

AUDITOR OF ACCOUNTS'
FIFTY-SIXTH ANNUAL REPORT
OF THE
RECEIPTS AND EXPENDITURES
OF THE
CITY OF BOSTON AND THE COUNTY OF SUFFOLK,
STATE OF MASSACHUSETTS,
FOR THE FINANCIAL YEAR
1867-68.

MAY 1, 1867, TO APRIL 30, 1868.
(BOTH INCLUDED.)

CITY DOCUMENT, No. 68.

B O S T O N :
ALFRED MUDGE & SON, CITY PRINTERS, 34 SCHOOL STREET.
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EXPENSES OF THE DEPARTMENTS.

FIRE DEPARTMENT.

	1867-68.	1866-67.
Expenses and Salaries,	\$180,218 46	\$151,624 63
Fire Alarm Department,	23,998 67	26,119 18
Repair of Engine Houses,	26,237 40	8,135 16
	<u>\$230,454 53</u>	<u>\$185,878 97</u>

Income, 1867-68, \$844.12; 1866-67, \$818.79.

NEW PUBLIC BUILDINGS.

ENGINE HOUSE AND WARD ROOM, WARD 12. — Among the buildings erected for city purposes during the past year, not the least striking in appearance and convenience of plan, is the structure on corner of Dorchester and Fourth streets which is devoted to the uses of an Engine House and tenement for Firemen, a large Ward Room for Ward 12, two halls for various purposes, and two Primary School-rooms for the district in which the building is located. It measures on the plan about 52 feet by 76 feet, and comprises two stories and a French roof above ground, and a basement 7 feet clear height, partly above ground. It is divided in two parts lengthwise, from basement to top of second story, by a brick wall; the first story on Fourth Street side, is occupied by a Ward Room, with the exception of a space at rear end for staircases up and down; the main entrance to this room is from Dorchester Street; the room

measures about 25 feet by 65 feet, and 13 feet clear height. Directly over it is a hall of the same dimensions 12 feet high and a small room; and a small room, 8 feet by 10 feet, over stairs in the rear opens into it. The French roof contains a large assembly room, about 46 feet by 50 feet, 11 feet high, and two rooms of sufficient size to be used as Primary School-rooms, if the city so elects; a hose tower also occupies part of the space of this story, continuing up through the roof, upon which it opens by a door and windows. The first and second stories on the side of the building farthest from Fourth Street are used by the Fire Department for the accommodation of a Steam Fire-Engine, with stable in rear for four horses; and over this, with staircases connecting, a tenement for the engineer and firemen, of parlor, three bed-rooms, bath room, water closet and various other closets; one of these rooms is lighted by a skylight; back of these apartments and over the stable is a hay-loft. The exterior is built of brick with granite trimmings; above the French roof, on the centre of the Dorchester Street front, rises a small but handsome tower surmounted by a vane and the points of the compass, which add much to the fine appearance of the building; the face of the tower is recessed from the main corners of the building, and these are strongly marked by granite quoins in the first story; there is also a small projection on rear end facing Fourth Street, in which is a granite doorway and steps inside to the level of the first story; this is also strengthened by granite quoins, above which is a belt of the same material extending around the Fourth and Dorchester streets façades; the whole is surmounted by a handsome French roof, with well grouped luthern windows on the two corners at the Dorchester Street end. An elegant iron railing extends around the upper line of the roof on Fourth and Dorchester streets. This building was erected from designs by the architects, Messrs. G. J. F. BRYANT and L. P. ROGERS, by Messrs. MORTON & CHESLEY, contractors. Cost of land, \$7,350.30; building, \$31,368.36; total, \$38,718.66.

HOSE HOUSE No. 1. The new accommodations for Hose 1 have been completed upon a lot admirably suited to the purpose, from the fact of its being of sufficient width to admit of a side entrance to the stable, which is in the rear of the hose-

