

REPORT
OF THE
CITY AUDITOR
OF THE
RECEIPTS AND EXPENDITURES
OF THE
CITY OF BOSTON AND THE COUNTY OF SUFFOLK,
STATE OF MASSACHUSETTS,
FOR THE FINANCIAL YEAR
1892-93.

FEBRUARY 1, 1892, TO JANUARY 31, 1893.
(BOTH INCLUDED.)

CITY DOCUMENT NO. 4.



BOSTON:
ROCKWELL AND CHURCHILL, CITY PRINTERS.
1893.

CITY INCOME.

<i>Fire Department.</i>		
Sale of old material, etc.,	\$855 41	
Licenses to sell powder,	624 00	
Services of engines,	554 00	
Rents of tenements in engine-houses,	366 71	
	<hr/>	2,400 12

CITY PAYMENTS.

<i>Fire Department.</i>		
<i>Payments for this department, including inside repairs on houses :</i>		
Salaries to January 26, 1893, inclusive :		
Commissioners —		
Robert G. Fitch,	\$3,490 24	
John R. Murphy,	3,490 24	
George H. Innis,	3,490 24	
Frederick W. Smith, Jr., Clerk,		
to August 29, 1892, inclusive,	1,400 63	
B. F. Underhill, Jr., Clerk,		
from September 9, 1892,	920 60	
L. P. Webber, Chief Engineer,	3,490 24	
District Chiefs and Inspectors,	21,812 01	
Call Engineers, enginemen, as-		
stant enginemen, and driv-		
ers, and officers and members		
of the various engine, hook-		
and-ladder, and hose com-		
panies,	661,699 96	
Clerks and messenger in office,	5,715 29	
Pensioners,	13,524 89	
	<hr/>	\$718,534 34
Horses :		
Hay, grain, and straw,	\$25,862 99	
Purchase and exchange of,	9,335 00	
Shoeing,	8,528 04	
Harnesses and repairs,	3,840 92	
Horse-hire,	478 50	
Medical attendance and medicine,	424 10	
	<hr/>	48,469 55
Repairs of apparatus, including		
stock sent to repair shop :		
Mechanics,	\$20,429 30	
Materials,	12,333 06	
	<hr/>	32,762 36
<i>Carried forward,</i>	<hr/>	<hr/>
	\$799,766 25	\$8,722,581 66

<i>Brought forward,</i>		\$799,766 25	\$8,722,581 66
New apparatus :			
Three engines,	\$10,175 00		
Three combination chemical and hose-wagons,	4,100 00		
Ladder-truck.	2,750 00		
Thirteen pungs,	1,175 00		
Two hose-wagons,	900 00		
Four wagons,	844 00		
Four hydrant chucks,	500 00		
Three three-horse poles,	225 00		
Whistle,	100 00		
Six trestles,	24 00		
	<hr/>	20,793 00	
Fuel for houses and engines,		16,513 64	
Hose and repairs,		12,973 45	
Furniture and bedding,	\$6,362 28		
Washing,	4,423 44		
	<hr/>	10,785 72	
Gas,		9,641 92	
Repairs of houses,		5,801 33	
Rents,		4,676 29	
Tools and supplies,		4,572 82	
Water-rates,		1,736 40	
Printing,		1,720 05	
Hats, badges, and buttons,		1,125 38	
Electric lighting,		929 92	
Expenses of detailed men,		826 14	
Repairs of reservoirs,		751 91	
Chemicals,		652 50	
Damages,		588 62	
Stationery,		579 61	
Ice,		550 29	
Sidewalk assessments,		318 49	
Watering streets,		251 25	
Advertising,		190 57	
Freights,		168 73	
Instructor of bugle,		60 00	
Refreshments for men at fires,		42 25	
Removing manure,		42 00	
Taxes on engine-house site, Ashmont,		9 76	
Travelling expenses of Commission,		668 30	
Hydrants and reservoirs : for use of water at fires,		11,608 00	
FIRE-ALARM TELEGRAPH AND INSPECTION OF WIRES.			
Salaries: Brown S.			
Flanders, Superin-			
tendent,	\$3,190 72		
Operators, repairers,			
etc.,	45,678 30		
	<hr/>	\$48,869 02	
Wire and cables,	16,216 76		
Instruments, tools, and repairs,	8,424 99		
Repairs,	1,991 05		
Telephone rentals,	1,152 59		
Horses, wagon, and keeping,	1,086 25		
Obtaining correct time,	633 31		
Poles,	448 50		
Cartage and freights,	415 06		
Bell-tower, Ford street, East Boston,	380 00		
	<hr/>		
<i>Carried forward,</i>	\$79,617 53	\$908,344 59	\$8,722,581 66

