Box 13.

Fifth and Washington. Two-story frame, owned by Meade estate, occupied by various parties as a barber's shop, etc.; no loss.

Friday, 20th, 7 p. m. Telephone.

Third and Morrison. One-story frame, owned by John Gitzke and occupied by him as a residence; cause, defective flue; loss, \$365; insurance, \$365.

Saturday, 21st, 9:10 p. m. Box 235.

Ash between Fifth and Sixth. One-story frame, owned by Shan Consor, occupied by C.

B. Adams as a residence; cause, lamp explosion; loss, \$556; insurance, \$1,200.

Sunday, 22d, 6:20 p. m. Box 54.

Third and Oak. Three-story brick, owned by J. C. Ainsworth, occupied by Hardman Bros. as a store; cause, burning of electric wire; no loss.

Monday, 23d, 8:55 p. m. Box 53.

Tenth and Alder. Two-story frame, owned by Dr. Brown, occupied by Mrs. Chittenden as a residence; cause, burning flue; no loss.

Tuesday, 24th, 8:30 p. m. Box 6.

Second and Couch. Two-story frame, owned by Mrs. M. Bills, occupied by James Gurney as a saloon; cause, over heated stove; loss, \$60; insurance, \$2,000.

Wednesday, 24th, 8:45 p. m. Still.

Twenty-third between I and J. Two-story frame, owned by C. W. Cauning, not occupied; cause, defective furnace; loss, \$15; insurance, \$1,500.

Thursday, 26th, 8:30 a. m. Telephone.

Twelfth and Taylor. Two-story frame, owned by J. W. Campbell and occupied by him as a residence; cause, sparks from furnace; no loss.

Thursday, 26th, 10:30 p. m. Still.

Fourth and Yamhill. Two-story frame, owned by R. M. Dement, occupied by various

parties as store, lodging house, etc.; cause, defective flue; no loss.

Thursday, 26th, 10:45 p. m. Box 215.

Ivan House, outside city limits.

Thursday, 26th, 1:05 a. m. Box 327.

Beech and Eighth. One-story frame, owned by Ed Boyle, unoccupied; cause, incendiary; loss, \$700; insurance, \$450.

Tuesday, 31st, 3:40 a. m. Telephone.

Twenty-fourth and Johnson. Two-story frame, owned by John Bays, and occupied by him as a residence; cause, defective grate; loss, \$553.45; insurance, \$2,100.

FEBRUARY.

Wednesday, 1st, 4:20 a. m. Box 6.

212 Jefferson. Two-story frame, owned by Mrs. Davis, occupied by L. Brough and others as a barber shop, restaurant, etc.; cause, lamp explosion; loss, \$1,000; insurance, \$1,150.

Saturday, 4th, 2:40 a. m. Box 45.

Sixth and Glisan. One-story frame, owned by Dr. Plummer, occupied by Chinese as a laundry; cause, unknown; loss, \$200; no insurance.

Saturday, 4th, 9:30 p. m. Box 42.

733 Savier. One and one-half-story frame, owned by Mr. Barsch, occupied by O. E. Houck

as a residence; cause, carelessness; loss, \$60; no insurance.

Monday, 6th, 2:30 p. m. Telephone.

Portland Heights. Three-story frame, owned by the City, occupied as Ainsworth School; cause, unknown; loss, \$7,511; insurance, \$9,700.

Friday, 10th, 11:40 p. m. Still.

231 First. Two-story frame, owned by J. A. Develin, occupied by H. J. White as a store; cause, electric light wires; loss, \$20; no insurance.

Monday, 13th, 10:30 p. m. Box 13.

122 Third. Two-story frame, owned by Henry Failing, occupied by J. M. Squires as a shoe factory; cause, overheated stove; loss, \$515; insurance, \$1,075.

Sunday, 19th, 9:15 p. m. Box 15.

13 First. One-story frame, owned by O'Shea Bros., occupied by S. L. Brown and others as a store, etc.; cause, incendiary; loss, \$2,789.70; insurance, \$5,875.

Monday, 27th, 6:55 p. m. Box 6.

S. E. cor. First and Jefferson. Three-story frame, owned by Geo. H. Chance, occupied by G. W. Bell as barber shop; cause, lamp explosion; loss \$30; insurance, \$1,500.

MARCH.

Wednesday, 1st, 10:20 p. m. Box 49.

Twenty-sixth and Marshall. One and a half-story log, owned by S. Goldsmith, unoccupied; cause, tramps; loss, \$100; no insurance.

Thursday, 2d, 9:15 p. m. Box 237.

Holladay Avenue. Three and a half-story frame, owned by P. Schulderman, occupied by P. Ryan as a hotel; cause, burning flue; no loss.

Friday, 3d, 3:30 p. m. Box 217.

Fifteenth and East Morrison. One-story frame, owned by United Brethern Church, occupied by I. G. Knott as a residence; cause, sparks from chimney; loss, \$20; insurance, \$20.

Friday, 3d, 6:30 p. m. Still.

Seventh and East Market. Barn owned by J. Painter and occupied by him as a barn; cause, incendiary; no loss.

Friday, 3d, 10 p. m. Box 12.

Front and Yamhill. Three-story brick, owned by Meade estate, occupied by Pesley & Hall as a hotel; cause, overheated range; loss, \$50; insurance, \$14,000.

Sunday, 5th, 9:15 p. m. Box 17.

305 Couch. One-story frame, owned by Mrs. M. J. Buston, occupied by Mrs. Cusby as a residence; cause, lamp explosion; loss, \$272.40; insurance, \$1,000.

Sunday, 5th, 9:35 p. m. Box 36.

False alarm.

Monday, 6th, 9 p. m. Still.

East Market and Sixth. Barn owned by J. Painter, occupied by him as a barn; cause, incendiary; no loss.

Tuesday, 7th, 7:15 p. m. Box 12.

164 Second. Three-story brick, owned by J. A. Strowbridge, occupied by L. B. Akin and others as a store, saloon, etc.; cause, overheated stove; loss, \$7,620.49; insurance, \$76,600.

Thursday, 9th, 4:40 p. m. Box 61.

Second and Couch. Two-story frame, owned by Mrs. Bills, occupied by James Curry as a saloon; cause, unknown; loss, \$467; insurance, \$2,000.

Thursday, 9th, 11:50 p. m. Still.

Twenty-sixth and Marshall. Frame barn, owned by S. Goldsmith; unoccupied; cause, incendiary; loss, \$25; no insurance.

Thursday, 9th, 12 m. Box 214.

First and East Washington. One-story frame, owned by W. T. Oberley, occupied by C. Grossmiller as a saloon; cause, unknown; loss, \$1,000; insurance, \$1,900.

Sunday, 12th, 2:50 p. m. Still.

Corner Page and Curry. One-story frame, owned by J. R. Ewing, occupied by H. P. Chatfield as a residence; cause, defective flue; loss, \$10; no insurance.

Tuesday, 14th, 2:30 p. m. Box 217.

Seventeenth and East Morrison. Two-story frame, owned by Chas. Bruce, occupied by W. C. Hurd as a residence; cause, unknown; loss, \$95; insurance, \$3,000.

Tuesday, 14th, 5:20 p. m. Telephone.

Foot of Oak street. One-story frame, owned by Cone & Nooning, and occupied by them as a blacksmith shop; loss, \$5; insurance, \$3,700.

Wednesday, 15th, 12 m. Box 52.

S. W. corner Third and Jefferson. One-story stable, owned by Mary Block, and occupied as a stable; cause, unknown; loss, \$50; no insurance.

Friday, 17th, 2:10 a. m. Box 45.

Fifth and Flanders. Two-story frame, owned by Mrs. Tracy, occupied by Thos. Shea as a saloon; cause, unknown; loss, \$1,095; insurance, \$1,500.

Friday, 17th, 2:10 a. m. Box 45.

No. 95 Fifth. Two-story frame, owned by C. J. Tracy, occupied by Mrs. Lynn as a saloon; cause, unknown; loss, \$2,011.99; insurance, \$3,700.

Friday, 17th, 2:10 a. m. Box 45.

No. 306 Flanders. One and a half-story frame, owned by M. Tracy, occupied by P. Franzy as a residence; cause, unknown; loss, \$377.95; insurance, \$1,100.

Saturday, 18th, 12 p. m. Box 26.

North Front and H. One-story frame, owned by Mrs. Eaton, and occupied as a woodshed; cause, incendiary; loss, \$50; no insurance.

Saturday, 18th, 7:15 a. m. Box 213.

Water and East Washington. Three-story frame, owned by W. S. Ladd, occupied as a factory; cause, burning shavings; no loss.

Sunday, 19th, 7:45 p. m. Box 32.

N. E. corner Fourteenth and Taylor. Two-story frame, owned by J. Bennett, and occupied by him as a residence; cause, burning flue; no loss.

Sunday, 19th, 6 a. m. Still.

Water and East Washington. Three-story frame, owned by W. S. Ladd, occupied as a factory; cause, burning shavings; no loss.

Monday, 20th, 8:20 p. m. Still.

331 First. Two-story frame, owned by Otto Schuman, and occupied by him as marble works; cause, lamp explosion; loss, \$15; no insurance.

Monday, 20th, 11:15 a. m. Box 215.

Ninth and East Market. Two-story frame, owned by J. B. Parker, occupied by J. H. Russell as a residence; cause, burning flue; no loss.

Monday, 20th, 10:30 p. m. Still.

East Pine between Fourth and Fifth. Two-story frame, owned by John Cully, occupied by

W. O. White as a residence; cause, defective flue; loss, \$50; insurance, \$1,200.

Tuesday, 21st, 10:45 p. m. Still.

Twelfth and Washington. Two-story frame, owned by City Real Estate Co., occupied by Mr. Weidman as a residence; cause, lamp explosion; loss, \$107.75; insurance, \$2,500.

Friday, 24th, 8:45 p. m. Box 216.

East Eleventh and Stephens. One and one-half story frame, owned by Mrs. R. Bruce and occupied by her as a residence; cause, lamp explosion; loss, \$600; no insurance.

Saturday, 25th, 12:13 a. m. Box 7.

S. W. corner Park and Columbia. One and one-half story frame, owned by C. H. Wright, occupied by H. Meyers as a residence; cause, incendiary; loss, \$1,250; insurance \$1,800.

Tuesday, 28th, 2:10 a. m. Box 53.

N. E. corner Eighth and Yamhill. Three-story frame, owned by J. W. Beatty, occupied by Mrs. Curley as a lodging house; cause, incendiary; loss, \$382; insurance, \$8,500.

Wednesday, 29th, 1:30 a. m. Box 21.

399½ Morrison. One and one-half story frame, owned by L. B. Stearns, occupied by N. Morey and others as a restaurant, shoe shop, etc.; cause, unknown; loss, \$25; no insurance.

Thursday, 30th, 3 a. m. Box 26.

Twentieth and Overton. One-story barn, owned and occupied by W. G. Wallis; cause, incendiary; loss, \$640; insurance, \$660.

APRIL.

Monday, 3rd, 3:45 a. m. Box 6.

53 North First. Two-story frame, owned by Sam'l. Simmonds, occupied by R. C. Case as a saloon and lodging-house; cause, incendiary; loss, \$796.80; insurance, \$6,000.

Monday, 3rd, 3:45 a. m. Box 6.

228 Davis. Two-story frame, owned by S. G. Reed, occupied by P. Malston as a residence; cause, incendiary; loss, \$500; insurance, \$85.

Wednesday, 5th, 4:45 p. m. Bell.

26th and East Pine. Two-story frame, owned by P. Christiasen, and occupied by him as a residence; cause, burning moulding in basement; no loss.

Friday, 7th, 8 a. m. Box 312.

Russell, between Delay and Goldsmith. Three-story brick, owned by J. J. Fisher, occupied by him as a drug store; cause, burning flue; no loss.

Sunday, 9th, 4:40 a. m. Box 45.

268 and 270 Glisan. Two-story frame, owned by P. C. Smith, occupied by Mrs. McCarthy as

a lodging-house; cause, incendiary; loss, \$636.40; insurance, \$3,000.

Sunday, 9th, 9:15 p. m. Box 17.

Fourth and Flanders. Two-story frame, owned by Cardwell & Moorhead, occupied by Mrs. Maher as a residence; cause, unknown; loss, \$740; insurance, \$1,500.

Monday, 10th, 7:50 p. m. Box 9.

False alarm.

Tuesday, 18th, 9:25 a. m. Box 214.

Water and East Clay. Two-story frame, owned by Mrs. H. K. Roe, occupied by Mrs. Roe and others as a residence; cause, defective flue; no loss.

Friday, 21st, 4:10 p. m.

False alarm.

Wednesday, 26th, 6:15 a. m. Box 6.

S. W. corner First and Clay. Two-story frame, owned by Thos. Cornell, occupied by M. Eysell as a drug store; cause, spontaneous combustion; \$1,782.50; insurance, \$11,000.

Sunday, 30th, 11:10 p. m. Box 236.

Multnomah, between First and Second. Two-story frame, owned by F. A. Bancroft, and occupied by him as a residence; cause, unknown; loss, \$225; insurance, \$8,000.

MAY.

Monday, 1st, 7:05 p. m. Telephone.

Fourth, between Flanders and Glisan. Shed, owned by Wolff & Zwicker, occupied by them as a dripping trough; cause, boiling tar; no loss.

Monday, 1st, 10:15 p. m. Box 17.

Seventh and Davis. Two-story frame, owned by H. W. Wallace, occupied by Wm. Hall and others as a lodging-house; cause, incendiary; no loss.

Tuesday, 2d, 10:45 a. m. Still.

Seventeenth and Couch. Two-story frame, owned by D. M. Dunne, occupied by him as a residence; cause, overheated range; no loss.

Thursday, 4th, 2:45 a. m. Box 318.

Caruthers, between Sixth and Seventh. One-story frame, owned by Mrs. A. Wendorf, occupied by O. A. Larsen as a residence; cause, defective flue; loss \$1,200, insurance \$700.

Thursday, 4th, 8:25 p. m. Box 9.

77 Park street. Two-story frame, owned by John Clark, occupied by Mrs. Sedwell as a residence; cause, burning flue; no loss.

Sunday, 7th, 7:05 p. m. Box 8.

False alarm.

Tuesday, 9th, 5:30 a. m. Box 214.

Corner Goldsmith and Albina Ave. Two-story frame, owned by Jos. Richardson, occu-

pied by Willamette Transfer Co. as a stable; cause, burning manure; no loss.

Thursday, 11th, 6:35 a. m. Box 52.

305 Jefferson. Two-story frame, owned by Jos. Richardson, occupied by C. E. Rosenthal as a residence; cause, explosion of coal oil stove; loss, \$75; no insurance.

Monday, 15th, 9 p. m. Box 16.

77 North Front. One-story frame, owned by A. Bancher, occupied by G. Gumbert as a store; cause, lamp explosion; loss, \$392.50; insurance, \$1,700.

Wednesday, 17th, 5:25 p. m. Box 16.

Third and Davis. One-story frame, owned by R. R. Thompson, occupied by Herman & Fisher as a saloon; cause, stump of a cigar; loss, \$18; insurance, \$1,400.

Saturday, 20th, 9:45 p. m. Box 51.

Second, between Salmon and Taylor. Two-story brick, owned by Frazier & Corbett, occupied by Posson & Co. as a store; cause, supposed incendiary; loss, \$9,511.60; insurance, \$16,650.

Sunday, 21st, 9:05 a. m. Box 12.

First and Yamhill. Two and three-story brick, owned by Mrs. Coy, occupied by E. Mayer & Co. as a store; cause, supposed incendiary; loss, \$10,832.95; insurance \$37,000.

Sunday, 21st, 9:05 a. m. Box 12.

First and Yamhill. Two-story brick, owned by D. W. Wakefield, occupied by Bay State Shoe Co. as a store; cause, supposed incendiary; loss, \$7.10; insurance, \$12,000.

Sunday, 21st, 9:05 a. m. Box 12.

First and Yamhill. Two-story brick, owned by Meade estate, occupied by G. Gump as a store; cause, supposed incendiary; loss, \$2,442; insurance, \$20,000.

Sunday, 21st; 9:40 a. m. Box 43.

489 Quimby. One and one-half-story frame, owned by D. Girard, occupied by Mrs. Ostrw as a residence; cause, lamp explosion; loss, \$875; insurance, \$800.

Sunday, 28th, 12:45 p. m. Box 213.

East Yamhill and Water. Two-story frame, owned by Ladd estate, occupied by the Ventilated Barrel Co. as a factory; cause, burning saw dust; no loss.

Sunday, 28th, 7 p. m. Box 63.

Tenth and Washington. Two-story frame, owned by Henry Griffin and occupied by him as a residence; cause, burning flue; no loss.

Tuesday, 30th, 8:45 a. m. Still.

First and Ash. Two-story brick, owned by Arthur & Co., occupied by them as a store; cause, leaking gas pipe; no loss.

JUNE.

Friday, 2d, 3:25 p. m. Box 22.

First and Morrison, Three-story frame, owned by S. D. Smith, occupied by C. A. Fuhr and others as a hotel, etc.; cause, explosion of a gasoline lamp; loss, \$2,345; insurance, \$4,100.

Sunday, 4th, 12:50 p. m. Still.

449 Hoyt. Two-story frame, owned by M. Gillett, occupied by Mrs. Cauken as a residence; cause, burning flue; no loss.

Sunday, 4th, 11:45 a. m. Box 43.

294 Thirteenth. Two-story frame, owned by Mrs. W. Moore and occupied by her as a residence; cause, defective flue; loss, \$248; insurance, \$1,000.

Tuesday, 6th, 4 p. m. Box 63.

129 Tenth. Two-story frame, owned by Ward Stevens estate, occupied by Mrs. Lewelling as a boarding-house; cause, defective flue; loss, \$1,073.94; insurance, \$3,600.

Thursday, 8th, 7:25 p. m. Box 45.

383 Glisan Two-story frame, owned by A. Berger, occupied by Mrs. Foss as a residence; cause, sparks from chimney; loss nominal.

Saturday, 10th, 1:30 a. m. Box 217.

Corner Thirteenth and East Oak. Two-story frame, owned by J. Banfield, and occupied by him as a residence; cause, from adjoining building; loss, \$102.50; insurance, \$1,000.

Monday, 12th, 12:45 p. m. Still.

486 Washington. One-story frame, owned by Jupitz & Saling, occupied by Mrs. Henges as a residence; cause, sparks from chimney; loss, \$5; insurance, \$400.

Wednesday, 14th, 1:15 a. m. Box 37.

79 Grant. Two and a half-story frame, owned by Perry Baker, not occupied; cause, incendiary; loss, \$600; insurance, \$600.

Wednesday, 14th, 10 p. m. Box 126.

212 Jefferson. Two-story frame, owned by Mrs. H. M. Patton, occupied by Mrs. Altman as a second-hand store; cause, unknown; loss, \$450; insurance, \$900.

Wednesday, 14th, 11 p. m. Still.

Monroe, between Kirby and Commercial. One-story frame, owned by Mrs. A. M. Lewis, and occupied by her as a residence; cause, lamp explosion; loss, \$744; insurance, \$1,000.

Wednesday, 14th, 7:30 p. m. Still.

N. W. corner Seventh and Morrison. Two-story frame, owned by Mrs. Reid, occupied by Mrs. S. Blumauer, as a residence; cause, overheated stovepipe; no loss.

Thursday, 15th, 9:30. Box 14.

64 Second. Three-story brick, owned by J. W. Cook, occupied by Chinese, as a restaurant;

cause, defective flue; loss, \$35; insurance, \$3,500.

Friday, 16th, 5:10 a. m. Still.

Corner Nineteenth and Vaughn. Three-story frame, owned by the Hand Manufacturing Co., and occupied by them as a planing mill; cause, overheated furnace; no loss.

Friday, 16th, 9 a. m. Still.

Nineteenth and Ellsworth. Two-story frame, owned by E. A. Synds, and occupied by him as a residence; cause, unknown; loss, \$1,233; insurance, \$2,500.

Monday, 19th, 9 p. m. Box 45.

Everett, between Seventh and Eighth. Three-story frame, owned by George L. Hibbard, unoccupied; cause, unknown; loss, \$54.30; insurance, \$1,600.

Tuesday, 20th, 2:10 p. m. Box 49.

730 Kearney. Two-story frame, owned by John Hoffman, occupied by Mr. Rondorf as a residence; cause, defective flue; loss, \$25; insurance, \$1,000.

Wednesday, 21st, 9:40 p. m. Still.

641 Marshall. One-story frame, owned by Chas. Gibbart, occupied by him as a residence; cause, unknown; loss, \$100; insurance, \$500.

Thursday, 22d, 9:10 p. m. Telephone.

Corner Seventh and Morrison. Two-story frame, owned by Emma Wingard, occupied by

Miss Fanshaw as a residence; cause, lighted cigarette; loss, \$138.50; insurance, \$21,500.

Monday, 26th, 3:40 p. m. Still.

232 Burnside. Two-story frame, owned by John O'Shea, occupied by F. Fadoo as a restaurant; cause, overheated coal oil stove; no loss.

Monday, 26th, 11:10 p. m. Box 49.

Lovejoy, between Twenty-fourth and Twenty-fifth. One and a half-story frame, owned by Goldsmith Bros., unoccupied; cause, incendiary; no loss.

Monday, 26th 11:10 p. m. Box 49.

Lovejoy and Halsey. Two-story frame, owned by L. B. Cox, occupied by him as a residence; cause, adjoining building; loss, \$50; insurance, \$3,000.

Monday, 26th, 10:45 p. m. Box 237.

Margarett. One and a half-story frame, owned by P. Sharkey, occupied by him as a boat house; cause, unknown; loss, \$600; insurance, \$400.

Monday, 26th, 10:45 p. m. Box 237.

Margarett. Two-story frame, owned by F. B. McMillan, unoccupied; cause, from adjoining building; loss, \$400; no insurance.

Monday, 26th, 10:45 p. m. Box 237.

Margarett. Two-story frame, owned by E. McLaughlin, occupied by him as a sash and

door factory; cause, from adjoining building; loss, \$2,500; insurance, \$5,000.

Monday, 26th, 10:45 p. m. Box 237.

Margarett street. One-story frame, owned by Miller, Smith & Co., and occupied by them as a spice mill; cause, from adjoining building; loss, \$200; no insurance.

Thursday, 27th, 3 a. m. Box 4.

364 Baker. Two-story frame, owned by Henry Webber, occupied by Joseph Cone as a residence; cause, supposed incendiary; loss, \$843.73; insurance, \$1,800.

Wednesday, 28th, 12:30 p. m. Box 216.

Williams avenue. One-story frame, owned by Henry Meyer and occupied by him as a saloon; cause, unknown; loss, \$450; insurance, \$1,900.

Thursday, 29th, 2 p. m. Box 224.

Arkley Green. One and one-half story frame, owned by P. Hoffman, occupied by him as a residence; cause, unknown, loss, \$1,300; insurance, \$800.

Friday, 30th, 8:20 a. m. Box 22.

False alarm.

Friday, 30th, 9:25 a. m. Still.

Corner Second and Pine. Three-story brick, owned by B. Verdier, occupied by Mrs. Jennie

Robb as a lodging house; cause, unknown; no loss.

Friday, 30th, 8:20 p. m. Box 14.

Third and Washington. Three-story frame, owned by Ladd estate, occupied by _____ as a restaurant; cause, unknown; no loss.

Friday, 30th, 10:20 p. m. Box 135.

336 Washington. Two-story frame, owned by Charles McGinn, and occupied by him and others as a bakery, store, etc.; cause, explosion gasoline stove; loss, \$2,454.75; insurance, \$9,300.

Friday, 30th, 10:20 p. m. Box 135.

335 Washington. Two-story frame, owned by B. H. Weinberg, occupied by him as a tailor shop; cause, from adjoining building; loss, \$1,227.50; insurance, \$1,300.

Friday, 30th, 5:20 p. m. Telephone.

North Pacific Mills. Saw-mill owned by the N. P. Mill Co.; cause, sparks from furnace; no loss.

Friday, 30th, 8:35 a. m. Box 13.

108 Third. Three-story brick and frame, owned by the Ladd estate, occupied by F. C. Barnes as a market; cause, burning flue; no loss.

Friday, 30th, 8:26 p. m. Still.

69 North Second. One-story frame, owned by D. M. Moore, and occupied by him as brass works; cause, overheated furnace; loss, \$25; insurance, \$1,000.

JULY.

Monday, 3d, 2:25 p. m. Box 63.

133 Tenth. Two-story frame, owned by E. Mayer, occupied by Mrs. Hodgkinson as a residence; cause, defective flue; loss, \$40; insurance, \$75.

Tuesday, 4th, 9:10 p. m. Box 29.

False alarm.

Tuesday, 4th, 5:50 a. m. Still.

Seventh and East Morrison. One-story frame, owned by W. E. Driscoll, occupied by Mrs. B. Hammond as a residence; cause, defective flue; loss, \$250; insurance, \$700.

Tuesday, 4th, 9 a. m. Box 2:30.

Corner Larrabee and Broadway. Two-story frame, owned by W. E. Spencer, and occupied by him as a residence; cause, firecrackers; loss, \$5; insurance, \$4,000.

Wednesday, 5th, 4 p. m. Still.

204 Third. Two-story frame, owned by Methodist church, occupied by Mrs. B. Mayo as a residence; cause, overheated stove; loss, \$185; insurance, \$2,300.

Wednesday, 5th, 3:15 a. m. Box 342.

Hancock street. Two-story frame, owned by O. W. Nelson, and occupied by him as a saloon; cause, unknown; loss, \$950; insurance, \$1,200.

Thursday, 6th, 3:15 p. m. Box 29.

False alarm.

Sunday, 9th, 9:55 p. m. Box 23.

77 Park. Two-story frame, owned by J. Clarke, occupied by Mrs. Sidwell as a residence; cause, unknown; loss, \$143.95; insurance, \$2,200.

Wednesday, 12th, 1:45 a. m. Box 54.

6½ Tenth. Two-story frame, owned by the Thompson estate, occupied by Miss T. Mitchell as a residence; cause, incendiary; loss, \$140; insurance, \$1,200.

Thursday, 13th, 12:45 a. m. Box 316.

Vancouver Avenue. Two-story frame, owned by Mrs. Nugent, and occupied by her as a resi-

dence; cause, unknown; loss, \$950; insurance, \$1,400.

Friday, 14th, 2:45 p. m. Still.

667 Washington. One and a half-story frame, owned by L. Stark, and occupied by him as a residence; cause, defective flue; loss, \$7.50; insurance, \$700.

Sunday, 16th, 1:20 a. m. Box 73.

Macadam road. One-story frame, owned by W. W. Spaulding, occupied by Nudot & Co. as a soap works; cause, incendiary; loss, \$3,401.29; insurance, \$4,000.

Monday, 17th, 2:20 a. m. Box 135.

95 Sixth. Two-story frame, owned by S. Wolf, occupied by Blanche Hamilton as a lodging-house; cause, not known; loss, \$6,104.50; insurance, \$7,300.

Tuesday, 18th, 3:30 p. m. 52.

287 Third. Two-story frame, owned by W. O. Allen, occupied by Adolph Ospeldt as a saloon; cause, sparks from flue; no loss.

Tuesday, 18th, 5:05 p. m. Box 81.

186 Porter. One-story frame, owned by H. B. Ranford, occupied by J. Amsdoff as a resi-

dence; cause, explosion gasoline stove; loss, \$422; insurance, \$650.

Tuesday, 18th, 12:15 p. m. Still.

Corner Third and East Burnside. Two-story frame, owned by Mr. Barber, occupied by Mrs. Harper as a residence; cause, sparks from flue; loss, \$5; no insurance.

Tuesday, 18th, 2:10 p. m. Box 213.

Corner Water and Belmont. Two-story frame, owned by the Ventilator Band Factory, occupied by them as a factory; cause, sparks from smokestack; no loss.

Tuesday 18th, 2:50 p. m. Box 213.

Corner East Washington and Water. Two-story frame, owned by Ladd estate, occupied by Standard Box Factory; no loss.

Friday, 21st, 7:50 a. m. Box 62.

Fourth, between G and H. Occupied by Union Meat Co.; cause, burning tar; no loss.

Saturday, 22d, 11:40 a. m. Still.

195 Sixth. Two and one-half-story frame, owned by J. C. Ainsworth, unoccupied; cause, spark from flue; loss, \$25; insurance, \$4,000.

Saturday, 22d, 10:55 a. m. Still.

Corner Third and Washington. Two and one-half story frame, owned by Ladd estate, occupied by Mrs. Watson as a residence; cause, sparks from flue; no loss.

Sunday, 23d, 1:55 p. m. Box 24.

166 North Fourteenth. One and one-half-story frame, owned by Wm. Frazier, occupied by C. Leich and others as a dwelling, cooper shop and grocery; cause, unknown; loss, \$329; insurance, \$3,962.

Sunday, 23d, 5:30 p. m. Still.

87½ Second. Three-story brick, owned by Chas. Bacon, occupied by Chinese as a lodging house; cause, burning flue; no loss.

Thursday, 27th, 1:45 a. m. Box 39.

Harrison and river front. Saw mill, owned by Smith Bros.; cause, supposed incendiary; loss, \$150; no insurance.

Friday, 28th, 2:05 a. m. Box 29.

Corner Twenty-Third and Washington. One-story frame, owned by C. Lewis, and occupied by him as a fruit stand; cause, unknown; loss, \$625; insurance, \$650.

Friday, 28th, 10:20 a. m. Box 235.

Davis, between Third and Fourth. Two-story frame, owned by Gilson, Haight & Turner, occupied by Adams & Rankin as a store and residence; loss, \$950; insurance, \$900.

Friday, 28th, 8:20 p. m. Still.

Corner Third and Flanders. Three-story brick, owned by Harsch & Lewis, occupied by them as a hotel; cause, unknown; no loss.

Saturday, 29th, 12:55 p. m. Box 216.

Division. Wheat field, owned by Ladd estate; cause, sparks from engine; loss, \$70; no insurance.

Saturday, 29th, 2:40 p. m. Still.

North Front and Pettigrove. Two-story frame, owned by the Cold Storage Co., and occupied by them as a cold storage; cause, defective furnace; no loss.

AUGUST.

Tuesday, 1st, 7:55 p. m. Box 251.

Union Avenue and Taggart. Two-story frame, owned by East Side Power Co., and occupied by them as a power house; cause, electric wires; loss, \$641.40; insurance, \$8,000.

Friday, 4th, 4:45 a. m. Box 15.

Front and Couch. Two and a half-story frame, owned by Spillin & Gattenbein, occupied by C. Brooks as a hotel; cause, defective flue; loss, \$47.95; insurance, \$1,000.

Friday, 4th, 1:50 p. m. Box 15.

7 South Front. One and a half-story frame, owned by Clossett & Devers, unoccupied; cause; sparks from chimney; no loss.

Saturday, 5th, 8:20 a. m. Still.

52 South Front. Two-story brick, owned by R. R. Thompson, occupied by E. S. Larsen & Co. as a commission house; cause, leaking gas meter; no loss.

Friday, 11th, 3:15 a. m. Box 124.

214 Harrison. One and a half-story frame, owned by R. Williams; occupied by Owen McCarron as a shoe shop; cause, incendiary; loss, \$330; insurance, \$300.

Friday, 11th, 1:35 p. m. Still.

Corner Twenty-Third and Flanders. Vacant lot, occupied by Mr. Noble; cause, burning rubbish; no loss.

Monday, 14th, 5:35 p. m. Telephone.

103 Eleventh. Two-story frame, owned by Mrs. J. Oppenheimer, occupied by J. W. Hahn as a residence; cause, burning flue; no loss.

Wednesday, 16th, 12:55 p. m. Box 126.

294 Second. Two-story frame, owned by Meade estate, occupied by Ed. Sheeny as a residence; cause, sparks from chimney; loss, \$5; insurance, \$2,500.

Wednesday, 16th, 11:20 p. m. Box 218.

Thirty-First and East Ankeny. One-story frame, owned by J. P. Jackson, and occupied by him as a residence; cause, unknown; loss, \$1,050; insurance, \$1,050.

Wednesday, 16th, 11:20 p. m. Box 218.

Thirty-First and East Ankeny. One-story frame, owned by Isaac Dantoff, and occupied by him as a residence; cause, from adjoining building; loss, \$1,225; insurance, \$1,225.

