

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  
1893-94.

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FEBRUARY 1, 1893, TO JANUARY 31, 1894.  
(BOTH INCLUDED.)

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CITY DOCUMENT NO. 4.



BOSTON:  
ROCKWELL AND CHURCHILL, CITY PRINTERS.  
1894.

## CITY INCOME.

### *Fire Department.*

Licenses to sell powder,	\$743 00	
Sale of old material, etc.,	356 30	
Rents of tenements in engine-houses,	350 04	
	<hr/>	1,449 84

## CITY PAYMENTS.

### *Fire Department.*

*Payments for this department, including inside repairs on houses :*

Salaries to January 25, 1894, inclusive :

Commissioners —		
Robert G. Fitch,	\$3,490 24	
John R. Murphy,	3,490 24	
George H. Innis,	3,490 24	
B. F. Underhill, Jr., Clerk,	2,393 56	
L. P. Webber, Chief Engineer,	3,490 24	
District Chiefs and Inspectors,	22,118 33	
Enginemen, assistant engine-		
men, and drivers, and offi-		
cers and members of the		
various engine, hook-and-		
ladder, and hose companies,	686,326 72	
Clerks and messenger in office,	5,688 75	
Pensioners,	23,415 48	
Extra-service men,	1,024 59	
	<hr/>	\$754,923 39
Horses :		
Hay, grain, and straw,	\$28,741 31	
Purchase and exchange of,	12,395 00	
Shoeing,	10,190 54	
Harnesses and repairs,	5,805 36	
Horse-hire,	1,899 50	
Medical attendance and medicine,	473 18	
	<hr/>	59,004 89
Repairs of apparatus, including		
stock sent to repair shop :		
Mechanics,	\$19,770 64	
Materials,	9,889 73	
	<hr/>	29,660 37
Fuel for houses and engines,		22,770 36
Hose and repairs,		19,114 48
Gas,		9,197 71
Furniture and bedding,	\$4,541 95	
Washing,	4,417 09	
	<hr/>	8,959 04
Repairs of houses,		7,841 88
	<hr/>	<hr/>
<i>Carried forward,</i>	\$911,472 12	\$12,454,793 95

## CITY PAYMENTS.

<i>Brought forward,</i>		\$911,472 12	\$12,454,793 95
Tools and supplies,		6,717 74	
New apparatus :			
Eight wagons,	\$1,900 00		
Twenty-four extinguishers,	600 00		
Twelve life-nets,	600 00		
Hose-wagon,	450 00		
Three three-horse poles,	225 00		
	<hr/>	3,775 00	
Rents,		2,919 33	
Printing,		2,483 60	
Water-rates,		1,889 80	
Electric lighting,		991 73	
Stationery and maps,		849 76	
Chemicals,		779 92	
Damages,		675 74	
Hats, badges, and buttons,		642 17	
Refreshments for men at fires,		628 61	
Ice,		500 64	
Expenses of detailed men,		479 34	
Watering streets,		282 00	
Compiling special statutes re-			
lating to Fire Department,		250 00	
Sewer assessment,			
Byron street,	\$99 21		
Sewer assessment,			
Rockland street,	68 51		
	<hr/>	\$167 72	
Sidewalk assessment, Harvard			
street, Ward 24,	56 28		
	<hr/>	224 00	
Expenses of collecting informa-			
tion regarding large cities of			
the United States, for City			
Council Committee,		138 98	
Freights,		75 18	
Advertising,		65 07	
Telephone service,		60 14	
Travelling expenses of Commission,		450 50	
Hydrants and reservoirs : for use of water at			
fires,		12,268 00	
FIRE-ALARM TELEGRAPH AND INSPECTION OF			
WIRES.			
Salaries : Brown S.			
Flanders, Super-			
intendent,	\$3,190 72		
Operators, repairers,			
etc.,	43,989 00		
	<hr/>	\$47,179 72	
Instruments, tools, and repairs,	8,034 34		
Wire and cables,	6,403 58		
Repairs,	3,262 24		
Telephone service,	1,226 81		
Car-fares and travelling expenses,	578 84		
Poles,	533 25		
Obtaining correct time,	400 00		
Clock, Orient Heights Church,	400 00		
Horse-keeping,	394 46		
Maps and plans,	317 37		
Chemicals,	315 74		
Repairs of clocks,	304 47		
Electric-light for clocks,	268 50		
	<hr/>		
<i>Carried forward,</i>	\$69,619 32	\$948,619 37	\$12,454,793 95
 <i>Brought forward,</i>	\$69,619 32	\$948,619 37	\$12,454,793 95
Trimming trees,	206 00		
Cartage and freights,	149 11		
Stationery,	82 04		
Refreshments for men,	36 80		
	<hr/>	70,093 27	

<b>ENGINE-HOUSE, ASHMONT:</b>		
<i>Continuation of payments.</i>		
Contractor, James Fagan,	\$15,000	00
Expert services on boiler,	75	00
Fuel,	52	00
Typewriting,	6	50
	<u>\$15,133</u>	<u>50</u>
<b>FIRE DEPARTMENT BUILDING AND SITE, SOUTH BOSTON.</b>		
<i>Continuation of payments.</i>		
Contractors, McNeil Brothers,	\$7,000	00
Plumbing, Bosworth & French,	1,239	37
Heating apparatus, Wm. E. Bartlett,	447	86
Gas-fixtures, E. R. & E. H. Tarbell,	98	00
	<u>\$8,785</u>	<u>23</u>
<b>FIRE DEPARTMENT HEADQUARTERS, ETC.</b>		
<i>Continuation of payments.</i>		
Contractors, Hascal Dodge & Co.,	\$25,000	00
Boiler-house, Hascal Dodge,	7,400	00
Steam plant, Ingalls & Kendricken,	5,200	00
Heating and ventilating, Ingalls & Kendricken,	2,500	00
Electric-lighting plant and wiring, Godfrey Electric Construction Co.,	1,772	00
Plans, etc., for steam plant,	436	50
Shoring up building,	337	00
Copper work,	242	00
Printing,	124	45
Advertising,	44	50
	<u>\$43,056</u>	<u>45</u>
<b>LADDER HOUSE, No. 1.</b>		
Erecting temporary quarters, Hawkins street,	\$1,967	00
Printing,	64	60
Advertising,	11	50
	<u>\$2,043</u>	<u>10</u>

PUBLIC INSTITUTIONS.