<i>Brought forward,</i>	\$79,617 53	\$908,344 59	\$8,722,581 66
Car-fares and travelling expenses,	335 97		
Electric-light for clocks,	304 80		
Chemicals,	263 34		
Repairs of clocks,	164 73		
Rent,	120 00		
Maps,	32 50		
Trimming trees,	16 00		
Fuel,	14 55		
Small supplies,	11 25		
	<hr/>	80,880 67	
		<hr/>	989,225 26
\$6.75 of this amount drawn for but not paid.			

ENGINE-HOUSE, ASHMONT.		
Printing,	\$48 88	
Advertising,	2 75	
	<u>\$46 63</u>	
FANEUIL HALL, REPAIRING ROOF.		
Reslating,	\$1,685 52	
FIRE DEPARTMENT BUILDING AND SITE, SOUTH BOSTON.		
<i>Continuation of payments.</i>		
Contractors, McNeil Brothers,	\$7,500 00	
Heating apparatus, Wm. E. Bartlett,	1,100 00	
Fuel,	23 25	
Printing,	19 64	
	<u>\$8,642 89</u>	
FIRE DEPARTMENT HEADQUARTERS, ETC.		
<i>Continuation of payments.</i>		
Contractors, Hascal Dodge & Co.,	\$38,000 00	
Driving tests,	75 63	
Printing,	57 84	
	<u>\$38,132 97</u>	
<i>Carried forward,</i>	\$38,132 97	\$13,480,861 04
<i>Brought forward,</i>	\$38,132 97	\$13,480,861 04
Advertising,	5 62	
	<u>\$38,138 59</u>	
FIRE DEPARTMENT, HOSPITAL FOR HORSES.		
Printing,	\$24 51	
Advertising,	5 00	
	<u>\$29 51</u>	
HOSE-HOUSE No. 7, REPAIRS.		
<i>Continuation of payments.</i>		
Remodelling, John Mack, Jr.,	\$11,819 43	
Alteration of Northampton-street car-stable, for occupancy during repairs,	1,172 00	
Heating apparatus, Albert B. Franklin,	1,037 00	
Plumbing, Thomas F. Carey,	840 00	
Combination light fixtures,	70 00	
Printing,	56 32	
	<u>\$14,994 75</u>	
LADDER-HOUSE, GROVE HALL, SITE.		
Land on Washington street,	\$5,000 00	

Fire Department and Fire-Alarm Telegraph.

Exclusive of repairs on buildings.

Year.	Amount.	Apparatus in service.				Men.
		S.E.	H.C.	C.E.	H.&L	
1883-84	\$632,670 10	32	10	6	13	694
1884-85	602,577 81	32	10	6	14	686
1885-86	690,524 57	32	10	6	14	687
1886-87	705,443 03	32	10	7	14	689
1887-88	766,640 51	33	9	8	15	690
1888-89 ..	847,520 61	34	8	9	16	738
1889-90	854,799 38	34	9	10	16	757
1890-91	\$ 985,248 53	38	8	10	16	774
Nine months ending Jan. 31, 1892	777,941 50	40	6	10	17	763
1892-93	983,423 93	43	6	10	17	835

CITY PROPERTY.

