

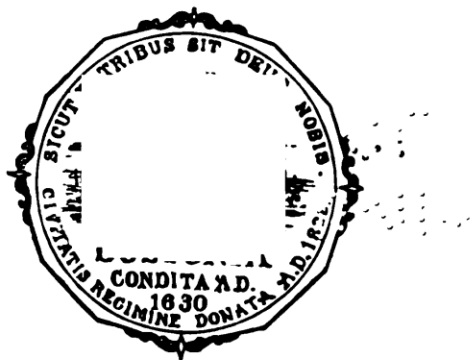
AUDITOR OF ACCOUNTS'  
FIFTY-SEVENTH ANNUAL REPORT  
OF THE  
RECEIPTS AND EXPENDITURES  
OF THE  
CITY OF BOSTON AND THE COUNTY OF SUFFOLK,  
STATE OF MASSACHUSETTS,  
FOR THE FINANCIAL YEAR  
1868-69.

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MAY 1, 1868, TO APRIL 30, 1869.  
(BOTH INCLUDED.)

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CITY DOCUMENT, No. 61.



BOSTON:  
ALFRED MUDGE & SON, CITY PRINTERS, 34 SCHOOL STREET.  
1869.

## EXPENSES OF THE DEPARTMENTS.

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### AUDITOR'S REPORT.

#### FIRE DEPARTMENT.

	1868-69.	1867-68.
Expenses and Salaries,	\$229,047 43	\$180,218 46
Fire-Alarm Department,	40,741 91	23,998 67
Repair of Engine Houses,	14,963 69	26,237 40
	<u>\$284,753 03</u>	<u>\$230,454 53</u>

Income, 1868-69, \$1,494.10; 1867-68, \$844.12.

### NEW PUBLIC BUILDINGS.

NEW HOSE HOUSE AND WARD ROOM, WARD 9, *Church Street, between Fayette and Melrose Streets.*—This is a structure of brick, having its Street Façade relieved by white granite doorway and window trimmings, together with corner piers and quoins of brick, and entablature of wood, sanded in imitation of stone, forming a very pleasing though inexpensive street front, which is surmounted by a well proportioned French roof. The structure measures 48 feet in width by 61 feet in depth, in its first story, and is of two finished stories in height, besides an unfinished cellar story. The first and second stories are arranged as follows: First story, Ward Room, occupying about one-half the area of the story, and measuring 60 feet by 25 feet; and hose carriage room of 34 feet by 20½ feet, with stable for two horses in rear, together with hose tower, water closet, wash room, hay room and two closets. The first story is of 12 feet clear height, and is most amply lighted from an enclosed yard in rear of the building, facing Knox Place, and accessible therefrom for supplies and other needful purposes.

The second story is arranged with parlor, kitchen, bedroom and store room (over the Ward Room), and with two bedrooms, bath room, sink room and staircase, and its hall over the hose house. The second story has a depth of 37½ feet only from

street front, and the hose tower is continued up (outside this story) to a total height of 44½ feet above first story floor level.

The marked improvement in the taste of the exteriors of the recently erected Hose and Engine Houses over most of their predecessors of former years is most gratifying, and reflects credit on all the Committees in charge, to whom the Architect is always indebted in great degree for the opportunity to plan and erect structures of taste, as well as convenience and adaptation for the purposes intended. Messrs. BRYANT & ROGERS were the Architects of the building thus briefly described. Contractors — Mason, EDWIN ADAMS; Carpenters, MORRISON & SHAW.

### ***Bell Towers, Boston Highlands.***

*Payments for erecting Bell Towers in the Boston Highland District for the reception of Bells therein placed by the Fire Alarm Department,*

Contractors for material and construction,	\$4,125 27
Vane, — Engine No. 12's House,	150 00
Drawings and plans,	100 00

*Total for Bell Towers Boston Highlands, as per item No. 13 of Treasurer's account,*

4,375 27

### ***Fire Alarms.***

*Payments for carrying on the Telegraph System of Fire Alarms, including extension into Boston Highlands, viz :*

