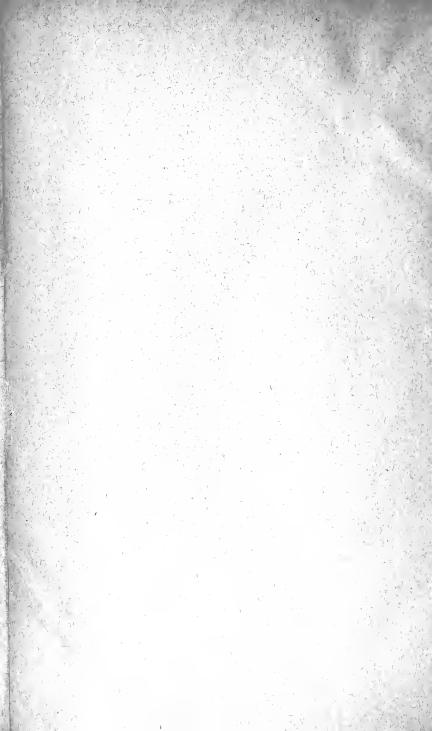




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## ANNUAL REPORT

OF THE

# FIRE DEPARTMENT,

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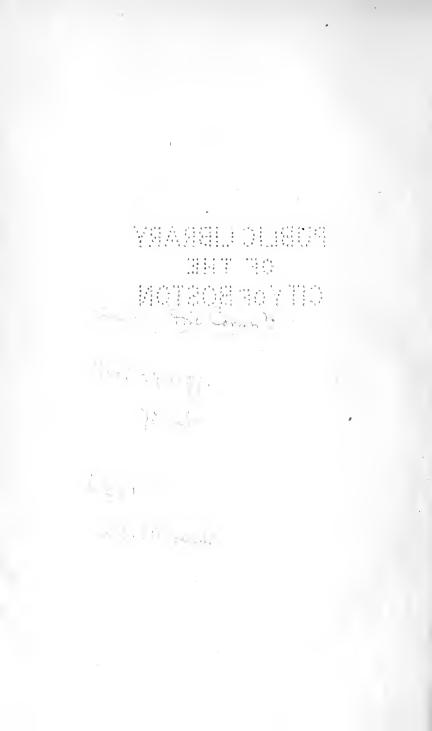
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## YEAR 1895.



BOSTON: ROCKWELL AND CHURCHILL, CITY PRINTERS. 1896.



### OFFICE OF THE FIRE COMMISSIONER, BRISTOL STREET, BOSTON, February 27, 1896.

## His Honor JOSIAH QUINCY, Mayor:

SIR: Respectfully submitting the statistics of this department for 1895, I beg to call your attention to the favorable showing made by the figures of losses and insurance. Bnt good fortune in the immediate past furnishes no ground for hoping that the millennium has come; for as long as we have much faulty construction still allowed by law, with large floor areas, and the possibility of securing alarms only after fires have gained good headway, we may at any time expect a conflagration in spite of all the earnest efforts of the department. The reduced cost of some materials and curtailment of expenses at headquarters have enabled us to make such repairs on engine-houses as the health and comfort of the men and protection of the property absolutely required; and now the houses are in fair working order with the exception of Ladder-House 13, on Washington street, near Dover, and Engine-House 30, on Mt. Vernon street, West Roxbury, both of which are not worth repairing, having been condemned by the Building Commissioner; and I strongly recommend that means be provided for new houses for these two (2) companies. Some years ago land was bought at Grove Hall for a ladder truck, and now lies unoccupied, though the necessity has not been removed; and the proper protection of that locality strongly calls for the completion of the plan to furnish the people there with adequate apparatus. There are thirty-two thousand (32,000) dollars remaining from a larger sum provided some time since for land and house for an engine company to be placed at the North End, and I earnestly recommend that said \$32,000, with \$18,000 additional, be devoted to a system of underground pipes to carry salt water from our harbor to the more congested parts of

the city in accordance with the plan made by the City Engineer, the adoption of which I have already strongly recommended. A veterinary hospital and training school is much needed, as at present the quarters hired on Nawn street, Roxbury, at \$720 per annum, for the use of sick and disabled horses, are entirely inadequate and unfit for the purpose. At one time land was secured on Swett street, and plans made for a suitable hospital, and I beg to have the matter taken up and carried to a successful solution in accordance with original plans calling for twelve thousand (12,000) dollars.

There are many localities where the recent growth of population justifies, in the minds of the inhabitants, an appeal for increased fire protection; but I think the present apparatus adjacent to such localities sufficient to prevent any serious fire, and I do not believe the interests of the city call for any extended addition to the present force; but I do strongly recommend such strengthening of the present department as I have already suggested; for, with these additions and improvements, we will, I think, be justified in hoping<sup>\*</sup> for continued good fortune if citizens will do their part by giving us promptly the first alarm; and in my opinion the interests of all call for perfection of the present force rather than for more extension.

## FIRE DEPARTMENT.

, du M • du M	Coal es,	Wharf, Vessel, Сага, Вопfir Dieh, etc.	10	22	31	19	16	72 ,	21	11	29	13	9	æ	339
		Out of City.	:	67	ŝ	61	:	1	67	1	:	•	:	-	12
	·pə	Totally Destroy	CI		I	¢1	61	4	5	ŝ	61	4	61	:	27
INGS	•əæ	Considerable D'	80	t-	1-	0	Г	4	80	-1	-1	00	ŝ	0	70
BUILDINGS.		Slight Damage.	11	43	49	99	60	51	68	54	62	54	19	98	736
8		Хо Датаge.	50	37	42	43	43	43	22	50	45	40	45	65	560
		Vo Fire.	18	17	11	14	15	6	13	18	15	13	19	30	198
	<b>1616.</b>	Extended to Oth	67	1	¢1	9	61	5	ē	4	ŝ	5	4	ŝ	39
•	Saibl	liug of benfinoD	133	85	<b>F</b> 6	16	100	98	122	101	109	91	$^{96}$	159	1285
m		STILL.	16	15	78	75	146	120	8.	18	95	62	69	113	1080
RM	.PH.	Needless.	9	90	~	13	11	90	00	14	10	œ	-1	18	114
ALARMS	TELEGRAPH	False.	:		67	-	61	61	Г	4	67	က	:	4	181
1	TELI	.Fire.	72	52	69	63	62	62	85	63	61	60	56	88	793
ANCE.		.etastaoD	\$559,550	634,400	542,750	1,640,002	399,821	365,400	1,181,598	502,739	1,333,125	621,275	128,975	713,025	\$8,622,660
<b>TNSHRANCE</b>		.sgnibling	\$1,647,552	1,067,325	972,992	1,848,675	938,500	533,200	1,455,425	949,250	1,906,475	1,222,175	621,718	1,198,050	\$14,361,337
- Se		Contents.	\$21,777	54,560	21,599	12,181	8,533	46,151	140,284	154,341	24,772	67,502	16,405	18,327	\$586,432
LOSS.		.sgaibliuU	\$45,503	45,355	43,576	9,445	6,608	13,454	32,918	150,198	20,789	39,560	29,999	16,649	\$454,054
		.[stoT	169	136	152	152	221	192	172	159	168	133	132	2.23	2009
TED.		.атоаяаU	1 :	Г	I	:	Ξ	Г	:	-	-1	67	:	63	1 8
CEL	WHOM.	Automatic.	9	4	4	1-	4	67	L-	ŝ	ŝ	ç	6	11	66
RE(		Citizens.	125	102	114	117	151	129	136	130	121	66	108	182	tlgI
ALARMS RECEIVED	FROM	Police.	8	17	14	19	38	$^{29}$	15	œ	15	13	6	20	217]
TAI	-	Members.	1 2	10	12	1-	6	17	11	11	22	00	61	4	126
¥.		Fire patrol.	5	61	M	61	18	14	ŝ	4	4	9	4	4	1 <sup>2</sup>
		MONTHS.	February	March	April	May	June	July	August	September	October	November	December	January	Totals

TABLE No. 1.