Wednesday, 16th, 11:20 p. m. Box 218.

Thirty-first and East Ankeny. One-story frame, owned by Ed. Kruger, occupied by him as a residence; cause, from adjoining building; loss, \$17; insurance, \$550.

Thursday, 17th, 1:45 a. m. Box 45.

S. E. corner Irving and Seventh. , Two-story frame, owned by Albert Obshul, occupied by him as a blacksmith shop; cause, unknown; no loss.

Saturday, 19th, 2:20 a. m. Box 74.

615 Hood. One-story frame, owned by E. B. Hill, occupied by I. Jacobs as a residence; cause, incendiary; loss, \$100; insurance, \$200.

Sunday, 20th, 8:25 p. m. Still.

32 North Third. One-story frame, owned by Jacobs Bros., occupied by I. Michell as a fruit stand; cause, incendiary; no loss.

Tuesday, 22d, 12:58 p. m. Box 12.

7 North Front. Three-story brick, owned by N. S. Kellogg, occupied by the Carlos Una Co. as a store; cause, unknown; loss, \$3,922; insurance, \$26,000.

Thursday, 24th, 7:30 a. m. Box 15.

Foot of Ankeny. Wharf, owned by Flanders estate, occupied by them as a wharf; cause, unknown; no loss.

Friday, 25th, 8:10 p. m. Box 124.

554 Front. One and one-half-story frame, owned by Mrs. Bristol, occupied by D. Gold-

stein as a residence; cause, unknown; loss, \$200; insurance, \$600.

Friday, 25th, 8:10 p. m. Box 124.

552 Front. One-story frame, owned by Mrs. Bristol, occupied by A. Brochus as a residence; cause, from adjoining building; loss, \$140.30; insurance, \$600.

Sunday, 27th, 3:25 p. m. Box 213.

East Washington and Water. Two-story frame, owned by Ladd estate, occupied by the Standard Box Factory; cause, unknown; no loss.

Monday, 28th, 5:25 p. m. Box 32.

274 Fourteenth. One-story frame, owned by J. S. Spencer, occupied by Mrs. Muir as a residence; cause, overheated stove; loss, \$299.50; insurance, \$1,300.

Monday, 28th, 12:30 p. m. Box 317.

Corner Harrison and Williams. Two-story frame, owned by Mrs. Moore, occupied by her as a saloon and residence; cause, incendiary; loss, \$2,500.

Monday, 28th, 7 p. m. Still.

47 Second. One-story brick, owned by You Coey, occupied by Chinese as a store; cause, lamp explosion; no loss.

Tuesday, 29th, 7:45 a. m. Box 46.

Front and Thurman. Lumber pile, owned by Weidler Mill Co.; cause, tramps; no loss.

Thursday, 31st, 5:05 p. m. Telephone.

Corner Front and Taylor. Wharf, owned by H. Holman, occupied by Rodgers & Storp as a feed store; cause, sparks from steamer; loss, \$13; insurance, \$15,000.

Thursday, 31st, 4:10 p. m. Box 16.

75 First. One-story frame, owned by A. Brusher, and occupied by H. Laska as a lodging house; cause, gasoline stove; no loss.

SEPTEMBER.

Friday, 1st, 11 a. m. Box 13.

Corner Second and Alder. Two-story brick, owned by Dew Yick Co., occupied by Chinese as a theater; cause, unknown; no loss.

Saturday, 2d, 9 p. m. Box 214.

Corner Water and Hawthorne. One-story frame, owned by John Connor, occupied by Columbia Brass Works; cause, sparks from retort; no loss.

Monday, 11th, 4:20 a. m. 234.

East Alder and Union avenue. Two-story brick, owned by Logan Bros., occupied by Geo. Armstrong as a paint and oil store; cause, spontaneous combustion; loss, \$500; insurance, \$2,500.

Monday, 11th, 8:15 p. m. Telephone.

191 Seventh. Two-story frame, owned by Mrs. Vantine, occupied by Mrs. Eagan as a residence; cause, lamp explosion; loss, \$369; insurance, \$3,450.

Thursday, 13th, 10:25 p. m. Box 234.

Seventh and East Morrison. One-story frame owned by H. E. Driscoll, occupied by H. S. Preline as a store; cause, unknown; loss, \$100; insurance, \$600.

Friday, 15th, 12:25 p. m. Box 39.

Corner Water and Harrison. One-story frame, owned by P. M. J. R. R. Co., occupied by them as a round-house; cause, sparks from locomotive; no loss.

Sunday, 17th 3:15 a. m. Box 32.

551 Jefferson. One-story frame, owned by Jas. Frainey, occupied by Jos Bodie as a saloon; cause, incendiary; loss, \$170; insurance, \$1,900.

Monday, 18th, 11:50 p. m. Box 142.

77 Third. One-story frame, owned by J. C. Carson, occupied by Frank Rivers as a saloon; cause, supposed incendiary; loss, \$1,265.75; insurance, \$2,500.

Monday, 18th, 11:50 p. m. Box 142.

75 Third. One-story frame, owned by J. C. Carson, occupied by T. R. Cohn as a second-hand clothing store; cause, from adjoining building; loss, \$400; insurance, \$400.

Monday, 18th, 11:50 p. m. Box 142.

73 Third. One story frame, owned by J. C. Carson, occupied by W. Pashley as a fruit stand; cause, from adjoining building; loss, \$72; insurance, \$1,500.

Thursday, 21st, 9 p. m. Box 48.

S. W. corner Twelfth and Lovejoy. Two-story brick, owned by M. W. Smith, occupied by Zan Bros. as a broom factory; cause, defective flue; loss, \$50; insurance, \$5,000.

OCTOBER.

Sunday, 1st, 9:45 p. m. Still.

268 Columbia. Two-story frame, owned by A. Demarline, occupied by Isaac Scheldt as a residence; cause, defective flue; no loss.

Saturday, 7th, 12:45 a. m. Box 15.

244 Burnside. Three-story brick, owned by Closset & McIntosh, occupied by Clossett & Devers as spice mills; cause, carelessness; loss, \$470; insurance, \$50,700.

Tuesday, 10th, 8:25 a. m. Box 137.

250 King. Two-story frame, owned by Wm. McMasters and occupied by him as a residence; cause, carelessness; no loss.

Thursday, 12th, 2:30 p. m. Still.

389 Fifth. Two-story frame, owned by M. O'Day, and occupied by same as a residence; cause, defective flue; loss, \$5; insurance, \$1,500.

Friday, 13th, 8:40 p. m. Still.

227½ Jefferson. Three-story brick, owned by Labbe Bros., occupied by them as a store; cause, ash pit; no loss.

Saturday, 14th, 8:45 a. m. Still.

N. W. corner Pine and First. Three-story brick, owned by Portland National Bank, occupied by German Remedy Co. as a hospital; cause, defective flue; no loss.

Sunday, 15th, 9:20 p. m. Still.

232 Yamhill. Three-story brick, owned by John Mann, occupied by E. M. Wolfen as a restaurant; cause, overheated range; no loss.

Monday, 16th, 9:35 p. m. Box 135.

S. W. corner Sixth and Washington. Three-story brick, owned by the Hibernian Society, occupied by Mrs. L. Gilbert as dressmaking parlors; cause, coal oil lamp; loss, \$150; no insurance.

Wednesday, 18th, 2:10 a. m. Box 69.

Bone Yard. One-story frame, owned by Oregon Ry. & Nav. Co., occupied by same as a blacksmith shop; cause, unknown; loss, \$1,400; no insurance.

Monday, 23d, 6:55 p. m. Box 213.

Corner Belmont and Water. Two-story frame, owned by the Ventilated Barrel Co., occupied by same as a factory; cause, sparks from smoke stack; no loss.

Monday, 23d, 10:50 p. m. Still.

293 Morrison. Two-story frame, owned by P. W. Severson, occupied by J. Sugist as a restaurant; cause, sparks from range; no loss.

Tuesday, 26th, 6:15 p. m. Telephone.

False alarm.

Saturday, 28th, 6:05 p. m. Telephone.

127 First. Three-story brick, owned by H. W. Corbett, occupied by Merchants National Bank as a bank; cause, spontaneous combustion; no loss.

Saturday, 28th, 10:30 p. m. Still.

Corner Ninth and Stephens. One-story frame, owned by S. Cone, occupied by same as a residence; cause, lamp explosion; loss, \$120; insurance, \$1,000.

Tuesday, 31st, 3:30 p. m. Box 219.

East Washington, between Ninth and Tenth. Two-story frame, owned by Chas. Tackmeyer, occupied by same as a residence; cause, burning flue; no loss.

Tuesday, 31st, 8:10 p. m. Telephone.

310 Sixth. Two-story frame, owned by A. Jones, occupied by S. C. Day as a residence; cause, defective flue; no loss.

NOVEMBER.

Wednesday, 1st, 12:45 a. m. Box 318.

Cor Sixth and Catharine. Play house, occupied as a playhouse; cause, incendiary; no loss.

Thursday, 2d, 5:40 p. m. Still.

East Mill, between Seventh and Eighth. One-story frame, owned by A. Rifleman, occupied by Mrs. Stoddard as a residence; cause, defective flue; loss, \$5; no insurance.

Sunday, 5th, 7 a. m. Box 29.

772 Washington. One-story frame, owned by Portland Consolidated Ry. Co. and occupied by them as a car house; cause, unknown; loss, \$33,641.09; insurance, \$40,000.

Monday, 6th, 1:15 p. m. Box 243.

East Morrison, between Eighteenth and Nineteenth. One-story frame, owned by J. M. Ovenhouser, occupied by same as a residence; cause, burning flue; no loss.

Tuesday, 7th, 3:35 p. m. Still.

Corner Sixth and Alder. Eight-story brick, owned by P. A. Marquam, occupied as a tailor shop; cause, electric wires; no loss.

Tuesday, 7th, 1:15 p. m. Telephone.

292 Twelfth. Two-story frame, owned by Prager Bros. and occupied by them as a residence; cause, defective flue; no loss.

Wednesday, 8th, 4 p. m. Telephone.

Sixth, between Caruthers and Division. One-story frame, owned by Clinton & McCoy, occupied by J. Jennings as a residence; cause, defective flue; loss, \$181.56; insurance, \$400.

Thursday, 9th, 7:05 a. m. Telephone.

Corner Third and Washington. Two-story frame, owned by Ladd estate, and occupied as a restaurant; cause, carelessness; no loss.

Thursday, 9th, 7 p. m. Still.

Corner Front and Pettigrove. One-story frame, owned by the Cold Storage Co., occupied by same as a cold storage; cause, overheated furnace; no loss.

Friday, 10th, 8:50 p. m. Still.

Foot of Washington. Two-story dock, owned by B. Kelly, occupied by Columbia River Paper Co. as a warehouse; cause, spontaneous combustion; no loss.

Friday, 10th, 9:40 p. m. Box 54.

250 Burnside. Two-story frame, owned by P. B. Sinnott, occupied by Soon Chung Co. as a tailor shop; cause, lamp explosion; loss, \$366.17; insurance, \$3,000.

Saturday, 11th, 11 a. m. Box 251.

Corner Seventh and East Market. One and one-half story frame, owned by Mrs. Sutherland, and occupied by her as a residence; cause, defective flue; loss, \$10; insurance, \$1,200.

Wednesday, 15th, 2:40 a. m. Box 243.

Corner Twenty-seventh and East Washington. One and one-half-story frame, owned by J. H. Turk, occupied by C. K. Barker as a residence; cause, unknown; loss, \$563; insurance, \$1,500.

Thursday, 16th, 2:45 p. m. Still.

161 North Twenty-third. Two and one-half-story frame, owned by Chas. Malarkey, and occupied by him as a residence; cause, defective flue; loss, \$27.50; insurance, \$9,000.

Friday, 17th, 10 a. m. Still.

Corner Second and East Morrison. Two-story frame, owned by C. M. Wiberg, occupied by Jackson & Co. as a livery stable; cause, sparks from flue; loss, \$5; insurance, \$4,000.

Saturday, 18th, 7:40 p. m. Box 24.

70 North Fourteenth. Two-story frame, owned by C. S. Taylor, occupied by same as a residence; cause, burning flue; no loss.

Wednesday, 22d, 2:20 a. m. Box 43.

N. W. corner Eleventh and Marshall. Two-story frame, owned by Mrs. M. E. Gilliard, occupied by J. E. Sparf as a hotel, cause defective flue, loss \$1,032.96, insurance \$2,000.

Wednesday, 22d, 7:45 p. m. Box 63.

86 South Tenth. Two-story frame, owned by L. Switzer, occupied by H. C. Kay as a residence, cause burning flue, no loss.

Tuesday, 28th, 3:55 a. m. Box 38.

N. W. corner Second and Clay. Three-story frame, owned by the Farmers' and Mechanics' Co., occupied by the Columbia Car Co. as car shops, cause unknown, loss \$213, insurance \$2,600.

Tuesday, 28th, 10 p. m. Still.

672 Washington. One-story frame, owned by Geo. Parsons, occupied by him as a residence, cause lamp explosion, no loss.

DECEMBER.

Sunday, 3d, 2:30 p. m. Still.

270 Taylor. One-story frame, owned by Jacob Blum, occupied by Wa Gin as a China house, cause lamp explosion, no loss.

Monday, 4th, 12:30 a. m. Box 51.

181 and 183 Third. One-story brick, owned by R. Arbuckle, occupied by H. Vericks as a restaurant, cause defective range, loss \$685.77, insurance \$1,400.

Monday, 4th, 12:30 a. m. Box 51.

181 and 183 Third. One-story frame, owned by Isadore Isaacs, occupied by him as a barber shop, cause from adjoining building, loss \$325, insurance \$400.

Monday, 4th, 2:30 a. m. Still.

185 Third. One-story frame, owned by Mr. Holbrook, occupied by M. Sengfelder as a paint shop, cause unknown, loss \$45, insurance \$1,050.

Monday, 4th, 11:50 a. m. Box 237.

Corner Halsey and Margin. One-story frame, owned by Miller, Smith & Co., occupied by them as a spice factory, cause unknown, loss \$179.60, insurance \$500.

Tuesday, 5th, 6:50 p. m. Still.

N. W. corner First and Alder. Three-story brick, owned by Mrs. A. J. Strowbridge, occupied by Tichnor & Co. as a store, cause burning flue, no loss.

Wednesday 6th, 9:20 p. m. Still.

211½ Second. Three-story brick, owned by Apperson & Dolph, occupied by Mrs. Woods as a lodging-house, cause unknown, loss \$322.-30, insurance \$15,500.

Sunday, 10th, 6:20 p. m. Box 39.

583 Hood. Three-story brick, owned by C. Caesar, occupied by Frank O'Neil as a grocery store, cause defective flue, no loss.

Monday, 11th, 4:35 p. m. Box 230.

Corner Union Ave. and Oregon. Two-story frame, owned by Mrs. Sloper, occupied by S. H. Griffith as a residence, cause overheated stove, no loss.

Sunday, 17th, 1:40 a. m. Box 42.

Corner Nicolai and Twenty-Second. One-story frame, owned by B. F. Egan, occupied by him as a saloon, cause incendiary, loss \$180, insurance \$1,000.

Tuesday, 19th, 5:25 p. m. Box 32.

363 Sixteenth. Three-story frame, owned by Mrs. A. Corbett, occupied by her as a residence, cause defective flue, no loss.

Thursday, 21st, 7:20 a. m. Box 61.

S. W. corner Front and Davis. Three-story brick, owned by J. C. Ainsworth, occupied by the Oregon Cracker Co. as a factory, cause burning flue, no loss.

Thursday, 21st, 11:30 a. m. Telephone.

251 Morrison. One-story brick, owned by L. Fleischner, occupied by the Edison Electric Co. as a store, cause burning flue, no loss.

Thursday, 21st, 10:02, p. m. Box 27.

201 Thirteenth. Two-story frame, owned by J. P. Hayes, occupied by Marie Davis as a residence, cause defective flue, loss \$189, insurance \$400.

Friday, 22d, 7:30 p. m. Still.

47 Burnside. One-story frame, owned by H. Weinhard, occupied by Kang Soon Sung as a cigar factory, cause defective flue, no loss.

Tuesday, 26th, 11:22 a. m. Box 32.

454 Clay. One-story frame, owned by Geo. L. Hibbard, occupied by him as a residence, cause burning flue, no loss.

Tuesday, 26th, 4:22 p. m. Box 43.

Corner Front and Pettigrove. One-story frame, owned by N. W. Cold Storage Co., oc-

cupied by same as a cold storage; cause, sparks from ferry boat, loss \$110, insurance \$15,200.

Wednesday, 27th. 11:20 a. m. Still.

209½ First. Two-story frame, owned by York, occupied by F. Caskis as a tailor shop, cause defective flue, loss \$46, insurance \$1,550.

Thursday, 28th, 4:42 p. m. Telephone.

327 Alder. Two-story frame, owned by Mrs. B. McCullough, occupied by T. T. Burkhart as a residence, cause defective flue, no loss.

Sunday 31st, 8:12 p. m. Box 42.

329 Glisan. Two-story frame, occupied by Geo. Marshall, occupied by A. E. Miller as a residence, cause sparks from chimney, loss \$162.75, insurance \$700.

EXPENDITURES ON ACCOUNT OF ALL COMPANIES DURING THE YEAR 1893.

FOR WHAT PURPOSE	Salaries	HOUSE AND LOT		APPARATUS		HORSES		
		Rep's, Fix-t'rs, Furn.	Cost	Repairs	Cost	Shoeing	Vet Surg.	
Engine Co. No. 1.	\$ 4,625 00	\$ 335 20	\$.....	\$ 87 83	\$ 450 00	\$ 73 00	\$ 8 00	
Engine Co. No. 2.	4,141 17	3,443 36	.....	418 52	400 00	61 00	7 00
Engine Co. No. 3.	4,800 00	57 37	.....	126 88	.....	66 50	.....
Engine Co. No. 4.	4,800 00	124 55	.....	84 78	250 00	55 50	.....
Engine Co. No. 5.	4,800 00	112 12	.....	106 33	.....	82 00	.....
Engine Co. No. 6.	4,800 00	150 79	.....	322 03	.....	91 50	4 00
Engine Co. No. 7.	4,800 00	84 02	.....	664 18	.....	91 00	21 50
Engine Co. No. 8.	4,800 00	65 90	.....	39 84	.....	75 25	23 50
Hook & Ladder Co. No. 1.	3,720 00	72 06	.....	215 50	.....	68 50	9 50
Hook & Ladder Co. No. 2.	3,720 00	431 01	.....	429 39	200 00	64 75	32 25
Hook & Ladder Co. No. 3.	3,712 05	110 48	.....	68 95	.....	43 00	14 00
Hook & Ladder Co. No. 4.	3,720 00	28 80	.....	56 25	.....	33 75	.....
Hook & Ladder Co. No. 5.	3,720 00	4 55	.....	6 30	400 00	41 00	2 50
Hose Co. No. 1.	3,240 00	435 97	.....	206 70	.....	53 00	5 00
Hose Co. No. 2.	3,240 00	466 75	.....	88 60	.....	45 12	11 25
Hose Co. No. 3.	3,240 00	44 75	.....	169 00	.....	38 50	20 50
Hose Co. No. 4.	3,240 00	63 85	.....	18 97	.....	84 59	.....
Chemical No. 1.	1,289 25	51 49	2,173 00	14 75	.....	16 00	25
Chemical No. 2.	1,268 50	29 52	2,173 00	12 20	.....	19 00	.....
Officers' Teams & Supply Shed	840 00	26 58	61 50	564 19	300 00	151 85	3 50	
Total.....	\$72,515 97	\$6,139 12	\$4,407 50	3,701 19	\$2,200 00	\$1,204 72	\$162 75	

EXPENDITURES ON ACCOUNT OF ALL COMPANIES DURING THE YEAR 1893—(CONTINUED).

FOR WHAT PURPOSE	Harness and Repairs	Horse Feed	Fuel	Lighting.	Small Stores	Telephone	Insurance	Incid-entals	Amounts
Engine Co. No. 1.....	\$115 05	* 382 80	* 206 64	263 31	\$ 51 15	* 30 00	* 65 50	115 90	6,813 86
Engine Co. No. 2.....	17 47	303 03	205 16	144 55	17 20	60 00	.....	127 55	9,376 01
Engine Co. No. 3.....	16 50	350 05	180 46	95 95	32 15	60 00	.....	85 25	5,870 71
Engine Co. No. 4.....	19 35	298 80	157 75	96 75	57 18	30 00	.....	6 50	5,981 16
Engine Co. No. 5.....	70 33	353 88	120 50	68 00	70 21	60 00	.....	4 70	5,848 27
Engine Co. No. 6.....	17 40	462 70	160 15	44 80	55 78	60 00	.....	69 60	6,238 75
Engine Co. No. 7.....	14 60	373 44	156 50	119 74	43 21	60 00	.....	9 50	6,437 69
Engine Co. No. 8.....	6 00	366 04	146 66	39 20	33 66	60 00	136 00	47 75	5,839 80
H. & L. Co. No. 1.....	17 55	357 83	25 63	42 66	51 87	30 00	32 50	152 00	4,795 60
H. & L. Co. No. 2.....	69 80	283 62	49 75	72 50	32 60	30 00	.....	53 00	5,468 67
H. & L. Co. No. 3.....	25 60	359 97	71 00	169 80	51 75	60 00	.....	72 55	4,759 15
H. & L. Co. No. 4.....	8 60	237 74	18 75	145 00	21 54	.....	.....	193 75	4,664 18
H. & L. Co. No. 5.....	7 75	191 51	18 75	34 40	32 67	.....	.....	.....	4,459 43
Hose Co. No. 1.....	16 45	213 73	45 50	47 80	33 73	60 00	.....	770 55	5,128 43
Hose Co. No. 2.....	48 35	364 49	53 00	67 70	38 60	60 00	.....	6 00	4,346 77
Hose Co. No. 3.....	6 25	202 34	25 50	39 25	23 68	60 00	77 00	.....	3,640 19
Hose Co. No. 4.....	12 85	191 74	20 25	31 20	23 83	.....	.....	.....	3,898 32
Chemical No. 1.....	122 05	138 38	6 25	3 20	15 75	.....	.....	67 85	3,817 27
Chemical No. 2.....	142 05	134 65	2 25	3 20	15 50	.....	.....	17 50	3,817 27
Officers' teams and sup- ply shed.....	205 75	539 30	54 00	14 95	132 96	.....	.....	642 21	3,536 79
Total.....	\$959 55	\$6,106 04	\$1,724 45	\$1,548 96	\$865 00	\$720 00	\$310 50	\$2,445 10	\$105,010 91

GENERAL EXPENDITURES, 1893.

Officers' salaries	\$ 8,965 25
Hose and repairing	4,913 06
Water	9,004 00
Hydrants and repairs	4,072 23
Cisterns and repairs	398 85
Office expense	304 40
Printing and advertising	412 64
Telephones	383 00
Incidentals	1,935 13

FIRE ALARM TELEGRAPH.

Salaries	\$ 3,000 00
Material and repairs	11,414 62
	<u>14,414 62</u>
Total	\$44,803 18

SUMMARY.

Company expenditures	\$105,010 91
Auxiliary Company expenditures	744 00
General expenditures	44,803 18
	<u>150,558 09</u>
Total expenditures for 1893	\$150,558 09

SALARIES OF OFFICERS AND MEN.

One Chief Engineer.....	\$ 2,400 00
One First Assistant Engineer	1,800 00
One Second Assistant Engineer	1,500 00
One Third Assistant Engineer.....	1,500 00
Eight Engineers of Steamers	9,600 00
Eight Drivers of Steamers	7,200 00
Eight Drivers of Hose Tenders to Steamers	6,720 00
Four Drivers of Hose Companies.....	3,600 00
Five Drivers of Hook and Ladder Trucks.	4,500 00
Eight Foremen of Engine Companies	2,880 00
Four Foremen of Hose Companies.....	3,360 00
Five Foremen of Hook and Ladder Trucks	4,200 00
Forty-eight Members at call of Engine Companies.....	11,520 00
Twenty-four Members at call of Hose Companies.....	5,760 00
Forty Members at call of Hook and Lad- der Companies	9,600 00
One Driver Supply Wagon.....	840 00
One Superintendent Fire Alarm.....	1,800 00
One Lineman of Fire Alarm.....	900 00
One Secretary	1,200 00
Pay Clerks of Seventeen Companies	1,020 00
One hundred and seventy-one Members...	\$81,900 00

FIRE HYDRANTS.

NORTH OF MORRISON STREET.

1. Front and Pettigrove, S W cor.	22. Fourth and Glisan, N W cor.
2. Front and Quimby, S W cor.	*23. Fifth and Washington, N E cor.
3. Front and Raleigh, S W cor.	*24. Fifth and Oak, N E cor.
4. Front and Savier, S W cor.	25. Fifth and Ankeny, S E cor.
5. Front and Thurman, S W cor.	26. Fifth and Couch, S E cor.
6. Second and Davis, S W cor.	27. Fifth and Hoyt, S E cor.
7. Second and Oak, N W cor.	*28. Fifth and Flanders, N E cor.
8. Third and Alder, N W cor.	29. Sixth and Alder, N E cor.
9. Third and Stark, S W cor.	30. Sixth and Stark, S W cor.
10. Third and Pine, S W cor.	*31. Sixth and Pine, S W cor.
11. Third and Ankeny, S W cor.	*32. Sixth and Couch, N W cor.
12. Third and Burnside, S W cor.	33. Sixth and Glisan, N W cor.
13. Third and Couch, S W cor.	*34. Seventh and Davis, S E cor.
14. Third and Davis, S W cor.	35. Seventh and Flanders, N W cor.
15. Third and Everett, S W cor.	36. Seventh and Hoyt, N W cor.
*16. Third and Oak, S E cor.	*37. East Park and Alder, N E cor.
17. Third and Flanders, S W cor.	38. West Park and Wash- ington, S W cor.
*18. Fourth and Washing- ton, N E cor.	39. Park and Burnside, S W cor.
*19. Fourth and Alder, S E cor.	40. Park and Davis, S W cor.
20. Fourth and Davis, S W cor.	41. Park and Glisan, N E cor.
*21. Fourth and Everett, N E cor.	*42. Tenth and Alder, S W cor.

* New Hydrants.

FIRE HYDRANTS—Continued.

NORTH OF MORRISON STREET.

- | | |
|--|---|
| *43. Tenth and Morrison,
N W cor. | 67. Sixteenth and Petty-
grove, N W cor. |
| *44. Tenth and Johnson, S
E cor. | 68. Sixteenth and Savier,
N W cor. |
| 45. Eleventh and Stark, S
E cor. | 69. Seventeenth and Flan-
ders, N W cor. |
| 46. Eleventh and Burnside,
N W cor. | 70. Seventeenth and Mar-
shall, N W cor. |
| 47. Eleventh and Everett,
S E cor. | 71. Seventeenth and Up-
sur, N W cor. |
| 48. Eleventh and Flanders,
N W cor. | 72. Seventeenth and Davis,
S W cor. |
| 49. Twelfth and Davis, S
E cor. | 73. Eighteenth and Everett
N W cor. |
| 50. Twelfth and Glisan, S
E cor. | 74. Eighteenth and Irving,
N W cor. |
| 51. Twelfth and Lovejoy,
S E cor. | 75. Eighteenth and Quim-
by, N E cor. |
| 52. Twelfth and Northrup,
S E cor. | 76. Eighteenth and Over-
ton, N E cor. |
| 53. Thirteenth and Alder,
S W cor. | 77. Eighteenth and Kear-
ney, N W cor. |
| 54. Thirteenth and Wash-
ington, N W cor. | 78. Eighteenth and Savier,
S E cor. |
| 55. Thirteenth and Flan-
ders, N E cor. | 79. Nineteenth and Burn-
side, S E cor. |
| 56. Thirteenth and Kear-
ney, N E cor. | 80. Nineteenth and Davis,
S E cor. |
| 57. Fourteenth and Davis,
S W cor. | 81. Nineteenth and Flan-
ders, S E cor. |
| 58. Fourteenth and John-
son, S W cor. | 82. Nineteenth and Hoyt,
S E cor. |
| 59. Fourteenth and Over-
ton, S W cor. | 83. Nineteenth and John-
son, S E cor. |
| 60. Fourteenth and Quim-
by, S W cor. | 84. Nineteenth and Irving,
S E cor. |
| 61. Fifteenth and Flan-
ders, S W cor. | 85. Nineteenth and North-
rup, S E cor. |
| 62. Fifteenth and Thur-
man, S W cor. | 86. Nineteenth and Ral-
eigh, S E cor. |
| 63. Sixteenth and Wash-
ington, S E cor. | 87. Nineteenth and Thur-
man, N W cor. |
| 64. Sixteenth and Hoyt, N
W cor. | 88. Nineteenth and Up-
sur, N E cor. |
| 65. Sixteenth and Kearney,
S W cor. | 89. Nineteenth and Wilson
N E 100 ft. |
| 66. Sixteenth and North-
rup, S W cor. | 90. Twentieth and Wash-
ington, N E cor. |

* New Hydrants.

FIRE HYDRANTS—Continued.

NORTH OF MORRISON STREET.

- | | |
|--|---|
| 91. Twentieth and Everett,
S E cor. | 115. Twenty-third and Wash-
ington, N E cor. |
| 92. Twentieth and Irving,
S E cor. | 116. Twenty-third and Flan-
ders, S E cor. |
| 93. Twentieth and Kear-
ney, S E cor. | 117. Twenty-third and Gli-
son, S E cor. |
| 94. Twentieth and Quim-
by, N W cor. | 118. Twenty-third and Hoyt
S E cor. |
| 95. Twentieth and Thur-
man, N W cor. | 119. Twenty-third and John-
son, N E cor. |
| 96. Twenty-first and Hoyt,
S E cor. | 120. Twenty-third and Love-
joy, N E cor. |
| 97. Twenty-first and John-
son, S E cor. | 121. Twenty-third and
Northrup, N W cor. |
| 98. Twenty-first and Quim-
by, N E cor. | 122. Twenty-third and Quim-
by, N W cor. |
| 99. Twenty-first and Savier
N E Cor. | 123. Twenty-third and Sa-
vier, N W cor. |
| 100. Twenty-first and North-
rup, N W cor. | 124. Twenty-fourth and
Washington, N W cor. |
| 101. Twenty-first and Flan-
ders, S E cor. | 125. Twenty-fourth and
Flanders, N E cor. |
| 102. Twenty-second and
Washington, N E cor. | 126. Twenty-fourth and
Johnson, N E cor. |
| 103. Twenty-second and
Everett, S E cor. | *127. Twenty-fourth and
Kearney, S W cor. |
| 104. Twenty-second and
Glisan, S E cor. | *128. Twenty-fourth and
Lovejoy, N W cor. |
| 105. Twenty-second and Ir-
ving, S E cor. | 129. Twenty-fourth and
Northrup, N W cor. |
| 106. Twenty-second and
Lovejoy, S E cor. | 130. Twenty-fourth and
Pettygrove, N W cor. |
| 107. Twenty-second and
Northrup, S E cor. | 131. Twenty-fourth and Sa-
vier, N E cor. |
| 108. Twenty-second and Pet-
tygrove, S E cor. | 132. Twenty-fifth and Sa-
vier, N E cor. |
| 109. Twenty-second and Sa-
vier, S E cor. | 133. Twenty-sixth and Sa-
vier, N E cor. |
| 110. Twenty-second and
Thurman, S E cor. | 134. Twenty-seventh and
Savier, N E cor. |
| 111. Twenty-second and Up-
sur, N E cor. | 135. Twenty-seventh and
Thurman, N E cor. |
| 112. Twenty-second and
Wilson, N E cor. | 136. Twenty-ninth and Ra-
leigh, N W cor. |
| 113. Twenty-second and
York, N E cor. | 137. King and Wayne, S W
cor. |
| 114. Twenty-second and
Nicolai, N E cor. | 138. St. Clare and Wayne, S
W cor. |

* New Hydrants.

FIRE HYDRANTS.

SOUTH OF MORRISON STREET.

