

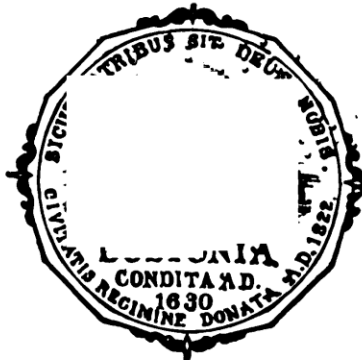
AUDITOR OF ACCOUNTS'
ANNUAL REPORT
OF THE
RECEIPTS AND EXPENDITURES
OF THE
CITY OF BOSTON AND THE COUNTY OF SUFFOLK,
STATE OF MASSACHUSETTS,
FOR THE FINANCIAL YEAR
1869-70.

(No. 58 OF THE SERIES.)

MAY 1, 1869, TO APRIL 30, 1870.

(BOTH INCLUDED.)

CITY DOCUMENT No. 60.



BOSTON:
ALFRED MUDGE & SON, CITY PRINTERS, 84 SCHOOL STREET.
1870.

ENSES OF THE DEPARTMENTS.

FIRE DEPARTMENT.

	1869-70.	1868-69.
Expenses and Salaries,	\$286,275 29	\$229,047 43
Fire-Alarm Department,	24,837 67	40,741 91
Repair of Engine Houses,	33,445 68	14,963 69
	<u>\$344,558 64</u>	<u>\$284,753 03</u>

Income, 1869-70, \$1,729 83 ; 1868-69, \$1,494 10.

NEW PUBLIC BUILDINGS.

WARD ROOM, WARD 9, AND HOSE HOUSE No. 8, ON CHURCH STREET. — This is a brick building with granite trimmings, of irregular form, 52 feet front, 44 feet back, 67 feet on longest side, and 54½ feet on the shortest side. It is two finished stories in height; the first story is 12 feet and the second 10 feet high, in the clear. The cellar under the whole building is 8 feet high in the clear. The second story does not cover the whole of the first, but extends back, from Church street, 37½ feet. The principal story contains a ward-room, a room for the hose-carriage, stable, hose-tower, water-closet, etc., and a space in the centre is occupied by the stairs leading to the upper story. A partition separates the hose-room from the ward-room, the latter being a large and commodious room, affording ample accommodations for the citizens of Ward 9. The second story is fitted up as a tenement for the driver of the hose carriage and also a room for the meetings of the company. The contractors were Morrison & Shaw for carpentry, and Edwin Adams for masonry. Architects, G. J. F. Bryant and L. P. Rogers. Cost of land, \$10,532.50; of building, \$21,799.58. Total, \$32,332.08.

ENGINE HOUSE No. 7, AND HOSE HOUSE No. 2. — Is on East street, built of face brick with freestone trimmings. It contains two finished stories, a basement, and a French roof story. The basement is 7 feet high, the first story 13 feet, and the second story 9½ feet high in the clear. The first story contains an engine and hose-room, stable, harness room, wash room, etc. The second story contains sleeping rooms, parlor, bath-rooms and hay loft, and a repair shop. The contractors were Keyes & Kelley. Architects, G. J. F. Bryant and L. P. Rogers. Cost of land and building to date, \$23,797.43.

HOSE HOUSE No. 3. — This building, on North Grove street, is in outline a parallelogram, 50 feet long and 22 feet wide. It is two stories high, built of brick with granite trimmings. The first story is 11 feet high in the clear, and contains a carriage room, stable, wash-rooms, etc. The second story is 9½ feet high in the clear, and contains a large room for the meetings of the company, two sleeping rooms, bath-room, etc. The attic is used as a store-room. The contractors for the building were Weston & Shepard. Architects, G. J. F. Bryant and L. P. Rogers. Cost, \$13,556.51.