## TABLE NO. 2.

## Showing the different Causes of Fires and Alarms, from February 1, 1895, to February 1, 1896.

Alarms, accidental, automațic		32
" needless		114
" false		<b>22</b>
·· out-of-town		12
Ashes, hot, in wooden receptacle		34
Boiling over of tar or fat		21
Bonfires, grass, rubbish, etc		339
Carcless use of lamps, candles, etc		34
" " " fire		6
" " " pipe or cigars		32
Chimneys, soot burning		59
" defective		20
Clothes too near stove		8
Defective flue		35
" stove-pipe		6
" grate		<b>2</b>
" furnace		4
Electric motor igniting car		30
" wires		52
Explosion and igniting of chemicals .		11
Fireworks		45
Friction		3
Fumigating		4
Gas, explosion of		5
" ignition of leaky pipes		11
" jet setting fire		62
" stove, careless use of and explosion .		24
Incendiary		28
" supposed		19
Kerosene lamp, explosion or breaking .		92
" "upsetting		42
" stove, careless use of and explosion	n.	59
Light mistaken for fire		24
Lightning		<b>2</b>
Matches and rats		34
" careless use of		73
•• children playing with		48
Naphtha, careless use of and ignition .		20
Overheated stove		26
" steam-pipe or boiler		11
Rekindling of ruins of previous fire		1
Slacking of lime		8

#### FIRE DEPARTMENT.

Smoky chimney		•				29
" furnace or stove .						21
Sparks from another fire .						6
" " furnace or stove						16
" " chimney .						· 34
" " locomotive .		•				24
" " forge	•	•				7
Spontaneous combustion.				•	•	<b>68</b>
Steam escaping				•		6
Unknown						241
Water-pipes, thawing out						39
Wood in oven igniting .	•	•	•		•	4
Total .						9.000
10tal	•	•	•	•	۰	2,009
Total number of actual fires						1,675
Confined to one building		•		·		1,285
Extended to others.	•	•	•	•	•	39
Wharves, vessels, grass, etc.	•	•	•	•	•	339
	•	۰	•	•	•	
Out of the city	•	•	•	•	•	12

#### BUILDINGS.

Slightly damaged .	•	•		736
Considerably damaged			· .	70
Totally destroyed .				27
Not damaged				560

Fire Commissioner Henry S. Russell was appointed January 21, 1895. Present term expires May, 1898. Salary, \$5,000.

Benjamin F. Underhill, Jr., Clerk, appointed by the Fire Commissioner. Salary, \$2,400.

#### CHIEF OF DEPARTMENT.

LEWIS P. WEBBER, Headquarters, Bristol street.

First Assistant Chief, JOHN W. REGAN, Headquarters, Engine-house 26, Mason street.

Second Assistant Chief and Chief of District No. 4, WM. T. CHESWELL, Headquarters, Engine-house 4, Bulfinch street.

#### District Chiefs.

Peter F. McDonough,	Headquarters,	Ladder-house 2.
C. H. W. Pope,	ī.	·· 9.
John F. Egan,	• • • •	·· 8.
John F. Ryan,	""	Engine-house 26.

 $\mathbf{5}$ 

John A. Mullen,	Headquarters,	Engine-house 1.
Patrick E. Keyes,	66	·· · 3.
John Grady,	"	·· 13.
Edward H. Sawyer,	" "	Ladder-house 4.
Williston A. Gaylord,	" "	Engine-house 18.
Nathan L. Hussey,	66	·· 41.
Lewis P. Abbott,	" "	·· 28.

### CLERKS.

Wm. E. Delano, M. J. Lafferty, Geo. F. Murphy, James P. Maloney.

D. J. Quinn, Messenger.

## FORCE AND PAY-ROLL.

Cl	nief of Departm	ient				\$3,500 per	annum.
	rst Assistant (					2,400	"
Se	cond Assistant	Chi	ef			2,200	" "
11	<b>District</b> Chiefs					2,000	"
Sr	perintendent o	of Rei	oair-s	shop		2,000	66
	cond Assistant				of	,	
	Repair-shop	. `				1,300	"
Ve	eterinary Surge	eon				1,800	"
	Clerks .					1,000	" "
1	Clerk .					900	" "
1	Clerk .					600	"
1	Messenger					1,000	66
1	detailed man a	s Cle	rk, A	ppara	tus	,	
	Repair-shop		·			1,000	66
51	Captains .			•		1,600	·· .
41	Lieutenants					1,400	"
45	Engine-men					1,300	" "
305	Permanent Me	en				1,200	"
50						-1,000-//	0
48	** **					1,000	"
1	Permanent Ma	ın				912.50	66
31	Call Men .					250	" "
36						200	" "
-36						175	" "
40	Permanent Su	bstit	ntes			900	"
15	<b>6 6</b>	66			•	720	" "
3	Call Captains					325	
1	Hostler .			•		624	" "
<b>2</b>	Watchmen					1,000	" "
1	Driver for Ch	ief of	Dep	artmei	nt.	1.95 pe	r day.
12	Drivers for D					$1.75^{-1}$	"

 $\mathbf{6}$ 

#### FIRE DISTRICTS.

The city is divided into twelve fire districts, as follows :

#### District 1.

All that part of Boston known as East Boston.

### District 2.

All that part of Boston formerly known as Charlestown.

#### District 3.

The territory bounded on the north and east by the water front, on the south by Summer street, and on the west by Washington and Charlestown streets.

#### District 4.

The territory bounded on the north by the Charles river, on the east by Charlestown and Washington streets, on the south by Winter, Park, and Beacon streets, and on the west by the Charles river and Berkeley street.

#### District 5.

The territory bounded on the north by Beacon, Park, Winter, and Summer streets, on the east by Fort Point channel, on the south and west by Broadway, Way, Motte, Castle, Ferdinand streets, Columbus avenue, and Berkeley street.

#### District 6.

All that part of Boston known as South Boston, and running south as far as Dorset and Locust streets.

#### District 7.

The territory bounded on the north by Berkeley street, Columbus avenue, Ferdinand, Castle, Motte, and Way streets, and Broadway, on the east by Fort Point channel and South bay, on the south by Massachusetts avenue, and on the west by the Charles river.

#### District 8.

The territory bounded on the north by the Charles river and Massachusetts avenue, on the east by Washington street, on the south by the old boundary line between Roxbury and West Roxbury, and on the west by the Brookline line, Beacon and Deerfield streets.

#### District 9.

The territory bounded on the north by Massachusetts avenue, South bay, Dorset and Locust streets, on the east by Dorchester bay, on the south by Freeport, Hancock, Bowdoin, Olney, and Columbia streets, and on the west by Blue Hill avenue, Seaver and Washington streets.

#### District 10.

That part of Dorchester bounded on the north by Columbia, Olney, Bowdoin, Hancock, and Freeport streets, on the east by Dorchester bay, on the south by the Neponset river and the Hyde Park line, and on the west by Back street and Blue Hill avenue.