- | | |
|--------------------------------------|---|
| 1. Front and Lincoln, S
W cor. | 21. Third and Hooker, N
E cor. |
| 2. Front and Caruthers, S
W cor. | *22. Fourth and Salmon, N
E cor. |
| 3. Front and Porter, N
W cor. | 23. Fourth and Madison, S
E cor. |
| 4. Front and Gibbs, N E
cor. | 24. Fourth and Jefferson,
N W cor. |
| 5. Front and Curry, N E
cor. | 25. Fourth and Harrison,
N E cor. |
| 6. Front and Meade, S E
cor. | 26. Fourth and Lincoln, N
E cor. |
| 7. First and Grant, S E
cor. | *27. Fourth and Sheridan,
N E cor. |
| 8. First and Sheridan, S
E cor. | 28. Fifth and Salmon, S W
cor. |
| 9. First and Hooker, S E
cor. | 29. Fifth and Main, S E
cor. |
| 10. First and Woods, S E
cor. | 30. Fifth and Jefferson, S
E cor. |
| 11. First and Whittaker, S
E cor. | 31. Fifth and Columbia, S
W cor. |
| 12. First and Pennoyer, S
E cor. | 32. Fifth and Grant, S W
cor. |
| 13. Second and Porter, N
E cor. | *33. Sixth and Yamhill, S E
cor. |
| 14. Second and Lincoln, N
E cor. | 34. Sixth and Clay, N E
cor. |
| 15. Third and Yamhill, S
W cor. | 35. Sixth and Harrison, S
W cor. |
| 16. Third and Salmon, S W
cor. | 36. Sixth and Sherman, S
E cor. |
| 17. Third and Madison, S
W cor. | 37. Sixth and Sheridan, N
E cor. |
| 18. Third and Clay, N W
cor. | *38. Seventh and Morrison,
S W cor. |
| 19. Third and Market, S W
cor. | 39. Seventh and Market, S
E cor. |
| 20. Third and Sheridan, N
W cor. | 40. Seventh and Montgom-
ery, N E cor. |

* New Hydrants.

FIRE HYDRANTS—Continued.

SOUTH OF MORRISON STREET.

- | | |
|--|--|
| 41. Seventh and Jackson, S
E cor. | *65. Fifteenth and Colum-
bia, N W cor. |
| 42. Seventh and Lincoln,
N E cor. | *66. Fifteenth and Clay, N
W cor. |
| 43. Seventh and Grant, N
E cor. | *67. Fifteenth and Market,
N W cor. |
| *44. West Park and Morri-
son, N W cor. | 68. Sixteenth and Taylor,
S E cor. |
| *45. West Park and Yam-
hill, N E cor. | 69. Sixteenth and Mont-
gomery, N E cor. |
| 46. West Park and Salmon,
S W cor. | 70. Sixteenth and Eliza-
beth, N E cor. |
| 47. West Park and Jeffer-
son, N W cor. | 71. Seventeenth and Jeffer-
son, S E cor. |
| 48. West Park and Clay,
N W cor. | 72. Seventeenth and Clay,
N E cor. |
| 49. West Park and Mill, S
W cor. | 73. Twentieth and Spring,
N E cor. |
| 50. West Park and Harri-
son, S W cor. | 74. Twentieth and Laurel,
N W cor. |
| 51. West Park and College,
S W cor. | 75. Twentieth and Jackson
S W cor. |
| 52. Tenth and Salmon, N
W cor. | 76. Chapman and Morri-
son, S E cor. |
| 53. Tenth and Yamhill, S
W cor. | 77. Chapman and Taylor,
N E cor. |
| 54. Eleventh and Salmon,
N W cor. | 78. Chapman and Main, N
W cor. |
| 55. Twelfth and Jefferson,
N W cor. | 79. Chapman and Jefferson
N W cor. |
| 56. Thirteenth and Sal-
mon, N W cor. | 80. Chapman and Myrtle,
S E cor. |
| *57. Thirteenth and Colum-
bia, S W cor. | 81. Chapman and Eliza-
beth, S W cor. |
| 58. Thirteenth and Mont-
gomery, N W cor. | 82. Chapman and Mill, N
E cor. |
| *59. Fourteenth and Morri-
son, S W cor. | 83. Stout and Main, S W
cor. |
| 60. Fourteenth and Taylor,
N W cor. | 84. Stout and Jefferson, S
W cor. |
| *61. Fourteenth and Main,
S W cor. | 85. King and Park ave., N
E cor. |
| 62. Fourteenth and Jeffer-
son, S W cor. | 86. St. Clare and Park ave.
N E cor. |
| *63. Fourteenth and Clay,
N W cor. | 87. Ford and Main, N E
cor. |
| 64. Fifteenth and Mill, N
W cor. | 88. Macadam and Gaines,
W S cor. |

* New Hydrants.

FIRE HYDRANTS—Continued.

SOUTH OF MORRISON STREET.

89. Macadam and Lane, W S cor.	108. Corbett and Abernathy.
90. Macadam and Abernathy, S W cor.	109. Corbett and Harringt'n
91. Macadam and Thomas, E S.	110. Corbett and Lowell ave.
92. Macadam and Laurel ave.	111. Hood and Hall, N E cor.
93. Macadam and Bancroft	112. Hood and Lincoln, N W cor.
94. Macadam and Hamilton ave.	113. Hood and Caruthers, S W cor.
95. Macadam and Seymore.	114. Hood and Mead, S W cor
96. Macadam and Texas.	115. Hood and Grover, S E cor.
97. Macadam road.	116. Hood and Whittaker, S E cor.
98. Macadam road.	117. Hood and Pennoyer, S E cor.
99. Macadam road.	118. Water and Columbia, S W cor.
100. Macadam road.	119. Water and Clay, S W cor.
101. Macadam road.	120. Water and Mill, N E cor
102. Macadam road.	121. Water and Montgomery, N E cor.
103. Macadam road.	122. Water and Harrison, N E cor.
104. Corbett and Porter, N W cor.	123. Water and Grover, S W cor.
105. Corbett and Gibbs, S E cor.	124. Water and Hooker, S W cor.
106. Corbett and Curry, S E cor.	
107. Corbett and Gaines, S E cor.	

HYDRANTS OF ELEVATOR CO.

1. Front and Market.	27. Front and Northrup.
2. Front and Clay.	28. First and Market.
3. Front and Columbia.	29. First and Clay.
4. Front and Jefferson.	30. First and Montgomery.
5. Front and Madison.	31. First and Jefferson.
6. Front and Main.	32. First and Madison.
7. Front and Salmon.	33. First and Main.
8. Front and Taylor.	34. First and Salmon.
9. Front and Yamhill.	35. First and Taylor.
10. Front and Morrison.	36. First and Yamhill.
11. Front and Alder.	38. First and Morrison.
12. Front and Washington.	39. First and Alder.
13. Front and Stark.	40. First and Washington.
14. Front and Oak.	41. First and Stark.
15. Front and Pine.	42. First and Oak.
16. Front and Ash.	43. First and Pine.
17. Front and Ankeny.	44. First and Ash.
18. Front and Burnside.	45. First and Ankeny.
19. Front and Couch.	46. First and Burnside.
20. Front and Davis.	47. First and Couch.
21. Front and Everett.	48. First and Davis.
22. Front and Hoyt.	49. First and Flanders.
23. Front and Irving.	50. First and Glisan.
24. Front and Kearney.	51. Third and Oak.
25. Front and Lovejoy.	52. Fourth and Couch.
26. Front and Marshall.	

FIRE HYDRANTS.

EASTERN DISTRICT.

1. Water and East Clay, S E cor.
2. Water and Hawthorn ave., S W cor.
3. First and East Clay, S E cor.
4. First and East Morrison, N W cor.
5. First and East Washington, S W cor.
6. First and East Oak, S E cor.
7. Third and East Mill, N E cor.
8. Union ave. and Ivon, N E cor.
9. Union ave. and Caruthers, S W cor.
10. Paulson mill and yards.
11. Paulson mill and yards.
12. Union ave. and East Clay, S E cor.
13. Union ave. and East Morrison, N E cor.
14. Union ave. and East Alder, N E cor.
15. Union ave. and East Washington, S E cor.
16. Union ave. and East Oak, S E cor.
17. Union ave. and East Pine, N E cor.
18. Union ave. and East Ankeny, N E cor.
19. Union ave. and East Couch, S E cor.
20. Union ave. and East Davis, N E cor.
21. Union ave. and East Glisan, N E cor.
22. Union ave. and East Oregon, N E cor.
23. Union ave. and Holladay ave., N E cor.
24. Union ave. and Multnomah, S E cor.
25. Union ave. and Weidler, S E cor.
26. Fifth and Taggart, N E cor.
27. Fifth and East Lincoln S E cor.
28. Fifth and Stephens, S E cor.
29. Fifth and East Clay, N E cor.
30. Fifth and East Salmon, S E cor.
31. Fifth and East Yamhill, S E cor.
32. Fifth and East Morrison, S E cor.
33. Fifth and East Washington, S E cor.
34. Fifth and Broadway, S W cor.
35. Sixth and Belmont, S W cor.
36. Sixth and East Oak, N E cor.
37. Sixth and East Pine, S W cor.
38. Sixth and East Ankeny, S E cor.
39. Seventh and East Grant S E cor.
40. Seventh and East Harrison, S E cor.
41. Seventh and East Mill, N E cor.

FIRE HYDRANTS—Continued.

EASTERN DISTRICT.

42. Seventh and East Clay, S E cor.
43. Seventh and East Morrison, S W cor.
44. Seventh and Multnomah, S W cor.
45. Eighth and Brooklyn, N W cor.
46. Eighth and East Sherman, N E cor.
47. Eighth and East Lincoln, S E cor.
48. Eighth and Stephens, S W cor.
49. Eighth and East Morrison, S W cor.
50. Eighth and Broadway, S W cor.
51. Ninth and East Sherman, S W cor.
52. Ninth and East Clay, S W cor.
53. Ninth and East Belmont, S W cor.
54. Ninth and East Washington, S W cor.
55. Ninth and East Davis, S W cor.
56. Ninth and Holladay ave., S E cor.
57. Ninth and Multnomah, S W cor.
58. Tenth and Caruthers, S W cor.
59. Tenth and East Market S E cor.
60. Tenth and East Oak, S W cor.
61. Tenth and East Ankeny, S E cor.
62. Milwaukee and Frederick, S W cor.
63. Milwaukee and Powell, N E cor.
64. Eleventh and East Sherman, S E cor.
65. Eleventh and East Lincoln, S E cor.
66. Eleventh and Stephens, S E cor.
67. Eleventh and East Clay S E cor.
68. Twelfth and East Belmont, S W cor.
69. Twelfth and East Morrison, S E cor.
70. Twelfth and East Washington, S W cor.
71. Twelfth and East Oak, S E cor.
72. Twelfth and East Pine, S E cor.
73. Twelfth and East Ankeny, S E cor.
74. Twelfth and East Couch, S E cor.
75. Twelfth and East Davis S E cor.
76. Twelfth and Broadway S W cor.
77. Thirteenth and Powell, S W cor.
78. Fourteenth and Rhein, S E cor.
79. Fourteenth and Belmont, S W cor.
80. Fourteenth and East Pine, S W cor.
81. Fifteenth and Clinton, S E cor.
82. Fifteenth and Broadway, S W cor.
83. Sixteenth and East Main, S E cor.
84. Sixteenth and East Morrison, S W cor.
85. Sixteenth and East Ankeny, S E cor.
86. Sixteenth and East Davis, S E cor.
87. Eighteenth and Powell, N W cor.
88. Eighteenth and Clinton, S W cor.
89. Nineteenth and East Stark, N E cor.

FIRE HYDRANTS—Continued.

EASTERN DISTRICT.

- | | |
|---|--|
| 90. Nineteenth and East Oregon, S E cor. | *103. Thirtieth and East Ankeny, S W cor. |
| 91. Twentieth and East Morrison, N W cor. | *104. Thirty-first and East Taylor, N E cor. |
| 92. Twentieth and East Irving, S W cor. | *105. Thirty-first and East Pine, N E cor. |
| 93. Twenty-first and East Bush, N E cor. | 106. Thirty-second and East Belmont, N E cor. |
| 94. Twenty-first and East Powell, S E cor. | *107. Thirty-third and East Morrison, N E cor. |
| 95. Twenty-first and Brooklyn, S E cor. | 108. Thirty-fourth and East Alder, N W cor. |
| 96. Twenty-first and Broadway, S E cor. | *109. Thirty-fourth and East Belmont, S W cor. |
| 97. Twenty-second and East Stark, S E cor. | *110. Thirty-fourth and East Stark, S E cor. |
| 98. Twenty-second and East Ankeny, S E cor. | *111. Thirty-fourth and East Taylor, S E cor. |
| 99. Twenty-six and East Stark, S E cor. | *112. Thirty-fourth and East Main, S E cor. |
| *100. Twenty-six and East Ankeny, S W cor. | *113. Thirty-fifth and East Madison, N E cor. |
| 101. Twenty-eighth and Broadway, S W cor. | 114. Thirty-fifth and East Taylor, N W cor. |
| 102. Thirtieth and East Stark, S E cor. | 115. Thirty-sixth and East Main, N E cor. |

* New Hydrants.

CITY HYDRANTS—Continued.

NORTH OF HOLLADAY AVENUE.

- | | |
|---|--|
| 1. Larrabee and Holladay ave, S E cor. | 21. Mississippi and Skidmore, N E cor. |
| 2. Larrabee and Halsey, S E cor. | 22. Mitchell and Russell, S W cor. |
| 3. Larrabee and Dixon, S E cor. | 23. Mitchell and Sellwood, S W cor. |
| 4. Benton and Clackamas, S E cor. | 24. Borthwick and Page, S W cor. |
| 5. Ross and Cherry, N E cor. | 25. Borthwick and Knott, N W cor. |
| 6. Ross and Dixon, S W cor. | 26. Starr and Russell, S W cor. |
| 7. Wheeler and Clackamas, S W cor. | *27. Montana and Beach, S E cor. |
| 8. Second and Multnomah, S E cor. | 28. Commercial and Morris, N W cor. |
| 9. Second and Halsey, N E cor. | 29. Gautenbein and Russell, S E cor. |
| 10. Williams ave and Cherry, S E cor. | 30. Vancouver and Russell, S E cor. |
| 11. Railroad and Randolph, S W cor. | 31. Williams ave and Hancock, N W cor. |
| 12. Railroad and Russell, N E cor. | 32. Williams ave and Catharine, S W cor. |
| 13. Goldsmith and Randolph, N E cor. | 33. Williams ave and Page, N W cor. |
| 14. Goldsmith and Mitchell, N W cor. | 34. Williams ave and Russell, S W cor. |
| 15. Delay and Russell, N E cor. | 35. Williams ave and Sellwood, S W cor. |
| 16. Mississippi and Russell, N E cor. | 36. Williams ave and Free-
mont, N W cor. |
| 17. Mississippi and Stanton, S E cor. | 37. Williams ave and Mason, S W cor. |
| 18. Mississippi and Free-
mont, S E cor. | 38. Rodney ave and Russell, S E cor. |
| 19. Mississippi and Beach, S E cor. | 39. Union ave and Cather-
ine, S W cor. |
| 20. Mississippi and Shaver, N E cor. | 40. Union ave and Sacra-
mento, S W cor. |

* New Hydrants.

CITY HYDRANTS—Continued.

NORTH OF HOLLADAY AVENUE.

41. Union ave and Russell, S W cor.	*45. Ainsworth and Eighth, S E cor.
42. Union ave and Stanton, S W cor.	*46. Pearl and Union ave, N W cor.
*43. Ainsworth ave and Union ave, S W cor.	*47. Killingsworth and Union ave, N W cor.
*44. Jarrett and Union ave, N W cor.	*48. Williams ave and High- land, S W cor.

* New Hydrants.

CISTERNS.

LOCATION AND CAPACITY.

COMMENCING ON EACH STREET, SOUTH END OF CITY.

Location.	Capacity, Gals.	Location.	Capacity, Gals.
Front and Harrison	20,000	Fifth and Washington	15,000
*Front and Columbia	20,000	Fifth and Oak	15,000
*Front and Madison	20,000	Fifth and Everett	20,000
First and Meade	20,000	Fifth and Glisan	20,000
First and Mill	15,000	Sixth and College	20,000
First and Jefferson	15,000	Sixth and Mill	20,000
First and Salmon	20,000	Sixth and Main	18,000
First and Taylor	20,000	Sixth and Davis	20,000
First and Morrison	20,000	Seventh and Harrison	15,000
First and Alder	20,000	Seventh and Jefferson	20,000
First and Washington	20,000	Seventh and Salmon	15,000
First and Stark	23,000	Seventh and Morrison	8,000
First and Oak	20,000	Seventh and Wash.	15,000
*First and Ash	20,000	Seventh and Oak	15,000
*First and Burnside	15,000	Seventh and Burnside	16,000
Second and Caruthers	20,000	East Park and Everett	20,000
Second and Hall	20,000	Eighth and Hall	20,000
Second and Main	15,000	Eighth and Clay	20,000
Second and Alder	20,000	Eighth and Everett	17,000
Second and Stark	20,000	Ninth and Jefferson	20,000
Second and Pine	25,000	Ninth and Salmon	20,000
Second and Couch	20,000	Ninth and Morrison	20,000
Second and Everett	20,000	Ninth and Couch	15,000
Third and Grant	20,000	Ninth and Glisan	20,000
Third and Montgomery	12,000	Tenth and Washington	15,000
Third and Jefferson	15,000	Eleventh and Madison	20,000
Third and Taylor	20,000	Eleventh and Burnside	20,000
Third and Morrison	20,000	Twelfth and Market	20,000
Third and Washington	15,000	Thirteenth and Glisan	20,000
Fourth and Clay	20,000	Thirteenth and Marshall	20,000
Fourth and Stark	20,000	Fifteenth and Davis	20,000
Fourth and Burnside	11,000	Nineteenth and Glisan	20,000
Fifth and Caruthers	20,000	Twentieth and Burnside	20,000
Fifth and Taylor	15,000	Pacific and Yamhill	20,000
Fifth and Morrison	20,000	Lowndale and Morrison	15,000

* Will not hold water.

CISTERNS.

EASTERN DISTRICT.

Location.	Capacity, Gals.	Location.	Capacity, Gals.
Fifth and E. Clay	25,000	Loring and Harding	20,000
Fifth and E. Wash.	20,000	Mississippi and Golds'th	20,000
Union ave and Pine	20,000	Union ave and Freem't	20,000
Twelfth and E. Ankeny	25,000	Minn. ave and Beach	20,000
Fourteenth and E. Pine	25,000	Williams ave and Beach	20,000
Williams ave and Cherry			

GENERAL REPORT OF ENGINE COMPANY NO. 2.

LOCATION—West Side Second Street, bet. Oak and Pine.

NO. OF BADGE	NAMES	POSITIONS	AGE	OCCUPATION	RESIDENCE
14	L. Martin	Foreman	43	Sign Painter	532 Clay Street Engine House.
16	Wm. Collett	Driver Hose	35	Machinast	Engine House.
17	C. Stewart	Extraman	39	Laborer	Seventeenth and Montgomery
18	T. O. Day	Extraman	24	Moulder	Engine House.
19	O. Nelson	Extraman	37	Laborer	Engine House
20	H. C. Schellhaus	Extraman	30	Elect. Trimmer	Engine House.
21	H. Morgan	Extraman	28	Laborer	Engine House.
22	E. Lowrie	Extraman	23	Glazier	Engine House.

APPOINTMENTS—April 6th, H. White, from Truck No. 3, vice R. Cullins; April 15th, B. Lowe, extraman; May 1st, C. H. Kleine, acting foreman until further orders by chief; June 9th, J. O. Day, extraman; 6 p. m. July 4th, A. W. Schroder, extraman; July 4th, T. D. Campbell, extraman; July 5th, C. Stewart, extraman; Aug. 19th, L. Martin, foreman 6 p. m.; Aug. 19th, E. Lowrie, extraman, 6 p. m.; Aug. 19th, H. C. Schellhaus, extraman, 6 p. m.; Sept. 20th, O. Nelsan, extraman; Nov. 22d, A. Graham, extraman; Nov. 27th, H. Morgan, extraman.

TRANSFERS—April 6th, R. Cullins to Truck No. 3, 12 m.; April 15th, J. Brown, from assistant foreman to extraman; July 3d, Tom Springer to driver Chemical No. 1; July 3d, A. Graham to driver Engine No. 2; July 3d, R. Graham to Chemical No. 2; July 12th, J. O. Day to driver Engine No. 6; L. Martin from Truck No. 2 to Engine No. 2; H. Morgan from Engine No. 2 to Hose No. 2; Nov. 27th, A. Graham to driver Chemical No. 2.

RESIGNATIONS—April 15th, J. Morgan; May 1st, R. E. Chamberlin, off duty; June 9th, H. White, 6 p. m.; July 4, Jim Brown; Aug. 19th, C. H. Kleine, J. M. Campbell, T. D. Campbell; Sept. 20th, A. Schroder, 6 p. m. Nov. 22d, B. Lowe, 6 p. m.

Engine No. 2 was put out of service Sept. 1st.

Number of stills, 14; hours work, 8:30; total number of alarms, 73; total hours' work, 50 h. 15 m.

INVENTORY—1 reserved fourth-class Clapp & Jones engine, 1 16-foot suction hose 6-inch, 1 set double harness, 1 pair harness hangers, 1 Coleman heater good order, 2 Coffee horse releasers, 1 gong, 1 alarm register, 1 telephone, 1 running card, 2 extra horses, 12 vitrol jars, 1 2-wheel hose cart with 800 feet hose all in good order, 1 set hose cart harness, 1 cart horse, 1 bridle, 1 blanket, 1 lantern, 2 clamps, 1 cistern key, 1 torch, 1 Waldron shut-off nozzles, 1 1½ Callahan nozzle, 4 hose and four hydrant wrenches, 1 ax, 50 feet rope, 3 feed boxes, 2 water buckets, 1 4-tine fork, 1 dandruff brush, 1 horse brush, 1 curry-comb, 1 jackscrew, 1 quart castor oil, ½ box axle grease, 1 scoop shovel, 1 block and tackle with 50 feet rope, 1 house truck, 11 lengths of stovepipe, 2 elbows, 1 stove, 1 zinc for stove, 1 10-gallon coal oil can, 1 1-gallon coal oil can, 1 sprinkling can, 50 feet small hose for house, 7 iron bedsteads with springs, 1 bath tub, 2 marble washstands, 1 water closet, 1 urinal, 2 16-foot sliding poles, 1 clock, 4 towels, 4 spittoons, 2 center tables, 10 chairs, 9 small bedroom tables.

ANNUAL REPORT OF ENGINE COMPANY NO. 1.
LOCATION—East Side Fourth Street, between Morrison and Yamhill.

NO. OF BADGE	NAME	POSITION	AGE	OCCUPATION	RESIDENCE
3	W. Winter	Foreman	34	Upholster	229 Clay Street.
4	G. W. Reuter	Engineer	39	Engineer	Engine House.
5	G. E. Collins	Engine Driver	37	Teamster	Engine House.
6	M. L. Bussy	Hose Driver	36	Teamster	Engine House.
7	J. V. Yane	Assistant Foreman	26	Packer	Engine House.
8	L. L. Favro	Extraman	46	Contractor	Engine House.
9	W. E. Jacobs	Extraman	34	Coal Oil Dealer	Engine House.
10	H. E. Burt	Extraman	32	Teamster	Engine House.
11	J. O. Conner	Extraman	27	Elec. Light Trimmer	331 Ankeny Street.
13	R. Gately	Extraman	22	Plumber	Engine House.

Number of times responded to big bell, 125. Stills and telephone, 19. Number of hours' service, 62:30. Number of miles traveled, 82.

APPOINTMENTS—Richard Gately, April 16th; J. V. Yane, May 1st; H. E. Burt, May 2d; W. Winters, Dec. 7th. **RESIGNATIONS**—Jas. Carroll, May 2d; C. W. Thompson, Dec. 7th. **TRANSFERS**—M. Landenklos to Truck Co. No. 2, April 16th; A. E. Beckwith to Engine Co. No. 5, May 1st; J. V. Yane from Engine Co. No. 5, May 1st. **ACCIDENTS**—L. L. Favro, injured in one eye, May 3d; M. L. Bussy, injured by street car while driving to fire, Aug. 31st; W. E. Jacob injured by street car while going to fire, Aug. 31st; George E. Collins, injured by falling horse, Oct. 29th.

INVENTORY—1 second-class Clapp & Jones engine complete (4 years old), 1 hose wagon complete, 1650 feet hose, 3 horses, 2 blankets, 2 whips, 1 jack-screw, 1 gallon machine oil, 1 single-tree for engine, 1 crow-bar, 1 poker for engine, 1 cistern key, 1 gong on cart, 3 hose clamps, 3 hose straps, 3 spanners, 4 play pipes, 1 heater complete, 200 pounds coal, 18 chairs, 6 tables, 1 brush, 1 curry comb, 1 coal stove and pipe, 3 galvanized-iron buckets, 2 brooms, 1 scoop shovel, 1 galvanized-iron kettle for stove, 6 towels, 1 sprinkler, 1 pitchfork, 1 ax, 1 hatchet, 2 torches, 1 duster, 1 engine house fire alarm gong, 1 engine fire lighter, hanging harness for three horses, 1 Coffee marker, 3 unhitchers, 8 metallic spittoons, 3 hitching straps, 1 grain measure, 2 coal scuttles, 3 looking glasses, 8 iron bedsteads, 2 spring hangers, 1 set engine valves, 1 door mat, 1 pipe holder, 1 3-light chandelier, 1 mop, 1 dust pan and brush, 4 1-light chandeliers, 3 soap dishes, 1 clock, good, 2 2-light chandeliers, 1 floor brush, 3 galvanized-iron feed boxes, 1 towel roller.

ANNUAL REPORT OF ENGINE COMPANY NO. 3.

LOCATION—Southeast corner Sixteenth and Washington.

NO. OF BADGE	NAME.	POSITION.	AGE	OCCUPATION.	RESIDENCE.
23	L. Cone	Foreman	36	Moulder	Engine House.
24	Wm. Wascher	Engineer	59	Engineer	Engine House.
25	S. G. Weller	Engine Driver	27	Teamster	Engine House.
26	B. Woods	Hose Driver	30	Teamster	Engine House.
27	H. Lokey	Assistant Foreman	24	Plumber	Engine House.
28	P. Speis	Extraman	28	Teamster	Engine House.
29	G. W. Scott	Extraman	24	Moulder	Engine House.
30	M. Youngfordorf	Extraman	24	Teamster	Engine House.
31	J. Barry	Extraman	36	Long Shoreman	Holladay Addition.
32	C. Hoops	Extraman	34	Bricklayer	Bet. Yamhill and Taylor.

Number of times responded to big bell, 151. Stills and telephone, 11. Number of hours' service, 82.

APPOINTMENTS—A. G. Stephan, February 11th, 1893; M. Youngfordorf, February 11th, 1893; B. Woods, March 13th, 1893; J. Barry, April 10th, 1893; C. Hoops, July 31st, 1893. **RESIGNATIONS**—E. Chlopeck, July 31st, 1893; W. H. White, February 11th, 1893; J. Young, February 11th, 1893; C. R. Price, April 10th, 1893. **TRANSFERS**—A. G. Stephan to Truck Co. No. 1, March 13th, 1893.

INVENTORY.

1 fourth-class Silsby engine, 2 two-wheel hose carts, 800 feet hose, 3 horses, 1 set double harness, 1 single harness, 1 set extra lines, 2 Berry hangers for harness, 2 hose clamps, 3 spanners, 2 hose straps, 1 ax, 2 lanterns, 3 iron feed boxes, 3 horse blankets, 1 alarm, 1 Coffee indicator, 2 unhitchers, 3 spittoons, 1 jack screw, 50 feet garden hose, 6 chairs, 1 hydrant connection, 1 clock, 1 heater and connection, 1 cistern key, 6 iron beds.

ANNUAL REPORT OF ENGINE COMPANY NO. 4.

LOCATION—East Side of Fourth, between Mill and Montgomery—COMPANY ROLL.

NO. OF BADGE	NAME.	POSITION.	AGE	OCCUPATION.	RESIDENCE.
33	T. D. Richardson	Foreman	31	Boiler Maker	Engine House.
34	A. B. Gardner	Engineer	47	Engineer	Engine House.
35	J. Fields	Driver of Engine	38	Teamster	Engine House.
36	W. Keller	Driver of Hose	33	Butcher	Engine House.
37	J. Murphy	Clerk	24	Plumber	Engine House.
38	J. Ryan	Extraman	31	Trimmer	Engine House.
39	H. Stebbings	Extraman	24	Engineer	Engine House.
40	B. Webb	Extraman	31	Engineer	Engine House.
41	O. Harkins	Extraman	29	Surveyor	Engine House.
42	W. Stohlman	Extraman	34	Florist	Engine House.

Number of times responded to big bell, 155. Stills, 9. Number of hours service, 46½.

RESIGNATIONS—J. Cosgrove, C. Steward, H. Marshall, J. Flynn, D. Lash.

APPOINTMENTS—D. Gardner, H. Stebbins, O. Harkins, W. Stohlman, B. Webb, D. Lash, E. Simpson.

CLERK—J. Murphy.

CLERK TRANSFERS—P. Griffin, E. Simpson.

INVENTORY—1 second-class Amoskeag engine, 1 two-wheel hose cart, 400 feet of Maltese Cross hose, 400 feet of White Anchor hose, 3 horses, 1 set of double harness, 1 single harness, 3 blankets, 3 unhitching straps, 2 berry hangers, 1 heater and connections, 1 gong, 1 marker, 1 heater and bath tub, 1 stove, 10 iron beds, 2 door springs, 1 door opener, 1 broom, 1 dust pan and brush, 15 chairs, 6 tables, 6 window shades, 8 spittoons, 1 hay fork, 2 shovels, 1 axe, 1 sprinkling can, 1 curry comb, 1 brush, 1 dandruff brush, 2 sponges, 1 jackscrew, 50 feet garden hose, 1 stable broom, 3 hose straps, 2 hydrant keys, 2 hose clamps, 5½ tons Cannel coal, 5 spanners, 3 iron hay racks, 3 galvanized feed boxes, 1 vice, 2 scoop shovels, 15 sacks of house coal, 1 barrel of coke.

ANNUAL REPORT OF ENGINE COMPANY NO. 5.

LOCATION—West Side Front Street, between Gibbs and Whittaker.—COMPANY ROLL.

NO. OF BADGE	NAME	POSITION	AGE	OCCUPATION	RESIDENCE
79	A. C. Cooke	Foreman	31	Salesman	First and Grant.
80	P. Griffin	Engineer	41	Engineer	Engine House.
81	Geo. Murbarger	Engine Driver	26	Teamster	Engine House.
82	F. Winsor	Hose Driver	33	Teamster	Engine House.
83	B. F. Jones	Assistant Foreman	34	Druggist	Front and Gibbs.
84	L. N. Riley	Extraman	28	Stockman	Front and Gibbs.
85	A. Peterson	Extraman	22	Teamster	Engine House.
86	R. L. Kenny	Extraman	21	Japanner	Engine House.
87	R. J. Jones	Extraman	41	Carpet Cleaner	First and Whittaker.
88	A. E. Nisonger	Extraman	36	Planerman	391 Sixth.

Number times responded to big bell, 124. Hours' service, 38:45.

RESIGNATIONS—J. M. Terwilliger, assistant foreman, June 8th; Chas. Reynolds, extraman, July 1st.

APPOINTMENTS—B. F. Jones, assistant foreman, June 8th; Robert Kenny, extraman Aug. 19th. L. N. Riley, extraman, July 1st.

TRANSFERS—A. B. Gardner to engine 4, Feb. 1st; P. Griffin from engine 4 to 5, Feb. 1st; A. E. Beckwith from engine 1, May 1st; Jos. Yane to engine 1, May 1st.

DEATHS—A. E. Beckwith, died Aug. 13th.

INVENTORY—1 engine, built by the Manchester Fourth-Class Locomotive Works, in good condition; 1 hose wagon (new), 650 feet of hose in good order, 1 Coleman heater, 4 horses, 4 set of harness, 4 hangers for same, 1 18-inch gong, 1 Coffee marker, 1 clock. All in good order.

ANNUAL REPORT OF ENGINE COMPANY NO 6.

LOCATION—West Side of Twentieth Street, bet. Quimby and Raleigh.