Salaries : John F. Kennard, Superintendent,	\$2,500 00	
Operators and repairers,	10,333 00	
		\$12,833 00
Gong striking machines, etc., including repairs of all machinery,		2,829 70
Automatic machines for signal boxes at East Boston and northern portion of the city,		1,776 00
Two striking machines for bells,		660 00
Alterations and repairs on bell towers, repairs of damages by wires, etc.,		657 23
Iron work, brackets etc.,		294 82
Chemicals etc.,		257 87
Wire,		232 10
Laborers,		92 17
Tools and hardware,		89 05
Cartage, car fares, hoisting bell and sundry small items,		318 30
Furniture, bedding, etc.,	\$226 20	
Washing bed clothes, etc.,	59 56	
		285 76
Printing and stationery,		205 15
Photographs, including frames, of former Chairmen of Committees on Fire Alarms,		239 00
Horse and buggy hire for Superintendent,		36 00
Expenses of Committee on Fire Alarms of 1868,		850 42
Photographs, including frames, of same committee,		171 00
Carriage hire,		6 50
Total ordinary expenses,		\$21,834 07
Carried forward,		\$21,834 07 \$2,121,980 56

<i>Brought forward,</i>	\$21,834 07	\$2,121,980 56
<b>EXTENSION OF TELEGRAPHIC SYSTEM INTO BOSTON HIGHLANDS.</b>		
Four steel bells,	\$5,603 20	
Labor,	2,174 00	
Wire,	1,518 60	
Signal boxes,	1,450 00	
Bell striking machines,	1,332 00	
Gong striking machines,		
screws, cups, etc.,	980 23	
Telegraph poles,	1,002 00	
Carpenters' work, including		
stock,	871 43	
Weights for striking ma-		
chines,	700 15	
Iron-work — brackets, etc.,	664 52	
Hoisting bells into towers,	220 00	
Cartage, car fares and sun-		
dry small items,	270 49	
Three dial repeater for office,	750 00	
Chemicals,	220 54	
Printing,	88 83	
Horse and buggy hire for		
Superintendent,	342 00	
Expenses of Committee on		
Fire Alarms of 1868, viz :		
Visiting Troy, Albany, etc.,	200 00	
Other expenses,	468 00	
Carriage hire,	16 00	
Expenses of Committee on		
Fire Alarms of 1869,	35 85	
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	18,907 84	
<i>Total for Fire Alarms, as per item No. 28 of Treasurer's account,</i>		40,741 91

***Fire Department.***

*Payments for this Department, exclusive of the Fire Alarm System, Repairs on Engine and Hook and Ladder and Hose Carriage Houses, viz :*

Salaries : John S. Damrell, Chief En-		
gineer,	\$2,500 00	
Henry W. Longley, Secretary to		
Board of Engineers,	1,300 00	
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<i>Carried forward,</i>	\$3,800 00	\$2,162,722 47

FIRE DEPARTMENT.

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<i>Brought forward,</i>	\$3,800 00	\$2,162,722 47
Assistant Engineers,	6,317 61	
Enginemmen, drivers, and officers and members of the various engine, hook and ladder and hose companies,	149,549 03	
Extra services of members for which the City is reimbursed by parties employing the apparatus; also for care of hose, etc., and at fires,	758 31	
Inspector of wooden buildings and steam boilers,	1,033 50	
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Total for salaries,	\$161,458 45	
Repairs of engines, hose carriages, hook and ladder carriages, and fuel wagons,	8,717 52	
Hose, hose-pipes and couplings, including repairs.	8,086 68	
New apparatus, viz: one steam fire engine,	\$3,750 00	
Four four-wheel Hose carriages,	2,400 00	
Two express wagons,	600 00	
Three pungs,	375 00	
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	7,125 00	
Fire hats and badges, including painting and repairs,	1,740 32	
Ladders, rakes, axes, lanterns, etc.,	930 48	
Lowry hydrant heads,	790 00	
Spanners, spanner belts and hose lines,	296 50	
Hay, grain, straw, etc.,	8,707 07	
Horses,	2,925 00	
Harnesses, etc., including repairs,	2,059 60	
Shoeing horses,	1,390 93	
Hire of a pair of horses and a driver for Hook and Ladder No. 1 (10½ months),	1,450 00	
Hire of a pair of horses and a driver for Hook and Ladder No. 4 (one year),	700 00	
Hire of horses and pungs on account of snow, and horses to replace those sick and lame,	923 99	
Medical attendance and medicine for sick horses,	269 55	
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<i>Carried forward,</i>	\$207,571 09	\$2,162,722 47

