

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

1 8 7 5 - 7 6 .

(NO. 64 OF THE SERIES.)

MAY 1, 1875, TO APRIL 30, 1876.

(BOTH INCLUDED.)

CITY DOCUMENT No. 56.

BOSTON:
ROCKWELL AND CHURCHILL, CITY PRINTERS,
No. 89 ARCH STREET.
1876.

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	5,698	Additlou built, 1874. Municipal Court, S. Boston. armory and two classes Bigelow School, in building.
2 . .	Fourth street	3,101	Remodelled, 1870.
3 . .	Bristol street and Harrison ave.	4,000	Hook & Ladder No. 3 in this building.
4 . .	Bulfinch street	6,098	Chemical Engine No. 1, and 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. Hook & Ladder No. 2 in this building.
12 . .	Cor. Winslow and Dudley sts. .	3,923	
13 . .	Cabot street	4,305	
14 . .	Centre street	5,627	Remodelled, 1870.
15 . .	Dorchester avenue	2,843	
16 . .	River street, Dorchester Dist. .	12,736	Hook & Ladder No. 6 in this building.
17 . .	Meeting House Hill		
18 . .	Harvard street	10,225	Old Engine-house on this lot.
19 . .	Norfolk street	7,683	
20 . .	Walnut street, Dorchester Dist.	9,000	
21 . .	Boston street	9,355	
22 . .	Dartmouth street	4,463	
23 . .	Northampton street	3,445	
24 . .	Corner Warren and Quincy sts.	4,200	
25 . .	Washington square	2,487	Hook & Ladder No. 8 in this building.
26 . .	Mason street	6,335	Altered from school-house.
27 . .	Elm street, Charlestown Dist.	2,600	Armory in building.
28 . .	Centre street, West Roxbury District	10,377	Hook & Ladder No. 10 in this building.
29 . .	Chestnut Hill avenue, Brighton District	14,358	Hook & Ladder No. 11 in this building.
	Poplar street, cor. Washington, West Roxbury District . . .	14,729	Occupied by Chemical Engine No. 4.
	Centre street, near Highland station, West Roxbury Dist.	1,682	Occupied by Hand Engine No. 2.
	Washington street, between Atherton and Beethoven sts. .	3,848	House building.
	Mount Vernon street, West Roxbury District	16,275	House building.
	Harvard avenue, near Cambridge street, Brighton Dist. .	6,112	House building.

HOSE HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 2 . .	Main street, Charlestown Dist.	1,592	
3 . .	Winthrop street	5,230	Armory in building.
4 . .	Bunker Hill street, cor. Tufts st., Charlestown District . .		See Bunker Hill st. School-house.
5 . .	Shawmut avenue	889	
6 . .	Chelsea street	1,346	
7 . .	Tremont street	4,350	
8 . .	North Grove street	3,918	
9 . .	B street	1,804	
10 . .	Washington Village	1,610	
12 . .	Cor. of O and Fourth streets . .	4,000	Bell tower erected in 1873.
	Cor. Longwood and Brookline avenues	5,400	Occupied by Chemical Engine Co. - No. 3.
	Church street	3,412	{ Ward Room No. 11 in this building. { Chemical Eng. No. 2 in this building.

HOOK AND LADDER HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1 . .	Friend street	1,676	
4 . .	Dudley street	7,161	
5 . .	Fourth street	2,469	
7 . .	Meeting House Hill		
9 . .	Main street, Charlestown Dist.	2,430	Hose No. 1 in building.
	Harrison avenue	3,755	Formerly occupied by Hook & Ladder
	Eustis street	760	No. 3, now used as a repair shop.
			Formerly occupied by Hook & Ladder
			No. 4.

Fuel House, Salem street, 417 feet of land.

“ “ Washington street, near Dover, 1,007 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 Roxbury District; six in Dorchester District; and one each in Charlestown, West Roxbury and Brighton Districts; also one hand-engine in West Roxbury District.

FIRE BOAT. — One, located north side Central wharf.

HORSE HOSE CARRIAGES. — Twenty-eight, located as follows, viz.: ten in city proper; two in East Boston; three in South Boston; four in Roxbury District; two in Dorchester District; five in Charlestown District; one in West Roxbury District; and one in Brighton District; 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 Roxbury District; one in South Boston; two in Dorchester District; and one each in Charlestown, West Roxbury and Brighton Districts.