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carriage house, an important point also as regards the admission of light and air to the building, its whole depth. The original lot was insufficient for carrying out the building in a satisfactory manner, and additional land was obtained in the rear, which renders the site one of the best in the city. The building is of brick, ornamented with granite dressings, and surmounted with a Mansard roof. It consists of a basement, — principal floor for hose-carriage and stable, second story for parlor, chambers, bath-room and hay-loft, and an upper story left unfinished for storage, etc. A hose tower, some sixty-five feet in height, extends upward from the basement, for drying and oiling the long lines of hose after use. In the basement is a trough of about an equal length, for washing the hose. An air-tight cemented brick cistern or manure pit, with ventilator extending to the roof, occupies the basement under the stable. The principal story is finished throughout with varnished matched sheathing. The floor of matched hard-wood plank. The stable is fitted with all the most modern appliances in the way of hay racks, mangers, etc., for the comfort of its tenant. A ventilator, three feet square, extends from the ceiling to the roof, insuring a thorough change of air at all times. The second story contains a spacious parlor for the use of the hosemen, three well-lighted chambers, together with bowls, water closet, bathing room and every convenience. The building has been designed upon the most approved plan, with a special regard to the comfort and convenience of its occupants, and to the effectiveness and despatch so indispensable in manipulating the varied paraphernalia at a sudden alarm of fire. Thus far, every requirement has been found to have been anticipated. Architect, WILLIAM G. PRESTON, and the contractors for the building were Messrs. MORTON & CHESLEY. Cost of land, \$4,300; building, \$18,246.46; furniture, \$55; total, \$22,601.46.

CITY EXPENDITURES.

Engine House No. 1, and Ward Room, Ward 12.

Payments for a lot land, corner Fourth and Dorchester streets, and for a building erected thereon, occupied as a Ward Room for the citizens of Ward 12; Engine House for Company No. 1; for Armories and for School-rooms, viz:

Land,	\$7,850 80	
Contractors for building,	30,848 53	
Plans and specifications,	700 00	
Gas piping, etc.,	166 80	
Carried forward,	\$38,565 63	\$1,953,536 78

Fire Alarms.

*Expense of Carrying on the Telegraph System of
Fire Alarms, including Extensions and Renewal,
viz:*

Salaries: John F. Ken-		
nard, Superintendent,	\$2,000 00	
Operators and repairers,	10,298 04	
	<hr/>	\$12,298 04
Carried forward,	\$12,298 04	\$1,997,311 51

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Brought forward,	\$12,298 04	\$1,997,311 51
Striking machines, signal boxes, etc., including repairs,	3,314 02	
J. B. Stearns, for right to use his improvements in telegraphing,	2,000 00	
Repairs of damages caused by wires, and other mechanical labor,	998 71	
Car fares, cartage and small items,	249 54	
Instruments, including repairs,	216 50	
Furniture, bedding and washing,	188 05	
Hardware, tools, etc.,	164 45	
Chemicals,	139 33	
Wire,	138 12	
Removing bells,	118 62	
Frames for alarm cards,	106 75	
Printing,	206 05	
Stationery and newspapers,	68 07	
Expenses of Committees of 1867 and 1868,	461 30	
Photographs of Committee of 1867, including frames,	135 00	
Carriage hire,	12 00	
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Total ordinary expenses,	\$20,814 55	

RENEWAL AND EXTENSION OF LINES.

Wire,	\$970 20	
Labor,	921 50	
Iron brackets and cast- ings,	530 71	
Striking machine, signal boxes, insulators, etc.,	396 52	
Carpentering and paint- ing,	340 69	
Cartage,	24 50	3,184 12
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*Total for Fire Alarms, as per item No. 28 of Treas-
urer's account,* 23,998 67

Fire Department.

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

Salaries: John S. Dam-		
rell, Chief Engineer,	\$2,000 00	
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Carried forward,	\$2,000 00	\$2,021,310 18

<i>Brought forward,</i>	\$2,000 00		\$2,021,310 18
Henry W. Longley, Secretary to Board of Engineers,	1,000 00		
Assistant Engineers, and enginemen, drivers, and officers and members of the various engine, hook and ladder and hose companies,	96,209 04	\$99,209 04	
Hose, hose pipes and couplings, caps and badges,		21,760 60	
Repairs on hose, caps and badges,		5,282 94	
New apparatus, viz :			
Three Steam Fire Engines,	\$12,600 00		
Three two-wheel hose carriages,	675 00		
One four-wheel hose carriage,	600 00		
		13,875 00	
Repairs of engines, hose carriages, hook and ladder carriages, and fuel wagons,		9,112 03	
Ladders, crotch poles, rakes, axes, etc., purchase and repairs,		758 83	
Neatsfoot oil and leather preservatives for engine hose, sperm oil, fluids, etc., for engines and lanterns,		920 95	
Fuel for the engines,		1,643 82	
Fuel for the houses,		1,430 85	
Gas for do.,		1,559 31	
Furniture, bedding, stoves, etc.,		3,307 60	
Washing bed clothes,		642 40	
Horse for Hose No. 10,		462 00	
Grain, hay, straw, etc.,		7,314 43	
Harnesses, etc., including repairs,		692 53	
Shoeing horses,		1,323 73	
Hire of a pair of horses and a driver for Hook and Ladder No. 1 (thirteen months),		1,625 00	
Hire of horses and puns on account of snow, and horses to replace those sick and lame,		545 86	
Medical attendance and medicine for sick horses,		176 75	
<i>Carried forward,</i>		\$171,643 67	\$2,021,310 18