HOOK AND LADDER HOUSE No. 5.— This is a two-story building situated on Fourth street, South Boston, built of brick with granite trimmings. The main cornice and balustrade surmounting it are of wood, and the roof is flat and covered with composition. The first story is $13\frac{4}{12}$ feet high, and contains a room for the

Hook and Ladder carriage, 23×64 feet, and a stable 22×17 feet, with stalls for four horses. The second story is 12 feet high, and contains a hall for the meetings of the company, and a tenement for the driver. A portion of the building in the angle, between the main building and the stable, is finished one story high, and contains coal bins and a fuel wagon. The lot contains 3,727 square feet. The house was built by Wm. Sayward, from plans and specifications prepared by G. J. F. Bryant and L. P. Rogers. Cost, \$15,983.80.

These buildings were erected under the direction of the Committee on Public Buildings of the City Council, and the general superintendence of James C. Tucker, Superintendent of Public Buildings.

Statement of the number of feet of pipes of different sizes laid, and the number of stopcocks and hydrants set in the Roxbury District from May 1st, 1869, to May 1st, 1870.

Hydrants — Wilmarth,	16
“ Lowry,	163

DORCHESTER FIRE-ENGINE HOUSES.

The following are brief descriptions of the Steam Fire-Engine Houses erected by the town of Dorchester during the latter part of the year 1869, and completed at the time of annexation.

ENGINE HOUSE No. 16. — This house is located at the corner of River and Temple streets, at the Lower Mills. The building is a substantial brick edifice, 32 by 48 feet in the main part, with a wing 22 by 18 feet for a stable and hay loft; in the basement are located the hose tank, furnace, cistern, etc. The first story or engine room finishes 12 feet high and is sheathed throughout. The second story finishes 13 feet high, and is divided into a parlor 30 by 27 feet, one other large room, two capacious closets and a bath-room. The roof is pitched and slated, and the towers are handsomely capped and corniced. The building was constructed by F. M. Severance, carpenter.

ENGINE HOUSE No. 17. — This house, on Meeting House Hill, was enlarged and remodeled so as to furnish accommodations for men and horses. The size of the building on the ground plan is 55 by 39 feet. The basement, which is some 14 feet high, does not extend under the whole building, but is of size sufficient for a large cistern, a hose tank, cauldron, coal-bins, etc. Of the interior, on the first floor a space 27 by 15 feet is partitioned off for a stable. The remainder of the first floor is occupied for the engine and the hose carriage, except the space required by the hose tower, closet and stairway. The apartment finishes 12 feet in height, and is sheathed and ceiled with hard pine. Two capacious doors, 10 feet wide each, and lighted with plate glass of large size, open at the front. The second story is divided into a parlor 21 by 23 feet; two sleeping-rooms for firemen, $20\frac{1}{2}$ by $17\frac{1}{2}$, and 18 by $14\frac{1}{2}$; a bath room, 8 by 10 feet; hay loft, 19 by $9\frac{1}{2}$, and store room, 12 by 14, less the space occupied by the hose tower. The hose tower rises 50 feet from the ground floor, and the bell tower about the

same height. The building is surmounted by a French roof. Glidden & Richardson, contractors.

ENGINE HOUSE No. 18.—This house, located on Harvard street, is of brick, two stories in height, with a pitched roof. It differs from the others in exterior appearance in having the bell tower placed in the centre of the front, the hose tower being located at the side about two-thirds of the distance down. The bell tower rises to a height of 61 feet, and the hose tower to a height of 56 feet. The dimensions of the building are 63 by 28 feet. The basement contains a furnace, hose tank, hose trough fifty feet long, a cistern holding about 5,000 gallons, and other conveniences. The basement walls are of Roxbury stone, laid in cement. The first floor is divided into an engine-room 44 by 26, and a stable 16 by 26, with three stalls. Space is taken for the hose tower, which is of ample size, being 6 feet square, interior dimensions, and for a closet and harness-room. The floor, ceiling and sheathing of the walls of the engine-room are of hard pine, the height being 12 feet in the clear. A cornice of black walnut is extended around the room at the intersection of the walls and ceiling. The upper story is finished at a height of 11 feet. The parlor measures 16 by 25 feet. It is adorned with a cornice and centre piece in plaster, and is lighted in the front with two spacious double windows of plate glass. Two sleeping-rooms, $10\frac{1}{2}$ feet square each, and a bath room of the same size, containing bath-tub, basin and water-closet, are also on this floor. The hay loft, 25 by 16 in size, occupies the rear end. All the rooms but one are heated by furnace pipes, and are provided with closets for clothes, etc. The exterior front wall is of pressed brick, and the trimmings of the doors and windows are granite. The roof is slated and provided with copper gutters. Two wide double doors open upon the front, the spaces of the long upper panels being filled with plate glass. Plans by A. E. Richardson; contractor, F. M. Severance.