CHEMICAL ENGINES. — Six self-acting, located as follows: two in the city proper; one in Roxbury District; two in West Roxbury District; and one in Brighton District.

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

HORSES. — One hundred and thirty-four.

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, Roxbury District; one at Engine-house No. 16, Lower Mills, Dorchester District; one at Engine-house No. 21, Upham's corner, Dorchester District; one at coal depot No. 2, Washington near Dover street; one at Hook and Ladder House No. 5, South Boston; one at Engine-house No. 19, Mattapan, Dorchester District; one at

Engine-house No. 20, Neponset, Dorchester District; 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 District; one at Engine-house, No. 24 Warren street, Roxbury District; one at Engine-house No. 27, Charlestown District; and one at Engine-house No. 28, West Roxbury District; 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.

WAGONS. — Four engineers', four supply (two in service and two in reserve), one commissioners' buggy.

PUNGS. — Thirty-five; thirty-three for carrying hose, and two for jobbing.

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

HOSE. — About 76,000 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; one Hand Hose Carriage at Engine-house No. 8, Salem street; one Hand-engine at Brighton District; one at West Roxbury District, and one at house of Hose No. 12, South Boston, and two Chemical Engines.

RESERVOIRS. — Two hundred and forty-six, of which thirteen are located at East Boston, eighteen at South Boston, forty-one in Roxbury District; eleven in the Dorchester District; thirty-eight in Charlestown District; twenty-four in West Roxbury District; three in Brighton District, and the balance in the different wards of the city proper. 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 Districts.

REPAIR SHOP. — In the repair shop, one 15-horse power steam engine, cylinder, 9 by 21 inches, Putnam Machine Co.; one 20-horse power upright tubular boiler; one 26-inch by 26-inch iron planer, 8-ft. table, 12-ft. bed; one 24-inch swing engine lathe, 10-ft. bed; one 16-inch swing engine lathe, 9½-ft. bed; two 14-inch swing engine lathes, 6-ft. bed; one 13-inch swing hand lathe, 7½-ft. bed; one 13-inch swing hand lathe, 9-ft. bed; one No. 2 upright drill; one Sturtevant Pressure Blower; two blacksmith's forges; one furnace for heating tires, together with numerous smaller tools and appliances, and also tools for repairing hose and harness.

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, 3,625, viz. : the city proper, 1,272 ; in South Boston, 467 ; in East Boston, 283 ; in Roxbury District, 745 ; 577 in Dorchester District ; West Roxbury District, 184 ; Brighton District, 131 ; in Charlestown District 186, and 16 on 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 \$100,000. Working lines of wire, about 225 miles ; Signal Boxes in use, 235 ; Striking Machines, 49 ; Large Gongs, 55 ; Small Gongs, 40 ; Tappers, 56 ; Clocks — one electric watch clock ; two repeating three dial clocks for striking signals ; Magneto-Electric Machine, for striking bells, 1, loaned to Tufts College ; Relay Magnets, 13 ; Ten Pen Register, 1 ; Office Bells, 17 ; Telegraph Keys, 19 ; Dial Instruments, 16 ; 13 Sounders and Keys, in charge of District Engineers.

STOCK AND FURNITURE. — 1 switch board ; 1 large galvanometer ; for spare and local battery ; 12 small do., for signal batteries ; 2 portable rheotropes ; 1 chronometer ; 1 set telegraphic apparatus in Superintendent's house ; 6 sets telegraphic apparatus in assistants' houses ; 797 cups, battery in use ; 500 lbs. sulphate of copper ; 500 lbs. zinc ; 400 battery coppers ; brackets, wire insulators, etc. ; 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, 1,863 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, Roxbury District, composition, 2,938 lbs.

George street School-house, Roxbury District, composition, 4,160 lbs.