NO. OF BADGE	MEMBERS	POSITIONS	AGE	OCCUPATION	RESIDENCE
89	W. A. Hart.....	Foreman.....	40	Surveyor.....	Twenty-fourth and Savier.
90	Con. O'Brien.....	Engineer.....	47	Engineer.....	Engine House.
91	Walter St. Clair.....	Engine Driver.....	25	Teamster.....	Engine House.
92	Wm. Edwards. ...	Hose Driver.....	32	Teamster.....	Engine House.
93	Wm. Slaughterback..	Assistant Foreman .	30	Porter.....	655 Quimby.
94	M. King.....	Extraman.....	22	Teamster.....	Engine House.
95	Harry Gurr.....	Extraman.....	40	Bricklayer.....	Engine House.
96	M. McNulty.....	Extraman.....	29	Laborer.....	Engine House.
97	D. Thomson.....	Extraman.....	26	Rigger.....	Engine House.
98	A. Clausen.....	Extraman.....	29	Painter.....	Engine House.

Number of alarms on big bell, 157. Number times responded to big bell, 24. Number still alarms responded to, 12. Number of hours in service, 19 h. 20 m.

APPOINTMENTS—Harry White, Jan. 15th; Walter St. Clair, Jan. 17th; Harry Gurr, March 24th; David Thomson, April 6th; Jack O'Day, July 11th; M. McNulty, Aug. 1st.

TRANSFERS—M. King from Truck Co. No. 3, Jan. 1st; W. Kennedy to Hose Co. No. 1, March 24th; Harry White to Engine Co. No. 2, April 6th; Wm. Edwards from Hose Co. No. 1, June 22d; Walter St. Clair to Hose Co. No. 2, July 11th; Jack O'Day to Hose Co. No. 1, August 5th; Walter St. Clair from Hose Co. No. 2, August 5th.

RESIGNATIONS—Sam Miller, January 1st; Ben King, January 1st; Fred Doublebower, January 17th; M. Barrett, June 21st; Fred Rievears, August 1st.

INVENTORY—1 third-class Clapp & Jones engine and heater complete, 1 hose wagon complete, 800 feet of hose in good condition, 150 feet in fair condition, 4 horses, 2 sets of double harness, 1 large feed box, 4 small feed boxes (galvanized iron), 1 fire alarm gong, 1 Coffee marker, 2 Coffee unhitchers, 1 scoop shovel, 2 cistern keys, 2 hose clamps, 2 hose straps, 1 sliding pole, 1 pitchfork, 1 stepladder, 2 spanners, 2 play pipes, 1 table, 16 chairs, 2 monkey wrenches, 1 door mat, 1 clock, 4 horse blankets, 1 jackscrew, 2 buckets (galvanized iron), 4 iron hay racks, 4 patent hangers for harness, 1 towel rack, 9 iron bedsteads, 1 soap dish, 1 bath tub, 1 hand truck, 1 ladder, 31 batteries, 1 rivet punch, 1 bench vice, 1 lamp trimmer, 1 dust pan and brush, 2 axes, 1 looking glass, 2 Rochester bracket lamps, 2 Rochester stand lamps, 2 spittoons, 1 1-gal. oil can, 1 ½-gal. oil can, 1 duster, 1 whip, 2 coal scuttles, 1 stove kettle, 1 curry comb and brush, 1 stable broom, 1 house broom, 25 feet garden hose, 1 quart lard oil, 1 quart cylinder oil, 1 quart castor oil.

ANNUAL REPORT OF ENGINE COMPANY NO. 7.

LOCATED—Corner East Third and East Pine streets.

NO. OF BADGE	NAME.	POSITION.	AGE	OCCUPATION.	RESIDENCE.
109	J. F. Resing	Foreman	30	Surveyor	Engine House.
110	H. Stutsman	Engineer	34	Engineer	Engine House.
111	Wm. Butterfield	Engine Driver	39	Teamster	Engine House.
112	J. H. Griffin	Hose Driver	22	Teamster	Engine House.
113	M. L. Flynn	Asst. Foreman	28	Painter	Engine House.
114	Robt. Howe	Extraman	22	Laborer	Engine House.
115	J. W. Warner	Extraman	26	Blacksmith Helper ..	Engine House.
116	S. D. Penny	Extraman	22	Barber	Engine House.
117	E. A. Scofield	Extraman	39	Laborer	Tenth and East Ash.
118	A. Turnbull	Extraman	22	Laborer	Engine House.

Alarms responded by this company—Bell, 35; still, 7; telephone, 4; total, 46. Hours in service, 37:20.

APPOINTMENTS—G. Smith, June 19th; Robt. Howe, Aug. 1st; J. H. Griffin, Feb. 12th.

RESIGNATIONS—Chas. Clark, Feb. 12th; J. L. Knott, June 19th.

ACCIDENTS—A. Lope; had collar bone fractured while on duty as substitute.

INVENTORY—1 fifth-class Silsby engine, 10 years old, in good condition; 1 two-horse hose wagon (new), 900 feet good rubber hose with pipes, 4 horses in good condition, 1 18-inch Gamewell gong, 1 municipal visual indicator, 4 horse blankets, 2 in poor condition; apparatus supplied with spanners, hose clamps, hose straps Siamese connections, hydrant keys, lanterns and Stutsman's patent door opener, etc. House supplied with all modern improvements.

ANNUAL REPORT OF ENGINE COMPANY NO. 8.

LOCATION—Borthwick Street, bet. Knott and Sellwood.

NO. OF BADGE	NAME	POSITION	AGE	OCCUPATION	RESIDENCE
119	E. S. Craig	Foreman	45	Carpenter	572 Bothwick Street.
120	Jas. Ryan	Engineer	48	Engineer	Engine House.
121	W. D. Heath	Engine Driver	26	Teamster	Engine House.
122	Peter Gorman	Hose Driver	23	Teamster	Engine House.
123	W. J. Curtin	Extraman	37	Car Inspector	170 Knott Street.
124	Mike McGloin	Extraman	33	Car Repairer	Engine House.
125	J. H. A. Fink	Extraman	28	Butcher	Engine House.
126	Fred Ruhnke	Extraman	23	Mill Man	Engine House.
127	E. H. Fitzgibbons ..	Extraman	25	Machinist	Corner Stanton and Mitchell.
128	E. S. Andrews	Extraman	32	Car Repairer	Engine House.

Number of times responded to fire whistle, 140; still, 4. Number of hours' service, 52:08.

RESIGNATIONS—H. Demain.

DISCHARGED—Ben. Dolan, J. S. Gleason.

APPOINTMENTS—Fred Ruhnke, E. H. Fitzgibbons, Peter Gorman.

INVENTORY—1 No. 4 Watrous engine, fully equipped and in good condition, 1 two-horse hose wagon in good condition, 4 horses; hose, Maltese Cross 750 feet, White Atlas 150 feet, White Anchor 50 feet, total 950 feet. House fully equipped and furnished.

ANNUAL REPORT OF CHEMICAL NO. 1.

LOCATION—West side First street, between Madison and Jefferson.

NO. OF BADGE	NAME	POSITION	AGE	OCCUPATION	RESIDENCE
150	W. S. Carns.....	Foreman	35	Machinist.....	Engine House.
151	T. Springer.....	Driver.....	35	Teamster.....	Engine House.
152	M. J. Driscoll.....	Pipeman.....	27	Moulder.....	Engine House.

APPOINTMENTS—W. S. Carns, July 3d, foreman Chemical No. 1; T. Springer, July 3d, driver Chemical No. 1; M. J. Driscoll, July 3d, pipeman Chemical No. 1.

TRANSFERS—T. Springer from Engine No. 2 to driver Chemical No. 1.

Number of stills, 10. Hours' work, 7. Total number of alarms, 34. Total number of hours' work, 22:40.

INVENTORY—1 Champion chemical engine, capacity 60 gallons; 200 feet chemical hose, all good order; 1 cap wrench, 1 14-inch monkey wrench, 4 soda sacks 25 lbs. each, 4 lanterns, 1 crowbar, 4 acid jars, 2 leather buckets, 1 16-inch gong, 150 feet rope, 2 12-foot ladders, 2 pike poles, 1 splash apron, 1 span horses, 1 set double harness, 1 pair harness hangers, 1 pair ceiling springs, 2 axes, 1 pair Coffee's horse releasers, 1 pair bridles, 1 pair horse blankets, 1 dandruff brush, 1 horse brush, 1 horse curry comb, 1 6-tine pitchfork, 1 scoop shovel, 1 barn and 1 house broom, 1 horse bucket, 1 sponge, 1 chamois skin, 1 mop handle, 1 feather duster, 3 iron bedsteads and springs, 1 running card, 1 extra $\frac{1}{2}$ -inch nozzle, 40 lbs. acid, 30 lbs. soda, 1 pint castor oil, $\frac{1}{2}$ can axle grease, 2 feed boxes.

ANNUAL REPORT OF CHEMICAL ENGINE NO. 2.

FROM JULY 3D TO DEC. 31ST, 1888.

LOCATION—West Side of First Street, between Madison and Jefferson.

NO. OF BADGE	NAME	POSITION	AGE	OCCUPATION	RESIDENCE
153	J. P. White.....	Foreman	28	Teamster.....	Engine House.
154	C. Evans.....	Pipeman.....	22	Painter.....	Engine House.
155	A. Graham.....	Driver.....	27	Carpenter.....	Engine House.

APPOINTMENTS—P. Manciet, July 3d; H. Donovan, July 10th; C. Evans, Oct. 31st; A. Graham, Nov. 28th, J. P. White, July 3d; R. Graham, July 3d.

TRANSFERS—P. Manciet, July 10th, to foreman of hose 2.

RESIGNATIONS—H. Donovan, Oct. 31st; R. Graham, Nov. 27th.

Number of times responded to big bell, 36; still, 4; telephone, 4.

Number of pounds of bi car. soda used, 384; gallons of sulphuric acid, 16; hours' service, 30; miles' traveled 36 $\frac{1}{2}$; gallons of chemicals used, 960; feet of ladder used, 264.

INVENTORY—1 double-tank, 60-gallon chemical engine; 2 horses, 1 set double harness, 2 horse blankets, 2 Berry hangers, 2 Berry ceiling springs, 4 brass tubular lanterns, 2 14-foot ladders to splice, 2 pike poles, 2 brass torches, 1 automatic hose reel, 250 feet 1-inch chemical hose, 4 1-gallon acid jars, 2 acid holders, 2 soda bags, 1 cop wrench, 1 crow bar, 1 monkey wrench, 1 tank wrench, 2 chemical hose spanners, 2 fire axes, 50 feet $\frac{1}{2}$ -inch rope, 100 feet $\frac{1}{2}$ -inch rope, 1 cushion seat, 2 chemical nozzles with tips assorted sizes, 1 stone pitcher, 1 Carboy holder, 65 feet 1-inch garden hose, 3 galvanized-iron water buckets, 1 sprinkling can, 1 hand truck, 1 small looking glass, 12 yards towing, 100 gallons coal oil, $\frac{1}{2}$ ton coal, $\frac{1}{2}$ cord wood, 50 feet $\frac{1}{2}$ -inch rope with blocks, $\frac{1}{2}$ gallon neat's foot oil, 2 rubber buckets, 1 14-foot gong, 2 galvanized-iron feed boxes, 2 hay racks, 2 Coffee un-hitchers, 2 unhitching straps, 1 Coffee indicator, 1 14-inch gong with striking apparatus, 1 door mat, 9 bedsteads, 5 wire springs, 1 6-inch extension gong for telephone, 1 table, 13 chairs, 8 spittoons, 1 coal stove, 6 joints of pipe, for same, 1 Acme water heater, 1 2 $\frac{1}{2}$ -inch sliding pole, 1 coal hod, 1 clock, 1 feather duster, 1 pitch fork, 1 stable broom, 1 house broom, 1 small can oxalid acid, 1 box Putz pomade polish, 1 Sampson screw jack, 2 sponges, 2 chamois, 1 gallon castor oil, 2 bars castile soap, 1 gallon oil can, 1 small oil can, 1 curry comb, 1 horse brush, 1 dandruff brush.

ANNUAL REPORT OF HOOK AND LADDER NO. 1.

LOCATION—East Side of Fourth street, bet. Morrison and Yamhill—COMPANY ROLL.

NO. OF BADGE	NAMES	POSITIONS	AGE	OCCUPATION	RESIDENCE
43	A. G. Stephan	Foreman	30	Map Mounter	Truck House.
44	A. Richardson	Driver	32	Teamster	Truck House.
48	S. Glandon	Extraman	28	Teamster	Truck House.
47	W. R. Maxfield	Extraman	30	Lineman	Truck House.
45	Z. Elliott	Extraman	28	Porter	Truck House.
49	A. G. McClane	Extraman	31	Lineman	Truck House.
52	S. Creighton	Extraman	30	Lineman	Truck House.
46	A. Wietz	Extraman	32	Butcher	Truck House.
50	W. Kerrigan	Extraman	29	Stone Mason	Truck House.
51	G. Brill	Extraman	32	Lineman	Truck House.

APPOINTMENTS—A. G. Stephan, vice D. Campbell, foreman Truck No 1; W. Kerrigan, appointed foreman of Truck 5; G. Brill, vice G. Thomas, extraman; W. Kerrigan, vice A. J. Shaw, extraman; S. Creighton, vice S. Goodman, extraman.

TRANSFERS—A. G. Stephan, vice B. Woods, from Engine 3 to Truck 1; W. Kerrigan to Truck 5, vice A. J. Shaw, from Engine 1 to Truck 1.

ACCIDENTS TO MEMBERS—A. Wietz fell from roof March 29th, 1893; S. Goodman cut his foot, April 9th, 1893; S. Glandon, severe sickness, May 6th, 1893; W. R. Maxfield, run over by horses in house, July 4th, 1893; A. Richardson, hurt at fire, September 11th, 1893.

Number of bell alarms, 152; alarms answered, 56; stills, 6; telephones, 17. No of hours worked, 75.

INVENTORY—1 first-class Hayes truck fully equipped, 1 stove, 11 lengths of stovepipe, 17 chairs, 5 tables, 8 spittoons, 1 flatiron ax, 2 coal scuttles, 1 iron kettle, 1 house broom, 2 stable brooms, 1 pitchfork, 1 scoop shovel, 3 horse blankets, 1 whip, 1 mop, 1 feather duster, 1 horse brush, 1 curry comb, 1 chamois skin, 2 sponges, 3 horses, 3 swinging harness, 19 gas jets, 1 keg bicarbonate soda, 1 carboy of acid, 5 gals. coal oil, 1 small oil can, 1 jack hydraulic, 3 looking glasses, 1 sliding pole, 8 iron bedsteads, 1 flag, 1 dust pan and brush, 1 floor duster, 1 window brush, 1 pint arnica, 1 ton coke, 1 box of gold dust washing powder, 1 harness punch, 1 rivet set, 1 heater and boiler, 1 small hand truck, 1 step ladder, 10 lbs. of chloride of lime, 6 towels, 1 bar of soap, 1 clothes horse, 2 water buckets.

ANNUAL REPORT OF TRUCK COMPANY NO. 2.

LOCATION—East Side of Fourth Street, bet. Mill and Montgomery—COMPANY ROLL.

NO. OF BADGE	NAME	POSITION	AGE	OCCUPATION	RESIDENCE
69	T. Grenfell	Foreman	35	Teamster	Truck House.
70	O. F. Hussey	Driver	38	Teamster	Truck House.
71	P. Wanklin	Extraman	29	Horseshoer	Truck House.
72	F. Jackson	Extraman	40	Blacksmith	Seventh and Clay.
73	W. H. Cosgrove	Extraman	27	Carpenter	Second and Columbia.
74	C. Braden	Extraman	32	Contractor	497 Columbia.
75	W. A. Graoe	Extraman	24	Car Repairer	275 Montgomery.
76	J. Fraser	Extraman	24	Gardener	Truck House.
77	H. Johnson	Extraman	27	Teamster	Fourth and Oak.
78	W. Ransdell	Extraman	23	Blacksmith	Truck House.

Bell alarms responded to, 44; total bell alarms, 153; telephone and stills, 8. No. of hours in service, 43:40. APPOINTMENTS—G. Rutherford, W. L. Witing, J. Fraser, C. Braden, F. Jackson, H. Johnson, W. A. Graoe.

RESIGNATIONS—C. Cooper, W. McMahon, H. C. Schelans, W. L. Witing, F. H. Wanklin, G. Rutherford. TRANSFERS—M. Landenklos from Engine No. 1 to Truck 2; O. F. Hussey from Horse No. 1 to Truck 2; T. Grenfell from driver to foreman Truck 2.

INVENTORY—1 second-class Hayes truck fully equipped, 3 horses, 3 swinging harness, 3 horse blankets, 3 halter straps, 1 iron feed measure, 1 stove, 6 lengths of pipe, 1 coal scuttle, 1 coal shovel, 6 tables, 18 chairs, 6 spittoons, 2 water brooms, 1 corn broom, 1 house broom, 2 stable brooms, 1 curry comb, 1 pitchfork, 1 mop, 1 dandruff brush, 1 horse brush, 1 scoop shovel, 1 floor brush, 1 dust pan and brush, 1 duster, 1 nigger head, 1 sprinkler, 1 wire mat, 1 oil can, 6 lanterns, 6 charges Babcock, 50 feet 3-inch rubber hose with pipe, 6 window shades, 2 iron beds, 2 sacks of coal, 1 small hand truck, 20 feet strapping for Babcocks, 1 sliding pole, 1 looking glass, 2 gals. of coal oil, 2 sponges, 10 gas jets, 1 axe, 1 whip, 1 pint arnica.

ANNUAL REPORT OF HOOK AND LADDER COMPANY NO. 3.

LOCATION--North Side of Glisan street, between 14th and 15th.

NAMES	POSITION	AGE	OCCUPATION	RESIDENCE
T. Mountain.....	Foreman	39	Teamster	Truckhouse.
J. J. Robinson	Driver	45	Teamster	Truckhouse.
A. Keagon	Extraman	43	Lawyer	Fifteenth, bet. Hoyt & Glisan.
Wm. McMahon	Extraman	33	Capitalist	304 Third Street.
R. Cullins	Extraman	30	Electrician	Tenth, bet. Everett & Flanders
A. Walsh	Extraman	43	Stevedore	Fourteenth and Glisan Streets
H. McClincy	Extraman	24	Brickmason	Truckhouse.
Jno. McFarland	Extraman	29	Stevedore	Truckhouse.
L. Rosky	Extraman	28	Teamster	Truckhouse.
P. W. Tagget	Extraman	45	Carpenter	Fifteenth, bet. Glisan & Hoyt.

APPOINTMENTS--A. Keagon, Jan. 1st; L. Rosky, Jan. 13th; J. J. Robinson, Mar. 18th, Wm. McMahon, Mar. 13th; Jas. Carroll, Oct. 27th; P. W. Tagget, Dec. 7th.

RESIGNATIONS--J. Chenowith, Jan. 13th; J. McCormack, Mar. 13th; Fred May, Mar. 18th; Frank Winn, April 15th; Jas. Carroll, Dec. 7th; Chas. Hallett, Oct. 27th.

TRANSFERS--M. King to Engine Co. No. 6, Jan. 1st; T. Mountain from driver to foreman, Jan. 1st; F. May from foreman to driver; R. Cullins from Engine Co. No. 2, April 6th.

INVENTORY--1 3d-class Hayes' truck fully equipped, 1 double set of harness, 2 horse blankets, 1 whip, 1 saddle, 4 hitching straps, 1 manure fork, 2 shovels, 1 curry comb, 2 brushes, 2 house brooms, 1 stable broom, 12 office chairs, 1 round table, 1 square table, 7 bedsteads, 1 mirror, 6 rubber cuspidors, 1 house ax, 8 towels, 1 coal stove, 1 dust brush, 1 pan and brush, 250 feet of rope, 1 block and tackle, 50 feet garden hose, 2 unhitchers, 3 unhitching straps, 1 Gamewell gong, 2 water buckets, 1 water sprinkler, 3 metal feed boxes, 1 feed measure, 1 hand truck, 1 wagon jack, 10 gas jets, 3 hay hooks, 2 horses, 1 harness punch, 1 marker, 1 hay fork.

Number of alarms from big bell, 149. Number of alarms responded to, 42. Telephone, 3. Stills, 12. Hours in service, 71.

ANNUAL REPORT OF TRUCK COMPANY NO. 4.

LOCATION--East Third and East Pine--COMPANY ROLL.

NO. OF BADGE	NAME	POSITION	AGE	OCCUPATION	RESIDENCE
145	C. F. Neale	Foreman	27	Carriagesmith	Truck House.
146	S. Stafford	Driver	56	Teamster	Truck House.
147	P. Foline	Extraman	29	Shoemaker	Truck House.
148	F. Keenan	Extraman	31	Carpenter	Truck House.
149	G. Bailey	Extraman	27	Surveyor	Truck House.
150	W. Siefarth	Extraman	31	Carriage Washer	Truck House.
151	M. D. George	Extraman	33	Horse-shoer	Corner Third and East Couch.
152	W. O. White	Extraman	43	Carpenter	Corner Third and East Couch.
153	W. Smith	Extraman	24	Cabinet Maker	Truck House.
154	D. Penny	Extraman	23	Barber	Truck House.

Total bell alarms, 142. Bell alarms responded to, 31; telephone, 4; still, 10. Number hours in service, 55.

INVENTORY--1 third-class Hayes truck, fully equipped; 1 double set of harness, 1 sliding pole.

ANNUAL REPORT OF TRUCK COMPANY NO. 5.

LOCATION--Borthwick, between Knott and Sellwood Streets--COMPANY ROLL.

NO. OF BADGE	NAME	POSITION	AGE	OCCUPATION	RESIDENCE
155	Jos. Willms	Foreman	40	Carpenter	Truck House.
156	L. P. Brown	Driver	38	Teamster	Truck House.
157	H. Schade	Extraman	22	Plumber	Catherine and Union Avenue.
158	D. M. Lloyd	Extraman	34	Blacksmith	Knott and Bothwick Streets.
159	T. Langford	Extraman	42	Carpenter	Truck House.
160	J. B. Schrantz	Extraman	39	Bartender	Truck House.
161	J. C. Thomas	Extraman	22	Blacksmith	Truck House.
162	N. R. Donlon	Extraman	22	Machinist	Rodney Avenue and Russell.
163	J. J. Kearns	Extraman	32	Shoemaker	144 Stanton Street.
164	J. A. Moon	Extraman	32	Car Repairer	Truck House.

Alarms responded to, 19. Number of hours' service, 46:50. Actual fire service, 14 hours.

APPOINTMENTS--J. J. Kearns, extraman, June 12th.

RESIGNATIONS--Wm. Glover, extraman, June 12th.

INVENTORY--Third-class truck, built by Hayes & Co. in 1891; extension ladder, 55 feet; 7 ladders, ranging from 12 to 26 feet; 6 Babcocks, and all the necessary compliment of axes, hooks, etc. Apparatus and equipment in first-class condition; also horses, harness and all other stable and house equipments.

ANNUAL REPORT OF HOSE COMPANY NO. 2.

LOCATION--273 First Street, between Jefferson and Madison Streets--COMPANY ROLL.

NO. OF BADGE	NAME	POSITION	AGE	OCCUPATION	RESIDENCE
61	P. Manciet	Foreman	29	Tinsmith	Hose House.
62	J. W. Smith	Driver	34	Teamster	Hose House.
63	C. B. Judge	Extraman	23	Plumber	Hose House.
64	T. Parkinson	Extraman	23	Laborer	Hose House.
65	J. F. McCollough	Extraman	27	Lineman	Hose House.
66	J. Simpson	Extraman	27	Trimmer	548 First Street.
67	W. F. Cordray	Extraman	33	Engineer	247 1/2 First Street.
68	E. Eller	Extraman	25	Engineer	Hose House.

Bell alarms responded to, 71; still, 4; telephone, 2; total bell alarms, 152. Number of hours in service, 68:20. Number feet of hose laid, 11,625. Number of miles traveled, 75.

APPOINTMENTS--A. J. Lawrence, E. Eller, W. Kerrigan, J. Clark, W. F. Cordray, T. Parkinson, C. B. Judge, J. M. McCullough.

TRANSFERS--G. Gayhard, J. P. White, J. Galvin, P. Manciet, C. Evans, W. St. Clair, W. Kerrigan, W. J. Smith, W. Winters.

RESIGNATIONS--J. W. Scott, J. Clark, W. Kerrigan.

INVENTORY--1 4-wheeled hose wagon, manufactured by M. P. Mfg. Co.; 2 horses, 1 set double harness, 2 Berry hangers, 2 Berry ceiling springs, 300 feet White Anchor hose in good condition, 500 feet Maltese Cross hose in good condition, 2 tubular lanterns, 2 fire axes, 1 crowbar, 1 brass pipe, one flexible pipe with Waldron shut-off nozzle, 1 hose clamp, 3 hose straps, 4 hose spanners, 1 monkey wrench, 50 feet 1/2-inch rope, 1 cap wrench, 1 nut wrench, 3 galvanized-iron feed boxes, 2 Coffee unhitchers, 3 unhitching strays, 3 hay racks, 1 stable broom, 1 pitch fork, 2 horse blankets.

ANNUAL REPORT OF HOSE COMPANY NO. 1.

LOCATION—North Side of Everett Street, between Second and Third.

NAME	POSITION	AGE	OCCUPATION	RESIDENCE
Ed. Simpson	Foreman	46	Painter	Hose House.
J. L. O'Day	Driver	22	Butcher	Hose House.
Wm. Gleason	Extramán	23	Laborer	Hose House.
Ed. Leonard	Extramán	22	Butcher	Hose House.
A. Wilson	Extramán	26	Laborer	Hose House.
J. Chynoweth	Extramán	40	Laborer	Hose House.
J. Holland	Extramán	40	Dairyman	Hose House.
J. Coates	Extramán	55	Engineer	Hose House.

Total number of alarms, 160. Total number of stills, 19.

APPOINTMENTS—Wm. Kennedy, Mar. 21st; Oliver Hussey, April 30th; Wm. Gleason, May 21st; Jno. Oldendorff, May 11th; J. Holland, May 11th; Wm. Edwards, June 11th; Jas. Chynoweth, June 9th; Ed. Leonard, June 11th; J. Hamilton, June 27th; Al. Wilson, July 12th; Wm. Smith, July 20th; J. Galvin, Aug. 3d; Harry Morgan, Aug. 4th; Jno. O'Day, Aug. 5th; Ed. Simpson, Sept. 21st; B. L. Clark, Oct. 1st; Joe Coates, Nov. 1st.

RESIGNED—B. Rosenthal, May 20th; Wm. Kennedy, April 1st; Jno. Higgins, June 9th; J. Quigley, June 9th; J. Hamilton, June 9th; J. Hamilton, July 12th; J. Oldendorff, July 20th; J. Kearney, Aug. 4th; Joe Galvin, Aug. 5th; J. D. King, Oct. 1st; B. L. Clark, Nov. 30th; H. Morgan, Sept. 21st.

TRANSFERS—J. P. White, Hose Co. No. 2, Mar. 21st; Oliver Hussey, Truck Co. No. 2, May 11th; Wm. Edwards, Engine Co. No. 6, June 22d; Wm. Smith, Hose Co. No. 2, Aug. 3d.

INVENTORY—1 four-wheeled hose carriage, has been painted and repaired, and is in good condition; 650 feet White Anchor hose, 250 feet Maltese Cross hose, all in good condition; 2 horses in good condition, 1 in poor condition; 1 set double harness in poor condition, collars in good condition; 1 stable broom, 1 house broom, 1 table, 8 chairs, 1 curry comb, 1 dandruff brush, 1 stable shove, 3 buckets, 2 horse blankets, 1 coal stove, 1 monkey wrench, 2 hose spanners, 2 slide lanterns, 1 gate Fork, 1 ax, 1 crowbar, 1 pitch fork, 2 sponges, 2 service pipes, 2 hose clamps, 1 sprinkler, 1 jack screw, 1 Gamewell alarm gong and apparatus, 8 iron bedsteads, 1 coal scuttle, 2 cuspidors, 1 block and tackle, 4 straps, 1 feather duster, 4 barrels, 50 feet 1-inch hose in bad condition. House in fair condition, needs painting, papering, bath tub and heater, and the roof is leaking, and another electric light is needed badly.

ANNUAL REPORT OF HOSE COMPANY NO. 3.

LOCATION—East Seventh, between East Harrison and Stephens.

NO. OF BADGE	NAME	POSITION	AGE	OCCUPATION	RESIDENCE
129	L. G. Holden	Foreman	28	Carpenter	Hose House.
130	Ed Oliver	Driver	27	Mill Hand	Hose House.
131	A. M. Donaldson	Extraman	39	Carpenter	Eighth and Stephens.
133	D. S. Painter	Extraman	29	Chair Maker	Seventh and E. Market.
134	L. J. Gardner	Extraman	28	Light Trimmer	371 East Seventh.
135	John Lloyd	Extraman	33	Carpenter	Hose House.
136	H. M. Burt	Extraman	30	Expressman	Hose House.
137	Dave Ervin	Extraman	32	Laborer	Seventh and Stephens.

No. alarms responded to, 42; No. hours' service, 43:10.

APPOINTMENTS—Dave Ervin, Aug. 1.

RESIGNATIONS—J. R. Myers, Aug. 1.

ACCIDENTS—Ed. Oliver, driver, leg broken, June 9th.

INVENTORY—2 horses, 1 set double harness, 1 pair harness hangers, 1 hose carriage, 850 feet hose, 2 Babcocks, 1 bo charges for Babcocks, 5 iron bedsteads, 12 chairs, 3 tables, 6 lamps, 3 lanterns, and all other household and stable tools and appliances in good condition.

ANNUAL REPORT OF HOSE COMPANY NO. 4.

LOCATION—Vancouver Avenue, between Beach and Failing Streets—COMPANY ROLL.

NO. OF BADGE	NAME	POSITION	AGE	OCCUPATION	RESIDENCE
137	Peter L. G. Wiser	Foreman	39	Carpenter	961 Hendricks Avenue.
138	Chas. Haberland	Driver	23	Teamster	902 Michigan Avenue.
139	E. W. Miller	Extraman	28	Bricklayer	
140	Chas. E. Potter	Extraman	35	Printer	Mallory Avenue.
141	H. Guttscheck	Extraman	43	Longshoreman	Going Street.
142	Peter L. Koehler	Extraman	32	Boiler helper	965 Hendricks Avenue.
143	E. R. Botsford	Extraman	33	Printer	295 Failing Street.
144	Jos. Moore	Extraman	39	Stone cutter	837 Williams Ave.

Number of times responded from bell, 12. Stills, 3. Number of hours' service, 18:50.

APPOINTMENTS—John T. Moore, July 3d; John Keegan, July 4th; Jos. Moore, Dec. 1st; E. R. Botsford, Dec. 1st.

RESIGNATIONS—E. R. Botsford, July 3d; John T. Moore, Dec. 1st.

REMOVED—Wm. Smith, July 4th; John Keegan, Nov. 30th.

INVENTORY—1 hose wagon, complete; 900 feet hose.

REPORT OF
KEEPER OF CORPORATION YARD.

LOCATION:

West Side Twentieth, bet. Quimby and Raleigh.

DAVID CAMPBELL, *First Assistant Engineer,*
Keeper of Corporation Yard.

INVENTORY.

1 second-class Silsby engine, 2 third-class Silsby engines (worthless), 1 fourth-class Clapp & Jones engine used as a reserve engine, 1 4-wheel hose carriage, 1 stove, two old heaters, 2 axles, 2 carriage wheels, 1 pair of double-trees, 2 battering-rams, 2 hose carriage springs, 2 old engine springs, 3 engine tongues, 2 horse collars, 6 wooden doors, 2 iron doors, 3 tons of coal, 1 engine lamp, 2 pieces of oil cloth, 1 elbow of stovepipe, 1 slop jar, 1 wash bowl and pitcher, 1 clothes basket, 2 old engine slides.

STOREROOM AT HEADQUARTERS.