## District 11.

All that part of Boston known as Brighton, and extending east as far as Deerfield and Beacon streets.

#### District 12.

All that part of Boston known as West Roxbury, bounded on the north by the old boundary line between Roxbury and West Roxbury and Seaver street, on the east by Blue Hill avenue and Back street, on the south by the Hyde Park and Dedham lines, and on the west by the Newton and Brookline lines.

In all cases where streets are designated as boundaries, the centre of the street will be the dividing line.

## Assignment of Districts.

Each district is placed under the charge of a District Chief, as follows:

		COMPANIES IN DISTRICT.							
District.	Chief in Command.	Engines.	Chemical Engines.	Hook and Ladder.	Hose.	Combination Wagons.	Water Towers.		
1	Peter F. McDonough	5, 9, 11, 40	7	*2					
2	С. Н. W. Роре	27, 32, 36	9	*9	8				
3	John F. Egan	8, 25, 31		*8,14					
4	Wm. T. Cheswell	*4, 6, 10	1, 11	1			1		
5	John F. Ryan	7, *26, 35	2	17			2		
6	John A. Mullen	*1, 2, 15, 38, 39, 43	8	5		2			
7	Patrick E. Keyes	*3, 22, 33	4	3, 13, 15	• •		2		
8	John Grady	*13, 14, 37	3	12	7				
9	Edward H. Sawyer	12, 21, 23, 24	10	*1					
10	Williston A. Gaylord	16, 17, *18, 19, 20		6,7		1			
11	Nathan L. Hussey	29, 34, *41	6	11					
12	Lewis P. Abbott	*28, 30, 42, 45	5	10, 16					

\* Headquarters of District Chief.

The following property is in charge of the Fire Commissioner:

	Location.	No. of feet in lot.	Remarks.
No. 1	Dorchester street	5,698	
2	Cor. of O and Fourth streets .	4,000	
3	Bristol st. and Harrlson ave	4,000	Ladder No. 3 in this building.
4	Bulfinch street	6,098	Chemical Engine No. 1, Lancers Armory, and water-tower in this building.
5	Marion street, E.B	1,647	inis building.
6	Leverett street	- 2,327	
7	East street	1,893	
8	Salem street	2,568	
9	Paris street, E.B.	4,000	Ladder No. 2 in this building.
10	River street	1,886	
11	Saratoga and Byron streets	10,000	
12	Dudley street	7,161	
13	Cabot street	4,305	
14	Centre street	5,627	
15	Dorchester avenue	2,843	
16	River street, Dorchester Dist.,	12,736	Ladder No. 6 in this building.
17	Meeting-house IIill, Dorches- ter Dist	9,450	Ladder-house No. 7 on this lot.
18	Harvard street, Dor. Dist	10,225	
19	Norfolk street, "	7,683	
20	Walnut street, "	9,000	
21	Boston street, "	9,355	
22	Dartmouth street	4,463	
23	Northampton street	3,445	
24	Cor. Warren and Quincy sts	4,186	
25	Fort Hill square	4,175	Ladder No. 8 and Ladder No. 1- iu this building.
26	Mason street	6,385	Engine No. 35 in this buildin.
27	Elm street, Charlestown Dist.,	2,600	
28	Centre street, W. Roxbury District	10,377	Ladder No. 10 in this building.
29	Chestnut Hill ave., Brighton District	14,356	Ladder No. 11 in this building.
30	Mt. Vernon street, W. Rox- bury District	16,275	
32	Bunker Hill street	8,000	
SS	Cor. Boylston and Hereford streets	5,646	Ladder No. 15 in this building.

## ENGINE-HOUSES.

## FIRE DEPARTMENT.

## Engine-Houses. — Concluded.

	•		
	Location.	No. of feet in lot.	Nemarks.
No. 34	Western ave., Brighton	4,637	
36	Monument street	5,668	
37	Cor. Longwood and Brookline avenues	5,400	Chem. Eng. 3 in this building.
38-39 .	Congress street	4,000	
40	Sumner st., East Boston	4,010	
41	Harvard ave., near Cambridge street, Brighton District	6,112	Chem. Eug. 6 in this building.
42 :	Washington street, between Atberton and Beethoven	3,848	Chem. Eng. 5 in this building.
43	Andrewsquare	5,225	
45	Poplar st., cor. Washington, W. Roxhury	14,729	Ladder No. 16 in this building.
	CHEMICAL-ENGINE HOUSES.		
1	Bulfinch street	, .	See Engine-house 4.
2	Church street	3,412	
3	Cor. Longwood and Brookline avenues		See Engine-house 37.
4	Shawmut avenue	889	
5	Washington street, between Atherton and Beethoven.		See Engine No. 42.
6	Harvard ave., near Cambridge street, Brighton District		See Engine No. 41.
7	Chelsea street, East Boston .	1,346	
8	B street	1,804	
9	Main street		See Ladder-house 9.
10	Eustis street	700	
11	North Grove street	3,918	

## Hose-Houses.

	Location.	No. of feet in lot.	Remarks.
No. 3	Winthrop street	5,230	
7	Culvert street		On leased land.

## COMBINATION-WAGON HOUSES.

	Location.	No. of feet in lot.	Remarks.
No.1	Dorchester avenue, Ashmont .	4,875	
2	Fourth street	3,101	

## HOOK-AND-LADDER HOUSES.

	Location.	No. of feet in lot.	Remarks.
No.1	Friend street	1,676	
2	Paris street, East Boston		See Engine house 9.
3	Harrison avenue		See Engine 3.
•4 • • •	Dudley street	3,923	
5	Fourth street	2,469	
6	River street, Dorchester		See Engine-house 16.
1	Meeting.house Hill		See Engine 17.
8	Fort Hill square		See Engine Co. 25.
9	Main street, Charlestown	2,430	Chemical 9 in this building.
10	Centre street, W.R.		See Eugine-house 28.
11	Chestrut Hill ave., Brighton District		See Engine-house 29.
12	Culvert street		On leased land.
13	Washington, near Dover street,	1,007	
14	Fort Hill square	• • • • • •	See Engine-house 25.
15	Boylston, cor. Hereford street,		Engine 33 in this building.
16	Roslindale		See Engine 45.
17	Harrison avenue	2,250	

Fuel-house, Salem street, 417 feet of land.

Fuel-house, Main street, Charlestown, 1,592 feet of land. Headquarters Building and Repair-shop, corner of Albany and Bristol streets, 20,547 feet.

Water Tower No. 2 and wrecking wagon are in Headquarters Building.

4,350 feet of land on Tremont street on which quarters are now building for Ladder 12 and Hose 7.

