

AUDITOR OF ACCOUNTS'
ANNUAL REPORT

OF THE
RECEIPTS AND EXPENDITURES

OF THE
CITY OF BOSTON AND THE COUNTY OF SUFFOLK,
STATE OF MASSACHUSETTS,

FOR THE FINANCIAL YEAR

1874-75.

(No. 63 OF THE SERIES.)

MAY 1, 1874, TO APRIL 30, 1875.

(BOTH INCLUDED.)

CITY DOCUMENT No. 72.



BOSTON:
ROCKWELL AND CHURCHILL, CITY PRINTERS,
No. 39 ARCH STREET.
1875.

FIRE DEPARTMENT.

The following property is in the charge of the Board of Commissioners of the Fire Department:—

ENGINE HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1 . .	Dorchester street	8,167	
2 . .	Fourth street	3,101	Remodelled, 1870.
3 . .	Washington street	1,007	
3 . .	Bristol street and Harrison ave.	4,000	Nearly built.
4 . .	Bulfinch street	6,065	Lancers' Armory in this building.
5 . .	Marion street	1,647	
6 . .	Wall street	1,372	
7 . .	East street	1,893	
8 . .	Salem street	2,568	
9 . .	Paris street	4,000	
10 . .	River street	1,886	
11 . .	Sumner street	4,010	Remodelled, 1870.
12 . .	Cor. Winslow and Dudley sts.	2,375	
13 . .	Cabot street	4,770	
14 . .	Centre street	5,710	Remodelled, 1870.
15 . .	Dorchester avenue	2,700	
16 . .	River street, Ward 16	12,738	Hook and Ladder No. 6 in this building.
17 . .	Meeting House Hill	
18 . .	Harvard street	10,225	Old Engine-house on this lot.
19 . .	Norfolk street	7,633	
20 . .	Walnut street, Ward 16	9,000	
21 . .	Boston street	9,355	
22 . .	Parker street	Built on leased land.
22 . .	Dartmouth street	4,463	Being built.
23 . .	Northampton street	3,445	
24 . .	Corner Warren and Quincy sts.	4,200	
25 . .	Washington square	2,487	Hook and Ladder Company No. 8 in this building.
26 . .	Mason street	6,385	Altered from school-house.
27 . .	Elm street, Charlestown	2,600	Armory in building.
28 . .	Centre street, Jamaica Plain	10,377	Hook & Ladder No. 10 in this building.
29 . .	Chestnut Hill avenue, Brighton	14,358	Hook & Ladder No. 11 in this building.
	Poplar street, cor. Washington, West Roxbury	14,729	Occupied by Chemical Engine No. 4.
	Centre street, near Highland station, West Roxbury	1,623	Occupied by Hand Engine.

HOSE HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 2 . . .	Hudson street	739	
3 . . .	North Grove street	3,918	
5 . . .	Shawmut avenue	889	
6 . . .	Chelsea street	1,346	
7 . . .	Tremont street	4,350	
8 . . .	Church street	3,412	{ Ward Room No. 9 in this building. Chemical Engine in this building.
9 . . .	B. street	1,804	
10 . . .	Washington Village	1,610	
12 . . .	Cor. of O and Fourth streets	4,100	Bell tower erected in 1873.
	Cor. Longwood and Brook- line avenues	5,400	Occupied by Chemical Engine Co.
2	Main street, Charlestown . .	1,592	
3	Winthrop street	5,230	Armory in building.
4	Bunker Hill street, cor. Tufts st., Charlestown	See Bunker Hill st. School-house.

HOOK AND LADDER HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1 . . .	Friend street	1,676	
2 . . .	Orleans street	4,010	
3 . . .	Harrison avenue	3,755	
4 . . .	Eustis street	760	Old building not occupied.
4 . . .	Dudley street	7,594	
5 . . .	Fourth street	3,727	
7 . . .	Meeting House Hill	
9 . . .	Main street, Charlestown	Hose No. 1 in building.