3 hose-cart saddles, 2 traces, 1 set of 4-horse lines, 2 suction strainers, 2 old lantern frames, 9 iron collars, 4 harness hangers, 3 glass water gauges, 2 lantern brackets, 10 door springs, 3 door hinges, 2 iron rings, 2 Babcock holders, 4 pulley blocks, 1 whistle, 3 hose pipes, 1 axe, 1 crosshead (useless), 30 discharge valves for Clapp & Jones engine, 6 rubber suction valves, 61

hydrant valves, 8 rubber rings for glass water gauges, 4 iron wrenches, 6 acid bottles, 5 Babcock hose connections, 12 feet of Babcock hose, 4 gongs (worthless), 4 coil springs, 1 wire cutter, 2 axe handles, 1 spring door catch, 4 pipe fasteners, 2 iron hooks, 2 brass boxes for hose reel, 1 roof ladder hook, 1 handhold for hose reel, 1 set of chain gear for extension ladders, 2 hose straps, 1 $\frac{3}{4}$ -chain 7 feet long, 1 $\frac{3}{4}$ 11 feet long, 1 5-16 26 feet long, 1 reel chain 6 feet long, 8 iron cleavices, 2 harness hooks, 20 pounds of old iron, 1 borler ratchet, 2 twisted ratchet drills, 1 brace with auger, 6 collar hooks, 3 $\frac{3}{8}$ taps, 1 Waldon shut-off nozzle, 2 hub caps, 2 Calaghan shut-off nozzles, 1 hose connection, 3 hydrant caps, 4 brass bushings, 1 3-inch nipple, 1 1 $\frac{1}{2}$ -inch gate valve lever, 5 roof cutters, 1 steel bar for extracting thimbles, 3 crosshead bearings for Amoskeag engine, 9 line-snaps, 2 3-inch pipe taps, 12 bunches of lantern wicks, 3 pounds of $\frac{1}{2}$ -inch square flax packing, 4 dozen $\frac{1}{2}$ -ounce vials, 12 hanging springs (5 of them worthless), 88 1-inch brass tubes for Amoskeag engine, 1 12-inch gong, 4 stove grate dumpers (2 of them useless), 2 heater grates, 2 stove grates, 1 heater base attach, 1 set of Clapp & Jones valves, 2 9 $\frac{1}{2}$ -inch cast iron flanges, 2 4 $\frac{1}{2}$ -inch cast iron rings, 3 14-inch files, 2 pressure gauges, 12 hydrant spanners, 1 12-inch elbow, 20 pounds of 1 $\frac{1}{2}$ rubber packing, 2 pounds of Usudora packing, 1 pair of truck springs, 3 engine springs, 1 rubber nozzle, 1 stand, 1 rope reel, 15 ladder rungs, 1 iron bedstead, 1 barrel of lantern globes, 1 leather hose clamp, 1 4-horse whip, 2 iron door-openers, 3 hose pipe holders, 1 iron hose carriage tongue, 1 tube cleaner, 5 engine lamps, 1 chandelier, 1 lantern (useless), 1 set assorted 3 to 6 Swan's patent screwdriver, 1 iron door weight, 2 monkey wrenches, 2 hand axes, 1 marking hammer, 1 pipe wrench, 2 caulking chisels, 2 12-inch files, 1 ice wrench, 1 gas wrench, 5 flat chisels, 1 pipe tong, 1 punch and nippers, 2 oil cans, 1 $\frac{1}{2}$ flange union, 1 piece of pipe 4 inches long, 1 gate wheel, 4 spanners, 6 hydrant valves, 1 crowbar, 2 cistern keys, 1 pick, 2 shovels, 1 pair of chain tongs, 1 gate spade, 1 Johnson pump, 1 sledge hammer, 1 hydrant key, 1 saw, 1 tapping plug, 1 $\frac{1}{2}$ -inch valve, 2 paint brushes, 4 cans of paint, 1 box of nicks, $\frac{1}{2}$ can of varnish, 1 can of oil, 10 pounds of oakum, 100 pounds of lead, 3 wheels for cistern gates, 1 brass hydrant valve, 1 $\frac{1}{2}$ -elbow, 1 brass torch, 1 10-gallon tank, 1 5-gallon tank, 1 box of stamping numbers, 2 ladles, 1 furnace, 4 4-inch elbows, 9 cistern covers, 1 drum for hydrant, 2 4-inch nipples, 5 gallons of lard oil, 1 roof ladder, 1 wheelbarrow, 1 cistern trap, 1 hand truck, 1 buggy jack, 5 iron hinges, 1 sash weight,

50 feet of White Anchor hose, 150 feet of cotton hose, 4 suction for Amoskeag engines (3 worthless), 1200 feet of old hose, 50 feet of garden hose, 53 pair of couplings, 2 old axes, 3 $\frac{1}{2}$ tons of coal, 2 sacks of rock salt, 4 cistern covers, 6 boxes of Babcock charges, 1 carboy of sulphuric acid, 1 piece of 3-inch pipe 8 feet long, $\frac{1}{2}$ barrel of disinfectant, 3 window frames, 1 door, 300 coal sacks, 1 set of old harness, 2 empty carboys, 15 hydrants, 1 Willamette hydrant, 1 Ludlow hydrant and 13 Waterous hydrants, 3 wrenches for Clapp & Jones engine, 22 1-inch plugs, 22 $\frac{3}{4}$ -inch plugs, 6 1-inch crib connections.

In conclusion I wish to tender my sincere thanks to your Honorable Board and to the officers and members of the Fire Department for the many favors shown me in the discharge of my duties.

ANNUAL REPORT
OF THE
SUPERINTENDENT OF FIRE ALARM
TELEGRAPH.

1893.

PORTLAND, January 1st, 1894.

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

GENTLEMEN: In accordance with the rules and regulations (Sec. 6), I have the honor to submit herewith the tenth annual report of the Fire Alarm Telegraph, and to make such recommendations for your consideration as in my opinion are necessary to meet with the demands for proper fire protection in our rapidly growing city.

Our fire alarm system has operated very satisfactorily during the past year, and es-

pecially so with the new Municipal Fire and Police Telegraph Company's boxes, gongs, indicators and whistle blowers. This company's apparatus works in perfect harmony with our Gamewell boxes, etc., and is all that has been claimed for it—*absolutely non-interfering and reliable.*

We have disposed of our six circuit automatic Gamewell repeater, and replaced same with a six circuit automatic repeater with a capacity of ten circuits for the west side, and a three circuit automatic repeater with a capacity of five circuits for the east side, both of the Municipal Fire and Police Telegraph Company's manufacture. The new six circuit repeater has been in service long enough to establish the fact that it is perfect in action, and altogether a superior instrument.

We have put in and added to the system forty-two perfect non-interfering boxes, four indicators, two whistle blowers and whistles, and two gongs of the Municipal Company's make, and six electric horse unhitchers with relays, straps and batteries, sixty electric protectors with boxes, one pony relay, one dash pot relay, six wood protector boxes and five A. D. T. signal boxes with iron cases of the Portland Electrical Works' manufacture. Besides this we have extended our line wire seventeen miles, using all weather-proof insulated gal-

vanized iron wire of the best quality, No. 10, B. W. G., and put up in iron standards attached to the top of electric light and telephone company's poles, one hundred and five cells of No. 1 Gravity battery with amalgamated zines, and sixty Sampson battery for open circuit work has been added.

One thousand feet of one conductor (Kerite) armored submarine cable were used to span the draw of the Madison Street and steel bridges, to enable us to connect our east side system with the west side. All of which has been necessary to establish a fire alarm telegraph on the east side, and also to add to and improve the service on the west side.

Of the forty-two Municipal Company's boxes put in, two were of special construction arranged to send in any alarm that may be desired by a simple manipulation. These repeating boxes were put on the Morrison Street and steel bridges, where they can be readily used by the bridge employes; and when a fire occurs along the river front, a number corresponding to the location of the fire is transmitted from one of the bridge boxes over our entire fire alarm system. These boxes have proved to be very useful and efficient, and a number of alarms have been turned in from them.

A system of automatic transmission of alarms of fire has been established in the city, and is operated by the National Automatic Fire Alarm Company. As this system is recognized and approved of by the Pacific Insurance Union, and is a valuable adjunct to our fire alarm telegraph, a repeating box has been installed at their central office, and numbers corresponding to their boxes have been designated, so when they receive an alarm it can be transmitted manually without delay over our system.

We have many districts—and especially in the suburbs—that are without proper means of notifying the fire department of a fire; and I presume it will be useless to calculate on furnishing these districts with fire alarm boxes, in view of the fact that there is a disposition on the part of some of the taxpayers and the city council to cut down the appropriation for fire departments for the year 1894. I am well aware your Honorable Board would make these additions if it were in your power; and I earnestly trust a sufficient sum may be available and set aside for the following boxes, material and improvements, which, in my opinion, are necessary, and are due to the taxpayers in the locations referred to:

Six P. N. I. fire alarm boxes of the Municipal Fire & Police Telegraph Company's make for the following locations:

Nicolai and Twenty-second streets, or vicinity.

North Pacific Lumber Mfg. Co. mill, or vicinity.

Willamette Heights.

Market and Tenth streets, or vicinity.

Holladay's addition.

Inman & Paulson's mill, or vicinity.

These are the most urgent locations, and it will require about six miles additional line to connect same to our present system.

I would also recommend the following: That one visual indicator of the Municipal Company's make be purchased to take the place of the recorder at the house of Chemical No. 1, as this instrument is worn out.

That all Gamewell boxes that are incompetent in their mechanism be supplied with new movements of the P. N. I. Municipal Company's pattern, or repaired so they will be reliable.

I wish to call your attention to my recommendations of last year, which have not been carried out, owing to the lack of funds, and

which would materially enhance the efficiency of the service.

The department houses in the center of the city should have visual indicators, in order to facilitate the reading of a box, and to lessen the liability of a mistake.

The telephone lines in the department houses should have a suitable bell of a size that could be heard in any portion of the building at any time; the small magnets furnished by the telephone company are insufficient and at times can not be heard.

I have found the need of a light spring wagon for repairing purposes. Our lines cover a good deal of ground, and many times it is necessary to take out a coil of wire and more tools than two men can carry. We can not wait for a conveyance, as the trouble on the wires must be attended to without delay, day or night, and an available conveyance would greatly aid us in making these repairs.

The Board of Fire Commissioners' office should be supplied with an automatic time stamp and register, in order that each alarm should be accurately timed from first signal to the recall; each signal over the lines would be recorded to the second, which would be of great advantage as a matter of record.

Our fire alarm telegraph has operated well during the year and has given universal satisfaction. Some difficulties have been experienced, but these are common to any system and cannot well be avoided. Irregularities in the lines, grounds, breaks, crosses, etc., etc., have been promptly attended to and removed in the shortest time possible.

Reference will be had to the following pages for a complete list of the location of boxes, inventory of apparatus, line, battery and tools.

SIGNAL BOXES.

- 7—S. E. cor. Park and Jefferson.
- 8—S. E. cor. Twelfth and Morrison.
- 9—S. E. cor. Ninth and Everett.
- 12—S. E. cor. First and Morrison.
- 13—S. E. cor. Third and Washington.
- 14—S. E. cor. Second and Oak.
- 15—S. E. cor. First and Vine.
- 16—S. E. cor. First and Flanders.
- 17—S. E. cor. Sixth and Couch.
- 18—S. W. cor. Front and Lovejoy.
- 19—S. E. cor. Front and Stark.
- 21—S. E. cor. Fifth and Morrison.
- 23—S. E. cor. Park and Oak.
- 24—S. E. cor. Fourteenth and Glisan.
- 25—S. E. cor. Fourteenth and Northrup.
- 26—S. E. cor. Seventeenth and Savier.
- 27—Washington, opposite Sixteenth.
- 28—S. E. cor. Twelfth and Couch.
- 29—S. E. cor. Twenty-second and Everett.
- 31—S. E. cor. First and Mead.
- 32—S. E. cor. Fourteenth and Jefferson.
- 34—S. E. cor. Seventh and Jackson.
- 35—S. E. cor. Seventeenth and Clay.
- 36—S. E. cor. Twelfth and Hall.
- 37—S. E. cor. Fourth and Grant.
- 38—S. E. cor. Front and Market.
- 39—S. E. cor. Water and Harrison.
- 41—S. E. cor. Twentieth and Johnson.
- 42—S. E. cor. Twenty-second and Savier.

- 43—S. E. cor. Weidler's Mill.
- 45—S. E. cor. Seventh and Glisan.
- 46—S. E. cor. Twentieth and Washington.
- 47—S. E. cor. Eighteenth and Flanders.
- 48—S. E. cor. Eleventh and Johnson.
- 49—S. E. cor. Twenty-second and Lovejoy.
- 51—S. E. cor. Second and Taylor.
- 52—S. E. cor. Third and Madison.
- 53—S. E. cor. West Park and Yamhill.
- 54—S. E. cor. Fourth and Ankeny.
- 56—S. E. cor. Eleventh and Main.
- 57—S. E. cor. Seventeenth and Taylor.
- 58—S. E. cor. West Main and Stout.
- 59—S. E. cor. Seventh and Montgomery.
- 61—S. E. cor. Front and Couch.
- 62—S. E. cor. Fourth and Hoyt.
- 63—S. E. cor. Tenth and Washington.
- 64—S. E. cor. Nineteenth and Pettigrove.
- 65—Eng. Co. No. 6, Twentieth and Quimby.
- 67—S. E. cor. Twenty-fourth and Johnson.
- 68—S. E. cor. Twenty-sixth and Thurman.
- 69—S. E. cor. Nineteenth and Wilson.
- 71—S. E. cor. Corbett and Whiteaker.
- 72—S. E. cor. Corbett and Bancroft Avenue.
- 73—S. E. cor. Macadam and Thomas.
- 74—S. E. cor. Hood and Caruthers.
- 81—Engine Co. No. 5, Front between Gibbs
and Whiteaker.
- 123—S. E. cor. Front and Salmon.
- 124—S. E. cor. First and Hall.
- 125—S. E. cor. Fourth and Mill.

- 126—S. E. cor. First and Jefferson.
 132—Truck Co. No. 1, Fourth between Morrison and Yamhill.
 134—S. E. cor. Sixth and Salmon.
 135—S. E. cor. Sixth and Washington.
 136—Morrison Street Bridge Toll Office.
 137—S. E. cor. St. Clair and Park Avenue.
 142—S. E. cor. Third and Davis.
 143—Steel Bridge Toll Office.
 145—S. E. cor. Seventeenth and Kearney.
 213—N. E. cor. East Morrison and Water.
 214—N. W. cor. Hawthorne and Water.
 215—N. E. cor. East Fifth and Clay.
 216—N. W. cor. Eleventh and Stevens.
 217—N. W. cor. Twelfth and East Morrison.
 218—N. E. cor. Twelfth and East Ankeny.
 219—N. W. cor. Ninth and East Oak.
 231—N. W. cor. Union Ave. and East Oak.
 234—N. W. cor. E. Fifth and E. Morrison.
 235—S. E. cor. E. Fifth and E. Burnside.
 236—S. E. cor. E. Fifth and Holladay Ave.
 237—S. E. cor. Larrabee and Holladay Ave.
 238—N. W. cor. Larrabee and Broadway.
 241—S. E. cor. E. Ninth and E. Davis.
 243—N. W. cor. E. Sixteenth and E. Morrison.
 251—Hose Co. No. 3, E. Seventh between Stevens and Harrison.
 253—Cor. E. Eleventh and Division.
 312—S. E. cor. Russell and Railroad.
 314—S. W. cor. Goldsmith and Mitchell.
 315—S. W. cor. Mississippi Ave. and Stanton.
 316—S. W. cor. Williams Ave. and Russell.

- 317—N. E. cor. Williams and Weidler.
 318—N. E. cor. Union Ave. and San Rafael.
 319—S. W. cor. Union Avenue and Russell.
 321—S. E. cor. Mississippi Ave. and Fremont.
 324—Mississippi Avenue and Mason.
 325—Williams Avenue and Mason.
 326—N. E. cor. Williams Ave. and Fremont.
 327—S. W. cor. Union Avenue and Morris.
 328—Hose Co. No. 4, Vancouver Avenue between Failing and Beach.
 341—Cor. Russell opposite Borthwick.
 342—N. E. cor. Williams Ave. and Morris.
 345—Borthwick and Fargo.

INVENTORY AND VALUE OF FIRE ALARM PROPERTY.

APPARATUS.

42 perfect non-interfering signal boxes, Municipal Fire and Police Tel. Co.'s make; 53 non-interfering signal boxes, Gamewell Fire Alarm Tel. Co.'s make; 5 A. D. T. signal boxes; 1 Interstate Fire Alarm Co.'s box.....	\$10,700 00
2 automatic repeaters, 6 circuit with a capacity of 10 circuits, and 3 circuits with a capacity of 5 circuits, of Municipal Co.'s make.....	960 00
1 tower bell, 4,067 lbs., and striking apparatus.....	3,000 00
4 tower bells, (small).....	300 00
10 galvanometers.....	100 00
1 galvanometer and rheostat.....	80 00
1 tripod for same.....	8 00
33 relays, Pony, 20 ohms.....	150 00
1 relay, large, for central office.....	30 00
2 dash pot relays, local.....	15 00
1 telegraph key.....	5 00
8 18-inch Gamewell Co.'s gongs.....	1,200 00
6 14-inch C. E. W. gongs.....	300 00
2 6-inch Municipal Co.'s gongs.....	60 00
2 gongs, 10-inch, refitted to 14-inch.....	70 00
2 gongs, 6-inch.....	40 00
3 gongs, 8-inch.....	200 00
1 visual indicator, Gamewell Co.'s make..	150 00

Amount carried forward.....\$17,368 00

<i>Amount brought forward</i> ,.....	\$17,368 00
4 visual indicators, Municipal Co.'s make..	500 00
2 whistle blowers, " " " "	800 00
8 C. E. W. No. 1 switches.....	30 00
68 2-point switches.....	34 00
33 electric horse unhitchers, Coffee's patent	1,350 00
105 electric protectors, " " "	1,260 00
6 circular switches, C. E. W. make.....	18 00
1 combination bar switch.....	75 00
7 combination fire alarm sets.....	119 00
8 recorders (Coffee's patent).....	400 00
2 whistles, 6x24.....	100 00
	\$22,054 00

BATTERY.

450 No. 1 gravity in use.....	\$ 337 50
285 cells, complete open circuit battery, Sampson & LeClanche in use.....	200 00
	\$ 537 50

BATTERY MATERIAL.

120 lbs. Bluestone (Omaha)..... on hand	\$ 7 80
75 " Old copper.....	3 75
20 " New copper.....	7 00
5 brass connections for battery..	1 25
1 lb. B. C. Wire, No. 14.....	2 50
1 " parafine wax.....	50
	\$ 22 80

MATERIAL.

1 extra fire alarm box outer case	\$	15 00
42-miles line strung on Electric Light and Telephone Co. poles on iron standards, in use		7,000 00
10,000 feet box and office cable No. 14 "		200 00
400 feet office wire No. 14 "		32 00
100 brackets, oak painted "		2 50
1,700 standard insulators "		85 00
1,600 iron standards for poles "		2,100 00
6,800 lagg screws "		100 00
800 staples (box pipe) "		35 00
12 rolls marker paper on hand		2 50
1 gross screws "		2 50
5 lbs. annunciator wire No. 18. "		2 00
12 pipe caps for boxes "		1 50
½ gallon oil "		1 00
½ " gasoline "		12
2 lbs. wire staples "		60
		<hr/>
	\$	9,579 72

TOOLS.

1 18-foot ladder	\$	5 00
1 pair climbers		2 00
1 machine hammer		1 00
1 pair buckley stretchers		4 00
2 straps and vices		5 00
1 seive		1 00
100 feet sash cord		60
1 pair stubbs pliers		1 50
1 bench vice		12 00
		<hr/>
<i>Amount carried forward</i>	\$	32 10

Amount brought forward \$ 32 10

1 ratchet brace		2 25
6 carbets		1 00
4 bits, small		75
1 work bench		9 00
1 thermometer		50
3 files		1 50
1 box screw drivers		2 50
1 solder pot		2 00
1 solder iron		50
1 hand saw		2 00
1 chisel		2 00
1 cold chisel		50
1 monkey wrench		50
1 tape line		1 50
1 block and tackle		7 50
1 rule		50
1 hatchet		75
1 iron saw		2 50
1 alcohol torch		5 00
4 oil cans		2 50
1 parafine pan		1 00
1 pail		50
1 sprinkling pot		50
1 pair rubber gloves		1 00
1 glass funnel		1 00
1 hydrometer		2 50
1 wire reel		5 00
1 instrument table		50 00
3 chairs		10 00
1 coal box		5 00
		<hr/>
<i>Amount carried forward</i>	\$	153 85

<i>Amount brought forward</i>	\$	153 85
1 coal stove.....		10 00
1 set battery shelves.....		75 00
2 gas fixtures.....		4 00
1 coal scuttle.....		1 50
1 inkstand.....		1 00
1 pen rack.....		50
1 lounge.....		10 00
	\$	255 85

Total value of fire alarm property..... \$32,449 87

EXPENDITURES.

Salaries.....	\$	2,700 00
East side system.....		7,500 00
Extensions and additions.....		3,014 62
Maintenance.....		1,200 00
Total.....	\$	14,414 62

TABLE OF BELL ALARMS.

Box	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL FROM EACH BOX
7			1										1
8					1								1
9				1	1								2
12			2	1	1	1							5
13	1	1				1			1				4
14						2							2
15	1	1						4		1			7
16					2			1					3
17			1	1	1								3
18													0
19													0
21			1										1
23							1						1
24							1				1		2
25	1												1
26			2										2
27													0
28													0
29							3				1		4
31													0
32			1					1	1				3
34													0
35						1						2	3
36			1										1
37													0
Foot	3	2	9	3	6	5	5	6	2	1	2	2	46

TABLE OF BELL ALARMS—CONTINUED.

BOX	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL FROM EACH BOX
BRT													
FR'D													
38	3	2	9	3	6	5	5	6	2	1	2	2	46
39	1					1	1					1	4
41									1				1
42		1										1	1
43					1	1		1			1	1	5
45		1	1	1		2		1				1	7
46													0
47													0
48									1				1
49			1			2							3
51					1							1	2
52			1		1		1						3
53	1		1										2
54	1						2				1		4
56												1	1
57												1	1
58													0
59													0
61	1		1									1	3
62							1						1
63					1	1	1				1		4
64													0
65													0
FR'D	7	4	14	4	10	12	11	8	4	1	6	10	91

TABLE OF BELL ALARMS—CONTINUED.

BOX	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL FROM EACH BOX.
BRT													
FR'D													
67	7	4	14	4	10	12	11	8	4	1	6	10	91
68													0
69										1			1
71													0
72													0
73							1						1
74								1					1
81							1						1
123													0
124						1		2					3
125													0
126	1	2		2		1		1					7
132													0
134													0
135													0
136						1	1			1			3
137													0
142										1			1
143													0
145													0
213			1		1		2	1		1			6
214			1	1	1				1				4
215	1		1										2
216			1				1						2
FR'D	9	6	18	7	12	15	17	13	6	5	6	10	124

TABLE OF BELL ALARMS—CONTINUED.

BOX	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL FROM EACH BOX
BRT	9	6	18	7	12	15	17	13	6	5	6	10	124
FRD													
217			12			1							3
218								1					1
219										1			1
231													0
234									2				2
235	2						1						3
236				1		1						1	2
237			1									1	3
238							1						1
241													0
243											2		2
251								1			1		2
253													2
312				1									0
314													1
315													0
316						1	1						2
317								1					1
318	1										1		3
319													0
321													0
324						1							1
325													0
326													0
FRD	12	6	21	9	13	19	20	16	8	6	10	12	152

TABLE OF BELL ALARMS—CONCLUDED.

BOX	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL FROM EACH BOX
BRT	12	6	21	9	13	19	20	16	8	6	10	12	152
FRD	1												1
327													0
328													0
341													0
342							1						1
345													0
TOTL	13	6	21	9	13	19	21	16	8	6	10	12	154

In conclusion, I wish to tender my sincere thanks to your Honorable Board, and to the officers and members of the Fire Department for the many favors shown me in the discharge of my duties.

Very respectfully,

A. J. COFFEE,

Superintendent F. A. Telegraph.

FIREMAN'S
MUTUAL RELIEF ASSOCIATION

OF THE
PORTLAND FIRE DEPARTMENT.

ORGANIZED MAY 9, 1883.

OFFICERS:

J. H. STEFFEN, President.

THEO. WYGANT, Treasurer.

C. A. FREEMAN, Secretary.

BOARD OF DIRECTORS:

J. H. STEFFEN,

T. B. TREVETT,

THEO. WYGANT,

JOSEPH BUCHTEL,

C. A. FREEMAN.

EXECUTIVE COMMITTEE:

CHIEF ENGINEER AND ASST. ENGINEERS.

Meetings are held the first Wednesday of each month
at room 5½ Bickel Block,
office of Board of Fire Commissioners.

RECEIPTS.

On hand December 31st, 1892		\$ 2,373 76
Rec'pts for Jan. for fines and dues	\$160 50	
“ Feb. “ “	141 50	
“ Mar. “ “	207 45	
“ April “ “	128 00	
“ May “ “	153 00	
“ June “ “	135 05	
“ July “ “	107 50	
“ Aug. “ “	134 50	
“ Sep't. “ “	101 50	
“ Oct. “ “	112 05	
“ Nov. “ “	127 00	
“ Dec. “ “	115 00	
Interest on Bills Receivable.....	125 34	
	<hr style="width: 100%;"/>	1,748 39
Total receipts, 1893		<hr style="width: 100%;"/> \$4,122 15

SUMMARY OF RECEIPTS AND DISBURSEMENTS

From May 9th, 1883 to Dec. 31st, 1893.

1883. Receipts \$	691 00	Disbursements \$	368 84
1884. “	623 00	“	475 81
1885. “	1,381 50	“	685 72
1886. “	811 00	“	337 67
1887. “	830 00	“	588 76
1888. “	669 50	“	722 80
1889. “	934 38	“	855 48
1890. “	1,391 40	“	1,162 14
1891. “	1,510 25	“	960 35
1892. “	1,832 40	“	2,143 10
1893. “	1,748 39	“	1,644 32
	<hr style="width: 100%;"/>		<hr style="width: 100%;"/>
	\$12,422 82		\$9,944 99
Bal. on hand, Bills Receivable	\$2,400 00		
“ Cash	77 83		
			<hr style="width: 100%;"/>
			2,477 83
			<hr style="width: 100%;"/>
			\$12,422 82

SOURCES OF REVENUE 1883 TO 1893 INCLUSIVE.

Amount received from dues and fines....	\$ 9,974 65
Amount received from donations	856 00
Amount received from theater benefit....	757 00
Amount received for interest.....	799 67
Amount rec'd from miscellaneous sources	35 50
	<hr style="width: 100%;"/>
	\$12,422 82

DISBURSEMENTS—1893.

Feb.	By War't No. 411	John Scott.....	\$ 12 00
"	" " 412	A. J. Coffee.....	9 35
"	" " 413	A. C. Cooke.....	9 35
"	" " 414	E. A. Scofield.....	42 65
"	" " 415	W. Winters.....	18 65
"	" " 416	Jos. Williams.....	33 30
"	" " 417	Magoon Bros.....	1 50
Mar.	" " 418	Stuart & Thompson..	80
"	" " 419	S. C. Beach.....	12 00
"	" " 420	Jas. McCormick...	6 65
"	" " 421	P. Manciet.....	25 35
"	" " 422	Jas. Terwilliger...	17 35
Apr.	" " 423	Jas. McCormick...	17 35
"	" " 424	S. Penney.....	9 35
"	" " 425	Adam Lope.....	34 66
"	" " 426	H. Demain.....	10 66
"	" " 427	A. Wirtz.....	9 35
"	" " 428	E. A. Scofield.....	10 66
"	" " 429	Chas. Hoops.....	18 66
"	" " 430	R. B. Knight.....	3 00
"	" " 431	Evening Telegram..	50
"	" " 432	Morning Oregonian	50
"	" " 433	Robert Holman....	2 10
"	" " 434	Wm. Stohlman....	12 00
May	" " 435	S. Goodwin.....	9 35
"	" " 436	J. C. Thomas.....	9 35
"	" " 437	Adam Lope.....	37 35

Amount carried forward.....\$373 79

DISBURSEMENTS—1893.

CONTINUED.

		<i>Amount brought forward</i>	\$ 373 79
May	By War't No. 438	H. Demain.....	6 77
"	" " 439	John M. Laue.....	1 25
"	" " 440	Adam Weitz.....	4 00
"	" " 441	".....	13 35
"	" " 442	R. B. Knight.....	3 00
"	" " 443	A. C. Panton.....	7 50
June	" " 444	H. P. Stebbins....	14 67
"	" " 445	E. A. Scofield.....	26 67
"	" " 446	J. McFarland.....	24 00
"	" " 448	F. Wanklin.....	28 00
"	" " 449	S. Glandon.....	28 00
"	" " 450	L. Favro.....	46 67
"	" " 451	A. Weitz.....	1 35
"	" " 452	Lane-Davis Drug Co	1 00
"	" " 453	United Carriage Co.	1 50
"	" " 454	Dr. Mackenzie....	135 00
July	" " 455	Ed. Oliver.....	36 00
"	" " 456	S. Stafford.....	21 30
"	" " 457	L. Favro.....	40 00
"	" " 458	Chas. Reynolds....	13 35
Aug.	" " 459	L. Favro.....	6 70
"	" " 460	W. R. Maxfield...	20 00
"	" " 461	Benj. Woods.....	8 76
"	" " 462	A. J. Sperry.....	4 50
"	" " 463	R. B. Knight.....	2 25
"	" " 464	E. H. Thornton....	25 00

Amount carried forward.....\$ 894 32

DISBURSEMENTS—1893.

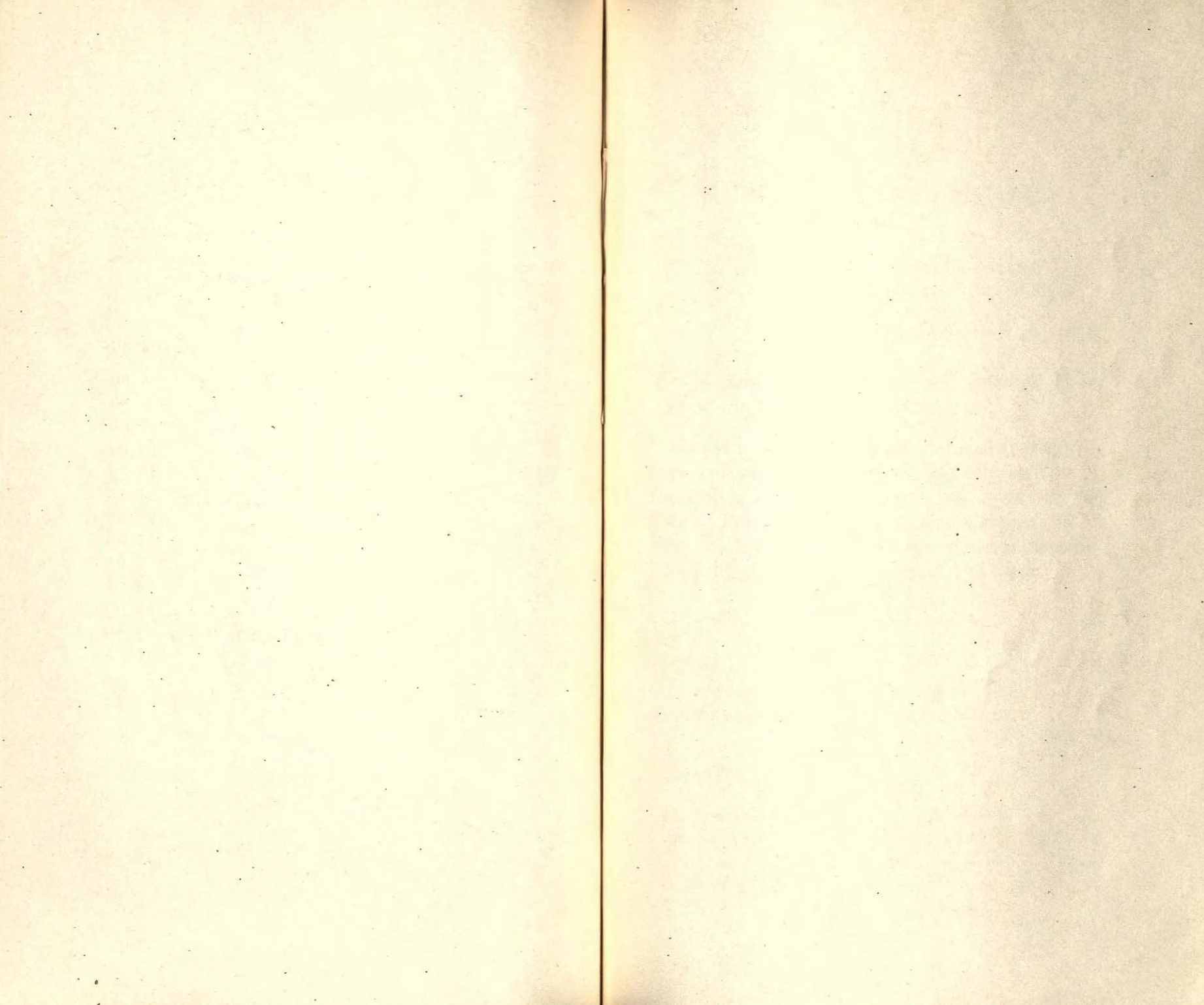
CONTINUED.