5,624 feet of land on Washington street, Dorchester, purchased as a site for a ladder-house.

er delivered tions per e.	630 gallons. 961 gallons. 961 gallons. 593 gallons. 593 gallons. 630 gallons. 630 gallons. 631 gallons. 631 gallons. 561 gallons. 593 gallons. 593 gallons. 593 gallons. 593 gallons. 594 gallons. 594 gallons. 570 gallons. 570 gallons.	524 gallons.
Amount of Water delivered at 300 revolutions per minute.	Double. Double. Double. Double. Double. Double. Double. Double. Double. Double. Double. Double. Double. Double. Double. Double. Double.	Double.
Stroke.	本 4 (2) (1 - 2) (1	5
Diameter of Pump.	44444444444444444444444444444444444444	48
Diameter of Cylinder.	8年 8年886、8865年843442444444444444444444444444444444444	7
Put in Service.	17, 1872           22, 1890           222, 1890           222, 1890           1869           1869           1869           1869           1880           1880           1881           1882           1882           1882           1882           1882           1882           1882           1882           1882           1882           1882           1882           1882           1882           1882           1882           17, 1882           1893           5, 1890           5, 1892           10, 1893           110, 1893           12, 1890           12, 1890	24, 1885
Put in	Sept. Nov., Feb. Nov., Nov., April April March March March March March March March March March March March March March March Nov., Nov., Sept. Sept. Nov. Nov. Nov. Nov. Nov. Nov. Nov. Nov	Feb.
Built by	Amoskeag Mfg. Co	Clapp & Jones Mfg. Co.
Location.	Dorchester, near Fourth, S.B. Fourth, cor. O, S.B. Bulfinch st. Bulfinch st. Leverett st. Leverett st. East st. Bast st. Bast st. Bast st. Bast st. Barloga, cor. Byron st., E.B. Mount Vernon, cor. River st. Sataloga, cor. Byron st., E.B. Dudley st. Centre st. Centre st. Cordester ave. and Broadway. Drochester Meeting-House Hill, Dorchester. Harvard st., Dorchester Meeting-House Hill, Dorchester. Morfolk st., Dorchester Norfolk st., Dorchester	Warren, cor. Quincy st.
No.	. I & & & & & & & & & & & & & & & & & &	24

STEAM FIRE-ENGINE COMPANIES.

FIRE DEPARTMENT.

Amount of Water delivered at 309 revolutions per minute.	Double.961 gallons.Double.935 gallons.Double.935 gallons.Double.630 gallons.Double.599 gallons.Double.594 gallons.Double.591 gallons.Double.591 gallons.Double.601 gallons.Double.961 gallons.Double.691 gallons.Double.691 gallons.Double.691 gallons.Double.691 gallons.Double.691 gallons.Double.691 gallons.Double.651 gallons.Double.651 gallons.Double.651 gallons.Double.651 gallons.Double.651 gallons.Double.651 gallons.Double.651 gallons.Double.524 gallons.Double.524 gallons.Double.524 gallons.Double.524 gallons.Double.524 gallons.Double.524 gallons.Double.524 gallons.	
Stroke.	ary	
Diameter of Pump.	P. 4 4 9 4 4 9 4 1 4 1 4 1 4 1 4 1 4 1 4 1	
Diameter of Cylinder.	9 4 1 6 8 8 8 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
Put in Service.	1890           1895           1, 1875           9, 1874           9, 1874           9, 1874           9, 1874           9, 1891           20, 1884           20, 1884           1, 1875           9, 1890           9, 1890           1, 1883           1, 1890           1, 1890           1, 1890           1, 1890           1, 1890           1, 1890           1, 1890           1, 1890           1, 1890           1, 1890	nute.
Put in	Nov., June, June, July July March Jan. Aug., April Feb., Feb., Feb., Juc, July, Aug.,	ns per mit
<sup>*</sup> Built by	Clapp & Jones Mfg. Co La Amoskeame Ffre Bng. Co Silsby Mfg. Co Hunneman & Co Hunneman & Co Clapp & Jones Mfg. Co Silsby Mfg. Co Manchester Loco. Works Manchester Loco. Works Clapp & Jones Mfg. Co Clapp & Jones Mfg. Co Clapp & Jones Mfg. Co Silsby Mfg. Co Silsby Mfg. Co Clapp & Jones Mfg. Co Silsby Mfg. Co Clapp & Jones Mfg. Co Silsby Mfg. Co Clapp & Jones Mfg. Co American Fire Eng. Co	* At 225 revolutions per minute.
Location.	Fort Hill sq.Clapp & Jones Mfg. CoNov.,Mason st.LunglestownLanglerance Fire Eng. CoJune,Elin st., CharlestownLangley Mfg. CoJune,Elin st., CharlestownSilsby Mfg. CoJune,Chestnut Hill are., BrightonHunneman & CoJun,Chestnut Hill are., BrightonHunneman & CoJun,Chestnut Hill are., BrightonHunneman & CoJun,Chestnut Hill st., CharlestownSilsby Mfg. CoJun,Chestnut Hill st., CharlestownSilsby Mfg. CoJun,Western ave., BrightonClapp & Jones Mfg. CoJun,Doug serviceSilsby Mfg. CoJun,Longwood ave.Clapp & Jones Mfg. CoJun,Longwood ave.Clapp & Jones Mfg. CoAng.Monunent st., CharlestownClapp & Jones Mfg. CoAng.Longwood ave.Clapp & Jones Mfg. CoAng.Longwood ave.Silisby Mfg. CoNovLongwood ave.Silisby Mfg. CoAngLongwood ave., BrightonSilisby Mfg. CoNovLongwood ave., BrightonSilisby Mfg. CoAngLongwood ave., BrightonSilisby Mfg. CoAngLongwood ave., BrightonSilisby Mfg. CoAngLongwood ave., Brighto	
No.	25 28 28 28 28 28 28 28 28 28 28 28 28 28	

STEAM FIRE-ENGINE COMPANIES. - Continued.

14

CITY DOCUMENT NO. 11.

ABOUR	01d 15 01d 10 01d 39 01d 4 (Crusten erck)	Amoskeag Mfg. Co Dec., Amoskeag Mfg. Co Feb., Manchester Loco. Works. Dec., Amostoar Mfr Co. Works. May,	Dec., Feb., May, Nov	1869 1870 1879 1886 1867	48 48 1 8 1 8 4 8 4 8 4 8 4 8 4 8 4 8 4	よた か ま よ -167,000 うけんすん	xo xo xo xo xo	Double. Double. Double. Double.	630 gallons. 593 gallons. 561 gallons. 561 gallons. 630 gallons.
4 F4	Old 25	Straugue tranue)	July, f, East Bost	1884 1884 on, waiting	for func	Rot Rot	ary.	uip, and maintain	200

2,

In Reserve.

## FIRE DEPARTMENT.

	Capacity.	Gals. 100 100	. 001	170	160	100	100			Weight as drawn to Fires.	Lbs. 2,830 2,830	
	Weight as drawn to Fires.	<i>Lbs.</i> 4,500 4,500 3,720	$\left. \right\} 2,990$	) 5,134 5,030	5,130	2,990 9,990	5,080	Capacity, 160 gals.		Put in Service.	Sept. 13, 1888. July . 4, 1868	-
	Pat in Service.	Nov. 9, 1895. Oct. 9, 1895. July 27, 1874.	Used as a spare en- gine and put in ser-	Vice, Dec. 20, 39. Sept. 21, 1876. May 1, 1876. Sant 37 1996.	Oct. 27, 1887.	July 17, 1889. Sent. 13, 1889.		awa to Fires, 5,500 lbs. ., 5,080	0			J, K.
	Builders.	Charles T. Holloway  Babcock Manufacturing Co		Charles T. Holloway Babcock Manufacturing Co	······································	; ;	Ianufacturing Co	facturing Co. Weight as dr	HORSE-HOSE COMPANIES.	Built by	Amoskeag Manufactu	In Reserve – Hore Aarriage Relicf, A, B, D, E, F, G, H, J, J, K. Old Wagous of Englices 9, 10, 15.
		Charles T. " Babcock M	Rebuilt by	Charles T. Hollowa Babcock Manufactu Altered by Himon		"	Babcock N	Babcock Man	E-HOSE			e-Carriage Rel Wagous of En
	, Location,	Bulfinch street	Shawmut avenue Rebuilt by Hinman in 1886	Egleston square Harvard av., nr. Camb'ge st., Brighton Babcock Manufacturing Co Chelseas street. F. R.	B street, S.B.	Main street, Charlestown Eustis street	North Grove streetBabcock Manufacturing Co	In Reserve – Old Chemical 2. Builders, Babcock Manufacturing Co. Weight as drawn to Fires, 5,500 lbs. Capacity, 160 gals. New New	HORS	Location.	Winthrop street, Charlestown	In Reserve – Hos
-		::::	Shawn	: : :	:	: :	North	la R		er.		
	Number.	3 2 1	4	5 6 7	8	10	11			Number	3	

CHEMICAL-ENGINE COMPANIES.