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

Lewis School-house, Dale street, Roxbury District, 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, Roxbury District, composition, 4,083 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, Roxbury District, composition, 3,509 lbs.
 Engine-house No. 16, Temple street, Dorchester District, composition, 4,149 lbs.
 Engine-house No. 17, Meeting House Hill, Dorchester District, composition, 4,000 lbs.
 Engine-house No. 18, Harvard street, Dorchester District, composition, 3,184 lbs.
 Engine-house No. 19, Mattapan, Dorchester District, composition, 2,927 lbs.
 Engine-house, No. 20, Walnut street, Dorchester District, composition, 3,061 lbs.
 Engine-house, No. 21, Boston street, Dorchester District, composition, 3,026 lbs.
 Hancock School-house, Parmenter street, composition, 4,090 lbs.
 Repair Shop, corner of Harrison avenue and Wareham street, steel, 1,000 lbs.
 City Hall, Charlestown District, composition, 5,600 lbs.
 Rubber Factory, Charlestown District, composition, 999 lbs.
 Bunker Hill School-house, Charlestown District, 2,009 lbs.
 Warren School-house, Charlestown District, composition, 3,000 lbs.
 Winthrop School-house, Charlestown District, composition, 3,000 lbs.
 Engine-house, Centre street, West Roxbury District, composition.

PUBLIC CLOCKS.

Old South Church, Washington street, corner Milk.
 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, Roxbury District.
 Odd Fellows' Building, Tremont street.
 Boston Young Men's Christian Union Building, Boylston street.
 St. Stephen's Church, corner of Hanover and Clark streets.
 Dudley street, Roxbury District.
 Warren-street M. E. Church, Roxbury District.
 City Hall, Charlestown District.
 High School, Charlestown District.
 Bennett School-house, Brighton District.
 Orthodox Church, West Roxbury District.

DEPARTMENT EXPENSES.

Fire Department.						Fire Alarm Departm't.
Year.	Amount.	Apparatus in service.			Men.	Amount.
		S. E.	H. C.	H. & L.		
1860-61	\$96,291 98	9	9	3	245	\$8,203 81
1861-62	80,419 51	10	9	3	260	6,536 56
1862-63	90,984 50	10	9	3	258	6,775 16
1863-64	109,834 66	10	9	3	266	11,921 76
1864-65	135,730 65	10	9	3	267	12,299 74
1865-66	137,551 92	11	9	3	270	17,070 73
1866-67	151,624 63	11	9	3	281	26,119 18
*1867-68	180,218 46	14	13	4	281	28,098 67
1868-69	229,047 43	14	13	4	358	40,741 91
†1869-70	266,275 29	21	15	7	389	π24,837 67
1870-71	333,891 00	21	14	7	466	**51,964 00
1871-72	399,249 63	21	17	7	472	42,763 89
1872-73	605,310 90	22	16	7	475	40,507 00
†1873-74	591,640 27	\$28	13	11	650	††51,092 49
1874-75	591,848 35	\$29	12	11	650	††35,258 25
1875-76	564,275 49	\$29	11	11	668	††21,497 61

Fire Alarm Telegraph.

*Payments for carrying on the telegraph system of
Fire Alarms.*

Carried forward,

\$2,896,955 73

FIRE DEPARTMENT.

79

Brought forward,

\$2,896,955 73

Salaries :—John F. Ken-

nard, Superintendent, \$2,500 00

Operators and repairers, 12,189 51

Laborers, 265 25

\$14,954 76

Iron work, tools, hardware and sup-
plies,

1,845 54

Instruments and repairs,

1,548 45

Chemicals,

802 02

Boarding and shoeing horse, and re-
pairing buggy and harness,

601 50

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

444 32

Wire,

402 03

Repairs,

270 97

Poles,

237 90

Printing,

179 03

Damages,

115 13

Stationery,

48 19

Furniture, washing and small items,

47 77

*Total for Fire Alarm Department, as per item No.
89 of Treasurer's account,*

21,497 61

Fire Department.