ENGINE HOUSE No. 19.—The plans for this house, which is located on Norfolk street, were made by Geo. F. Meacham. The building is of the Gothic style, the material being brick, with trimmings of unfinished granite. The first floor is divided into an engine room, 40 by 26½ feet, and stable, 12 by 26½ feet. The second floor is partitioned into a parlor, 23 by 26½; two sleeping rooms, each 17 by 11; bath-room, 9 by 6, and hay-loft, 12 by 26½. In the basement are placed the heating apparatus, cistern, etc. J. H. Burt & Co. were the builders.

ENGINE HOUSE No. 20.—This house is located on Walnut street, midway between the two adjacent villages of Neponset and Port Norfolk. The material is brick, with granite trimmings, and the construction is of the Italian order of architecture. The main building is 50 by 30 feet on the ground plan, but by adding the lateral projection of the towers an apparent width of 43 feet front and 53 feet length is obtained. The towers finish 9 feet square on the inside, the lower part of the bell tower giving space for a circular stairway to the second floor. In the hose tower the same interior dimensions are maintained, which gives abundant room for the manipulation of the hose. The hose trough is located on the first floor, and extends partly into the inclosure of the tower. The hose operations are therefore to be carried on at the front part of the building, not toward the rear as is usual. The engine room measures 32 by 27 feet, and the stable in the rear 15 by 27 feet. Three stalls and a harness closet are provided in the stable, and two large closets in the engine room. The heating apparatus is on the first floor, and a cistern of 5,000 gallons capacity is constructed upon piling beneath. This story is sheathed up five feet, and finished with plastering above. The second floor is divided into a parlor, 22 by 27; chamber, 13 by 20; bath room, 6 by 13; and hay-loft, 12 by 27. Both this and the Mattapan house have one wide entrance door at the

front centre, with smaller doors at the side, giving passage through the towers. The bell tower stands at the right of the main entrance, and rises to a height of 53 feet; the hose tower at the left is 64 feet high, and is surmounted by a flag-staff. The roof of the main building is pitched, but the towers have conical roofs, finished with bracketed cornices, finials and balustrade. Over the front door, and combined with it in forming a central architectural feature, is a large double, circular-headed window, with pilasters on each side, in the panels of which are representations of trumpets, suggestive of the purpose of the building. Contractor, E. A. Perkins, carpenter.

ENGINE HOUSE, No. 21. — This structure, situated on Boston street, near Upham's corner, was built under the supervision of R. T. Glidden, who did the carpenter work. The plans were drawn by A. E. Richardson. The building measures on the ground 68 by 23 feet, and its material is brick and granite in the lower stories, with a wooden, slated, mansard roof, within which are the parlor and chambers. The grade of the land affords a basement 12 feet in height, which is constructed with 16-inch brick walls. A large furnace, hose tank, fifty-foot hose trough of an improved pattern, a cauldron, and a cistern holding 100 hogsheads, comprise the principal accommodations of this story. The next floor, which corresponds to the grade of the street, is divided into an engine room, 47 by 26; engineer's work-room, 6 by 10 feet; water-closet and sink-room, 5 by 10 feet; one large and two small closets, and stable, 13 by 26 feet. The stable has three stalls, the woodwork of which is protected from the teeth of the horses by iron guards. The fixtures include also iron feed troughs and racks, and conduits for drainage. A rear stairway gives access to the hay-loft above. The hose tower rises from a point about two-thirds down the length of the building, passing through the roof about midway between the ridge and the gutter. Measured from the basement floor,