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CITY DOCUMENT NO. 11.

Number.	Location.	Builders,	Put in Service.	Weight as drawn to Fires.	Number of Ladders.
1	Warren square Abbott-Downing Co	Abbott-Downing Co	December 20, 1890.		12
67 CO	Paris st., Ê.BBristol st	, t , , , , , , , , , , , , , , , , , ,	April 20, 1891. June 2, 1886.	9,805 9,535	12 22
4	Dudley street, Highland District	La France Fire-Engine Co., Elmira,			Hayes
Ď	Fourth street, near Dorchester	N.Y. Hunneman & Co.	April 25, 1884. March 3, 1870.		Extension. 17
6	Temple street, Dorchester		تە	6,043	19
7	Meeting-Honse Hill		January, 1869.		14
8	Fort Hill square		January 30, 1890.		41,
9	Main street, Charlestown		October 6, 1872.		19
10	Centre street, Jamaica Plain	in & Co	December 21, 1870.		12
11	Chestnut Hill avenue, Brighton		April 13, 1872.		14
12	Culvert street, Highland District.	Ryan Bros	July 31, 1880.		15
13	Washington street, near Dover	La France Fire-Engine Co., Elmira,		_	Hayes
		NY	March 12, 1890.	6,800	Extension.
14	Fort Hill square	Fire Extinguisher Manufacturing Co. Chicaco	January 30, 1893.	10.000	Extension.
15	Boylston street	Fire Extinguisher Manufacturing			-
10	Declindale	Co., Chicago	April 28, 1888.	10,600 °	Extension.
T0	·····	wepart-suop	September, 1000.		Extension.
17	Harrison avenue	Preston Co., Chicago April	April 29, 1891.	11,975	87 feet.

HOOK-AND-LADDER COMPANIES.

FIRE DEPARTMENT.

Builders.     Builders.       Hunneman & Co.     Repair-shop       Repair-shop     Aerial Ladder Co.       Abott Downing Co.     Builders.       Hunneman & Co.     Builders.       MATER TOWERS.     Builders.	Weight as drawn to Fires.	Lbs. 8,375	6,000	9,535	8,065		Put in Service. Weight as drawn to Fires.	May 17, 1890. 10,000
Description.     Description.       lef C, formerly old No. 2.     Hunneman & C       lef A, old 3     Repair-shop       B, old 8     Repair-shop       ial Ladder     Aerial Ladder       ial uew     Abott Downin       Ladder 11     Hunneman & C       Mathematical Action     Abott Downin       Ladder 11     Hunneman & C       Bulfinch street     Location.	Builders,		Co	g Co	Jo	TOWERS.		
		Relief C, formerly old No. 2. Relief A, old 3 & CC	<ul> <li>"B, old 8 Repair-shop</li> <li>erial Ladder</li> </ul>	One new Abbott Downing	Old Ladder 11 & C	WATER	Location.	Bulfinch street.

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HOOK-AND-LADDER TRUCKS, - In Rese

18

CITY DOCUMENT No. 11.

NEW APPARATUS PURCHASED DURING THE YEAR.

1 third-size Clapp & Jones engine.

- 1 first-class 66 66 66 "
- 1 first-size La France
- 2 double-tank chemical engines.
- 3 two-horse hose-wagons.
- 2 coal-wagons.
- 3 District Chief's wagons.
- 1 fire-boat.
- 1 manure-wagon.

#### HOSE.

Amount of hose purchased and condemned during the year:

Purcha	sed.		Condemn	ed.
Leading cotte	on, 7,000 f	feet.	10,750 f	feet.
" rubb		"	350	66
Chemical,	2,000	66	650	"
Suction,	214	" "	120	"
(D. 4.1)	10 714		11.070	
Totals,	10,714		11,870	

Amount of hose in use and in storehouse February 1, 1896:

	In Use.	In Storehouse.
Cotton,	70,150 feet.	3,350 feet.
Rubber,	4,650 "	4,200 "
Chemical,	5,750 "	1,250 "
Suction,	998	164 "
Totals,	81,548 "	8,964 ''

#### HORSES.

Purchased during the year			63
Sold or exchanged .		•	40
Died			7
Killed, for cause			4
Number in the department			271

#### WATER AND HYDRANTS.

The total number of hydrants in the city February 1 was In addition to these hydrants, there are 224 fire 6,756. reservoirs in different sections of the city that contain from 300 to 500 hogsheads of water, and can be used in an emergency.

		Est	ABLISH	ED.			Ав	ANDON	ED.		86.
District.	Lowry.	Post.	Boston Lowry.	Boston.	Total.	Lowry.	Post.	Boston Lowry.	Boston.	Total.	Net Increase.
Boston (City Proper)	8	6	0	1	15	3	0	2	6	. 11	4
South Boston	7	6	2	1	16	1	1	1	10	13	3
East Boston	1	1	1	0	3	0	0	0	0	0	3
Roxbury	6	32	13	1	52	7	1	2	3	13	39
Dorchester	4	79	35	0	118	1	0	5	2	8	110
West Roxbury	4	41	17	0	62	0	1	6	2	9	53
Brighton	0	28	5	0	33	1	1	G	2	4	29
Gallop's Island	0	1	0	0	1	0	0	0	0	0	1
Charlestown	3	1	0	0	4	1	1	0	0	2	2
Totals	33	195	73	3	304	14	5	16	25	60	244

The number of hydrants established and abandoned during the year is as follows :

## Total Number of Hydrants in use January 31, 1896.

	Lowry.	Post.	Boston Lowry.	Boston Y.	Boston.	Total.
Boston (City Proper)	704	283	58		454	1,499
South Boston	220	102	23	1	247	593
East Boston	140	104	24		129	397
Roxbury	661	261	77		87	1,086
Dorchester	580	550	226		59	1,415
West Roxbury	130	546	183	• • • •	44	903
Brighton	78	304	64		30	476
Brookline	5	• • • •			3	8
Chelsea					7	7
Quincy		7				7
Deer Island		18				18
Long Island		6				6
Thompson's Island		2				2
Gallop's Island		1				
Rainsford Island				. <b>.</b>		1
Charlestown	217	75	37		9	338
Tctals	2,735	2,259	692	1	1,069	6,756

#### FIRE-ALARM BRANCH.

The woodwork and other fittings for the new office were completed, and the apparatus placed in position, early in the year, and wiring for the same was commenced on the 15th of March.

The extent of this work, which was done by the contractor, and the care required to be exercised in carrying it out, necessarily consumed considerable time, and it was not completed until the middle of May. More than 50,000 feet of wire were used in making the connections. The office is constructed for eighty circuits, which are divided into three systems: Fifty circuits are equipped with apparatus for receiving alarms from the boxes, twenty for striking them out on the bells and gongs, and ten for operating the boxgongs in department houses.