Fuel House, Salem street, 417 feet of land.

STEAM FIRE ENGINES. — Twenty-nine, located as follows, viz.:
 nine in city proper; three in East Boston; three in South Boston;
 five in Boston Highlands; six in Dorchester; and one each

in Charlestown, West Roxbury and Brighton; also one Hand engine in West Roxbury.

HORSE HOSE CARRIAGES. — Twenty-eight, located as follows, viz.: ten in city proper; two in East Boston; three in South Boston; four in Boston Highlands; two in Dorchester; five in Charlestown; one in West Roxbury; and one in Brighton; fifteen of which are located in engine-houses.

HOOK AND LADDER CARRIAGES. — Eleven, located as follows, viz.: three in city proper; one in East Boston; one in Boston Highlands; one in South Boston; two in Dorchester; and one each in Charlestown, West Roxbury and Brighton.

CHEMICAL ENGINES. — Six self-acting.

PORTABLE EXTINGUISHERS. — Carried on four of the Hook and Ladder Carriages.

HORSES. — One hundred and twenty-six.

FUEL WAGONS. — One fuel wagon kept at the old Hose-house, on Salem street; one at Engine-house No. 25, Washington square; one at Engine-house No. 11, on Sumner street, East Boston; one at Engine-house No. 13, on Cabot street, Boston Highlands; one at Engine-house No. 16, Lower Mills, Dorchester; one at Engine-house No. 21, Upham's Corner, Dorchester; one at Hook and Ladder house No. 3, Wareham street; one at Hook and Ladder house No. 5, South Boston; one at Engine-house No. 19, Mattapan, Dorchester; one at Engine-house No. 20, Neponset, Dorchester; one at Engine-house No. 4, Bulfinch street; one at Engine-house No. 23, Northampton street; one at Engine-house No. 18, Harvard street, Dorchester; one at Engine-house, No. 24, Warren street, Highlands; one at Engine-house No. 27, Charlestown, and one at Engine-house No. 28, West Roxbury; each capable of conveying about two tons to be used in case of large fires, when more fuel is needed than is carried on the engines.

FIRE LADDERS. — Two hundred and seventy-three of different sizes, and one Skinner Ladder Truck, with four ladders.

HOSE. — About 73,000 feet of leading, and 1,000 feet suction.

SPARE APPARATUS. — Seven Steam Fire Engines ; at Deer Island 850 feet of cotton hose, and one small hose-jumper. Also one Hose Carriage in Engine-house No. 25, and one in Hook and Ladder house, Harrison avenue, with 450 feet of hose, one at old Hook and Ladder house, Eustis street, and one at City Hospital ; one Hand Hose Carriage at Engine-house No. 8, Salem street ; one Hand-engine at Brighton ; one at West Roxbury, and one at house of Hose No. 12, South Boston.

RESERVOIRS. — Two hundred and forty-six, of which thirteen are located at East Boston, eighteen at South Boston, forty-one at Boston Highlands, eleven in the Dorchester District, thirty-eight in Charlestown, twenty-four in West Roxbury, three in Brighton, and the balance in the different wards of the city. They contain from 15,000 to 55,000 gallons each, and are supplied with the Cochituate and Mystic water, except in West Roxbury and Brighton.

THE ENGINES, HOSE, CAPS, AXES, LADDERS, and all the other apparatus used by the Fire Department, are owned by the city, and are under the care and control of the Board of Fire Commissioners.

HYDRANTS. — For supplying water in cases of fire, 3,390, viz. : the city proper, 1,256 ; at South Boston, 465 ; at East Boston, 272 ; at Boston Highlands, 693 ; 518 in Dorchester ; in Charlestown, 172, and 14 at Deer Island. The hydrants are located at an average distance of 250 feet from each other.

TELEGRAPHIC FIRE-ALARM.