<i>Amount brought forward</i>		\$ 894 32
Aug.	By War't No. 465 Ed Oliver.....	37 33
Sept.	" " 466 S. Stafford.....	13 75
"	" " 467 W. M. Groce.....	12 00
"	" " 468 J. McFarland.....	16 00
"	" " 469 A. B. Steinbach & Co	16 50
"	" " 470 Morning Oregonian.	4 30
"	" " 471 A. J. Giesey, M. D.	10 00
"	" " 472 McAllen & McDonald	6 40
"	" " 473 Wm. H. Beeson....	20 00
"	" " 474 Mrs. A. E. Beckwith	75 00
"	" " 475 P. Gately.....	2 00
Oct.	" " 476 A. Richardson.....	28 00
"	" " 477 Martin Bussy.....	42 66
"	" " 478 Con O'Brien.....	13 35
"	" " 479 N. R. Donlan.....	14 65
"	" " 480 B. McFarland.....	8 00
"	" " 481 M. McGloin.....	10 67
"	" " 482 S. Stafford.....	36 00
"	" " 483 W. M. Groce.....	32 00
"	" " 484 Henry Johnson....	50
Nov.	" " 485 A. Richardson.....	28 00
"	" " 486 Con O'Brien.....	10 00
"	" " 487 Benj. Wood.....	17 33
"	" " 488 R. W. Glendenning.	20 00
"	" " 489 O. S. Biswanger....	10 00
"	" " 490 Wm. Boys.....	25 00
<i>Amount carried forward</i>		\$1,403 36

DISBURSEMENTS—1893.

CONTINUED.

<i>Amount brought forward</i>		\$1,403 36
Nov.	By War't No. 491 "The Famous".....	25 50
"	" " 492 J. A. W. Laue.....	2 80
Dec.	" " 493 Eagle Woolen Mills.	67 50
"	" " 494 A. D. Bevin, M. D..	10 00
"	" " 495 Geo. Collins.....	13 33
"	" " 496 J. W. Smith.....	21 35
"	" " 497 R. Gately.....	29 33
"	" " 498 A. Turnbull.....	17 33
"	" " 499 J. B. Schrantz.....	12 00
"	" " 500 W. St. Clair.....	14 67
"	" " 501 Thos. Grenfel.....	12 00
"	" " 502 Portland Laundry Co	1 80
Jan.	" " 503 A. Peterson.....	13 35
Total.....		\$1,644 32



MUNICIPAL JUDGE'S REPORT.

OFFICE OF MUNICIPAL JUDGE, }
CITY OF PORTLAND, }

PORTLAND, Or., December 31, 1893.

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

GENTLEMEN: Herewith I present my abstract of cases (City and State) disposed of in the Police Court and Municipal Court of the City of Portland, Oregon, during the year A. D. 1893, with the fines and costs collected therein. The following is a summary of the same:

First quarter ending March 31, 1893—

STATE CASES.

Forfeited bail.....	\$ 80 00	
Fines collected.....	370 00	
		—————\$ 450 00

CITY CASES.

Forfeited bail.....	\$ 900 00	
Fines collected.....	957 00	1,857 00
		—————
Total.....		\$2,307 00

Second quarter ending June 30, 1893—

STATE CASES.

Forfeited bail..	\$ 182 50
Fines collected..	320 00
Costs collected..	25 00
	<u>\$ 527 50</u>

CITY CASES.

Forfeited bail.....	\$1,120 00
Fines collected.....	1,013 70
	<u>2,133 70</u>
Total.....	\$2,661 20

Third quarter ending September 30, 1893—

STATE CASES.

Forfeited bail.....	\$ 290 00
Fines collected.....	292 00
	<u>\$ 582 00</u>

CITY CASES.

Forfeited bail.....	\$ 814 25
Fines collected.....	686 00
	<u>1,500 25</u>
Total.....	\$2,082 25

Fourth quarter ending December 31, 1893—

STATE CASES.

Forfeited bail.....	\$ 160 00
Fines collected.....	281 00
	<u>\$ 441 00</u>

CITY CASES.

Forfeited bail.....	\$ 549 00
Fines collected.....	296 00
Fines and costs collected for viola- tion of Ordinance No. 8447, re- lating to adulterated food pro- ducts.....	245 00
	<u>1,090 00</u>
Total.....	\$1,531 00

SUMMARY.

Total for quarter ending March 31..	\$2,307 00
Total for quarter ending June 30.....	2,661 20
Total for quarter ending September 30.....	2,082 25
Total for quarter ending December 31.....	1,531 00
	<u>\$8,581 45</u>
Total for year ending December 31, 1893	\$8,581 45

Very respectfully,

CHAS. H. CAREY,
Municipal Judge of the City of Portland.

POLICE COMMISSIONERS' REPORT.

OFFICE OF BOARD OF POLICE COMMISSIONERS, }
PORTLAND, OR., Jan. 1st, 1894. }

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

GENTLEMEN: We respectfully present the following account of the expenses of the Police Department for the year 1893.

Pay of Police.....	\$107,925 45
Board of prisoners.....	2,501 09
Care of sick and wounded....	506 20
Medical attendance.....	128 45
Expenses of patrol wagon...	839 26
Horses and equipments for mounted police.....	389 00
Board of same.....	452 75
Expense of police building ..	520 25
Current expenses, including fuel, light, print'g, telephone, telegraph, rents, traveling expenses and all contingents	4,427 91
Total	\$117,690 36

We herewith submit our estimate of the cost of conducting the Police Department for the year 1894.

In view of the extraordinary condition of financial affairs now prevailing, the Board has reduced the expenses of this department to the lowest possible estimate consistent with ordinary efficiency, confidently believing, however, that the experience, energy and ability of Chief Hunt will enable him to conduct the department to the satisfaction and security of the public upon the following estimate :

Pay of Police.....	\$89,660 00
Board of prisoners	2,500 00
Care of sick and wounded.....	600 00
Medical attendance.....	150 00
Expense of patrol wagon.....	500 00
Board of horses mounted police.	400 00
Expense of Police building	250 00
Current expenses.....	4,000 00
Total	\$98,060 00

And we ask that this amount be placed to the credit of the Police Fund for the year 1894. Accompanying this we hand you the reports of the Chief of Police and the License Officer.

We have the honor to remain,

Yours respectfully,

B. P. CARDWELL,

President of the Board.

SILVEY STUART,

Secretary.

REPORT OF CHIEF OF POLICE,

FOR THE YEAR ENDING DECEMBER 31, 1893.

PORTLAND, Oregon, January 1, 1894.

To the Honorable the Board of Police Commissioners :

GENTLEMEN: I hereby respectfully submit the following report of the work done by the Police Department of this City during the year 1893:

ARRESTS FOR YEAR 1893, BY MONTHS

	Males.	Females.	Totals.	Number of Minors.
January.....	339	32	371	35
February.....	245	16	261	7
March.....	297	15	312	12
April.....	299	20	319	27
May.....	336	23	359	15
June.....	377	53	430	31
July.....	386	20	406	28
August.....	431	44	475	32
September.....	357	40	397	16
October.....	429	34	463	28
November.....	386	23	409	44
December.....	400	17	417	37
	<hr/>	<hr/>	<hr/>	<hr/>
	4,282	337	4,619	312

NUMBER OF LODGERS FOR THE YEAR BY MONTHS.

	Males.	Females.
January.....	94	2
February.....	56	..
March.....	52	1
April.....	60	1
May.....	44	..
June.....	32	..
July.....	16	..
August.....	33	..
September.....	39	1
October.....	121	2
November.....	154	5
December.....	164	4
	865	16
Total.....	881	

CRIMES FOR WHICH ARRESTED.

Attempt to pass counterfeit money.....	3
Attempt to commit suicide.....	3
Attempt to rob.....	14
Adultery.....	2
Abduction.....	1
Arson.....	2
Assault upon officer.....	5
Assault with intent to rape.....	6
Assault with intent to kill.....	2
Assault and battery.....	151
Assault with dangerous weapon.....	29
Aiding prisoners to escape.....	3
Abusive language.....	36
Burglary.....	11
Breaking and entering.....	8

Begging.....	76
Buying and receiving stolen goods.....	7
Carrying concealed weapons.....	36
Cruelty to animals.....	23
Contempt of court.....	1
Carrying baskets on sidewalk.....	37
Drunk.....	1417
Drunk and disorderly.....	251
Disorderly conduct.....	194
Defacing buildings.....	14
Discharging firearms in limits.....	13
Dumping garbage in improper place.....	15
Deserters from army.....	5
Disturbing schools and churches.....	4
Driving over fire hose.....	3
Distributing and posting bills without license.....	38
Extortion.....	7
Embezzlement.....	5
Fighting.....	120
Fast driving.....	16
Forgery.....	9
Fugitives from justice.....	12
False pretense (money and goods).....	14
Gambling.....	64
Gathering swill without license.....	15
Held as witness.....	79
Held by Chief on account of sickness.....	13
Highway robbery.....	2
Harboring seamen.....	2
Hauling garbage after hours.....	9
Insane.....	68
Interfering with officers on duty.....	8
Indecent exposure.....	7
Inmates of bawdy houses.....	55

Keepers of bawdy houses.....	11
Keepers of opium joints.....	6
Larceny (petty).....	212
Larceny (grand).....	6
Larceny in dwelling.....	24
Larceny in store.....	14
Larceny from person.....	25
Larceny by bailee.....	12
Larceny (suspicion of).....	27
Lewd cohabitation.....	4
Leaving team unhitched.....	5
Malicious mischief.....	3
Maintaining a nuisance.....	15
Murder.....	1
Peddling without license.....	118
Prisoners en route to other places.....	35
Publishing indecent newspapers.....	6
Perjury.....	1
Personating an officer.....	1
Pickpockets.....	2
Robbery.....	10
Runaways.....	18
Refusing to move on.....	8
Riding bicycle on walk.....	6
Refusing to assist an officer.....	3
Roaming streets after 12 a. m.....	274
Surrendered by sureties.....	6
Selling liquor without license.....	4
Saloon open after hours.....	40
Selling liquor to minors.....	5
Safe keeping.....	52
Suspicious persons.....	42
Soliciting prostitution.....	63
Selling indecent newspapers.....	32

Stubborn children.....	13
Selling adulterated milk.....	17
Selling lottery tickets.....	9
Smoking opium.....	8
Swill wagons not covered.....	20
Smuggling liquor into jail.....	2
Selling at auction without license.....	1
Trespass.....	327
Threatening to kill.....	19
Vagrancy.....	182
Violation of hack ordinances.....	15

4619

Number of calls answered by patrol wagon.....1499
 Number of day's work performed by prisoners...2690

Property and money recovered and returned
 to owners valued at.....\$4,503 00

Number of prisoners sent county jail.....483
 Number committed to city jail.....1150
 Number sent to reform school.....8
 Number held for safe keeping and delivered to
 proper authorities.....126
 Number sent to poor farm.....7
 Number sent to Boys and Girls' Aid Society by
 Chief of Police.....50
 Number sent to Magdalen Home by Chief of
 Police.....7
 Number sent to Good Samaritan Hospital.....11
 Number sent to St. Vincent Hospital.....10
 Number sent to Insane Asylum at Salem.....36

NATIVITY OF PERSONS ARRESTED.

American	1898
Irish	1119
German	637
Chinese	273
Swedes	218
French	110
Italian	100
English	65
Norwegian	44
Scotch	32
Russian	27
Japanese	21
Indian	20
Danes	12
Swiss	7
Greek	7
Assyrian	7
Polish	5
Arabian	5
Spanish	4
Newfoundland	3
Holland	2
Belgian	1
Austrian	1
Canadian	1
Total	4619

NUMBER OF OFFICERS ABSENT ON ACCOUNT OF SICKNESS.

January	13
February	20
March	15

April	17
May	8
June	8
July	5
August	3
September	4
October	11
November	11
December	8

MISCELLANEOUS WORK DONE BY POLICE
DURING YEAR 1893.

REPORTED TO HEADQUARTERS BY OFFICERS.

Articles found	38
Accidents	60
Animals driven to pound	92
Breaking and entering prevented	15
Burglaries (reported)	56
Dangerous bridges	46
Dead bodies (animals)	278
Defective street lights	8978
Defective sewers	99
Disturbance suppressed	97
Fire alarms given by police	37
Fires extinguished without alarms	27
Holes in streets (reported)	93
Injured persons assisted	44
Intoxicated persons assisted home	457
Lost children returned home	104
Larcenies reported	209
Lights out in building usually lighted	29
Rescued from drowning	4
Runaway horses reported	54

Runaway horses stopped	29
Robberies reported	41
Sidewalks needing repairs	879
Stores and dwellings found open and secured	143
Street obstructions reported	297
Stray teams cared for	74
Suicide prevented	6
Violation of building law	3
Water running to waste	101
Witnesses summoned	222
Windows and transoms found open	165
Number of warrants issued	390
Number of warrants not served	29

HEALTH DEPARTMENT.

DEATHS RECORDED AT THIS OFFICE DURING 1893.

	MALE	FEMALE
January	45	39
February	47	34
March	54	32
April	42	40
May	65	27
June	42	32
July	35	41
August	68	37
September	53	58
October	46	35
November	64	30
December	46	42
	607	447—1,054 total.

Died at St. Vincent's hospital	81
“ Good Samaritan “	60
“ Portland “	24
“ Baby home “	10
“ Magdalen home	2
“ County jail	1
“ City jail	1
No. of bodies rec'd for interment from elsewhere	46
“ shipped to other places	86

CONTAGIOUS DISEASES RECORDED AT THIS OFFICE
AND REPORTED TO CITY PHYSICIAN.

January	31
February	34
March	37
April	57
May	96
June	91
July	73
August	19
September	5
October	25
November	48
December	21
Total	537

NUMBER OF BIRTHS RECORDED AT THIS OFFICE.

	MALE	FEMALE
January	19	19
February	13	16
March	17	16
April	20	15

May	20	18
June	20	19
July	17	19
August	23	26
September	18	14
October	22	10
November	17	13
December	29	23
	<hr/>	<hr/>
	235	218—453 total.

NUMBER OF NUISANCES REPORTED AND ABATED.

	REPT'D	ABAT'D
January	146	110
February	159	118
March	122	111
April	138	129
May	135	165
June	126	112
July	238	226
August	270	252
September	136	112
October	137	123
November	157	144
December	109	96

Total nuisances reported, 1,873.

Nuisances abated, 1698; dead animals taken care of, 278; total abatements, 1,976.

COLLECTED BY CHIEF OF POLICE FROM

JANUARY 1ST TO DECEMBER 31ST, 1893.

Delinquent City Taxes	\$ 14,005 80
Costs on same	878 28
Street improvements	50,602 51
Interest on same	845 01
Costs "	716 68
Street extensions	11,513 82
Costs on same	192 43
Overplus on sale	34 00
Sewer construction	25,345 58
Interest on same	300 05
Costs on same	1,075 95
Amount paid over to City	
Treasurer	\$105,330 85
Cash on hand	179 26
	<hr/>
Total	\$105,510 11 \$105,510 11

All of which is respectfully submitted,

CHAS. H. HUNT,
Chief of Police.

LICENSES.

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

GENTLEMEN: I herewith submit my annual report for the year ending December 31, 1893, in tabulated form, an inspection of which will disclose the amount of work performed by the License Department of the City during the past year.

Receipts in the sum of \$44.50 were issued by the City Treasurer which were not filed with the Auditor and Clerk, making the total amount collected for general licenses \$171,383.40.

Respectfully submitted,

F. S. BUCHEL,
License Officer.

ANNUAL REPORT OF LICENSE OFFICER FOR 1893.

OCCUPATIONS	1ST QUARTER		2D QUARTER	
	No.	Amounts	No.	Amounts
Auctioneers.....	6	\$ 240 00	11	\$ 386 70
Bill posters.....	6	80 00	9	100 00
Bowling alleys.....	3	15 00	3	15 00
Billiards.....	21	211 65	19	170 00
Coal oil.....	7	72 00	6	69 00
Coupes.....	2	6 00	1	3 00
Drays.....	60	170 00	57	171 00
Express wagons, single...	140	410 00	138	397 00
Express wagons, double...	88	415 00	91	441 00
Employment offices.....	26	113 35	31	129 95
Express companies.....	3	75 00	3	75 00
Grading teams.....	56	178 35	73	280 60
Gurneys.....	40	196 65	43	213 65
Hack drivers.....	55	55 00	18	18 00
House movers.....	3	106 65	4	93 35
Hawkers.....	83	422 50	104	518 40
Insurance.....	55	550 00	57	563 30
Laundries.....	74	602 50	68	557 50
Miscellaneous.....	7	76 65	6	151 65
Oil wagons.....	13	119 95	11	106 65
Omnibusses.....	4	20 00	4	20 00
Peddlers.....	47	319 50	44	302 50
Powder.....	12	60 00	12	60 00
Pawn brokers.....	15	1,125 00	42	122 00
Plumbers.....	42	129 00	42	122 00
Runners hotel.....	16	153 35	19	180 00
Scavengers.....	49	146 00	51	147 00
Second-hand stores.....	46	218 35	45	218 65
Shooting galleries.....	1	25 00	2	41 65
Street cars.....	6	1,667 50	5	850 00
Trucks.....	60	298 30	66	323 40
Theaters.....	7	400 00	4	187 50
Wharfingers.....	11	300 00	11	300 00
Dancing schools.....	6	60 00	.....	.....
Saloons.....	357	35,366 70	359	35,339 90
Wholesale liquors.....	11	550 00	14	650 00
Malt liquors.....	2	100 00	.....	.....
Liquor in restaurants.....	18	450 00	19	466 65
Totals.....	1458	\$45,505 25	1450	\$43,670 00

ANNUAL REPORT OF LICENSE OFFICER FOR 1893.

OCCUPATIONS	3D QUARTER		4TH QUARTER		TOTALS
	No.	Amounts	No.	Amounts	
Auctioneers.....	8	\$ 266 65	9	\$ 280 00	\$ 1,173 35
Bill posters.....	4	55 00	5	68 35	303 35
Bowling alleys.....	3	15 00	3	15 00	60 00
Billiards.....	18	165 00	21	171 70	718 35
Coal oil.....	6	69 00	6	69 00	279 00
Coupes.....	2	8 00	1	3 00	20 00
Drays.....	48	141 00	51	152 00	634 00
Exp's wagons, single	140	416 00	143	406 00	1,629 00
Exp's wagons, double	84	398 60	82	399 00	1,653 90
Employment offices..	22	101 70	14	81 65	426 65
Express companies..	3	75 00	3	75 00	300 00
Grading teams.....	29	86 60	33	155 10	700 65
Gurneys.....	39	186 70	2	5 00	5 00
Hacks.....	11	11 00	41	205 00	802 00
Hack drivers.....	2	53 35	6	6 00	90 00
House movers.....	117	1,249 90	4	66 70	320 05
Hawkers.....	60	590 00	101	1,218 30	3,449 10
Insurance.....	65	540 00	58	580 00	2,283 30
Laundries.....	65	540 00	69	567 50	2,267 50
Miscellaneous.....	18	181 65	1	16 65	426 60
Oil wagons.....	8	80 00	10	100 00	406 60
Omnibusses.....	4	20 00	4	20 00	80 00
Peddlers.....	33	216 50	51	326 50	1,165 00
Powder.....	11	55 00	11	55 00	230 00
Pawn brokers.....	14	1,025 00	.....	.....	2,150 00
Plumbers.....	43	131 00	41	124 00	506 00
Runners hotel.....	16	150 00	19	173 35	656 70
Scavengers.....	50	147 00	54	154 00	594 00
Second-hand stores..	42	199 95	40	225 00	861 95
Shooting galleries...	2	50 00	2	41 65	158 30
Street cars.....	4	512 50	6	494 60	3,524 60
Trucks.....	58	288 35	54	270 00	1,180 05
Theaters.....	4	133 30	4	250 00	970 80
Wharfingers.....	12	310 00	14	326 65	1,236 65
Dancing schools.....	341	33,799 95	317	31,299 90	135,806 45
Saloons.....	11	550 00	10	500 00	2,250 00
Wholesale liquors...	1	50 00	2	100 00	250 00
Malt liquors.....	17	408 35	17	425 00	1,750 00
Liquor in restaur'nts	.....	.....	.....	.....	.....
Totals.....	1340	\$42,737 05	1288	\$39,426 60	\$171,338 90
Receipts not presented for license.....	.....	.....	.....	.....	44 50
Grand total.....	.....	.....	.....	.....	\$171,383 40

ANNUAL REPORT
OF THE
INSPECTOR OF PLUMBING & DRAINAGE
FOR THE YEAR 1893.

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

GENTLEMEN: I have the honor at this time to submit for your consideration a report of the business of this office for the year 1893.

	1892	1893
Plumbers' licenses issued for First Quarter	37	42
" " " Second "	39	42
" " " Third "	41	43
" " " Fourth "	43	41

New buildings in which an entire new system of plumbing has been placed, of which plans and specifications have been filed in this office - - -	519	430
Old buildings in which a part of the plumbing has been changed - -	876	791
Old buildings in which an entire new system of plumbing has been placed -	36	168

	1892	1893
Small contracts for house repairs and miscellaneous work - - -	628	564
Special permits granted for cellar drains	68	107
Special permits to allow roof water to enter the sewer where the buildings were below grade - - -	85	94
Inspections made of property having cesspools, and requiring sewer connections	609	481
Persons served with a notice to improve old plumbing - - -	311	448
Persons who have put in sewers after an official notice has been served on them	282	481
Reports of defective drains and plumbing turned in at this office - -	921	667
Written communications received at this office with reference to plumbing -	28	64
Buildings disconnected from cesspools and connected with street sewers -	258	318
The greatest number of plumbing fixtures placed in any one building - -	189	128
Blocks inspected up to date in which no cesspools are left in use - -	712	1118
Warrants sworn out during the year for violations of the plumbing ordinances	6	10
Number of persons fined for violations of the ordinances - - -	2	6
Total number of sewer and cesspool connections reported from all sources -	1268	1341
Estimated amount of business of all the licensed plumbers - \$400,000	\$310,000	
Highest price paid for a single contract for plumbing was -	23,325	15,496
Lowest price paid for a single contract for plumbing was -	3.00	2.50

	1892	1893
Number of men employed on an average through the year - - -	170	155
Number of men working during Dec.	110	80

The following figures show, as near as can be ascertained, the number of buildings and their approximate cost, the construction of which has been carried on during 1892 and 1893 in the city of Portland and the suburbs.

The greater number of these buildings have had some plumbing and are all completed, or nearly so, at this date.

During the past two years the following classes of buildings have been built :

	1892	1893
Buildings costing \$1000 or less -	445	281
“ “ from \$ 1,000 to \$ 2,000	330	192
“ “ “ 2,000 to 3,000	199	108
“ “ “ 3,000 to 4,000	86	45
“ “ “ 4,000 to 5,000	52	27
“ “ “ 5,000 to 7,500	62	28
“ “ “ 7,500 to 10,000	9	7
“ “ “ 10,000 to 15,000	24	9
“ “ “ 15,000 to 20,000	13	4
“ “ “ 20,000 to 30,000	18	4
“ “ “ 30,000 to 50,000	8	1
“ “ “ 50,000 to 75,000	5	3
“ “ “ 75,000 to 100,000	2	3
“ “ “ 100,000 to 500,000	1	2
“ “ “ 500,000 to upwards.	1	1
	<hr/>	<hr/>
	1255	714

Total estimated expenditure on buildings during the year 1892, \$7,149,450; 1893, city proper \$2,169,281, suburbs, \$1,621,789, total \$3,791,070.

The following list shows the amount of money expended in building improvements each year for the past twelve years, and includes only residences, office buildings, blocks, factories, public buildings, churches, etc., and does not include docks, bridges and street railways:

1882	-	-	-	-	-	-	\$3,377,600
1883	-	-	-	-	-	-	3,039,100
1884	-	-	-	-	-	-	2,109,300
1885	-	-	-	-	-	-	464,400
1886	-	-	-	-	-	-	1,989,191
1887	-	-	-	-	-	-	2,784,024
1888	-	-	-	-	-	-	3,552,639
1889	-	-	-	-	-	-	5,000,879
1890	-	-	-	-	-	-	5,073,490
1891	-	-	-	-	-	-	6,647,465
1892	-	-	-	-	-	-	7,149,450
1893	-	-	-	-	-	-	3,791,070

The following is a record by months, and includes all the building improvements in the city and suburban additions for—

	1893
January	\$ 940,448
February	112,048
March	783,828
April	325,243
May	368,772
June	202,708

July	-	-	-	-	-	-	192,896
August	-	-	-	-	-	-	268,467
September	-	-	-	-	-	-	164,013
October	-	-	-	-	-	-	159,303
November	-	-	-	-	-	-	140,513
December	-	-	-	-	-	-	132,831

Total, - - - - - \$3,791,070

The principal buildings in which plumbing has been inspected during the year and the cost of such buildings, as estimated when permits were taken out, are:

North Pacific Terminal Company's building	\$400,000
Chamber of Commerce	400,000
Steinbach and Wells, 7th and Washington	80,000
North Western Loan and Trust Company's building, 3d and Oak	80,000
Portland Saving's Bank building, cor. Washington and 2d	50,000
Union Meat and Cold Storage Company's building, Glisan and 4th	50,000
Jacobs Bros.' building, 3d and Taylor	45,000
J. E. Haseltine's building, 2d and Pine	45,000
A. P. Hotaling Co., 1st, near Burnside	25,000
Portland Seaman's Friend Association, cor. 3d and Davis	25,000
Wm. B. Honeyman's residence, cor. King and Taylor	25,000
Dominican Fathers school, Union ave., near Clackamas	20,000
Church building and parsonage, Grand ave., near Wasco	20,000
Multnomah Amateur Athletic Club, 10th, near Alder	20,000

Hill house, 12th and Jefferson	- -	15,000
Geo. Holm building, Johnston and 10th	-	14,000
J. Heiler building, Hawthorne and Grand		12,000
Caroline E. Wilson's building, Couch, bet. 4th and 5th, north	- - - -	10,000

The following are some of the buildings in which an entire system of plumbing has been found necessary in order to improve the sanitary condition of the buildings:

The United States Customs and Court building.

The Multnomah County Court House.

The Portland Heights School.

Holladay School.

North Central School, East Portland.

No. 2 Engine House.

No. 2 Hose House.

and a

Number of Private Residences.

It is especially gratifying to me at this time to be able to report that the Directors of the public schools are studying very closely and carefully the sanitary condition of the school buildings, and in every case where they have had money for sanitary improvements they have insisted on its being expended strictly according to the ordinances as passed by the Common Council.

The School Directors now have under their charge thirty-one schools, in which they are educating over nine thousand children; and the Directors have come to fully realize that the heating, ventilating and plumbing of these buildings are of the utmost importance,

and, with a view to securing the best sanitary results for the buildings, they have expended much time and money in arriving at the best methods for improving the old and new buildings.

During the year the Directors have given all the available money possible to the fund for heating, ventilating and plumbing, and have thus been able in a marked degree to improve the sanitary condition of a number of the buildings.

The progress made this year in the matter of protecting the health of the children while in school, gives promise that in the future our school buildings will rank among the most sanitary in the country.

We have also a number of private schools and colleges. The sanitary condition of these institutions, except in one or two marked instances, are, generally speaking, good; and of the modern-built buildings it may be said that they are of the most excellent and modern kind.

PRIVATE SCHOOLS AND COLLEGES.

Portland University.

St. Helen's Hall.

Holmes Business College.

Willamette University, Medical Department.

St. Mary's Academy.

St. Michael's College.

St. Joseph's Parochial School.

Portland Academy.

Oregon University, Medical Department.

“ “ Law “

Bishop Scott Academy.
Portland Business College.
Six Kindergarten Schools.

The following is a list of the side sewer connections made, and the names of the streets in which they are connected as represented by the permits taken out, and does not include connections made by sewer contractors, while they had the street excavated on special ordinances for the completion of contracts.

This total of 635 permits represents only the street connections, and does not represent the number of buildings connected. For example: block 75, East Portland, has but three connections made with the sewers, and there are fourteen houses in the block drained through these connections, and with very satisfactory results. The same may be said of a number of tenement house blocks. These 635 street connections will easily represent the drainage of 900 houses. The following are the streets, and the number of connections in each:

Adams street	2
Albina avenue	5
East Ash street	35
East Ankeny street	36
East Burnside	43
Benton street	8
Borthwick street	7
Cherry street	8
Curry street	7
Clackamas street	4
East Couch	16
Corbett street	7

East Davis	6
Delay street	2
East First	13
East Third	10
East Ninth	1
East Tenth	1
East Eleventh	1
Grand avenue	19
Goldsmith street	3
Halsey street	5
Hooker street	5
Portland heights	7
Knott street	6
Kelly street	4
East Tenth	2
Larrabee street	5
Mississippi avenue	7
Mitchell street	6
East Oak street	31
McMillen street	2
Pennoyer street	5
East Pine	34
Quimby	5
Russell street	7
Ross street	8
Randolph street	3
Sellwood	6
Stanton street	7
Union avenue	17
Victoria street	2
Wasco street	5
Wheeler street	7
Williams avenue	7
Whittaker street	4

Water street	4
Portland proper	182
Total,	635

The office for the regulation and inspection of plumbing and drainage has now been in operation two years, and the Common Council, during this time, has passed a number of sanitary ordinances with the sole purpose of protecting the health of our citizens, and to prevent as far as possible the spread of contagious and infectious diseases.

Diphtheria, malaria, measles, pneumonia, scarlatina, smallpox, typhoid fever, and many other contagious and infectious diseases, that germinate, thrive and grow to alarming proportions in unsanitary neighborhoods, and cause five or more deaths where one would occur under sanitary regulations, well enforced. These matters have been considered by our Council, and sanitary laws have been provided.

Under the constant care and operation of these ordinances, which are designed to regulate the removal of all garbage quickly and regularly beyond the city limits, to extend the sewer system, and to compel the connection of all buildings with these sewers, we are making great progress in the way of permanent sanitary improvements, which is shown by the one item of the connecting of 900 buildings during the year with the sewer systems.

Buildings fitted up in accordance with the sanitary laws, as passed by the Common Council, and which have been in operation during the past two years, are

pronounced by owners, agents and architects as most convenient, sanitary and satisfactory in every way.

We may add that during the past two years, the Common Council has put in force not only many spasmodic efforts to arouse our people from their disregard of well-known rules of cleanliness, sanitation and hygiene, which has been responsible for much sickness during the past; but many permanent and wholesome sanitary regulations and ordinances have been passed, such as cleanliness of streets, disposal of garbage, and the construction of a number of miles of permanent and costly sewers, and the connection of many hundred buildings, many of which were within the old sewer districts and had remained unconnected for years owing to the want of enforced sanitary ordinances, which the Council, during the past two years, have provided, after careful and painstaking study.

The placing of the Chief of Police at the head of the Health Department has been a great help to this department, and relieves us of many annoying complaints that are now given to the police officers on their respective beats.

Notwithstanding the close competition in the plumbing business and the general depression of trade, the licensed plumbers are in sympathy with all the ordinances tending to promote the sanitary welfare of the City, and comply cheerfully with the detail necessary to make their work comply with the ordinances.