POLICE STATION-HOUSES.

Lock up ... | Centre st., West Roxbury... | 1,628 | In old engine-house.

FIRE DEPARTMENT.

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

ENGINE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1 . . .	Dorchester st.	5,698	Addition built 1874. Municipal Court, Ward room 15, and two class-rooms, branch of Bigelow School, in this building.
2 . . .	Cor. of O and Fourth sts. . .	4,000	
3 . . .	Bristol st. and Harrison ave.,	4,000	Ladder 3 in this building.
4 . . .	Bulfinch st.	6,098	Chemical Engine 1, Lancers' Armory and water-tower in this building.
5 . . .	Marion st., E.B.	1,647	
6 . . .	Leverett st.	2,269	
7 . . .	Kearney st.	1,893	
8 . . .	Salem st.	2,568	
9 . . .	Paris st., E.B.	4,000	Ladder 2 in this building.
10 . . .	River st.	1,866	
11 . . .	Saratoga and Byron sts. . .	10,000	
12 . . .	Dudley st.	7,320	
13 . . .	Cabot st.	4,832	Remodelled, 1870.
14 . . .	Centre st.	5,713	
15 . . .	Dorchester ave., S.B. . . .	2,843	
16 . . .	River st., Dorchester . . .	12,736	Ladder 6 in this building.
17 . . .	Meeting-house Hill, Dorches- ter		Ladder-house 7 on this lot.
18 . . .	Harvard st., Dorchester . .	10,225	
19 . . .	Norfolk st., "	7,683	
20 . . .	Walnut st., "	9,000	
21 . . .	Boston st., "	9,355	
22 . . .	Dartmouth st.	4,483	
23 . . .	Northampton st.	3,445	
24 . . .	Cor. Warren and Quincy sts.,	4,186	
25 . . .	Fort Hill sq.	4,175	Ladders 8 and 14 in this building.
26 . . .	Mason st.	5,623	Engine 35 in this building.
27 . . .	Elm st., Charlestown. . . .	2,600	
28 . . .	Centre st., West Roxbury . .	10,377	Ladder 10 in this building.
29 . . .	Chestnut Hill ave., Brighton,	14,358	Ladder 11 in this building.
30 . . .	Mt. Vernon st., W. Roxbury,	16,275	
32 . . .	Bunker Hill st.	8,188	
33 . . .	Cor. Boylston and Hereford sts.	5,616	Ladder 15 in this building.
34 . . .	Western ave., Brighton . .	4,637	
36 . . .	Monument st.	5,668	
37 . . .	Cor. Longwood and Brook- line aves.	5,400	Chemical Engine 3.
38-39 .	Congress st., S.B.	4,000	
40 . . .	Sumner st., E.B.	4,010	Remodelled, 1870.
41 . . .	Harvard ave., Brighton . . .	6,112	Chemical Engine 6 in this build'g.
42 . . .	Washington st., Egleston sq.,	3,348	Chemical Engine 5 in this build'g.
CHEMICAL ENGINE-HOUSES.			
No. 2 . . .	Church st.	3,412	
4 . . .	Poplar st., cor. Washington, West Roxbury	14,729	Ladder 16 in this building.
7 . . .	Chelsea st.	1,346	
8 . . .	B st., S.B.	1,804	
10 . . .	Kustis st.	1,754	

HOSE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 3 . . .	Winthrop st.	3,000	Armory in building-
5 . . .	Shawmut ave.	889	
7 . . .	Tremont st.	4,850	Ladder 12 in this building.
8 . . .	North Grove st.	3,918	
10 . . .	Washington Village	1,610	
12 . . .	Fourth st.	3,101	Remodelled, 1870.