its height is 70 feet. The engine room is finished with hard pine sheathing four feet high, and with plaster above. A handsome cornice extends around next the ceiling, which finishes 14 feet in the clear. A broad stairway of easy slope, and furnished with a black walnut post and rail, ascends to the next floor. This floor is divided into a parlor, 27 by 20; engineer's sleeping-room, 20 by 12; fireman's room, 12 by 14; driver's room, 12 by 12; bath room, 8 by 12; and hay-loft, 13 by 26. Clothes closets are provided in each room, and a furnace register opens also into each. The parlor finishes $12\frac{1}{2}$ feet high, and is adorned with a centre piece, chandelier and a heavy cornice. Two large double windows open upon the street, and two single windows at the side. The bath-room is finished in black walnut, and furnished with all the modern improvements. The towers are handsome structures, crowned with rectangular shaped domes, presenting convex surfaces.

Brought forward,

\$3,586,318 83

Engine and Hose House, East Street.

Payments for land, and the erection of a two-story brick house on East Street, now occupied by Engine Co. No. 7.

Land,	\$7,000 00
Contractors: Contract,	\$13,700 00
Extra work and material,	961 78
	<hr/> 14,661 78
Samuel Jepson, Superintendent of construction, @ \$5 per day,	775 00
Plans and specifications,	342 00
Heating apparatus,	175 05
Paper and hanging,	164 01
Gas fixtures,	142 80
Hose tower fixtures: lines, hook, etc.,	328 85
Paving,	133 31
Care, printing and small items,	74 63

Total for Engine and Hose House, East Street, as per item No. 24 of Treasurer's account,

23,797 43

Engine House No. 2, Dorchester.

Final payment to contractors for the alteration of the engine house, on Meeting House Hill,—the work on which was commenced previous to the annexation of Dorchester to Boston,—now occupied by Engine Co. No. 17,

3,000 00

Per item No. 26 of Treasurer's account.

Engine House No. 3, Dorchester.

Final payment to contractors for the completion of a brick-house with granite trimmings, on Harvard street, Mt. Bowdoin,—the erection of which was commenced by the town of Dorchester previous to the annexation,—now occupied by Engine Co. No. 18,

2,000 00

Per item No. 27 of Treasurer's account.

Engine House No. 4, Dorchester.

Payment to contractors on account of building a brick house with granite trimmings, on Norfolk street, Mattapan,—the erection of which was begun by the town of Dorchester, previous to the annexation,—now occupied by Engine Co. No. 19,

3,000 00

Per item No. 28 of Treasurer's account.

Carried forward,

\$3,618,116 26

Brought forward,

\$3,618,116 26

Fire Alarm Department.*Payments for carrying on the Telegraph System of Fire Alarms.*

Salaries : John F. Kennard, Superintendent,	\$2,500 00	
Operators and repairers,	10,351 55	
	<hr/>	\$12,851 55
Automatic machines for signal boxes,		3,149 00
Gong striking machines and repairing all machinery,		1,878 12
Striking machines,		990 00
Repairing : belfries, damage by wires, etc.,		1,132 75
Painting telegraph poles,		203 63
Chemicals, etc.,		378 04
Wire,		365 28
Iron work — brackets, etc.,		284 47
Tools, hardware, etc.,		204 84
Instruments, including repairs,		70 47
Laborers,		581 75
Removing bells,		176 07
Service of tug boat — East Boston cable,		96 00
Cartage, car fares and sundry items,		370 96
Bedding, furnishing, etc.,	\$145 85	
Washing,	53 83	
	<hr/>	199 68
Frames for "list of signal boxes,"		88 74
Badges for superintendent and employés,		55 50
Horse and buggy hire for superintendent,		552 00
Printing and stationery,		331 77
Expenses of Committee on Fire Alarm Department : of 1869,	\$637 70	
of 1870,	109 85	
Carriage hire : — Committee of 1869,	52 50	
of 1870,	5 00	
Photographs, including frames, Committee of 1869,	72 00	
	<hr/>	877 05
<i>Total for Fire Alarm Department, as per item No. 31 of Treasurer's account,</i>		24,837 67
		<hr/>
<i>Carried forward,</i>		\$3,642,953 93