FIRE DEPARTMENT AND FIRE ALARM TELE-  
GRAPH.

Year.	Apparatus in service.				Men.	Repairs, Fire Department Buildings.	Erection, Fire Department Buildings.
	S.E.	H.C.	C.E.	H.&L.		Amount.	Amount.
1884-85 .....	32	10	6	14	686	\$21,841 12	\$64,617 74
1885-86 .....	32	10	6	14	687	19,088 82	61,989 41
1886-87 .....	32	10	7	14	689	15,334 46	72,413 15
1887-88 .....	33	9	8	15	690	13,162 60	56,877 39
1888-89 .....	34	8	9	16	738	27,241 22	30,377 65
1889-90 .....	34	9	10	16	757	25,149 51	20,197 80
1890-91 .....	38	8	10	16	774	29,293 03	99,046 37
Nine months ending Jan. 31, 1892.....	40	6	10	17	763	26,173 09	54,158 39
1892-93 .....	43	6	10	17	835	39,248 01	51,857 62
1893-94 .....	43	5	<sup>2</sup> 11	17	794	15,665 45	69,018 28

In addition to the above there is an Aerial Ladder and 2 Water Towers in service.  
<sup>1</sup> Fire Boat included.  
<sup>2</sup> Includes 2 Combination Wagons.

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 classes, 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' Ar- mory and water-tower in this building.
5 . . .	Marion st., E.B. . . . .	1,647	
6 . . .	Leverett st. . . . .	2,269	
7 . . .	East 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. . . . .	4,463	
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. . . . .	5,646	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 building.
42 . . .	Washington st., Egleston sq.,	3,348	Chemical Engine 5 in this building.
43 . . .	Andrew sq. . . . .	5,133	
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 . . .	Eustis 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. . . . .	4,350	Ladder 12 in this building.
8 . . .	North Grove st. . . . .	3,918	
Combina- tion Wagon No. 2 . . .	Fourth st. . . . .	3,101	Remodelled, 1870.

## HOOK-AND-LADDER HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1 . . .	Friend st. . . . .	1,876	
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	

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

**FIRE-BOAT.**—One; located India Wharf.

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

**HOOK-AND-LADDER CARRIAGES.**—Seventeen in service, including five extension ladder trucks, located as follows, viz.: Seven in city proper; 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.

**COMBINATION WAGONS.**—Two in service, located as follows: One in West Roxbury; one in South Boston.

**CHEMICAL ENGINES.** — Nine 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, 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 thirty.

**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-five; forty for carrying hose, two for jobbing, and three 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. Seven hook-and-ladder carriages and two chemical engines, two hose-pungs, four salt-pungs, three hose-wagons, three 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 100-horse power upright tubular boilers; 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, 6,351, viz.: in the city proper, 1,513; in South Boston, 588; in East Boston, 384; in Roxbury, 1,016; in Dorchester, 1,249; in West Roxbury, 804; in Brighton, 443; in Charlestown, 331; on Deer Island, 16; on Long Island, 4; on Thompson's Island, 2; and on Rainsford Island, 1. 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 \$161,000; working lines of wire, about 705 miles; signal-boxes in use, 565; striking-machines, 23; gongs, 135; box gongs, 69; tappers, 11; vibrators, 5; local registers in department houses, 44; one electric watch clock; one repeating three-dial, and one four-dial machine for striking signals; one magneto-electric machine; relays, 74; eighteen-pen registers, 2; office-bells, 7; telegraph keys, in use, 36; main circuit annunciators, 36; local do., 36; fuse-boards for protecting circuits, 2; telephones, 74; long-distance telephones, 10; lineman's telephone, 1; 1 switch-board; 1 plug switch-board; 50 galvanometers; 2 portable rheotropes; 1 fire-apparatus covering map; 1 typewriter; 1 chronometer; 1 telephone switch-board at headquarters; 1 do. in chief's office; one set telegraphic apparatus in inspector's house; 9 sets telegraphic apparatus in assistants' houses; 2,046 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; 14 spare battery cups; 203 spare porous cups; 300 lbs. sulphate of

copper; 300 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; 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>		
Faneuil Hall.....	Steel.	5,816
Quincy School-house, Tyler Street.....	Composition.	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
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, Eutaw Street.....	"	3,109
Engine-house No. 40, Orleans Street.....	Composition.	817
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 .....	"	3,067
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 FIRE-ALARM REPAIR-SHOP.

Bell formerly used on Phillips School-house, composition, 900 lbs.; bell formerly used on house of Chemical Engine 5; one composition bell, 400 lbs., formerly used on house of Chemical Engine 4, Roslindale; one composition bell, 400 lbs., formerly used on house of Chemical Engine 6; 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; Orient Heights 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.



## 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; Michael J. Lafferty, Clerk.

The following was the condition of the fund January 31, 1894.

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	.	.	.	.	3,737 17
					<u>\$107,737 17</u>