Most respectfully submitted,

WM. H. CHAMBERS,

Inspector of Plumbing and Drainage.

December 31st, 1893.

Inventory of the property in the office of the Inspector of Plumbing and Drainage December 31st, 1893.

1 office table.	1 piece linoleum.
1 City map.	1 2-light gas fixture.
2 cuspidors.	3 office chairs.
2500 blanks of various kinds.	

STATEMENT

—OF—

RECEIPTS AND DISBURSEMENTS

BY THE BOARD OF

NEW CITY HALL COMMISSIONERS

OF PORTLAND OREGON.

From December 31, 1892, to March 31, 1893.

RECEIPTS.

1892		
Dec. 31.	Balance in city treasury new city hall fund..	\$ 362 76
1893		
Feb. 11.	Proceeds of \$25,000 City of Portland bonds dep'ted with City Treasurer, to-wit: face value of bonds.....	\$25,000 00
	Premium on same, at 45.22 per \$1,000.....	1,130 50
	Accrued interest Jan. 1st to Feb. 10th.	141 57
		<u>26,272 07</u>
	<i>Amount carried forward,</i>	<u>\$26,634 83</u>

<i>Amount brought forward, . . .</i>	\$26,634 83
Mar. 15. Received on account of material sold	500 00
Mar. 20. Proceeds of \$30,-000 city of Portland bonds depos'd with City Treas., to-wit: face val. of bonds.	30,000 00
Premium on same, at \$45.22 per \$1,000.	1,356 60
Accrued int. Jan. 1st to Mar. 20th.	327 34
	31,683 94
	\$58,818 77

DISBURSEMENTS.

Warrants drawn on City Treasurer.

1893	
Jan. 5. No. 81, favor A. Anderson & Co., bill lithographing and printing bonds.	\$ 170 00
Jan. 5. No. 82, favor Chas. Randolph, salary for Dec., 1892	50 00
Feb. 8. No. 83, favor Chas. Randolph, salary for January.	50 00
Feb. 11. No. 84, favor Whidden & Lewis, on acc't architect's fees and interest on same.	6,224 00
Feb. 15. No. 85, favor Rocheford, Gould & Gladden, estimate on contract work city hall.	12,000 00
<i>Amount carried forward,</i>	\$18,494 00

<i>Amount brought forward, . . .</i>	\$18,494 00
Feb. 25. No. 86, favor Whidden & Lewis, on acc't architect's fees	2,000 00
Mar. 4. No. 87, favor Chas. Randolph, salary for February. . . \$50 00	
Bill, letter heads and envelopes.	3 75
	53 75
Mar. 28. No. 88, favor Rocheford, Gould & Gladden, estimate work on contract city hall.	27,000 00
Mar. 31. Balance in city treasury new city hall fund.	11,271 02
	\$58,818 77

W. M. LADD,

Chairman of Commission.

Attest:

CHAS. RANDOLPH, *Clerk.*

STATEMENT OF RECEIPTS AND DISBURSEMENTS FROM MARCH 31ST TO JUNE 31ST, 1893.

RECEIPTS.

1893	
Mar. 31. Bal. in city treasury as per statement.	\$11,271 02
May 20. Proce'ds \$25,000 city of Portland bonds deposited with City Treasurer, to-wit, face val. of bonds. \$25,000 00	
<i>Amounts carried forward,</i>	\$25,000 00 \$11,271 02

Amounts brought forward, \$25,000 00 \$11,271 02

Prem. on same at \$45.22
 per \$1,000 1,130 50
 Accr. int. Jan. 1 to date 483 43
 ----- 26,613 93

June 15. Proc'eds \$50,000 city
 of Portland bonds deposited
 with City Treasurer,
 to-wit, face val of bonds. 50,000 00
 Prem. on same at \$45.22
 per \$1,000 2,261 00
 Accr. int. Jan. 1 to date 1,146 41
 ----- 53,407 41

\$91,292 36

DISBURSEMENTS.

Warrants drawn on City Treasurer.

Apr. 7. No. 89, favor C. Ran-
 dolph for salary \$ 50 00
 May 4. No. 90, " " \$50 00
 For P.O. cards &
 printing same... 2 25 52 25
 May 26. No. 91, favor Roche-
 ford, Gould & Gladden,
 estim. on contr. N. C. H. 37,500 00
 June 7. No. 92, favor C. Ran-
 dolph for salary 50 00
 June 28. No. 93, favor Whid-
 den & Lewis, on account
 architect fees 2,500 00
 Balance in city treasury 51,140 11

\$91,292 36

W. M. LADD,
Chairman of Commission.

Attest:
 CHAS. RANDOLPH,
Clerk of Commission.

STATEMENT OF RECEIPTS AND DISBURSEMENTS FROM
 JUNE 30TH TO SEPTEMBER 30TH, 1893.

1893

June 30. Bal. in city treasury
 as per statement this
 date..... \$51,140 11

July 24. Proceed's \$50,000 city
 of Portl'd bonds, deposi-
 ted with City Treasurer,
 to-wit, face val. of bonds. \$50,000 00
 Prem. on same \$45.22
 per \$1,000 2,261 00
 Acc'd int. July 1 to July 20 135 87
 ----- 52,396 87

Sept. 12. Received on account
 material sold..... 100 00

 \$103,636 98

DISBURSEMENTS.

Warrants drawn on City Treasurer.

July 6. No. 94, favor Roche-
 ford, Gould & Gladden,
 estimate on contr. work
 new City Hall..... \$15,000 00
 July 8. No. 95, favor Chas. Ran-
 dolph, salary for June.. 50 00
 Aug. 2. No. 96, favor Roche-
 ford, Gould & Gladden,
 estimate on contr. work
 new City Hall..... 25,000 00

Amount carried forward, ... \$40,050 00

<i>Amount brought forward</i> ,.....		\$40,050 00
Aug. 11. No. 97, favor Chas. Randolph, salary for July..	50 00	
Aug. 14. No. 98, favor Rocheford, Gould & Gladden, estimate on contr. new City Hall.....	10,000 00	
Aug. 25. No. 99, favor Rocheford, Gould & Gladden, estimate on contr. new City Hall.....	45,000 00	
Aug. 31. No. 100, favor Morning Oregonian, advert. for proposals.	40 50	
Sept. 5. No. 101, favor Chas. Randolph, sal. for Aug.	50 00	
Sept. 30. No. 102, favor Rocheford, Gould & Gladden, estimate on contract new City Hall.....	7,000 00	
	<hr/>	\$102,190 50
Sept. 30. Bal. in city treasury, new City Hall Fund....	1,446 48	
	<hr/>	\$103,636 98

W. M. LADD,
Chairman of Commission.

Attest:
CHAS. RANDOLPH,
Clerk.

STATEMENT OF RECEIPTS AND DISBURSEMENTS FROM
SEPTEMBER 30TH TO DECEMBER 31ST, 1893.

RECEIPTS.

1893.		
Sept. 30. Bal. in city treasury as per statement this date	\$	1,446 48
Oct. 13. Proceeds \$10,000 city of Portland bonds, face value of bonds.....	\$10,000 00	
Prem. at \$45.22 per \$1,000	452 20	
Accr'd int. from July 1..	82 93	
	<hr/>	10,535 13
Nov. 2. Proceeds \$40,000 city of Portland bonds, face value of bonds.....	40,000 00	
Prem. at \$45.22 per \$1,000	1,808 80	
Accr'd int. from July 1.	475 55	
	<hr/>	42,284 35
Dec. 2. Proceeds \$50,000 city of Portland bonds, face value of bonds.....	50,000 00	
Prem. at \$45.22 per \$1,000	2,261 00	
Accr'd int. from July 1..	836 91	
	<hr/>	53,097 91
Dec. 14. Proceeds \$50,000 city of Portland bonds, face value of bonds.....	50,000 00	
Prem. at \$45.22 per \$1,000	2,261 00	
Accr'd int. from July 1..	1,050 24	
	<hr/>	53,311 24
	<hr/>	\$160,675 11

DISBURSEMENTS.

By Warrants drawn on City Treasurer.

Oct. 14. No. 103, favor Whidden & Lewis, expen. to Waterfall, Wy	\$ 147 80
Oct. 16. No. 104, favor Chas. Randolph, Sept. salary	50 00
Nov. 6. No. 105, favor Chas. Randolph, Oct. salary	50 00
Nov. 29. No. 106, favor Whidden & Lewis, on acct. arch't's fees	1,000 00
Dec. 7. No. 107, favor Roche- ford, Gould & Gladden, est. on contract new City Hall . .	45,000 00
Dec. 7. No. 108, favor Chas. Randolph, Nov. salary	50 00
Dec. 20. No. 109, favor H. P. Gregory & Co., est. on contr. new City Hall	2,650 00
Dec. 30. No. 110, favor Chas. Randolph, Dec. salary	50 00
	48,997 80

Balance in the city treasury this date. . . . \$111,677 31

W. M. LADD,
Chairman of Commission.

Attest :

CHAS. RANDOLPH,
Clerk.

STATEMENT

—OF—

RECEIPTS AND DISBURSEMENTS

OF THE

BRIDGE COMMITTEE

OF THE CITY OF PORTLAND.

From December 31st, 1892, to March 31st, 1893.

RECEIPTS.

Total receipts to Dec. 31, 1892.	\$207,075 75
1893	
Jan. 18. Rent of office Madison bridge	\$ 30 00
Jan. 20. Sale of old iron	8 00
Jan. 30. Rent of Madison st. bridge Nov. and Dec., 1892	200 00
Feb. 7. Sale of rope	11 40
Feb. 28. Rent of office Madison bridge	30 00
	279 40
	\$207,355 15

DISBURSEMENTS.

1893 BY WARRANTS DRAWN ON TREASURER.
 Nos. 165 to 241, inclusive.....\$186,081 33
 Balance in treasury..... 21,273 82

 \$207,355 15

M. C. GEORGE,
Chairman of Committee.

Attest:

E. A. KING, *Clerk.*

RECEIPTS AND DISBURSEMENTS OF PORTLAND BRIDGE
 COMMITTEE FROM APRIL 1, TO JUNE 30, 1893.

RECEIPTS.

1893.
 April 1. Balance on hand as
 per statement.....\$ 21,273 82
 Less error in cr'dt
 for rent, Dec. 19,
 1892.....\$90 00
 Should have been 60 00
 _____ 30 00
 _____\$ 21,243 82
 April 29. Proceeds \$100,000
 of bonds, par value.... 100,000 00
 April 29. Accrued int. Jan.
 1st to May 1st..... 1,666 66
 _____ 101,666 66
 April 29. Collected back from
 Chemical Nat'l Bank, N.
 Y., error in comm.
 charge..... 2 50

 Amount carried forward,\$122,912 98

Amount brought forward,\$122,912 98
 June 10. Proceeds \$50,000 of
 bonds par value..... 50,000 00
 Less interest June 10 to
 July 1 on acct detached
 coupons..... 138 88
 _____ 49,861 12
 June 12. Collected from Hon-
 eyman DeHart & Co. for
 error in bills paid. 3 15

 \$172,777 25

DISBURSEMENTS.

By Warrants drawn on Treasurer.

1893
 Nos. 242 to 313 inclusive....\$143,345 48
 Balance in treasury..... 29,431 77
 _____ 172,777 25

The above payments in detail were :
 For acct of Burnside st bridge.\$132,008 09
 " Albina ferry..... 161 55
 " Repairs Madison street
 bridge..... 146 52
 " Operating Madison st
 bridge..... 1,136 02
 " Operati'g Albina ferry 1,600 25
 " Interest 7,640 75
 " Engineering expenses. 606 50
 " General expenses.... 45 80
 _____ 143,345 48

M. C. GEORGE,
Chairman of Committee.

Attest:

E. A. KING, *Clerk.*

RECEIPTS AND DISBURSEMENTS OF PORTLAND BRIDGE
COMMITTEE FROM JUNE 30, TO SEP. 30, 1893.

RECEIPTS.

1893	
June 30. Balance in treasury as per report.....	\$ 29,431 77
July 24. Proceeds of \$50,000 bonds par value.....	\$50,000 00
Accrued interest July 1 to July 20.....	138 89
	<hr/> 50,138 89
Aug. 15. Collected of East Side Railway on acct of use of Madison st bridge	100 00
Aug. 16. Collected additional accrued interest on bonds not paid when due.....	15 59
Sep. 5. Collected on acct tele- phone privilege Madison st bridge.....	6 00
Sep. 5. Proceeds \$25,000 bonds par value.....	25,000 00
Accrued interest July 1 to Sep. 5,.....	217 36
	<hr/> 25,217 36
Sep. 16. Proceeds \$25,000 b'ds par value.....	25,000 00
Accr. int. July 1 to Sept. 16	265 68
	<hr/> 25,265 68
	<hr/> \$130,175 29

DISBURSEMENTS.

By Warrants drawn on Treasurer.

1893	
Nos. 315 to 406, inclusive....	\$ 66,337 93
Sep. 30. Balance in treasury.	63,837 36
	<hr/> \$130,175 29

The above payments in detail were:

For acct Burnside street bridge.	\$60,533 98	
“ Operating Albina ferry	2,400 00	
“ “ Madison st bridge	1,169 88	
“ Repairs “ “	1,461 40	
“ Engineering expenses..	609 70	
“ General expenses.....	162 97	
	<hr/> 66,337 93	

M. C. GEORGE,

Chairman of Committee.

Attest:

E. A. KING, *Clerk.*STATEMENT OF RECEIPTS AND DISBURSEMENTS FROM
SEPTEMBER 30TH TO NOVEMBER 28TH, 1893.

BRIDGE FUND.

RECEIPTS.

1893.	
Sept. 30. Bal. in treas. per quar- terly statement.....	\$63,837 36
Oct. 19. Proceeds \$46,000 city bonds, face value \$46,000 00	
Accrued interest.	670 81
	<hr/> 46,670 81
Nov. 1. Rec'd on acc. advances to Ferry Fund.....	3,534 17
“ 22. Rec'd bal. “ “	1,500 00
	<hr/> 115,542 34

DISBURSEMENTS.

1893.

By warrants drawn on the treas.		
Nos. 407 to 475 inclusive...	\$42,510 26	
Nov. 7. Allow'd E. H. Rollins & Sons rebate on acc't. int. paid	24 42	
" 28. Warr. No. 476, trans. bal. to treasurer B'dge Com.	73,007 66	
		115,542 34
The above payments in detail were—		
For acc. of Burnside st. b'dge	\$40,176 59	
repairs Madison st. b'dge..	341 24	
operating expenses " ..	687 30	
" Albina ferry, Sept	800 00	
engineering expenses.....	402 43	
general expenses.....	102 70	
rebate int. to E. H. Rollins & Sons.....	24 42	
paid over to Bridge Com. . .	73,007 66	
		\$115,542 34

FERRY FUND.

RECEIPTS.

1893.

Nov. 1. Proc'ds \$25,000 bonds		
Face val. \$25,000 00		
Premium 95 00		
Accr'd int 102 74		
		\$25,197 74
Nov. 22. Proc'ds \$25,000 bonds		
Face val. \$25,000 00		
Premium 1,602 00		
Accr'd int 174 65		
		\$26,776 65
		\$51,974 39

DISBURSEMENTS.

Pd pur. price ferry -	\$20,000 00
Interest on same ---	588 33
	\$20,588 33

Paid interest on advance from—

Bridge fund -----	68 62
Paid insurance ferry boat ----	50 00
" printing bonds -----	160 00
" adv. for prop'ls for bonds	47 50
" telegraph on acc't bonds	5 95
" operating ferry for Oct..	800 00
" for signs at ferry -----	12 00
" bridge fund for advances	

made ----- 4,965 55

Transferred bal. to treasurer
of bridge commission ----- 25,281 44

51,974 39

M. C. GEORGE,

*Chairman of Committee.*E. A. KING, *Clerk.*

Portland, Or., Nov. 28th, 1892.

QUARTERLY REPORT
OF THE
PORTLAND BRIDGE COMMISSION,
FOR THE

For the fractional quarter, November 27, 1893 (the date of the formation of the Commission), to December 31, 1893.

BRIDGE FUND.

Nov. 27.	In hands of the Treasurer, Wm. M. Ladd, -----	\$ 73,007 66	
	Paid out—		
	Gen'l exps. acct, \$	51 45	
	Engineering ex.,	202 00	
	Burnside bridge expense acct..	466 00	
	Burnside bridge on contract....	11,054 80	
	Madison bridge operating exp.	397 87	
	Repairs.....	93 90	
	Bal. in Treasury,	60,741 64	
		\$73,007 66	\$73,007 66

ALBINA FERRY.

Nov. 27.	In Treasury.....	\$25,281 44	
	Paid operating ex. for Nov.....	\$ 800 00	
	Bal. in Treasury..	24,481 44	
		\$25,281 44	\$25,281 44

BALANCES.

1893	<i>Bridge Committee.</i>		
Nov. 27.	Bridge Fund, in hands of Treas. Wm. M. Ladd,	\$73,007 66	
	<i>Ferry Fund.</i>		
Nov. 27.	In hands of Treas. Wm. M. Ladd,	\$25,281 44	
	Paid interst acct.	10,158 41	
	Paid expnse acct.	4,170 77	
	Paid engin'g acct.	3,960 14	
	Madison st br'dge	145,567 75	
	Albina ferry....	19,118 56	
	Burnside b'dge ex. incl'dg east side approach.....	15,337 88	
	Burnside bridge on contract....	235,129 83	
	Madison bridge operating exp.	6,253 10	
	Repairs.....	6,414 46	
	Albina Ferry op- erating expens.	5,600 00	
		\$550,000 00	
	Amount of bonds issued,		\$550,000 00

J. L. SPERRY,

Chairman Bridge Commission.

T. W. PITTENGER,

Clerk Bridge Commission.

REPORT OF THE
WATER COMMITTEE OF THE CITY OF PORTLAND,

—OF THE—

RECEIPTS AND DISBURSEMENTS

—FROM—

January 1st to March 31st, 1893.

GENERAL ACCOUNT.

1892.

Dec. 31. Cash in hands of treas. per report
this date.....\$ 4 74

RECEIPTS.

1893.

Jan. 31.	Cash from opert'g dept.	\$15,000 00	
Feb. 13.	“ “ “	10,000 00	
“ 28.	“ “ “	3,000 00	
Mar. 31.	“ “ “	13,500 00	
“ 31.	“ Kiernan, Kern & Church for old pump. . .	125 00	
			<u>41,625 00</u>
			\$41,629 74

EXPENDITURES.

Clearing and Roads

Part of vchr 396. City W. W. per cert. vchrs & pay rolls paid in January	\$	244	38
" 403. City " " Feb.		790	06
" 404. City " " Mar.		5,948	78
	\$	6,983	22

Surveys and Explorations.

Part of vchr 396. City W. W. per cert. vouchers paid in Jan.		9	10
" 403. City " " Mar.		137	80
	\$	146	90

Reservoir.

Vouch. 397. B. Lamberson for 5.82 a. in Mt. Tabor park.	\$	9,500	00
" 398. " " 0.29 a. "		1,150	00
" 399. Hattie Vail for 0.90 a. in Mt. Tabor park		1,000	00
" 400. Title Guarantee and Trust Co., abstracts of title		85	00
" 401. B. Lamberson for serv. obtain. rights of way		25	00
Part of vchr 404. City W. W. per certified vchrs paid in Mar.		573	10
	\$	12,333	10

Amount carried forward, \$19,463 22

Amount brought forward, . . . \$19,463 22

Distribution System,

Vchr 402 Oregon Iron & Steel Co, cast iron pipe 315.435 tons at \$39	\$12,301	96
cast iron specials 5,465 lbs at 3¼c.	177	61
	\$12,479	57
Part of vchr 404 City W. W. per cert. vchrs paid in Mar.	833	38
	\$13,312	95

Head Works.

Part of vchr 404 City W. W. per cert. vchrs paid in Mar.	\$	38	58	\$	38	58
--	----	----	----	----	----	----

Bridges.

Part of vchr 404. City W. W. per cert. vouchers paid in Mar.	\$	340	00	\$	340	00
--	----	-----	----	----	-----	----

General Expense.

Part of voucher 396 City water works per certified vouchers paid in January	\$	24	65
Part of voucher 403 City water works per certified vouchers paid in February	796	95	
Part of voucher 404 City water works per certified vouchers paid in March	204	66	
Voucher 405 F. T. Dodge services as clerk in Jan., Feb. and March	150	00	
	\$	1,176	26

Amount carried forward, \$34,331 01

RECAPITULATION—"GENERAL ACCOUNT."

Bal. in hands of treas. on Dec.		
31, '92 as above	4	74
Receipts from Jan. 1 to Mar.		
31, 1893, inclusive	41,625	00
		<u>\$41,629 74</u>

DISBURSEMENTS.

Clearing and roads	\$ 6,983	22
Surveys and explorations	146	90
Reservoirs	12,333	10
Distribution system	13,312	95
Head works	38	58
Bridges	340	00
General expense	1,176	26
		<u>34,331 01</u>

Balance in hands of treas. Mar.		
31, 1893	\$ 7,298	73

OPERATING ACCOUNT.

RECEIPTS.

From city for am't charged for park in Dec. '92.	\$	29	45
<i>Water rates—</i>			
Am'ts earned and cred- ited on books.	\$60,171	55	
Deduct bal. due from city for Jan. Feb. and March.	4,885	30	
		<u>55,286</u>	25
<i>Amount carried forward, ...</i>	\$55,315	70	

<i>Amount brought forward,</i>	\$55,315	70
Tapping mains.	72	00
Turning on water.	52	50
Rent of dwelling at 8th st Res. for Jan., Feb. and March.	11	75
W. F. Dugan, connecting sam- ple fire hydrant, labor and material.	39	95
Donnerberg & Co., connecting 3 fire hydrants in East Portland, tapping, etc.	87	70
		<u>\$55,579 60</u>

DISBURSEMENTS.

Palatine pumping station, fuel, wages, repairs, etc.	\$ 5,846	67
High service station, fuel, wages, repairs, etc.	1,713	06
Repairs to mains, labor and ma- terial.	1,123	96
General expense labor and ma- terial.	2,441	95
Office expense, salaries, rent, fuel, etc.	1,502	15
Books and stationery, sundries .	166	20
Meters, new meters.	781	52
Office furniture, chairs.	20	00
		<u>\$13,595 51</u>

Am't paid to general account Jan. 31. .	\$15,000	00
Am't paid to general account Feb. 14. .	10,000	00
	25,000	00

Amount carried forward, ... \$38,595 51

Amount brought forward,... \$38,595 51

Am't paid to general account Feb. 28...	3,000 00	
Am't paid to general account March 31.	13,500 00	
	<u>16,500 00</u>	
		<u>\$55,095 51</u>

Bal. in hands of operating dpart. March 31,
1893.....\$ 484 09

HENRY FAILING,
Chairman.

FRANK T. DODGE, *Clerk.*

REPORT OF THE WATER COMMITTEE

OF THE

CITY OF PORTLAND,

Of the Receipts and Disbursements from April 1 to June 30, '93

GENERAL EXPENSE.

Mar. 31. Cash in hands of Treas. per report this date,	\$ 7,298 73
---	-------------

RECEIPTS.

Apr. 29. Cash from oper'tg dept.	\$14,000 00	
May 31. " " "	15,000 00	
June 30. " " "	11,000 00	
" 30. " " "	4,500 00	\$44,500 00
		<u>\$51,798 73</u>

DISBURSEMENTS.

Distribution System.

Part of Voucher 406 City Water Works, per certifi'd vouchers and pay roll paid in April..	\$ 794 40	
Part of Voucher 412 City Water Works, per certifi'd vouchers and pay roll paid in May---	124 00	
Part of Voucher 418 City Water Works, per certifi'd vouchers and pay roll paid in June---	249 30	
	<u>1,167 70</u>	

General Expense.

Part of voucher 406 City Water Works, per certifi'd vouchers and pay roll paid in April..	383 13	
Voucher 411, Jas. D. Schuyler consult'g engineer, 2 weeks' service, paid June 13th ----	1,200 00	
Part of Voucher 412 City Water Works, per certifi'd vouchers and pay roll paid in May---	764 69	
Voucher 417, Frank T. Dodge services as clerk during April May and June -----	150 00	
Part of Voucher 418 City Water Works, per certifi'd vouchers and pay roll paid in June---	540 97	
	<u>3,038 79</u>	
<i>Amount carried forward,.....</i>		\$4,206 49

Amount brought forward, \$ 4,206 49

Reservoirs.

Part of Voucher 406 City Water Works, per certifi'd vouchers and pay roll paid for April..	\$ 344 44
Part of Voucher 412 City Water Works, per certifi'd vouchers and pay roll paid for May..	354 23
Part of Voucher 418 City Water Works, per certifi'd vouchers and pay roll paid for June..	552 50
	————— \$ 1,251 17

Surveys and Explorations.

Part of Voucher 406 City Water Works, per certifi'd vouchers and pay roll paid for April..	\$ 225 00
Part of Voucher 412 City Water Works, per certifi'd vouchers and pay roll paid for May..	91 00
Part of Voucher 418 City Water Works, per certifi'd vouchers and pay roll paid for June..	45 50
	————— \$ 361 50

Rights of Way, Riparian Rights and Land.

Voucher 407 Land Ag't of Ore. and Cal. R. R., final paym't on contract	\$ 1,114 85
Voucher 408 Land Ag't of Ore. and Cal. R. R., final paym't	463 95
	————— \$ 1,578 80

Amount carried forward, \$ 7,397 96

Amount brought forward, \$ 7,397 96

Head Works.

Part of voucher 406 City water works per certified vouchers and pay roll paid for April	\$ 287 05
Voucher 409 J. M. Leavens per contract	2,237 81
Part of Voucher 412 City water works per certified vouchers and pay roll paid for May	466 75
Voucher 413 J. M. Leavens per contract	4,911 14
Part of voucher 418 City water works per certified vouchers and pay roll paid for June	309 30
	————— \$ 8,212 05

Clearing and Roads.

Part of voucher 406 City water works per certified vouchers and pay roll for April..	2,097 60
Voucher 410 S. B. Califf, treas. Clackamas county, account bridge Sandy river	2,400 00
Part of voucher 412 City water works per certified vouchers and pay roll for May...	553 70
Part of voucher 418 City water works per certified vouchers and pay roll for June ..	745 52
	————— \$ 5,796 82

Amount carried forward, \$21,406 83

Amount brought forward,\$21,406 83

Steel Plates.

Part of voucher 412 City water works per certified vouchers and pay roll for May ...	218 35	
Voucher 414 Risdon Iron and Loco. Works per contract ..	9,787 08	
Part of voucher 418 City water works per certified vouchers and pay roll for June ..	151 34	
		\$10,156 77

Manufacturing and Laying Steel Conduit.

Part of voucher 412 City water works per certified vouchers and pay roll for May ...	657 00	
Part of voucher 418 City water works per certified vouchers and pay roll for June ..	910 60	
		\$ 1,567 60

Telephone Line.

Voucher 416 Geo. F. Huesner, services superint'ing building the line	\$ 200 00	
		\$ 200 00

Interest on Bonds.

Voucher 415 Frank Hachenev, city treasurer, amt. deposited with him June 30, 1893, for six months' int. on \$700,000 bonds to date	\$17,500 00	
		\$17,500 00

Total disbursements.....\$50,831 20

RECAPITULATION—GENERAL ACCOUNT.

Balance in hands of Treasurer on March 31, '93, as above ..	\$ 7,298 73
Receipts from April 1 to June 30, 1893, inclusive.....	44,500 00
	\$51,798 73

DISBURSEMENTS.

Distribution system.....	\$ 1,167 70
General expense.....	3,038 79
Reservoirs.....	1,251 17
Survey and exploration.....	361 50
Rights of way, riparian rights and land.....	1,578 80
Head works.....	8,212 05
Clearing and roads.....	5,796 82
Steel plates.....	10,156 77
Manufacture and laying steel conduit.....	1,567 60
Telephone line.....	200 00
Interest on bonds.....	17,500 00
	50,831 20

Bal. in hands of treasurer June 30, '93...\$ 967 53

OPERATING ACCOUNT FOR THE QUARTER.

Balance in hands of operating department March 31, '93...	\$ 484 09
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Amount carried forward,\$484 09

Amount brought forward,..... \$ 484 09

RECEIPTS.

From city for am't charged prior
to this quarter..... \$ 180 55
Water rates—
Am'ts earned and cr'd
on books..... \$62,474 25
Deduct bal. due from
city April, May
and June..... 5,048 50
57,425 75
Tapping mains..... 76 00
Turning on water..... 102 00
Rent of dwelling at 8th st reser-
voir..... 15 00
57,799 30

\$58,283 39

DISBURSEMENTS.

Palatine pumping station, fuel,
wages, repairs, etc..... \$ 5,580 56
High service pumping station,
fuel, wages, repairs, etc..... 1,710 34
Repairs to mains, labor and ma-
terial..... 1,157 71
General expense, labor and ma-
terial..... 2,750 76
Office expense, salaries, rent,
fuel, etc..... 1,487 80
Books and stationery, sundries. 69 55
Loose property, sundries 662 35
\$13,419 07

Amount carried forward,.... \$ 13,419 07

Amount brought forward, .. \$13,419 07

Am't paid to general
ac't April 29..... \$14,000 00
Am't paid to general
ac't May 31..... 15,500 00
Am't paid to general
ac't June 30..... 15,500 00
44,500 00
57,919 07

Bal. in hands of operat'g dept. June 30, '93. \$ 364 32

HENRY FAILING,

Chairman.

FRANK T. DODGE,

Clerk.

REPORT OF THE WATER COMMITTEE
OF THE
CITY OF PORTLAND.

Of the Receipts and Disbursements from July 1 to Sept. 30, '93

GENERAL ACCOUNT.

1893.

June 30. Cash in hands of treas. per report
this date..... \$ 967 53

RECEIPTS.

July 3. Cash from operat'g dept \$ 3,000 00
July 20. " " " 10,000 00
July 20. 50 bonds (1 to 50) sold
N. W. Harris & Co. at par.. 50,000 00

Amounts carried forward,.... \$63,000 00 \$ 967 53

<i>Amounts brought forward,</i>	\$63,000 00	\$	967 53
July 20. Accrued int. on ditto.	116 44		
July 31. Cash from operating department.....	3,500 00		
Aug. 7. 15 bonds (100 to 115) sold N.W. Harris & Co. at par	15,000 00		
Aug. 7. Accrued int. on ditto.	72 92		
Aug. 12. 50 bonds (51 to 100) sold N. W. Harris & Co. at par.....	50,000 00		
Aug. 12. Accru'd int. on ditto	239 73		
Aug. 21. Cash from operating department.....	10,000 00		
Aug. 23. 15 b'nds (116 to 130) sold N.W. Harris & Co. at par	15,000 00		
Aug. 23. Accru'd int. on ditto	98 63		
Aug. 30. 1 bond (131) sold N. W. Harris & Co. at par	1,000 00		
Aug. 30. Accru'd int. on ditto	8 22		
Aug. 31. 7 bonds (132 to 138) sold N. W. Harris at par ...	7,000 00		
Aug. 31. Accru'd int. on ditto	58 50		
Aug. 31. Cash from operating department.....	4,500 00		
Sep. 1. 12 bonds (139 to 150) sold N. W. Harris at par ...	12,000 00		
Sep. 1. Accru'd int. on ditto.	103 33		
Sep. 20. 100 b'nds (151 to 250) sold N. W. Harris & Co. at 2½ per cent. discount.	100,000 00		
Sep. 20. Accru'd int. on ditto	1,109 59		

Amounts carried forward, \$282,807 36 \$ 967 53

<i>Amounts brought forward,</i>	\$282,807 36	\$	967 53
Sep. 20. Cash from operating department.....	8,000 00		
Sep. 30. Cash from operating department.....	6,000 00		
			296,807 36
			\$297,774 89

DISBURSEMENTS.

Clearing and Roads.

Part of voucher 425 City water works, per certified vouchers and pay rolls	\$	52 50
Voucher 430 Ewing & Normile per contract		1,300 00
Voucher 431 Ewing & Normile per contract		155 03
Part of voucher 435 City water works per certified vouchers and payrolls.....		589 00
Voucher 435½ Ewing & Normile per contract		535 47
Part of voucher 445 City water works per certified vouchers and payrolls.....		183 50
		\$ 2,815 50

Manufacture and Laying Street Conduit.