<i>Brought forward,</i>		\$207,571 09	\$2,162,722 47
Furniture, bedding, stoves, etc.,		4,251 14	
Washing bed clothes,		802 86	
Gas for the houses,		2,229 21	
Fuel for the houses,		1,753 51	
Fuel for the engines,		1,710 03	
Water rates,		542 00	
Neatsfoot oil and leather preserva-			
tives for engine hose; sperm oil,			
fluids, etc, for engines and lanterns,		1,058 85	
Cartage, expressing, etc.,		1,144 71	
Soap and small supplies,		794 22	
Stable furniture, tools, etc.,		454 27	
Hose troughs, small repairs and sun-			
dry small items,		1,011 69	
Signs for several houses,		158 80	
Removing saw dust from a cellar, con-			
sidered dangerous,		122 00	
Reservoirs: Repairs,	\$190 26		
Water rates and filling,	140 00		
		330 26	
Hydrants, signs, finding distances, etc.,		280 10	
Badges, viz.: Gold for			
Assistant Engineers,	\$210 00		
Silver for members,	361 75		
		571 75	
Wagon, harness, repairs, etc., and			
shoeing horse, used by Chief En-			
gineer,		435 74	
Printing and advertising,		427 28	
Stationery and stamps,		206 45	
Allowed to firemen for injuries re-			
ceived while on duty,		275 00	
Refreshments for members while on			
duty,		222 78	
Entertaining Trenton Hose Company,		425 53	
Expenses of Chief Engineer to New			
York, Philadelphia, etc.,		173 20	
Expenses of Committee on Fire De-			
partment and Chief Engineer to			
Manchester and other places,		186 00	
Expenses of Committee on Fire De-			
partment, viz.:			
Of 1868,	\$1,316 22		
Of 1869,	292 86		
<i>Carried forward,</i>	\$1,609 08	\$227,138 47	\$2,162,722 47

<i>Brought forward,</i>	\$1,609 08	\$227,138 47	\$2,162,722 47
Photographs, including			
frames, Committee of			
1868,	150 00		
Carriage hire,	149 88		
		1,908 96	

*Total for Fire Department, as per item No. 27 of  
Treasurer's Account,* 229,047 43

### ***Hose House No. 3.***

*Payments on account of erecting a new house for  
Hose Company No. 3, located on North Grove  
street, viz :*

Contractors,	\$7,000 00
Drawings and plans,	257 30
Superintendent,	180 00
Repairing damages to water-pipe,	91 07
Printing,	17 60

<i>Total for Hose House No. 3, as per item No. 38 of Treasurer's account,</i>	7,545 97
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### ***Ward Room, Ward 9, and Hose House 8.***

*Payments on account of erecting a building on Church  
Street, near Fayette Street, to be used as a Ward  
Room for the citizens of Ward 9 and quarters for  
Hose Co. No. 8.*

Mason's contract,	\$8,000 00
Carpenters' contract,	4,000 00
Ventilators,	402 25
Heating apparatus,	171 44
Gas piping,	95 20
Vane,	75 00
Plans and specifications,	414 47
Printing and small items,	81 17
Superintending erection,	590 00

<i>Total for Ward Room, Ward 9, and Hose House 8, as per item No. 85 of Treasurer's account,</i>	13,829 53
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## **CITY INCOME.**

### ***Engine Houses.***

Received for sale of old building, <i>Per item No. 108 of Treasurer's account.</i>	379 60
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### ***Fire Department.***

From Chief Engineer for the sale of old material, manure, etc.,	\$617 50
Services of engines and men, pumping water from cellars, gasometers, etc.,	497 00
	1,114 50

*Per item No. 109 of Treasurer's account.*

## **CITY PROPERTY.**

**BUILDING** on Dorchester, corner of Fourth street, containing a house for Steam Fire Engine No. 1, a Ward room for Ward 12, an Armory for Co. E, First Regiment, and School-rooms. Built in 1868, at a cost of, for land, \$7,350.35 ; building, \$31,368.36.

## **FIRE DEPARTMENT.**

**STEAM FIRE ENGINES.** — Fourteen, located as follows, viz : six in city proper, three at East Boston, two at South Boston, and three at Boston Highlands.