Brought forward,

\$3,642,953 93

Fire Alarm Telegraph.

Payment to James W. Gardner, for conveying to the City of Boston the full and exclusive right and privilege of making, constructing and using patented inventions and improvements, covering the systems of Fire Alarm Telegraphs, in the territory comprised in the Boston Highlands and Dorchester,

8,000 00

Per item No. 34 of Treasurer's account.

Fire Department.

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

Salaries:— John S. Damrell, Chief Engineer,	\$3,000 00
Henry W. Longley, Secretary to Board of Engineers,	1,500 00
Assistant Engineers,	7,236 16
Enginemen, firemen and drivers, and officers and members of the various engine, hook and ladder, and hose companies,	159,956 50
Extra drivers, and extra service of members,	1,059 88
Inspector of wooden buildings and steam boilers,	1,017 25
Total for Salaries,	\$173 769 79
Repairs of engines, hose carriages, hook and ladder carriages, and fuel wagons,	17,808 22
Hose, hose pipes and couplings, including repairs,	17,464 56
New apparatus, viz: — Three steam fire engines,	\$12,900 00
Two hook and ladder carriages,	2,500 00
Three four wheel hose carriages,	1,800 00
	17,200 00

Carried forward,

\$226,242 57 \$3,650,953 93

<i>Brought forward,</i>		\$226,242 57	\$3,650,953 93
Fire hats and badges, including repairs,		2,130 51	
Ladders, rakes, axes, lanterns, etc.,		1,387 70	
Spanners, belts, hose lines, etc.,		361 22	
Purchase and exchange of horses,		3,575 00	
Hay, grain, straw, etc.,		10,375 54	
Harnesses, whips, etc.,		2,370 72	
Shoeing horses,		1,849 07	
Medical attendance and medicine for horses,		371 50	
Hire of a pair of horses and a driver for Hook and Ladder No. 4 (to November 1, 1869),	\$687 50		
Hire of horses on account of snow, and to replace those sick and lame,	235 00	922 50	
Furniture, bedding, etc.,	\$6,277 96		
Washing,	828 43		
		7,106 39	
Fuel: for houses,	\$2,210 14		
For engines,	1,692 62		
		3,902 76	
Gas,		2,619 79	
Neatsfoot oil and leather preservatives for engine hose; sperm oil, fluids, etc., for engines and lanterns,		1,028 47	
Soap and small supplies,		1,171 87	
Cartage, expressing, etc.,		1,612 25	
Stable furniture, tools, etc.,		176 79	
Damages and sundry small items,		241 60	
Temporary house for H. & L. No. 1,		695 00	
Signs, hose troughs and small repairs,		1,243 11	
Steam engine heaters	\$2,100 00		
On account of connecting same with the engines,	1,401 31	3,501 31	
Fire extinguishers,		1,899 00	
Right to use and manufacture Bellamy's hose protector,		500 00	
Reservoirs: — connecting water pipes at Boston Highlands,	\$1,360 00		
Covers and repairs,	189 22	1,549 22	
<i>Carried forward,</i>		\$276,833 89	\$3,650,953 93