*Payments for this department, including inside re-
pairs 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

Fred. W. Smith, Jr. Clerk, 1,500 00

\$13,500 00

William A. Green, Chief Engineer,

3,300 00

District Engineers and Inspector,

17,589 00

Call Engineers, enginemen, assistant
enginemen, and drivers, and offi-
cers and members of the various
engine, hook and ladder, and hose
companies,

339,792 77

Clerks in office,

3,746 50

Extra men and services under fire-
wards in West Roxbury district,

209 14

Total for Salaries,

\$378,137 41

Carried forward,

\$378,137 41 \$2,918,453 84

<i>Brought forward,</i>	\$378,137 41	\$2,918,458 84
Hay, grain, and straw,	18,342 98	
Hose, hose-pipes and couplings, including repairs,	9,905 48	
Repairs of engines, hose and hook and ladder carriages, fuel and extinguisher wagons, and pungs,	8,819 43	
Fuel for houses, \$7,175 25		
Engines, 1,195 96		
	<hr/>	
Gas,	8,371 21	
	6,228 01	
New apparatus:—		
One "aerial" ladder, \$1,988 00		
One chemical engine, 1,738 75		
Labor and materials for hook and ladder truck, 1,007 37		
Heaters, 922 89		
	<hr/>	
	5,657 01	
Repairs of houses,	4,658 40	
Furniture and bedding, \$1,802 78		
Washing, 2,783 41		
	<hr/>	
	4,086 19	
Shoeing horses,	3,874 77	
Horses,	3,635 00	
Oils and leather preservatives for hose; sperm oil and fluids for engines and lanterns; tools and supplies,	2,772 01	
Machinery and tools for repair shop,	2,505 68	
Harnesses, including repairs, blankets and whips,	1,795 95	
Groceries and provisions for crew of fire-boat "William M. Flanders,"	1,260 00	
Water-rates for engine-houses and fire-boat,	1,250 00	
Printing,	851 51	
Fire hats, badges and buttons,	457 25	
Stationery,	402 07	
Refreshments for members at fires,	307 47	
Ladders and repairs,	283 84	
Hire of horses and pungs on account of snow, and to replace horses disabled,	278 50	
Custom House and Inspectors' charges, and small items,	197 53	
Extinguisher charges,	186 11	
Medical attendance on, and medicine for horses,	169 40	
Cartage and freights,	141 74	
Repairs of reservoirs and hydrants,	135 58	
	<hr/>	
<i>Carried forward,</i>	\$464,700 03	\$2,918,453 84

<i>Brought forward,</i>	\$464,700 03	\$2,918,453 34
Car-fares of employés,	100 84	
Damages by collisions,	85 52	
Calcium light at "Old North"		
Church, April 19, 1875,	62 50	
Carriage hire for Commissioners,	5 50	
Hydrants and Reservoirs:—		
for use of water at fires, \$62,388 00		
Hydrants furnished and		
kept in order under		
direction Cochituate		
and Mystic Water		
Boards,	41,592 00	
	<hr/>	
	103,980 00	
	<hr/>	
		568,933 89
<i>Total for Fire Department, per item</i>		
<i>No. 40 of Treasurer's account,</i>	\$568,801 89	
<i>Add amount drawn by Auditor, but</i>		
<i>not paid,</i>	182 00	
	<hr/>	
	\$568,933 89	
	<hr/>	

FIRE DEPARTMENT.

	1875-76.	1874-75.
Expenses and Salaries,	\$564,275 49	\$591,848 35
Fire Alarm Telegraph,	21,497 61	28,101 16
Bells and Clocks,	3,200 78	2,523 37
Brighton Fire Alarm Extension,		4,633 72
Repairs of Engine Houses,	6,668 43	14,099 45
	<hr/>	<hr/>
	\$595,642 31	\$641,206 05
	<hr/>	<hr/>

Income, 1875-76, \$2,503 07; 1874-75, \$1,864 16.

Fire Alarm Department.

From sale of old material, 16 66
Per item No. 37 of Collector's account.

Fire Department.

From Cochituate Water Board, for salt,	\$342 90	
Use of engines,	107 00	
Heating armories, Charlestown district,	40 00	
Manure,	603 00	
Sale of hose and hose-pipe,	487 44	
“ engine,	500 00	
“ horses,	285 00	
“ miscellaneous materials,	112 62	
Prosecution for illegal sale of kero-		
sene,	5 00	
Fine,	3 45	
	<hr/>	
		2,486 41
<i>Per item No. 168 of Treasurer's ac-</i>		
<i>count,</i>	\$974 52	
<i>Per item No. 36 of Collector's ac-</i>		
<i>count,</i>	1,511 89	
	<hr/>	
	\$2,486 41	
	<hr/>	