Magnetic Fire-Alarm Apparatus, the whole cost of which is over \$90,000. Working Lines of Wire, about 200 miles ; Signal Boxes in use, 224 ; Striking Machines, 50 ; Large Gongs, 55 ; Small Gongs, 40 ; Tappers, 50 ; Clocks ; one electric watch clock ; two repeating three dial clocks for striking signals ; Magneto-Electric Machine, for striking bells, 1 ; Relay Magnets, 11 ; Ten Pen Register, 1 ; Office Bells, 16 ; Telegraph Keys, 14 ; Dial Instruments, 16.

STOCK AND FURNITURE. — 1 switch board ; 1 large galvanometer for spare and local battery ; 11 small do., for signal batteries ;

2 portable rheotropes ; 1 chronometer ; 1 set telegraphic apparatus in Superintendent's house ; 6 sets telegraphic apparatus in assistant's houses ; 750 cups, battery in use ; 1,600 lbs. sulphate of copper ; 200 lbs. zinc ; brackets, wire insulators, etc. ; lot of old machinery and old iron, useless except for repairing other machinery, or to sell as old material ; office furniture, bedsteads, bedding, and sundry other articles.

BELLS.

Faneuil Hall, steel, 5,816 lbs.

Boylston market, corner Washington and Boylston streets, composition, 529 lbs.

Boylston School-house, Washington, near Dover street, composition, 818 lbs.

Castle street Church, corner Washington and Castle streets, composition, 1,760 lbs.

Saratoga street M. E. Church, East Boston, steel, 1,968 lbs.

Adams School-house, Sumner street, East Boston, steel, 2,995 lbs.

Channing School-house, East street, steel, 1,363 lbs.

Chapman School-house, Eutaw street, East Boston, steel, 3,109½ lbs.

Dean School-house, Wall street, composition, 712 lbs.

Hose No. 12, South Boston, composition, 800 lbs.

Princeton street School-house, East Boston, composition, 2,470 lbs.

Everett School-house, Northampton street, composition, 1,501 lbs.

Franklin Place School-house, corner Tremont and Franklin Place, B. H., Composition, 2,958 lbs.

George street School-house, B. H., composition, 4,160 lbs.

Lawrence School-house, B street, South Boston, steel, 3,400 lbs.

Lewis School-house, Dale street, B. H., composition, 3,104 lbs.

Lincoln School-house, Broadway, South Boston, composition, 3,110 lbs.

Quincy School-house, Tyler street, composition, 2,941 lbs.

Rice School-house, Appleton street, composition, 3,042 lbs.

Sharp School-house, Anderson corner Pinckney street, composition, 900 lbs.

Smith street School-house, B. H., composition, 4,803 lbs.

Andrew School-house, Dorchester street, Washington Village, steel, 2,995 lbs.

Wells School-house, Blossom street, composition, 1,675 lbs.
 Engine-house No. 1, Dorchester street, South Boston, composition, 2,911 lbs.
 Engine-house No. 11, Orleans corner of Sumner, East Boston, composition, 817 lbs.
 Engine-house No. 12, Warren street, B. H., composition, 3,509 lbs.
 Engine-house No. 16, Temple street, Dorchester, composition, 4,149 lbs.
 Engine-house No. 17, Meeting House Hill, Dorchester, composition, 4,000 lbs.
 Engine-house No. 18, Harvard street, Dorchester, composition, 3,184 lbs.
 Engine-house No. 19, Mattapan, Dorchester, composition, 2,927 lbs.
 Engine-house No. 20, Walnut street, Dorchester, composition, 3,061 lbs.
 Engine-house No. 21, Boston street, Dorchester, composition, 3,026 lbs.
 Hancock School-house, Parmenter street, composition, 4,090 lbs.
 H. & L. house No. 3, corner of Harrison avenue and Wareham street, steel, 1,000 lbs.
 City Hall, Charlestown, composition, 5,600 lbs.
 Rubber Factory, Charlestown, composition, 999 lbs.
 Bunker Hill School-house, Charlestown, 2,009 lbs.
 Warren School-house, Charlestown, composition, 3,000 lbs.
 Winthrop School-house, Charlestown, composition, 3,000 lbs.
 Engine-house, Centre street, West Roxbury, composition.