<i>Brought forward,</i>	\$276,833 89	\$3,650,953 93
Hydrants : — signs, measuring distances, etc.,	1,299 42	
Refreshments for members while on duty,	783 30	
Allowed to a member for injuries received while in the discharge of his duty,	150 00	
Expenses at Coliseum : — boarding men,	\$435 00	
Furnishing room,	130 50	
Services,	28 00	
	<hr/>	593 50
Parade of the Department September 17, 1869 : — Collation,	\$1,350 00	
Music,	276 00	
Rent of Music Hall,	150 00	
Horse hire and uniforms,	41 87	
Expenses of Committee,	225 00	
	<hr/>	2,042 87
Wagon, repairs, etc., and shoeing horse used by Chief Engineer,	668 01	
Printing.	845 46	
Stationery and stamps,	323 64	
Expenses of Chief Engineer to Manchester, New York, Philadelphia, etc.,	238 47	
Expenses of Committee on Fire Department of 1869, to Manchester, New York, and other places,	500 00	
Expenses of Committee on Fire Department, on the part of the Board of Aldermen of 1869,	\$1,195 90	
On the part of the Common Council of 1869,	30 75	
Joint Committee of 1870,	404 58	
Carriage hire Committee of 1869,	196 50	
of 1870,	169 00	
	<hr/>	1,996 73
<i>Total for Fire Department,</i>		286,275 29
<i>Per item No. 30 of Treasurer's account,</i>	\$286,267 34	
<i>Carried forward,</i>	<hr/>	<hr/>
	\$286,267 34	\$3,937,229 22

Hook-and-Ladder House, Fourth Street.

Payments for the erection of a Hook-and-Ladder House, for H. and L. Co., No. 5, on Fourth Street, of brick with granite facings.

Contractor for masonry : — Con-	
tract,	\$13,200 00
Extra work and material,	1,550 00
	<hr/>
	\$14,750 00
Extra carpenter's work and material,	413 73
Plans and specifications,	330 00
Gas pipes and fixtures,	168 72
Stove, boiler, etc.,	161 07
Plumbing,	82 28
Marble mantle, surveying and cleaning,	78 00
	<hr/>

Total for Hook-and-Ladder House, Fourth Street, as per item No. 46 of Treasurer's account,

15,983 80

Hose House No. 3.

Continuation of payments on account of erecting a new house for Hose Company No. 3, located on North Grove Street. [Total cost \$13,556.51.]

Contractors : — balance	
of contract,	\$3,292 00
Extra work and material,	
including shed and stable	
in rear of building,	988 84
	<hr/>
	\$4,280 84
Ventilators,	200 00
Gas pipe and fixtures,	166 87
Iron gates, etc.,	129 75
Painting,	92 95
Plumbing,	89 36
Marble mantle and cleaning house,	44 00
Shed and tool-house for sewer depart-	
ment, to replace one removed,	646 54
Heating apparatus,	207 30
Furnishing hose tower — lines, hooks,	
etc.,	152 93
	<hr/>

Total for Hose House No. 3, as per item No. 45 of Treasurer's account,

6,010 54

Carried forward,

\$5,215,227 64

<i>Brought forward,</i>	\$4,856 00	\$8,005,172 49
ALTERATIONS AND REPAIRS OF BUILDINGS, viz :		
Engine, Hose, and Hook and Ladder Houses :		
Ordinary,	\$5,272 97	
For Engine No. 9 — altering, rebuilding walls, and general repairs,	11,480 71	
For Engine No. 13 — enlarging hose tower, bath room and general repairs,	5,721 75	
For Engine 14 — on account enlarging and remodeling,	1,000 00	
For Hook and Ladder No. 1—addition for stable, tenement and general repairs,	7,082 86	
For Hook and Ladder No. 4—enlarging stable,etc.,	2,887 39	
	<hr/>	
	\$33,445 68	

CITY INCOME.

Fire Alarm Department.

Sale of old material,	86 75
<i>Per item No. 124 of Treasurer's account.</i>	

Fire Department.