HOOK-AND-LADDER-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1 . . .	Friend st.	1,676	
2 . . .	Paris st., E.B.		See Engine-house 9.
3 . . .	Harrison ave.		See Engine 3.
4 . . .	Dudley st.	3,923	
5 . . .	Fourth st.	2,469	
6 . . .	River st., Dorchester		See Engine-house 16.
7 . . .	Meeting-house Hill		See Engine 17.
8 . . .	Fort Hill sq.		See Engine 25.
9 . . .	Main st., Charlestown	4,290	Chemical 9 in this building.
10 . . .	Centre st., W.R.		See Engine-house 28.
13 . . .	Washington, near Dover st.	1,007	
14 . . .	Fort Hill sq.		See Engine-house 25.
15 . . .	Boylston, cor. Hereford st.		Engine 33 in this building.
16 . . .	Roslindale		See Chemical Engine 4.
17 . . .	Harrison ave.	2,134	

MISCELLANEOUS.

	Location.	No. of feet in lot.	Remarks.
Repair-shop	Albany st.	23,663	Lock-up in this building.
Fire Dept. H'dquarters,	Bristol st.		
Fuel-house	Salem st.	417	
Fuel-house	Main st., Charlestown,	2,430	
Engine-house	Centre st.	1,628	
Ladder-house	Washington st., Dorch.	5,624	
Lot, Engine-house	Andrew sq.	5,133	

STEAM FIRE-ENGINES. — Thirty-nine in service, located as follows: Twelve in city proper; four in East Boston; five in South Boston; five in Roxbury District; six in Dorchester; three in Charlestown; two in West Roxbury; and two in Brighton.

FIRE-BOAT. — One; located India Wharf.

HORSE HOSE CARRIAGES AND WAGONS. — Forty-five, located as follows, viz.: Fourteen in city proper; four in East Boston; seven in South Boston; six in Roxbury; six in Dorchester; four in Charlestown; two in West Roxbury; and two in Brighton.

HOOK-AND-LADDER CARRIAGES. — Seventeen in service, located as follows, viz.: Seven in city proper, including five extension-ladder trucks; one in East Boston; two in Roxbury; one in South Boston; two in Dorchester; one in Charlestown; two in West Roxbury; and one in Brighton; and an Aerial Ladder in the city proper.

CHEMICAL ENGINES. — Ten in service, self-acting, located as follows: Two in the city proper; one in East Boston; one in Charlestown; one in South Boston; three in Roxbury; one in West Roxbury; and one in Brighton.

WATER-TOWERS. — Two located in city proper.

PORTABLE EXTINGUISHERS. — Carried on all of the ladder trucks and hose wagons, and located in the department houses.

HORSES. — Two hundred and twenty-eight.

FUEL-WAGONS. — Thirty-five, 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. — Sixteen engineers' (thirteen in service and three in reserve) and two commissioners' buggies.

PUNGS. — Forty-four; forty for carrying hose, two for jobbing, and two for fire-alarm branch. Engineers' sleighs, six. Commissioners' sleighs, two.

FIRE-LADDERS. — Two hundred and fifty, of different sizes.

HOSE. — About 90,000 feet of leading, and 1,000 feet of suction.

SPARE APPARATUS. — Nine steam fire-engines, and six hose-carriages. Five hook-and-ladder carriages, and two chemical engines, 1 hose pung, 5 salt pungs, 3 hose wagons, 2 combination wagons, 3 engineers' wagons.

RESERVOIRS. — Two hundred and thirty-eight, of which thirteen are located at East Boston; eighteen at South Boston; forty-one in Roxbury; eleven in Dorchester; thirty-eight in Charlestown; nineteen in West Roxbury; three in Brighton; 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 Cochituate and Mystic water, except in West Roxbury and Brighton.