The battery-room is equipped with stands having sufficient capacity to hold fifty-six motor-generators, a power serviceboard so constructed that current for driving the motors may be taken from four independent sources, and a board which provides for a distribution of the generator currents in such a manner that any desired combination can be made of the eighty circuits at any time without interference with the operation of the system.

On the 20th of May the old plant at the City Hall, which had done effective service for more than thirty years, ended its official existence, and the new office was duly installed.

The transfer of the circuits was made in three hours from the time the first connection was made, careful preparations for making the changes having been made previously.

Notwithstanding the fact that the new plant was equipped with entirely new apparatus, the different construction and operation of which involved a complete change in the methods to be employed, no material interruption to the successful working of the system was experienced at the time of its installation, and the minor faults in construction which developed later being eliminated, it was soon placed on a perfect working basis, and so continued up to the present time.

The dynamo service, which has been referred to as an experiment, in previous reports, has demonstrated by results that a great improvement has been made in this respect, and the advantages gained by substituting it for the old form of batteries have become more clearly apparent by its continued use.

A new switch-board, constructed for ninety circuits, supplied with three banks of connecting plugs and three sets of transmitters and telephones, has been leased from the New England Telephone Company. It is equipped with all the appliances used in modern exchange business, and by its use the telephone work of the department has been greatly facilitated.

The reconstruction of overhead circuits during the year has been done chiefly in Roxbury and West Roxbury.

In these districts three new bell circuits have been built, and box circuits 7, 8, 13, and 23 partially reconstructed.

Circuit No. 74, in West Roxbury, has been extended to the house of Engine No. 30, and a box-gong of the regular pattern placed in quarters and connected for service.

The wires running along the Parkway in Jamaica Plain have been replaced by an underground cable 2,977 feet in length, containing 17,862 feet of conductors.

Circuits running to Charlestown and Brighton, which were rebuilt in 1894, have been divided, and connected independently in the new office. By this division a new box-gong circuit was created, and the apparatus houses in Brighton connected therewith.

The box-gong service is now extended to the entire department.

All the boxes in Brighton and Charlestown are now connected into circuits by themselves, and the bells and gongs into new circuits, which are used exclusively for striking alarms.

A similar arrangement has been effected by new construction in South Boston, which completes the elimination of the bells and gongs from the box circuits throughout the entire system.

The alarm service has been extended by placing a bell, formerly used on the Phillips School-house, in a new tower which was constructed on the house of Engine No. 41 at Allston, and gongs into the office of Commissioner of Wires, house of District Chief Hussey, Austin & Gove's office, East Boston, and the pumping-station on Wayne street.

Sixteen new circuits have been created, and placed entirely underground. Three of these are connected with lamp-post boxes, and the others with telephones located therein and various department houses. One new overhead telephone circuit has been built, and the service extended by placing telephones in the residence of the Chief of Department,

house of Engine 25, Veterinary Surgeon, Hook and Ladder No. 7, head-room at City Hall, and basement terminal room at Bristol street, Headquarters Building.

Stands and telephones have also been placed on the various desks at headquarters.

The rebuilding of Chelsea bridge has occasioned much work for this branch during the year, as it has been necessary to make temporary changes in the arrangement of the wires from time to time as the work progressed. Wires and cables have been placed, and submarine cables taken up and relaid to meet the existing conditions, the final work being completed late in the season.

The poles formerly supporting the wires at this point have been abandoned, with the exception of some iron posts on the Boston end as far as the draw, and the circuits are now carried on these standards and along the timbers, under the bridge, through a 19-conductor cable 2,600 feet in length.

Submarine cables have been taken up at bridges on Federal, Congress, and Tenean streets and Mt. Washington avenue.

The cable on Federal street was removed on account of becoming defective, and the others because routes of circuits were changed in such a manner that their continued use at those localities was rendered unnecessary. The damaged cable at Federal street was replaced by one of these, and the other two were used at Chelsea bridge.

A new cable, 300 feet in length, has also been laid at Meridian-street bridge.

A new frame has been built to support the bell in the tower on the Noble School-house, on Princeton street, East Boston, and the usual routine work has been done, repairing circuits and making such changes in their locations as have been made necessary by conditions which have developed from time to time in various parts of the city. Six new boxes have been established and connected with the service during the year.

Ninety miles of No. 9 wire and 16,199 feet of Clark and Kerite wire, 1,881 feet 10-conductor, and 2,668 feet 19-conductor overhead cable have been used in completing the work herein referred to.

Two cables, with 10 and 19 conductors, respectively, have been run through the subway from headquarters to the apparatus repair-shop. Nine new roof structures have been built, 19 poles set, 39 structures removed, and 12 poles taken down since last report.

The total amount of old wire taken down during the year is 589,230 feet: of this amount 195,000 feet were removed from the underground district for 1895, 204,700 feet from the 1894 district, and the remainder from other parts of the city.

Plans were made and cables purchased early in the year for completing the underground construction in the district prescribed for 1895. Before any part of this work had been done, however, a notice was received from the Commissioner of Wires that it would be necessary to make some changes in the original plans on account of conditions which were not considered at the time of the first arrangement. In consequence of this request the 61-conductor cable which was laid in 1894 was drawn out of the ducts in Tremont street, from Compton to LaGrange streets, through LaGrange and Beach streets to Harrison avenue, amounting to 3,659 feet.

The cable thus removed was laid in other places entirely outside of the 1895 district, and a cable containing 19 conductors was bought and run in its place from the startingpoint on Tremont street to a terminal box in the house of Police-station No. 4, on LaGrange street. In order to conform to the new arrangements of the Wire Department it also became necessary to use smaller cables in some other portions of the proposed routes in the district; consequently a cable with 37 conductors was purchased and laid, leaving the 61 conductors to be placed outside the district in connection with the one which was drawn out as before mentioned.

The total amount of cable of all kinds laid during the year, including the 61 conductor taken up from Tremont street, is 27,849.5 feet.

These cables vary in their capacity, containing from 10 to 61 conductors, and have been placed as follows:

Kerite and okonite, 61 conductors, on Tremont, Berkeley, Beacon, Charles, Mt. Vernon, Joy, Myrtle, Derne, Bowdoin, Cambridge, and Court streets, Tremont row, Brattle, Exchange, State, and Congress streets, — 13,005 feet.

Kerite, 37 conductors, on Harrison avenue, Chauncy, Arch, Franklin, Pearl, Atlantic avenue, and High streets, — 5,503.5 feet.

Kerite, 19 conductors, on Tremont and LaGrange streets, — 3,408 feet.

Clark, 10 conductors, on Winter, Essex, Appleton, and Eliot streets, including short leads and side connections, -2,954.8 feet.

Safety, 6 conductors, on Parkway, Jamaica Plain, — 2,977 feet.

They have been laid in ducts belonging to the New England Telephone Company, with the exception of 3,334 feet, which are placed in ducts constructed by this department. Twenty-one boxes and 13 department houses have been connected with the underground service in the past year.

Nine of the boxes are located on streets, and the others are inside theatres, stores, and other buildings.

Underground telephone service has been extended to boxes 42, 56, 57, 61, 72, and 85, all of which are placed on lampposts in their respective locations.

The total length of cables now underground is 55,900 feet.

Total length of conductors, 2,313,984 feet.

They are laid in ducts, of which 43,520.8 feet belong to the Telephone Company and 7,890 feet to this department.