PUBLIC CLOCKS.

Old State House, State street.
 Lynde street Church, corner Lynde and Cambridge streets.
 Suffolk County Jail, corner Cambridge and Charles streets.
 Andrew School-house, South Boston.
 Gaston School-house, South Boston.
 Charles street Church.
 Tremont M. E. Church, corner Tremont and Concord streets.
 Christ Church, Salem street.

Lincoln School-house, Broadway, South Boston.
 Phillips Church, Broadway, South Boston.
 Bigelow School-house, corner Fourth and E streets, South Boston.
 Methodist Church, Winthrop street, B. H.
 Odd Fellows' Building, Tremont street.
 St. Stephen's Church, corner of Hanover and Clark streets.
 Dudley street, Boston Highlands.
 Warren street M. E. Church, Boston Highlands.
 City Hall, Charlestown.
 High School, Charlestown.
 Bennett School-house, Brighton.
 Orthodox Church, West Roxbury.

FIRE DEPARTMENT.

	1874-75.	1873-74.
Expenses and Salaries,	\$591,848 35	\$591,640 27
Fire Alarm Telegraph,	28,101 16	51,092 49
Bells and Clocks,	2,523 37	
Brighton Fire Alarm Extension,	4,633 72	
* Repairs of Engine Houses,	14,099 45	28,778 37
	<u>\$641,206 05</u>	<u>\$671,511 13</u>

Income, 1874-75, \$1,864 16 ; 1873-74, \$2,213 52.

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CITY EXPENDITURES.

Brought forward, \$2,493,800 60

Fire Alarm Telegraph.

Payments for carrying on the telegraph system of Fire Alarms.

Salaries :—John F. Ken-

nard, Superintendent, \$2,500 00

Operators and repairers, 12,630 50

\$15,130 50

Laborers,

1,846 50

Wire,

2,374 47

Iron work, tools, battery jars and hardware,

2,366 20

Instruments,

2,250 97

Repairs of lines and belfries,

1,288 69

Chemicals,

956 44

Horse and wagon hire, cartage, car fares and tolls,

559 80

Professor Joseph Winlock, for furnishing time from Cambridge Observatory,

500 00

Board and shoeing of horse, and repairs of buggy and harness,

436 18

Printing and stationery,

220 99

Damage to buildings, furniture, washing, and small items,

170 42

Total for Fire Alarm Telegraph,

28,101 16

Per item No. 38 of Treasurer's account,

\$28,083 16

Add amount drawn by Auditor, but not paid,

18 00

\$28,101 16

Fire Department.

Payments for this department, including inside repairs on Engine, Hook and Ladder and Hose Carriage Houses, exclusive of the Fire Alarm system, viz. :—

SALARIES.

Board of Commissioners :

Alfred P. Rockwell, \$4,000 00

David Chamberlin, 4,000 00

Timothy T. Sawyer, 4,000 00

Carried forward, \$12,000 00

\$2,521,901 76

<i>Brought forward,</i>	\$12,000 00		\$2,521,901 76
F. W. Smith, Jr., Clerk,	1,500 00		
		13,500 00	
John S. Damrell, Chief Engineer, to April 7, 1874,		55 00	
William A. Green, Chief Engineer, from April 7, 1874,		3,245 00	
District Engineers and Inspector,		17,401 61	
Call Engineers, enginemen, firemen and drivers, and officers and mem- bers of the various engine, hook and ladder, and hose companies,		325,013 22	
Clerks in office,		4,150 50	
Extra drivers and services under firewards in West Roxbury,		1,473 03	
<i>Total for salaries.</i>		364,838 36	
Hay, grain and straw,		21,369 71	
Repairs of engines, hose and hook and ladder carriages, fuel and ex- tinguisher wagons, and pungs,		18,109 68	
Hose, hose-pipes and couplings, in- cluding repairs,		15,181 99	
Fuel for houses,	\$6,948 62		
Engines,	4,044 02		
		10,992 64	
Horses,		8,082 75	
Gas,		7,821 24	
Furniture and bedding,	\$5,285 12		
Washing,	2,689 65		
		7,974 77	
New apparatus : —			
3 chemical engines,	\$4,100 00		
22 pungs,	2,291 50		
2-wheel hose carriage,	650 00		
2 Concord wagons,	400 00		
		7,441 50	
Repairs of houses,		6,815 28	
Machinery and tools for repair shop,		5,526 84	
Oils and leather preservatives for hose ; sperm oil and fluids for en- gines and lanterns ; tools and sup- plies,		4,974 04	
<i>Carried forward,</i>		\$479,128 80	\$2,521,901 76