<i>Brought forward,</i>	\$171,643 67	\$2,021,310 18
Carting,	1,186 41	
Soap, sponge, and small supplies,	601 57	
Stable furniture and tools,	509 78	
Water rates,	1,095 50	
Silver badges,	1,113 00	
Reservoirs — repairing, filling and cleaning,	655 12	
Hydrant signs, small repairs, etc.,	142 56	
Damages — by firemen and apparatus,	78 00	
Refreshments for firemen July 4, '67,	400 00	
Refreshment for firemen at fires,	794 12	
Printing,	234 10	
Stationery, blank books and stamps,	180 25	
Repairs of harness and wagon, shoeing horse, etc., used by the Chief Engineer,	817 93	
Expenses of Committee of 1867, and Chief Engineer visiting Manchester, Providence and other places,	748 00	
Expenses of Committees of 1867 and 1868,	392 95	
Carriage Hire,	104 50	
Photographs of Committee of 1867, including frames,	21 00	
<i>Total for Fire Department,</i>		180,218 46
<i>Amount paid by Treasurer, per item No. 27 of his account,</i>	180,215 46	
<i>Add amount not called for,</i>	3 00	
	<u>\$180,218 46</u>	

Hose House No. 1.

Additional payments for land, and for erecting a building on Salem Street for Hose Company No. 1, viz:

Land,	\$2,300 00
Building, per contract, including extra work and material,	16,973 50
Heating apparatus, gas fittings, and marble mantle,	235 24
Edgestones,	22 75
Plans and specifications,	637 95
Printing specifications,	14 73
Ropes and fixtures for hose tower,	332 31
Bookcase,	55 00
Fuel,	29 98

Total for Hose House No. 1, as per item No. 36 of Treasurer's account, 20,601 46

CITY INCOME.***Fire Alarms.***

From Superintendent: sale of old material, 80 62
Per item No. 102 of Treasurer's account.

Fire Department.

From Chief Engineer for the sale of old material, manure, etc., \$661 50
 For pistols sold Police Department, 102 00
763 50
Per item No. 101 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 a School-room. 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.—Forty-five.

FUEL WAGONS.—One in Engine House, East Street; one on Paris Street, East Boston; one in Engine House No. 2, at South Boston; one in old Hose House, Salem Street; two, Boston Highlands.

FIRE HOOKS.—Eight.

FIRE LADDERS.—One hundred, of different sizes.

HOSE.—About 34,000 feet of leading and 340 feet suction.

STEAM FIRE ENGINE HOUSES.—Fourteen, located as follows, viz: Broadway, near Dorchester Street; Fourth, near K. Street; Washington, near Dover Street; Scollay's Building; Marion Street, E. B.; Wall Street; Purchase Street; North Bennet 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; Washington Village, S. B.; Cabot Street.

HOOK 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 two in Hook and Ladder House, Harrison Avenue, of 800 feet each. One at South City Stable, and one at City Hospital.

RESERVOIRS. — One hundred and seventy-four, of which thirteen are located at East Boston, eighteen at South Boston, forty-four 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. Sixty-five 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, 1,579, viz: in the city proper, 1,028; at South Boston, 337; at East Boston, 196; at Boston Highlands, 18, — an increase of 40, 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 1867, City Doc. No. 20, gives a full and particular description of the property under his charge, Dec. 31, 1867.

TELEGRAPHIC FIRE ALARM.

The following property is in charge of the Superintendent:

MAGNETIC FIRE ALARM APPARATUS, in City Hall, the whole cost of which is over \$45,000.

WORKING LINES OF WIRE, about fifty miles.

SIGNAL BOXES, in use, eighty-four.

STRIKING MACHINES, twenty-seven, one of which is not in use.

ENGINE-HOUSE ALARM GONGS, sixteen.

ENGINEERS' GONGS, seventeen.

CLOCKS. — One electric watch clock; one repeating clock, for striking signals; one do. for tapping-box signals.

MAGNETO-ELECTRIC MACHINES, for striking bells, two.

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; 600 insulators; 200 iron brackets; 2,000 lbs. zinc; 1,000 lbs. sulphate of copper, 800 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.