The fire-alarm ducts are contained in 4,015 feet of conduits, about one-half of which were built in the past year.

Notwithstanding that the changes in the original plans above noted occasioned a large amount of extra labor and an increased expense in doing the undergound work, it was all completed within the time required by law, and all the overhead wires and abandoned structures have been taken down.

The benefit of this extra work will be fully experienced when the territory in which it was done shall be included in a district to be designated by the Commissioner of Wires at some future time.

The service has been uniformly successful during the year, no accidents to any portion of the cables having occurred of sufficient magnitude to materially interfere with their work.

Neither have the overhead wires in the outlying districts been seriously affected by storms at any time, and, everything being considered, it may be said that the system has made a good record for itself since the last report.

The force employed is as follows :

Superintendent. Brown S. Flanders.

Assistant Superintendent. CYRUS A. GEORGE.

#### Operators.

CHARLES M. CHAPLIN, UZZIEL PUTNAM, JAMES L. CROWLEY, JAMES L. GETHINS, RICHARD DONAHUE, JONA. M. MORRIS.

Assistant Operators.

JOHN B. JEFFERS,

JOHN FLAVELL.

## Care of Dynamos. John Galway.

## Foreman of Construction. HIRAM W. CHERRINGTON.

Repairers.

G. J. H. GUTERMUTH, WM. H. BARKER, GRANVILLE S. MENDELL, ISSACHAR WELLS, E. M. Illingworth, Jerry Hurley, Daniel F. McCarty, Peter M. Kendrick.

A constant watch is kept at the headquarters, Bristol street, night and day, by the operators. Each set of operators have assigned to them certain hours of duty, during which time they are responsible for the correct working of the apparatus in giving alarms, and all testing of the circuits and other details pertaining to the service. No operator is permitted to sleep during his watch, unless expressly relieved by some one else, and by consent of the Superintendent.

Each operator is accountable to the Superintendent for any mistakes that may occur at the office during his hours of duty.

An accurate account is kept of the time of giving each alarm, and of the station from which it originates, and all other necessary information.

There are 572 fire-alarm boxes now in service.

The following boxes are private property: 38 duplicate, 115, 149, 152, 227, 228, 244, 271, 279, 281, 283, 299, 422, 442, 443, 445, 446, 447, 448, 449, 511, 533, 617, 623, 624, 626, 629, 698, 711, 714, 715, 716, 718, 722, 723, 724, 725, 726, 727, 728, 729, 731, 732, 733, 735, 737, 738, 739, 741, 742, 744, 745, 746, 766, 778, 779, 789, 791, 792, 794, 795, 796, 797, 799, 816, 838, 842, 919, 927, 974.

#### STOCK AND FIXTURES.

Magnetic fire-alarm apparatus, the estimated value of which is \$171,000. Working lines of wire, about 1,000 miles; signal-boxes in use, 572; striking-machines, 24; gongs, 125; box-gongs, 75; tappers, 3; local registers in department houses, 50; two clocks; two four-dial repeatingmachines for striking signals; one old three-dial ditto; relays, 70; 1 fifty-pen register; 1 ten-pen ditto; chime-bells, 10; other bells, 21; telegraph keys, 70; main circuit annunciators, 70; local ditto, 70; fuse-boards, 2; telephones in nsc, 103; 2 switch-boards; 83 galvanometers; 1 voltmeter; 1 mil-ammeter; 1 rheostat and bridge; 1 indicator; 84 battery rheostats; 27 motor-generators; 2 generator stands; 1 power-service board; 1 distributing board; 1 fire apparatus covering map; 2 portable rheotropes; 1 typewriter; 1 copying-press; 1 safe; 1 chronometer; 1 set telegraphic apparatus in Superintendent's house; 5 sets telegraphic apparatus in assistants' houses; brackets, wire, insulators, etc., office furniture, bedsteads, bedding, and sundry small articles.

#### ALARM BELLS.

The Fire-alarm Telegraph is connected with the following bells :

- Adams School-house, Sumner street, East Boston, steel, 2,995 lbs., owned by city.
- Bunker Hill School-house, Charlestown, 2,009 lbs., owned by city.
- Chapman School-house, Eutaw street, East Boston, steel, 3,1094 lbs., owned by city.
- City Hall, Charlestown, composition, 3,600 lbs., owned by eity.
- Engine-house No. 16, Temple street, Dorchester, composition, 4,149 lbs., owned by city.
- Engine-house No. 17, Meeting-House Hill, Dorchester, composition, 4,000 lbs., owned by city.
- Engine-house No. 18, Harvard street, Dorchester, composition, 3,184 lbs., owned by city.
- Engine-house No. 19, Mattapan, Dorchester, composition, 2,927 lbs., owned by city.
- Engine-house No. 20, Walnut street, Dorchester, composition, 3,061 lbs., owned by city.
- Engine-house No. 21, Boston street, Dorchester, composition, 3,026 lbs., owned by city.
- Engine-house No. 28, West Roxbury, composition, 4,000 lbs., owned by city.
- Engine-house No. 29, Brighton; steel, 1,535 lbs., owned by ...
- Engine-house No. 30, West Roxbury, 300 lbs., owned by city.
- Engine-house No. 34, Brighton, composition, 1,501 lbs., owned by city.
- Engine-house No. 40, Orleans street, East Boston, composition, 817 lbs., owned by city.

- Engine-house No. 41, Allston, composition, 900 lbs., owned by city.
- Engine-house No. 45, Roslindale, composition, 1,059 lbs., owned by city.

Faneuil Hall, steel, 5,816 lbs., owned by city.

Lewis School-house, Dale street, Boston Highlands, composition, 3,104 lbs., owned by city.

- Maverick-street Church, East Boston, composition, 2,000 lbs.
- Princeton-street School-house, East Boston, composition, 2,470 lbs., owned by city.
- Saratoga-street M. E. Church, East Boston, steel, 1,968 lbs., owned by city.
- Warren School-house, Charlestown, composition, 3,000 lbs., owned by city.
- Winthrop School-house, Charlestown, composition, 3,000 lbs., owned by city.

Bells owned by the city, which have been disconnected from service, are located as follows:

- Fire-alarm Repair-shop, bell formerly used on house of Chemical Engine 5; one composition, 400 lbs., formerly used on house of Chemical Engine No. 4; on ecomposition, 400 lbs., formerly used on house of Chemical Engine No. 6; and two small bells from other locations.
- Engine-house No. 1, Dorchester street, South Boston, composition, 800 pounds.

Engine-house No. 2, composition, 800 lbs.

- George-street School-house, Boston Highlands, composition, 4,160 lbs.
- Hook-and-Ladder House, No. 4, Dudley street, Boston Highlands, composition, 3,509 lbs.
- Lawrence School-house, B street, South Boston, steel, 3,400 lbs.
- Lincoln School-house, Broadway, South Boston, composition, 3,110 lbs.

Quincy School-house, Tyler street, composition, 2,941 lbs.

- Smith-street School-house, Highlands, composition, 4,083 lbs.
- Ticknor School-house, Dorchester street, Washington Village, steel, 2,995 lbs.
- Trinity Church, Trenton street, East Boston, composition, 1,760 lbs. Formerly used on Castle-street Church.
- Van Nostrand's Brewery, Charlestown, composition, 818 lbs. Formerly used on Boylston School-house.
- Wells School-house, Blossom street, composition, 1,675 lbs.