**HORSE HOSE CARRIAGES.** — Thirteen, located as follows, viz : six in city proper ; one in East Boston ; two, South Boston ; and four, Boston Highlands, three of which are located in " Engine Houses."

**HOOKS and LADDERS.** — Four Carriages, located as follows : two in city proper, one at East Boston, and one at Boston Highlands.

**HORSES.** — Fifty-one.

**FUEL WAGONS.** — One in the old Engine House, East street ; one at the old Hose House, on Salem street ; one at Engine 11, House on Sumner street, East Boston ; one at Hook and Ladder 3, House on Harrison avenue ; one at Engine 14, House on Centre Street, Boston Highlands ; one at Engine 13, House on Cabot Street, Boston Highlands.

**FIRE HOOKS.** — Eight.

**FIRE LADDERS.** — One hundred, of different sizes.

**HOSE.** — About 38,000 feet of leading and 340 feet suction.

**STEAM FIRE ENGINE HOUSES.** — Fourteen, located as follows, viz : Corner of Fourth and Dorchester streets, S. B. ; Fourth, near K street, S. B. ; Washington, near Dover street ; Scollay's Building ; Marion street, E. B. ; Wall street ; Purchase street ; Salem street ; Paris street, E. B. ; Mount Vernon street, corner of River ; Sumner, corner of Orleans street ; Warren street, Boston Highlands ; Centre street, do. ; Cabot street, do.

**HOSE CARRIAGE HOUSES.** — Ten, viz : Salem street ; Hudson street ; Fruit street ; Northampton street ; Shawmut avenue ; Chelsea street, E. B. ; Warren street ; B street, S. B. ; Washington Village, S. B. ; Cabot street, B. H.

**HOOKE AND LADDER HOUSES.** — Four, viz : One on Harrison avenue, corner of Wareham street ; one on Friend street ; one on Sumner street, corner of Orleans, E. B. ; one on Eustis street, Boston Highlands.

**SPARE APPARATUS.** — Four Steam Fire Engines ; one Hand Engine at Deer Island ; there is one Hose Carriage, with 400 feet of Hose, located on the Mill-dam. This hose is only used by the residents of that location. Also one Hose Carriage in House No. 1, Salem street, of 1,000 feet, and one in Hook and Ladder House, Harrison avenue, of 1,000 feet each. One at South City stable, and one at City Hospital.

**RESERVOIRS.** — One hundred and seventy-eight, of which thirteen are located at East Boston, eighteen at South Boston, forty-eight at Boston Highlands, and the balance in the different Wards of the city. They contain from 15,000 to 55,000 gallons each, and are mostly supplied by rain water from the roofs of buildings. One hundred of these reservoirs are now connected with the Cochituate water pipes.

**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 Chief Engineer of the Fire Department.



**HYDRANTS.** — For supplying water in cases of fire, 1,701, viz: in the city proper, 1,039; at South Boston, 344, at East Boston, 198; at Boston Highlands, 120, an increase of 122, in all, over last year. The hydrants are located at an average distance of 250 feet from each other.

The Annual Report of the Chief Engineer of the Fire Department, for 1868, City Doc. No. 37, 1869, gives a full and particular description of the property under his charge, December 31, 1868.

#### TELEGRAPHIC FIRE ALARM.

*The following property is in charge of the Superintendent:*

**MAGNETIC FIRE ALARM APPARATUS**, the whole cost of which is over \$60,000.

**WORKING LINES OF WIRE**, about fifty miles.

**SIGNAL BOXES**, in use, one hundred and fourteen.

**STRIKING MACHINES**, thirty-five, one of which is not in use.

**ENGINE-HOUSE ALARM GONGS**, twenty.

**ENGINEERS' GONGS**, thirteen.

**CLOCKS.** — One electric watch clock; one repeating three dial clock, for striking signals.

**MAGNETO-ELECTRIC MACHINES**, for striking bells, one.

**RELAY MAGNETS**, twenty.

**OFFICE BELLS**, eleven.

**STOCK AND FURNITURE.** — One switch-board; one large galvanometer, for alarm-battery; one do., for testing purposes; six small do., for signal batteries; 3 miles new iron wire; 300 insulators; 200 iron brackets; 1,000 lbs. zinc; 1,000 lbs. sulphate of copper; 600 porous cups for batteries; 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.