REPAIR-SHOP. — In the repair-shop, one 25-horse power steam-engine, cylinder 9 by 31 inches, Putnam Machine Co.; two 20-horse power upright tubular boiler; one 26-inch by 26-inch iron planer, 8 ft. table, 12-ft. bed; two 14-inch swing engine-lathes, 6 ft. bed; one 14-inch swing engine-lathe, 10 ft. bed; one No. 2 upright drill; 4 blacksmith's forges; one furnace for heating tires; one 28-inch swing standard engine lathe; one 14-inch speed lathe, 5 ft. bed; one 14-inch swing patent engine lathe, 5 ft. bed; one 25-inch shaping machine; one 68-inch radial drill; one 26 by 26-inch iron planer, 12 ft. bed, 8 ft. table; one patent gooseneck belt drill; one band saw; one circular saw; one monarch boring machine; together with numerous smaller tools and appliances, and also tools for repairing hose and harness.

HYDRANTS. — For supplying water in cases of fire, 6,180, viz.: in the city proper, 1,486; in South Boston, 581; in East Boston, 384; in Roxbury, 992; in Dorchester, 1,196; in West Roxbury, 742; in Brighton, 428; in Charlestown, 327; and 16 on Deer Island. The hydrants are located at a distance of 250 to 300 feet from each other.

TELEGRAPHIC FIRE-ALARM.

Magnetic Fire-Alarm Apparatus, the whole cost of which is about \$135,000; working lines of wire, about 615 miles; signal-boxes in use, 556; striking-machines, 35; gongs, 132; box gongs, 66; tappers, 17; vibrators, 6; local registers in department houses, 44; clocks, one electric watch clock; two repeating three-dial clocks for striking signals; one magneto-electric machine; relays, 65; eighteen-pen registers, 2; office bells, 7; telegraph keys, in use, 36; telephones in use, 69; long-distance telephones, 10; 2 switch-boards; 40 galvanometers; 2 portable rheotopes; 1 fire-apparatus covering map; 1 type-writer; 1 chronometer; 1 telephone switch-board at headquarters; 1 do. in chief's office; one set telegraphic apparatus in Superintendent's house; 8 sets telegraphic apparatus in assistants' house; 1,800 battery cups in use at central office; 50 cups dry battery in house of Engine No. 15; 60 do. in house of Engine No. 25; 80 do. in house of Engine No. 9; 50 do. in house of Engine No. 10; 50 do. in house of Engine No. 14; 50 do. in house of Engine No. 23; 40 spare battery cups; 329 spare porous cups; 1,800 lbs. sulphate of copper; 500 lbs. zinc; brackets; wire; insulators, etc.; office furniture, bedsteads, bedding, and sundry articles.

IN OFFICE OF INSPECTOR OF WIRES.

1 high current testing-board; 1 volt-meter; 1 am-meter; 1 mil-am-meter; 6 galvanometers; 2 high-resistance generators; 1 rheostat; 1 chlo. silver dry cell battery; 1 typewriter; 1 copying press; 1 safe.

BELLS OWNED BY THE CITY.