Use of engines at Chestnut Hill Reservoir,	\$958 08	
Sale of: — horses,	325 00	
Manure,	202 00	
Old material,	158 00	
	<hr/>	
		1,643 08
<i>Per item No. 123 of Treasurer's account.</i>		

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 8167 square feet land, \$7,350.35 ; building, \$31,368.36.

By the terms of the act of annexation of Dorchester the following pieces of property came into the possession of the city :

Old Engine House No. 3, at present, in rear of Engine House No. 18, on Harvard street.

Old Engine House No. 4, on leased land in Milton.

Old Engine House No. 5, at present on land opposite Engine House No. 20, on Walnut street, Neponset.

Old Engine House No. 6, on Boston street, near Upham's corner.

FIRE DEPARTMENT.

STEAM FIRE ENGINES. — Twenty-one, located as follows, viz : six in city proper, three in East Boston, three in South Boston, and three in Boston Highlands, and six in Dorchester.

HORSE HOSE CARRIAGES. — Fifteen located as follows, viz : six in city proper ; one in East Boston ; two, South Boston ; four, Boston Highlands, and two in Dorchester ; seven of which are located in Engine houses.

HOOKS and LADDERS. — Seven carriages, located as follows : two in city proper, one in East Boston, one in Boston Highlands, one in South Boston, and two in Dorchester.

HORSES. — Seventy-two.

FUEL WAGONS. — One in the old Engine house, Purchase street; one in the old Hose house, on Salem street; one in Engine house No. 11, on Sumner street, East Boston; one in Hook and Ladder house No. 3, on Harrison avenue; one in Engine house No. 14, on Centre street, Boston Highlands; one in Engine house No. 17, Dorchester; one in Hose house No. 10, Washington Village.

FIRE HOOKS. — Fourteen.

FIRE LADDERS. — Two hundred, of different sizes.

HOSE. — About 52,000 feet of leading, and 500 feet suction.

STEAM FIRE ENGINE HOUSES. — Twenty, 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; East 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.; Temple street, Milton Lower Mills, Dorchester; Meeting House Hill, do.; Harvard street, Mount Bowdoin, do.; Norfolk street, Mattapan, do.; Walnut street, Neponset, do.; Boston street, Upham's corner, do.

HOSE CARRIAGE HOUSES. — Ten, located as follows, viz: Salem street; Hudson street; North Grove street; Northampton street; Shawmut avenue; Chelsea street, E. B.; Church street; B street, S. B.; Washington Village, S. B.; Cabot street, B. H.

HOOKE AND LADDER HOUSES. — Six, located as follows, viz: Harrison avenue, corner of Wareham street; Friend street; Sumner street, corner of Orleans, E. B.; Eustis street, Boston Highlands; Fourth street, So. Boston; Meeting House Hill, Dorchester.

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, with 1,000 feet of hose, and one in Hook and Ladder House, Harrison avenue, with 1,000 feet of hose. One at South City stable, and one at City Hospital. There are in Ward 16, six Hand Engines formerly the property of the town of Dorchester.

RESERVOIRS. — One hundred and eighty-one, of which thirteen are located at East Boston, eighteen at South Boston, fifty-one 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, 1,947, viz: in the city proper, 1,078; at South Boston, 350; at East Boston, 202; at Boston Highlands, 317; an increase of 246 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 1869, City Doc. No. 27, 1870, gives a full and particular description of the property under his charge, December 31, 1869.

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 60 miles.

SIGNAL BOXES, in use, 115.

STRIKING MACHINES, 36.

ENGINE-HOUSE ALARM GONGS, 20.

ENGINEERS' GONGS, 13.

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

MAGNETO-ELECTRIC MACHINES, for striking bells, 1.

RELAY MAGNETS, 20.

OFFICE BELLS, 11.

STOCK AND FURNITURE. — 1 switch-board; 1 large galvanometer, for alarm-battery; 1 do., for testing purposes; 6 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.