<i>Brought forward,</i>	\$479,128 80	\$2,521,901 76
Shoeing horses,	4,042 69	
Fire hats, badges and buttons, including repairs,	2,461 72	
Harnesses, including repairs, blankets and whips,	2,057 86	
Groceries and provisions on fire-boat "Wm. M. Flanders,"	1,617 62	
Printing,	1,468 61	
Ladders, rakes, axes and lanterns,	1,107 99	
Water rates, houses,	1,090 00	
Freight and expressing,	1,007 90	
Hire of horses and puns on account of snow, and to replace horses disabled,	956 00	
Refreshments for members at fires; also, meals for temporary men in West Roxbury,	734 97	
Extinguisher charges,	696 01	
Gas-heaters,	655 00	
Stationery and advertising,	591 66	
Medical attendance on, and medicines for, horses,	550 65	
Services of tug-boats at various fires,	443 00	
Phonographic report of evidence before fire inquest in matter of fire at 145 Court street,	255 00	
Car fares, Custom House fees, and small items,	223 67	
Repairs of police-boat, damage by collision with fire-boat,	209 89	
Allowances for injuries received while in discharge of duty,	150 00	
Damages by collisions,	145 41	
Fire suits ordered by the town of Brighton,	76 50	
Hydrants and Reservoirs: —		
for use of water at fires, \$57,240 00		
Hydrants furnished and kept in order under direction Cochituate Water Board,	37,992 00	
Reservoirs, repairing, covers and signs,	\$1,763 30	
<i>Car'd forw'd,</i>	\$1,763 30	\$95,232 00
	\$499,670 95	\$2,521,901 76

Bro't forw'd, \$1,763 80 \$95,232 00 \$499,670 95 \$2,521,901 76 .

Building reser-
voir, Mount
Vernon St.,

Ward 17, \$900 00

2,663 80

Hydrant-heads, 900 00

Hydrant signs, and re-
pairs, 123 03

98,918 33

Expenses of Commission
to New York and Fall
River,

\$29 15

Carriage hire, 12 20

41 35

Chief Engineer and Inspector to
New York,

33 00

Total for Fire Department,

598,663 63

Per item No. 37 of Treasurer's
account,

\$598,556 91

Add amount drawn by Auditor, but
not paid,

106 72

598,663 63

Brighton Fire Alarm Extension.

*Payments for extending the fire-alarm telegraph to
and through Ward 19 (Brighton).*

Poles, including carting and painting, \$1,392 01

Labor, 1,159 50

Dial Instruments, 1,001 55

Wire, Insulators, etc., 614 21

Brackets, tripods and hardware, 396 07

Lumber, 70 38

Total for Brighton Fire Alarm Extension, as per
item No. 12 of Treasurer's Account,

4,633 72

Fire Alarm Telegraph.

Sale of old copper,

22 80

Per item No. 166 of Treasurer's account.

Fire Department.

Use of engines, \$210 66

Returned by paymaster, 32 01

Sale of manure, 334 00

old materials, 398 80

horses, 310 25

bell, 50 64

engine, 505 00

1,841 36

Per item No. 165 of Treasurer's account.