Voucher 421 Hoffman & Bates per contract	\$	5,208 17
Part of voucher 425 City water works per certified vouchers and payrolls.....		974 29

Amounts carried forward, .. \$ 6,182 46 \$ 2,815 50

Amounts brought forward, . . . \$ 6,182 46 \$2,815 50

Voucher 429 Hoffman & Bates per contract	45,940 77	
Part of voucher 433 Hoffman & Bates per voucher extra work	118 20	
Part of voucher 434 Hoffman & Bates per voucher extra work	1,365 76	
Part of voucher 435 City wat- er works per certified vouch- ers and payrolls	1,154 99	
Voucher 437 Hoffman & Bates per contract	66,806 85	
Voucher 442 Hoffman & Bates per voucher extra work	292 27	
Part of voucher 445 City wat- er works per certified vouch- ers and payrolls	1,457 92	
	<hr/>	123,319 22

Reservoirs.

Voucher 423 S. W. Ramsey per contract	306 50
Voucher 424 S. W. Ramsey per contract	156 00
Part of voucher 425 City wat- er works per certified vouch- ers and payrolls	125 00
Voucher 426 S. W. Aldrich per contract	570 85

Amounts carried forward, . \$ 1,158 35 \$126,134 72

Amounts brought forward, . . \$1,158 35 \$126,134 72

Part of voucher 435 City wat- er works per certified vouch- ers and payrolls	399 00	
Voucher 441 James A. Mun- day per voucher	450 00	
Part of voucher 445 City wat- er works per certified vouch- ers and payrolls	191 70	
	<hr/>	2,199 05

General Expense.

Part of voucher 425 City wat- er works per certified vouch- ers and payrolls	1,027 67	
Voucher 432 American Bank Note Co. per voucher	1,200 00	
Part of voucher 435 City wat- er works per certified vouch- ers and payrolls	721 71	
Voucher 444 Frank T. Dodge per services clerk July, August and September	150 00	
Part of voucher 445 City wat- er works per certified vouch- ers and payrolls	689 15	
	<hr/>	3,788 53

Distribution System.

Part of voucher 425 City wat- er works per certified vouch- ers and payrolls	353 56	
Part of voucher 435 City wat- er works per certified vouch- ers and payrolls	184 74	
	<hr/>	538 30

Amount carried forward, \$132,660 60

Amount brought forward, \$132,660 60

Submerged Pipes.

Part of Voucher 445 City Water Works, per voucher type-writing contract. \$ 6 05 6 05

Bridges.

Part of voucher 435 City Water Works, per certified vouchers and payrolls. \$ 225 00
 Voucher 438 the Bullen Bridge Co. per contract. 3,478 82
 Voucher 439 the Bullen Bridge Co. per extra work. 418 15
 Voucher 443 the Bullen Bridge Co. per extra work. 53 53
 Part of voucher 445 city water works, per certified vouchers and payrolls. 90 40
 _____ 4,265 90

Telephone Line.

Voucher 419 Stillwell & Garven per contract. \$ 3,000 00
 Voucher 422 Stillwell & Garven 3,399 50
 Part of voucher 425 city water works per certified vouchers and payrolls. 40 93
 Part of voucher 435 city water works per certified vouchers and payrolls. 146 90
 Part of voucher 445 city water works per certified vouchers and payrolls. 10 15
 _____ 6,597 48

Amount carried forward, \$143,530 03

Amount brought forward, \$143,530 03

Head Works.

Voucher 419½ J. M. Leavens per contract. \$ 5,456 37
 Part of voucher 425 city water works per certified vouchers and payrolls. 386 27
 Voucher 427 J. M. Leavens per contract. 3,911 87
 Part of voucher 435 city water works per certified vouchers and payrolls. 655 10
 Voucher 440 J. M. Leavens per contract. 4,273 49
 Part of voucher 445 city water works per certified vouchers and payrolls. 1,110 51
 _____ 15,793 61

Steel Plates.

Voucher 420 Risdon Iron & Loco. Works per contract. . \$34,696 31
 Part of voucher 425 city water works per certified vouchers and payrolls. 457 48
 Voucher 428 Risdon Iron & Loco. Works per contract. . 38,458 87
 Part of voucher 435 city water works per certified vouchers and payrolls. 419 82

Amounts carried forward, . . \$74,032 48 \$159,323 64

Amounts brought forward, \$74,032 48 \$159,323 64

Voucher 436 Risdon Iron & Loco. Works per contract..	47,127 58	
Part of voucher 445 city water works per certified vouchers and payrolls.....	458 96	
		121,619 02

Premium on Bonds.

Being 2½ per cent. discount on \$100,000 bonds, sold to N. W. Harris & Co., Sep. 30, '93	2,500 00	
		\$283,442 66

RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of the treas'r on June 30, 1893, as above,\$	967 53	
Cash from operating dept. dur- ing the quarter.....	45,000 00	
150 bonds (Nos. 1 to 150), sold at par	\$150,000 00	
Par value 100 bonds (151 to 250) sold at 2½ per cent. disc't 100,000 00-250,000 00		
Acru'd int'st on above bonds	1,807 36	\$297,774 89

DISBURSEMENTS.

Clearing and Roads.....\$	2,815 50
Mfg. and laying steel conduit	123,319 22
Reservoirs	2,199 05
General expense	3,788 53

Amount carried forward, \$132,122 30

Amounts brought forward, \$132,122 30

Distribution system	538 30	
Submerged pipes	6 05	
Bridges	4,265 90	
Telephone line	6,597 48	
Head works	15,793 61	
Premium on bonds	2,500 00	
Steel plates	121,619 02	
		\$283,442 66

Bal. in hands of treasurer Sept. 30, '93, \$ 14,332 23

OPERATING ACCOUNT FOR THE QUARTER.

Bal. in hands operating dept. June 30, '93 \$ 364 32

RECEIPTS.

From city, for amts. charged prior to this quarter	\$ 95 85	
<i>Water rates—</i>		
Amounts earned and credited on the books	\$67,403 50	
Ded'ct bal. due from city for quarter	6,810 55	
		60,592 95
Tapping mains	53 00	
Turning on water	89 50	
Rent of dwelling at 8th st reservoir	15 00	
Fire depart, cost, labor and material, connecting new fire hydrants	925 00	
		61,771 30
		\$ 62,135 62

DISBURSEMENTS.

Palatine pumping station, fuel, wages, repairs, etc	\$ 7,802 28	
High service pumping station, fuel, wages, repairs, etc	2,103 63	
Repairs to mains, labor and material	1,495 54	
General expense, labor and material	2,776 09	
Office expense, salaries, rent, fuel, etc	1,625 43	
Books and stationery, sundries	91 33	
Office furniture, sundries	7 50	
Loose property, sundries	444 85	
Meters, sundries	585 97	
	<hr/>	
	16,932 62	
Am't p'd to gen. acct. in July	\$16,500	
Am't p'd gen'l acct in August	14,500	
Am't p'd gen'l acct in September	14,000	
	<hr/>	
	45,000 00	
	<hr/>	
	61,932 62	
Bal. in hands of operating de- partment Sep. 30, 1893	\$ 203 00	

HENRY FAILING,
Chairman.

FRANK T. DODGE,
Clerk.

REPORT OF THE WATER COMMITTEE
OF THE
CITY OF PORTLAND.

Of the Receipts and Disbursements from Sep. 30 to Dec. 31, '93

GENERAL ACCOUNT.

1893

Sep. 30. Cash in hands of treasurer per
report this, date \$ 14,332 23

RECEIPTS.

Oct. 20. Par value 25 bonds (251 to 275) sold N. W. Har- ris & Co., 2½ per cent. disc't.	\$25,000 00
Oct. 20. Accru'd int. on ditto	376 70
Oct. 20. Money borrowed at 7 per cent. int. per ann. to pay contractors	50,000 00
Oct. 31. Cash from operating department.	13,500 00
Nov. 14. Par value 50 bonds 276 to 325, sold to N. W. Har- ris & Co., 2½ per cent. disc't.	50,000 00
Nov. 14. Accru'd int. on ditto	924 66
Nov. 18. Par value 25 bonds, 326 to 350, sold to N. W. Har- ris & Co., at 2½ per cent. disc't	25,000 00
Nov. 18. Accru'd int. on ditto	479 45
Nov. 29. Cash from operating department.	12,000 00
Dec. 1. Par value 50 bonds 351 to 400, sold to N. W. Har- ris & Co., at 2½ per cent. disc't	50,000 00
<i>Amounts carried forward, . . .</i>	<i>\$227,280 81</i>
	<i>\$14,332 23</i>

Amounts brought forward, \$227,280 81 \$14,332 23

Dec. 1. Accru'd int. on ditto.	1,047 95	
Dec. 19. Par value 50 bonds, 401 to 450, sold to N. W. Har- ris & Co., at 2½ per cent. disc't	50,000 00	
Dec. 19. Accru'd int. on ditto	1,164 38	
Dec. 30. Cash from operating department.	11,238 41	
	<u>290,731 55</u>	
		\$305,063 78

DISBURSEMENTS.

Bills payable.

Voucher 453 money borrowed Oct. 20, '93, to pay contr'ctrs returned Nov. 14, 1893.	50,000 00
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Premiums on Bonds.

Oct. 20. Disc't. of 2½ per cent. on \$25,000 bonds sold to N. W. Harris & Co. \$	625 00	
Nov. 14. Disc't of 2½ per cent on \$50,000 bonds sold to N. W. Harris & Co.	1,250 00	
Nov. 18. Disc't. of 2½ per cent on \$25,000 bonds sold to N. W. Harris & Co.	625 00	
Dec. 1. Disc't of 2½ per cent on \$50,000 bonds sold to N. W. Harris & Co.	1,250 00	
Dec. 19. Discount of 2½ per cent on \$50,000 bonds sold to N. W. Harris & Co.	1,250 00	
	<u>5,000 00</u>	

Amount carried forward, \$55,000 00

Amount brought forward, \$55,000 00

Interest on Bonds.

Voucher 475 Frank Hachency city treasurer, amount depos- ited with him Dec. 30, 1893, for paying semi-annual int. on \$1,150,000 to date.	\$ 28,750 00
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Manufacturing and Laying Steel Conduit.

Voucher 450 Hoffman & Bates per contract.	\$32,041 94
Voucher 451 J. Barrett & Co. per contract.	4,413 48
Part of voucher 452 city water works per certified vouchers and payrolls.	2,653 35
Part of voucher 452 city water works per certified vouchers and payrolls.	50 10
Voucher 455 Hoffman & Bates per contract.	3,160 59
Voucher 456 Hoffman & Bates per contract.	3,453 04
Voucher 460 E. A. Webster per contract.	735 62
Voucher 462 Taylor, Young & Co. per contract.	170 00
Part of voucher 464 city water works per certified vouchers and payrolls.	1,759 30

Amounts carried forward, \$48,437 42 \$83,750 00

<i>Amounts brought forward, ..</i>	\$18,437 42	\$83,750 00
Voucher 471 Hoffman & Bates per contract.....	6,343 39	
Voucher 472 Hoffman & Bates per contract.....	22,383 03	
Voucher 473 Hoffman & Bates per contract.....	175 46	
Voucher 477 Hoffman & Bates per contract.....	14,040 79	
Voucher 479 A. C. Thomas per contract.....	45 75	
Voucher 484 E. A. Webster per contract.....	1,246 00	
Part of Voucher 483 City Water Works, per certifi'd vouchers and payrolls.....	970 13	
	<hr/>	93,641 97

Head Works.

Voucher 449 J. E. Stone, per contract.....	\$ 794 97
Voucher 446 J. M. Leavens per contract.....	3,329 59
Part of voucher 452 City wat- er works per certified vouch- er and payrolls.....	1,426 43
Voucher 454 J. M. Leavens per contract.....	930 00
Voucher 461 J. McCracken Co. per contract..	250 00
Voucher 463 the Bullen Bridge Co. per contract	490 00

Amounts carried forward, .. \$7,220 99 \$177,391 97

<i>Amounts brought forward, ..</i>	\$ 7,220 99	\$177,391 97
Part of voucher 464 City Water Works, per certified vouchers and payrolls.....	1,290 92	
Voucher 466 J. E. Stone, per contract	662 67	
Voucher 467 Wolff, Zwicker & Buehmer, per contract.....	995 00	
Voucher 468 Wolff & Zwicker Iron Works, per contract... ..	34 60	
Voucher 478 J. E. Stone, per contract	1,116 72	
Part of voucher 483 City water works per certified vouchers and payrolls.....	875 84	
Voucher 485 J. M. Leavens per contract.....	166 00	
	<hr/>	\$ 12,362 74

Reservoirs.

Part of Voucher 452 City wat- er works per certified vouch- ers and payrolls.....	330 75
Voucher 458 J. R. O'Neil, per contract	2,464 20
Voucher 459 S. W. Aldrich, per contract.....	1,986 39
Part of Voucher 464 City Water Works, per certifi'd vouchers and payrolls.....	551 20
Voucher 469 J. R. O'Neil, per contract	2,386 28

Amounts carried forward, .. \$ 7,718 82 \$189,754 71

Amounts brought forward, .. \$7,718 82 \$189,754 71

Voucher 470 S. W. Aldrich, per contract.....	2,066 08	
Voucher 474 Levi White, per deed for 10 acres	12,000 00	
Voucher 480 S. W. Aldrich, per contract	1,822 10	
Voucher 481 J. R. O'Neil, per contract	1,278 31	
Voucher 482 J. McCracken Co. per contract.....	62 50	
Part of voucher 483 City wat- er works per certified vouch- ers and payrolls.....	638 60	
		\$25,586 41

Steel Plates.

Voucher 447 Risdon Iron & Loco. Works per contract..	37,934 80	
Part of voucher 448 City wat- er works per certified vouch- ers and payrolls.....	172 70	
		38,107 50

Manufacturing and Laying Cast Iron Conduit.

Part of voucher 464 City wat- er works per certified vouch- ers and payrolls.....	209 65	
Part of voucher 483 City wat- er works per certified vouch- ers and payrolls	147 70	
		357 35

Amount carried forward,..... \$253,805 97

Amount brought forward,..... \$253,805 97

Bridges.

Voucher 448 Bullen Bridge Co. per contract	5,106 92	
Part of voucher 452 City wat- er wks per certified vouchers	25	
Voucher 457 Bullen Bridge Co. per contract	274 35	
Part of voucher 464 City wat- er works per certified vouch- ers and payrolls.....	200 00	
Part of voucher 483 City wat- er works per certified vouch- ers aud payrolls.....	363 94	
		5,945 46

General Expense.

Part of voucher 452 City Water Works, per certifi'd vouchers and payrolls.....	588 00	
Part of Voucher 464 City Water Works, per certifi'd vouchers and payrolls.....	736 08	
Part of Voucher 483 City Water Works, per certifi'd vouchers and payrolls.....	709 98	
Voucher 476, Frank T. Dodge services as clerk in Oct., Nov. and Dec.....	150 00	
		2,184 06

Amount carried forward,..... \$261,935 49

Amount brought forward, \$261,935 49

Distribution System.

Part of voucher 464 City water works per certified vouchers and payrolls	611 85	
Vchr 465 Oregon Iron & Steel Co. per contract	198 18	
Part of Voucher 483 City Water Works, per certifi'd vouchers and payrolls	14 90	
		824 93

Telephone Line to Headworks.

Part of Voucher 464 City Water Works, per certifi'd vouchers and payrolls \$	36 25	
Part of voucher 483 City water works per certified vouchers and payrolls	26 27	
		62 52

Rights of Way, Riparian Rights and Land.

Part of Voucher 464 City Water Works, per certifi'd vouchers and payrolls	166 00	
		166 00

Clearing and Roads.

Part of voucher 452 City water works per certified vouchers and payrolls \$	49 17	
Part of voucher 464 City water works per certified vouchers and payrolls	5 00	
		54 17
		\$263,043 11

RECAPITULATION OF GENERAL ACCOUNT.

Balance in hands of treas. on Sept. 30, 1893, as above . . . \$	14,332 23
Cash from operat. depart. during the quarter	36,738 41
Money borrowed Oct. 20, '93 at 7 per cent int. to pay contractors	50,000 00
Par value of 200 bonds, 251 to 450, sold at 2½ per cent. discount	200,000 00
Accrued interest on ditto	3,993 14
	\$305,063 78

DISBURSEMENTS.

Bills payable return'd on Nov. 14, '93, above money borow'd . . . \$	50,000 00
Prem. on bonds, discount of 2½ per cent on bonds sold	5,000 00
Interest on bonds	28,750 00
Manfe. and laying steel conduit	93,641 97
Head works	12,362 74
Reservoirs	25,586 41
Steel plates	38,107 50
Manufacturing and laying cast-iron conduit	357 35
Bridges	5,945 46
General expense	2,184 06
Distribution system	824 93
Telephone line to head works	62 52
Rights of way, riparian rights and land	166 00
Clearing and roads	54 17
	\$263,043 11
Bal. in hands of treasurer Dec. 31, '93 . . . \$	42,020 67

OPERATING ACCOUNT FOR THE QUARTER.

Bal. in hands of oper'g depart. Sep. 30, '93. \$ 203 00

RECEIPTS.

From the city, for amounts
charged prior to this quarter. \$ 60 60*Water rates—*Amounts carried and credited
on the books. . . . \$58,616 27Deduct bal. due from
city for quarter. . . 5,350 10

53,266 17

Tapping Mains 21 00

Turning on water 40 50

Rent of dwelling at 8th st reser. 15 00

Fire department, labor and ma-
terial, connecting new fire
hydrants. 300 00

53,703 27

\$53,906 27

DISBURSEMENTS.

Palatine pumping station, fuel,
wages, repairs, etc. \$ 8,837 87High-service pumping station,
fuel, wages, repairs, etc. . . . 2,110 41Repairs to mains, labor and
material 1,359 88Office expense, salaries, rent,
fuel, etc. 1,742 55General expense, labor and
material. 2,733 33

Amount carried forward, . . \$16,784 04*Amount brought forward,* \$16,784 04

Books and stationery, sundries 85 92

Office furniture, sundries. . . . 2 50

Loose property, sundries. 220 40

Meters, sundries. 75 00

17,167 86

Amt. paid to general acc't in

October \$13,500 00

" " " Nov. 12,000 00

" " " Dec. 11,238 41

36,738 41

53,906 27

No money in hands of operating depart., Dec. 31, '93.

TOTAL RECEIPTS AND DISBURSEMENTS

OF THE

OPERATING DEPARTMENT, CITY WATER WORKS

FOR QUARTER ENDING DECEMBER 31, 1893.

RECEIPTS.

Water rates \$199,494 60

Irrigation 7,764 40

Elevators. 16,241 45

Building purposes 2,577 80

Multnomah Driving Ass'n. . . . 139 72

City of Portland. 719 60

Tapping mains 222 00

Turning on water. 284 50

Rent of dwelling at Eighth
street reservoir. 56 75

Amount carried forward, \$227,500 82

Amounts brought forward, .. \$227,500 82

Feb. 9. W. F. Dugan, cost labor and material connecting fire hydrants	39 95	
Donnerberg & Co. labor and material connecting fire hydrants	87 70	
Fire Department labor and material connecting fire hydrants	925 00	
Fire Department labor and material connecting fire hydrants	300 00	
		<u>\$228,853 47</u>

DISBURSEMENTS.

Palatine pumping station ..	\$ 28,067 38	
High-service pump'g stations	7,637 44	
Repairs to mains	5,137 09	
General expense	10,702 13	
Office expense	6,357 93	
Books and stationery	413 00	
Office furniture	30 00	
Loose property	1,327 60	
Meters	1,442 49	
		<u>\$ 61,115 06</u>
Amt. paid to gen. acct. per receipts of treasurer	167,738 41	
		<u>\$228,853 47</u>

No money in hands of Operating Department Dec. 31st, 1893.

BOOKS OF THE CITY WATER WORKS,
PORTLAND, OREGON.

BALANCE SHEET, DECEMBER 30, 1893.
(Before closing for the year.)

Folio.			
49	Profit and loss		\$508,886 95
80	Palatine pumping station	37,402 10	
360	High-service station	8,099 67	
111	Repairs to mains	{ \$5,137 09	
		{ 1,352 65	
			3,784 44
136	General expense	10,702 13	
233	Office expense	6,357 93	
162	Books and stationery	413 00	
238	Office furniture	710 45	
164	Meters	4,602 49	
168	Loose property	7,304 50	
223	Treasurer	608,981 61	
205	Cash		
504	City of Portland ..	{ \$70,477 05	
		{ 719 60	
			69,757 45
505	Municipal water rates		22,447 60
293	Water rates		199 494 60
492	Irrigation		7,764 40
27	Multnomah Driving Association ..		139 72
259	Elevators		16,241 45
377	Building purposes		2,577 80
406	Tapping mains		222 00
270	Turning on		284 50
374	Rent		56 75
			<u>\$758,115 77</u>
			\$758,115 77

BALANCE SHEET, DECEMBER 31, 1893.
(After closing for the year.)

	Dr.	Cr.
Treasurer	\$568,532 11	
Office furniture	567 23	
Loose property	5,572 00	
Meters and indicators	3,874 00	
Palatine pumping station	5,815 00	
High-service station	191 16	
City of Portland	69,757 45	
Profit and loss		\$654,308 95
	<u>\$654,308 95</u>	\$654,308 95

BOOK OF THE WATER COMMITTEE OF THE
CITY OF PORTLAND, OREGON.

BALANCE SHEET, DECEMBER 31, 1893.

Folio.			
3	Bonds.....	\$1,150,000	00
9	Premium on bonds....	\$ 54,958	20
	Deduct 2½ per cent dis.		
	on \$300,000 bonds sold		
	in 1893.....	7,500	00
			47,458 20
24	City Water Works pur-		
	chased Dec. 31, 1886..	464,551	81
	Deduct property sold		
	since Dec. 31, 1886...	2,875	48
		\$ 461,676	33
35	New Palatine pump..	74,097	72
34	New high-service p'mp	22,097	49
33	New Pal'tine force m'n	159,726	31
28	New pump'g appar'tus	13,516	66
60	Improvem't real estate		
	4th & Market sts.....	3,748	95
		273,187	13
			792,731 61
37	Income from City Water Works.		
84	Interest on bonds....	\$230,000	00
	Deduct accrued int.		
	on bonds sold in 1893.	5,800	50
		224,199	50
51	Distribution system.....	346,384	13
16	Surveys and explorations.....	9,688	40
70	Rights of way, riparian rights		
	and land.....	40,388	74
23	Clearing and roads.....	32,714	65
19	Head works.....	47,586	97
104	Steel plates.....	169,883	29
106	Manufacture and laying steel		
	conduit.....	218,528	79
116	Bridges.....	10,551	36
61	Telephone line to head works...	6,860	00
100	Reservoirs.....	63,990	64
14	Legal expense.....	\$ 8,825	91
63	General expense.....	28,321	52
10	Office expense.....	360	19
20	Superintendence.....	4,658	19
110	Manufacture and laying		
	cast iron conduit.....	357	35
114	Submerged pipes.....	6	05
		42,529	21
45	Treasurer.....	42,020	67
		\$1,990,189	81
		\$1,990,189	81

RECEIPTS AND DISBURSEMENTS

—BY—

THE WATER COMMITTEE

FOR THE YEAR ENDING DEC. 31, 1893.

1892.		
Dec. 31.	Balance in hands of treasurer	
	per report this date.....	\$ 4 74

RECEIPTS.

PROPERTY SOLD.

1893.		
Mar. 31.	Cash from Kiernan, King &	
	Church, for old pump.....	\$ 125 00

BILLS PAYABLE.

Oct. 20.	Money borrowed at 7 per cent	
	per annum to pay contractor	50,000 00

BOND ISSUE OF 1893, SOLD TO N. W. HARRIS & CO.

July 20.	Par value 50 bonds	
	(1 to 50) sold at par.....	\$ 50,000 00
Aug. 7.	Par value 15 bonds	
	(101 to 115) sold at par....	15,000 00
Aug. 12.	Par value 50 bonds	
	(51 to 100) sold at par....	50,000 00
Aug. 23.	Par value 15 bonds	
	(116 to 130) sold at par....	15,000 00
Aug. 30.	Par value 1 bond	
	(131) sold at par.....	1,000 00
Aug. 31.	Par value 7 bonds	
	(132 to 138) sold at par....	7,000 00
Sept. 1.	Par value 12 bonds	
	(139 to 150) sold at par....	12,000 00
Sept. 20.	Par value 100 bonds	
	(151 to 250) at 2½% discount	100,000 00
Oct. 20.	Par value 25 bonds	
	(251 to 275) at 2½% discount	25,000 00
Nov. 14.	Par value 50 bonds	
	(276 to 325) at 2½% discount	50,000 00

Amount carried forward, \$325,000 00 \$50,125 00 4 74

<i>Amounts brought forward</i> , \$325,000 00	\$ 50,125 00	\$ 4 74
Nov. 18. Par value 25 bonds (326 to 350) at 2½% discount	25,000 00	
Dec. 1. Par value 50 bonds (351 to 400) at 2½% discount	50,000 00	
Dec. 19. Par value 50 bonds (401 to 450) at 2½% discount	50,000 00	
450 bonds at par value \$1,000.00 each	450,000 00	

INTEREST ON BONDS.

Accrued int. on above bonds received from Harris & Co.....	5,800 50
---	----------

INCOME FROM WATER WORKS.

Cash from operating department in first quarter.....	\$41,500 00	
Cash from operating depart- ment in second quarter.	44,500 00	
Cash from operating depart- ment in third quarter..	45,000 00	
Cash from operating depart- ment in fourth quarter..	36,738 41	
	<u>167,738 41</u>	
		673,663 91
		<u>\$ 673,668 65</u>

DISBURSEMENTS.

Bills payable, money borrowed Oct. 20, 1893, returned Nov. 14, 1893.....	\$ 50,000 00
Premium on bonds, discount of 2½ per cent on above \$300,000 bonds.....	7,500 00
Int. on bonds, 5 per cent on \$700,000 bonds for 1 year.....	\$35,000 00
“ 5 per cent on \$450,000 00 bonds for ½ year.....	11,250 00
	<u>46,250 00</u>
Distribution system, extension of water mains in city.....	15,843 88
Surveys and explorations.....	508 40
Land, riparian rights and rights of way	1,744 80
Clearing and roads.....	15,649 71
Head works on Bull Run river.....	36,406 98

Amount carried forward, \$173,903 77

<i>Amount brought forward</i> ,	\$173,903 77
Steel plates for conduit head works to Mount Tabor.....	169,883 29
Manufacture and laying conduit head works to Mount Tabor.....	218,528 79
Bridges for supporting conduit at Sandy and Bull Run river.....	10,551 36
Telephone line, Portland to head wks 30 miles.....	6,860 00
Reservoirs, purchase of land and labor excavating.....	41,369 73
General expense.....	10,187 64
Manufacture and laying cast iron con- duit Mount Tabor to City Park...	357 35
Submerged pipes across Willamette river.....	6 05
Total disbursements.....	<u>631,647 98</u>
Balance in hands of treasurer December 31, 1893..	\$ 42,020 67
Total amount invested in plant to Dec. 31, 1892.....	\$1,196,196 66
Total amount disbursements during 1893 as above.....	\$631,647 98
Less property (old pumps) sold as above.....	\$ 125 00
Less borrowed money return'd as above.....	50,000 00
Less disc't on bonds as above	7,500 00
Less int. on bonds as above..	46,250 00
	<u>103,875 00</u>
	<u>527,772 98</u>
Total amount invested in plant to Dec. 31, 1893..	\$1,723,969 64

WATER BONDS SOLD TO DATE.

700 bonds (1 to 700) dated January 1, 1887, maturing January 1, 1917, \$1,000 each.....	\$700,000 00
450 bonds, (1 to 450) dated July 1, 1893, maturing July 1, 1923, \$1000 each..	450,000 00
Water bonds of the city outstanding at 5 per cent. interest.....	<u>\$1,150,000 00</u>

PORTLAND, OREGON, December 31, 1893.

FRANK T. DODGE,
Clerk.

HENRY FAILING,
Chairman Water Committee.

STATEMENT

Of all the Receipts, Earnings and Disbursements by the Water Committee of the City of Portland, Oregon, and the Sub. Committee on Water Works operating the Works from November 25, 1885, when Committee was appointed by Act of the Legislature, until December 31, 1893.

RECEIPTS AND EARNINGS.

	1886	1887	1888
Water Bonds Sold.....	\$500000 00	\$.....	\$.....
Premium on Bonds.....	39300 00	.....	.....
Property Sold.....	.....	.....	1500 00
Gross Earnings of Water Works.....	.....	97502 71	113692 06
Deduct amounts due from City.....	.....	.....	.....
	\$589300 00	\$ 97502 71	\$115192 06

DISBURSEMENTS.

Water Works purchased Dec. 31, 1886.....	\$464551 81	.....	.....
Operating Expenses and Repairs of same.....	.....	47000 77	54792 44
Interest on Bonds, 5 per cent.....	.....	25000 00	5000 00
Additional Pumps and Main from Palatine.....	.....	.....	12279 06
Mains for Distribution System in City.....	560 00	33939 71	14273 49
Surveys and Explorations.....	7850 73	.....	.....
Land, Riparian Rights and Rights of Way.....	936 85	.....	23336 01
Clearing and Roads.....	125 00	324 25	.....
Head Works, Bull Run River.....	7180 10	2499 89	1500 00
Steel Plates for Conduits. H'd Works to Mt. T. Manufacturing and Laying ditto.....	.....	.....	.....
Bridges for ditto across Sandy and Bull Run R. Tel. Line, Portland to Head Works, 30 miles. Reservoirs, cost of land and labor excavating. Legal and General Expenses, etc.....	4223 36	16832 43	2136 29
Totals.....	\$485427 85	\$125597 05	\$133317 29

RECEIPTS AND EARNINGS.—Continued.

1889	1890	1891	1892	1893	Totals.	G'd Totals.
\$100000 00	\$100000 00	\$.....	\$.....	\$450000 00	\$1150000 00	\$.....
5908 20	9750 00	.....	.....	.....	* 47458 20	.....
100 00	16 00	834 48	300 00	125 00	2875 48	.....
148106 31	181310 40	238217 95	261330 30	249228 82	1289388 55	.....
.....	.....	239052 43	261630 30	699353 82	2489722 23	.....
.....	.....	24000 00	24029 45	21728 00	69757 45	.....
\$254114 51	\$291076 40	\$215052 43	\$237600 85	\$677625 82	\$2419964 78	\$ 2419964 78

DISBURSEMENTS.—Continued.

.....	.....	.....	.....	.....	464551 81	.....
51407 17	71496 85	63993 28	58832 27	63357 32	410880 10	.....
30000 00	33750 00	35000 00	35000 00	40449 50	224199 50	.....
42026 85	192322 78	26558 44	.....	.....	273167 13	.....
114068 46	7856 54	54377 08	105464 97	15843 88	346384 13	.....
.....	.....	630 70	272 57	508 40	9688 40	.....
.....	.....	12820 73	1213 35	1744 80	40388 74	.....
.....	.....	41 60	16574 09	15649 71	32714 65	.....
.....	.....	.....	.....	36406 98	47586 97	.....
.....	.....	.....	.....	169883 29	169883 29	.....
.....	.....	.....	.....	218528 79	218528 79	.....
.....	.....	.....	.....	10551 36	10551 36	.....
.....	.....	.....	.....	6860 00	6860 00	.....
579 76	.....	962 90	21078 25	41369 73	63990 64	.....
1760 45	1095 92	5076 07	853 65	10551 04	42529 21	.....
\$240605 69	\$306522 09	\$199460 80	\$239289 15	\$631704 80	\$2361924 72	.....

Add Fuel, Material, Tools, etc., in hands of Operating Department on December 31, 1893..... \$ 16019 39 \$ 2377944 11

Balance in hands of the Treasurer of the Water Committee of the City of Portland, Oregon, on December 31, 1893..... \$ 42020 67

*After deducting from \$54,958 20 heretofore standing to the credit of premium on bonds, \$7,500 00, being 2½ per cent. discount on \$300,000 00 of the bonds sold in 1893.

†After deducting from \$46,250 00 deposited with City Treasurer for paying interest for 1893, \$5,800 50, being accrued interest on \$450,000 00 bonds sold in 1893.