Location.	Material.	Weight in lbs.
<i>City Proper.</i>		
Dean School-house, Wall Street	Composition.	712
Faneuil Hall.....	Steel.	5,816
Phillips School-house, Anderson Street, cor. Pinckney Street,	Composition.	900
Quincy School-house, Tyler Street.....	"	2,941
Rice School-house, Appleton Street.....	"	3,042
Wells School-house, Blossom Street.....	"	1,675
<i>Charlestown.</i>		
Bunker Hill School-house	Composition.	2,009
City Hall	"	3,600
Rubber Factory....	"	999
Warren School house.....	"	3,000
Winthrop (old) School-house	"	3,000
Van Nostrand's Brewery.....	"	818
<i>East Boston.</i>		
Adams School-house, Webster Street.....	Steel.	2,995
Chapman School house, Kutaw Street.....	"	3,109
Engine-house, No. 40, Orleans Street.....	Composition.	517
Princeton-street School house.....	"	2,470
Saratoga-street M. E. Church.....	Steel.	1,968
Trinity Church, Trenton Street.....	Composition.	1,760
<i>South Boston.</i>		
Engine-house, No. 1, Dorchester Street.....	Composition.	2,911
Engine-house No. 2, Fourth Street.....	"	800
Lawrence School-house, B Street	Steel.	3,400
Lincoln School-house, Broadway.....	Composition.	3,110
Ticknor School-house, Dorchester Street.....	Steel.	2,995
<i>Dorchester.</i>		
Engine-house No. 16, Temple Street	Composition.	4,149
Engine-house No. 17, Meeting-house Hill.....	"	4,000
Engine-house No. 18, Harvard Street.....	"	3,184
Engine house No. 19, Mattapan	"	2,927
Engine-house No. 20, Walnut Street	"	3,061
Engine-house No. 21, Boston Street.....	"	3,026
<i>Roxbury.</i>		
Walpole-street School-house.....	Composition.	2,958
George-street School-house	"	4,160
Hook and Ladder house No. 4, Dudley Street	"	3,509
Lewis School-house	"	3,104
Smith-street School-house	"	4,083
<i>West Roxbury.</i>		
Chemical Engine house No. 4, Roslindale.....	Composition.	1,059
Engine-house No. 28, Centre Street	"	4,000
Engine-house No. 30, Mt. Vernon Street	Steel.	1,000
<i>Brighton.</i>		
Engine-house No. 29, Chestnut-hill Avenue.....	Steel.	1,535
Engine-house No. 34, Western Avenue	Composition.	1,501

AT APPARATUS REPAIR-SHOP.

Bell formerly used on house of Chemical Engine 5; one composition bell, 400 lbs., formerly used on house of Chemical Engine 4, Roslindale, and two small bells from other locations; 1 whistle machine.

PUBLIC CLOCKS.

City Proper. — Christ Church, Salem street; Odd Fellows' Hall, Tremont street; Old South Church; Suffolk County Jail; State-street Clock; St.

Stephen's Church, Clark street; Tremont-street M. E. Church; Young Men's Christian Union.

South Boston. — Bigelow School-house; Gaston School-house; Lincoln School-house; Phillips Church; St. Augustine Church; Ticknor School-house.

East Boston. — London-street Church; Lyceum Hall; Trinity Church.

Boston Highlands. — Winthrop-street Church; Metropolitan Stables, Tremont street; Roxbury High School.

Dorchester. — Tileston School-house; Baker Memorial Church, Upham's Corner.

Charlestown. — City Hall; High School-house.

Brighton. — Bennett School-house.

TRUST FUNDS.

BOSTON FIREMEN'S RELIEF FUND.

By Chapter 107 of the Acts of 1880, the Mayor of the City of Boston for the time being (and his successors in office), the Board of Fire Commissioners of the City of Boston for the time being (and their successors in office), were

constituted a body corporate for the purpose of receiving and holding all sums of money, and real and personal estate, not exceeding in the aggregate two hundred thousand dollars, which may be given, granted, bequeathed, or devised to it for the benefit of members of the Boston Fire Department, or their families, requiring assistance, or for the benefit of any persons, or the families of any persons, who have been such members, requiring assistance. The property so held shall be known as the Boston Firemen's Relief Fund. The said body corporate shall have authority to manage and dispose of the same and the income thereof according to their best discretion, subject to the provisions of any and all trusts which may be created for the purposes aforesaid.

In accordance with the provisions of the foregoing act, the following-named persons, viz. : the Mayor, Nathan Matthews, Jr. ; Fire Commissioners Robert G. Fitch, John R. Murphy, and George H. Innis,—now constitute the Board of Trustees. Nathan Matthews, Jr., Mayor, President; John R. Murphy, Treasurer; Benjamin F. Underhill, Jr., Clerk.

The following was the condition of the fund January 31, 1893 :

One City of Boston Three and one-half per cent. Bond	\$8,000 00
Eleven City of Boston Four per cent. Bonds	88,000 00
One " " Five " Bond	8,000 00
Cash on hand	1,566 59
					<hr/>
					\$105,566 59
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