#### PUBLIC CLOCKS.

The following public clocks, forty in number, are taken care of by the Fire Department;

#### City Proper.

Arlington-street Church.
Charles-street Church.
Christ Church, Salem street, owned by city.
Commercial Wharf.
Lynde-street Church.
Odd Fellows Hall, Tremont street, owned by city.
Old South Church, owned by city.
Old State-House, owned by city.
Park-street Church.
Suffolk County Jail, owned by city.
St. Stephen's Church, Clark street, owned by city.
Shawmut-avenue Church.
Tremont M. E. Church, owned by city.
Young Men's Christian Union, owned by city.

#### South Boston.

Bigelow School-house, owned by city. Gaston School-house, owned by city. Lincoln School-house, owned by city. Phillips Church, owned by city. St. Augustine Church, Dorchester street, owned by city. Ticknor School-house, Washington Village, owned by city.

#### East Boston.

Central Square Church. London-street Church, owned by city. Lyceum Hall, owned by city. Trinity Church, owned by city. Orient Heights Church, owned by city.

#### Boston Highlands.

Winthrop-street Church, owned by city. West End stables, Tremont street, owned by city. Roxbury High School, owned by city.

#### Dorchester.

Baker Memorial (Upham's Corner), owned by city. Neponset Church.

Tileston School (Mattapan), owned by city. Unitarian Church (Milton Lower Mills).

#### Charlestown.

Bunker Hill Church. City Hall, owned by city. Harvard Hill Church. High School-house, owned by city. Unitarian Church.

#### West Roxbury.

Dr. Strong's Church. Unitarian Church.

### Brighton.

Bennett School-house, owned by city.

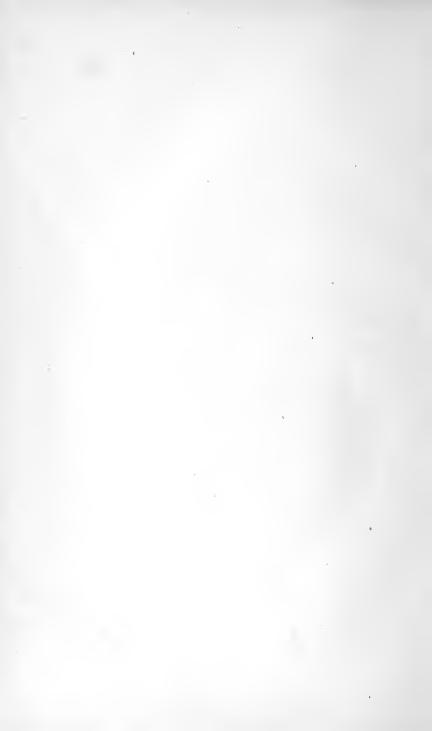
After a year's experience here, I can heartily commend the officers and men of the department for uniform energy and intelligence in their work, and earnest endeavor to understand and carry out the requirements of the Commission.

Your obedient servant,

HENRY S. RUSSELL, Commissioner.

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## ANNUAL REPORT

OF THE

# FIRE DEPARTMENT

FOR THE

# YEAR 1896-7.



BOSTON: MUNICIPAL PRINTING OFFICE. 1897.





## ANNUAL REPORT

OF THE

# FIRE DEPARTMENT

FOR THE

24

## YEAR 1896-7.



BOSTON: MUNICIPAL PRINTING OFFICE. 1897.



Office of the Fire Commissioner, Bristol Street, Boston, February 15, 1897.

His Honor JOSIAH QUINCY, Mayor:

SIR: Again I can with much satisfaction call your attention to the result of our work during the past year, as shown by the figures of losses sustained, our record being better than that of our sister cities, population considered; but, while the conflagration, which may at any time attack us, has not as yet assumed proportions beyond our control, we can only hope that continued good fortune may attend our As far as our finances would allow, after repairing efforts. and keeping the houses in good order, the department has been strengthened by additional equipment and apparatus; and, in my opinion, further improvement in that direction should be made before the department is enlarged by additional companies, excepting the one contemplated at Grove Hall, where land purchased for the purpose by the city is awaiting occupancy, and where the neighborhood needs protection. Much expert advice has been received concerning the fire-alarm branch, and all but one of the practical suggestions have been adopted, the one exception calling for some \$150,000, and relating to work which will be done by degrees as the wires are placed under ground. My opinion, formed during my first year's experience concerning the excellence and efficiency of this branch, has only been confirmed by further knowledge of it; for, while I cannot judge of the technical merits and faults of the system, I do well know that in doing its work of receiving and giving out alarms the practical results have been in every way most satisfactory, all statements to the contrary notwithstanding

Besides the need of a piece of apparatus (combination wagon or ladder truck) for the neighborhood of Grove Hall, Dorchester, I beg leave to urge the necessity of a new and enlarged house in place of that now occupied by Engine 30 in West Roxbury, not only to provide decent quarters for the men and engine, but in order to make possible the strengthening of equipment much needed by this growing and widely scattered community. Nothing has been done for Ladder Company 13, on Washington, near Dover Street, the house of which is not only unsafe but a disgrace to the department and the city, as well as being too small for a company properly equipped for the work required, Again it is my duty to call your attention to the crying want of a veterinary hospital, and to ask that the \$11,400 saved from the appropriation for building the new house for Ladder 12 on Tremont Street be utilized for that purpose. But all possible improvement in apparatus and equipment may in some cases be of little avail without the enforcement of more stringent building laws, in the past opposed by the very citizens who ought to be the first to insist upon the best.

## FIRE DEPARTMENT.

	V	TAL	RMS	ALARMS RECEIVED	CEIV	VED		LOSS.	SS.	INSURANCE.	ANCE.	;	ALA	ALARMS	.			'sm i	BUI	BUILDINGS.	GS.		LeoU ers
			FROM		. Мон М							TEL	TELEGRAPH	Hdv				81147					,si Jsi
MONTHS.	Fire patrol.	Members.	Police.	Citizens.	.aitemotuA	.awoaslaU	.IstoT	.szafblinU	Contents.	.ezaildinge.	.stn9tnoO	Fire.	False.	Needlean.	STILL.	ua of benfino)	O of bebnetza	Needless; Still	No Damage.	Slight Damage Onsider'ble D	Totally Destroy	Out of City.	Vharf, Vesse piles, Electr
	°	1 1	17	127			162	\$114,019	\$189,115	\$1,430,357	\$1,034,500	F		14	76	109	9	21	36	1.8	1 2	1 77	01
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	C1	9	23	143	15	1	187	16,561	36,457	1,259,583	156,900	$^{26}$		9	101	101	4	25	38	61	9	4	0
	C1	6	8	175	2	:	208	46,441	64,449	1,314,691	495,175	98	¢1	1-	101	146	61	13	51	86	10	4	
	10	\$	32	146	م	-	194	47,165	56,509	1,383,042	566,276	3	П	ŝ	122	16	ŝ	18	58	43	2		- 67
	14	6	58	186	,U	¢1	274	27,296	26, 640	$1,031_{9}400$	312,409	104	01	1-	161	139	9	13	63	2	11	-10	1 106
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	4	က	6	8	10	-	112	24,042	6,492	1,223,625	841,025	50	-	s	53	25	0	14	38	37	52	4	
	67		11	66	~	:	124	8,300	11,819	1,292,975	245,900	29	-	+	62	85	Ţ	18	64	36	2	4	
	-	6	13	100	4	:	126	18,585	27,376	782,750	490,895	55	÷	10	61	84	4	11	35	48	1-	C1	_
	¢1	15	26	168	6	:	220	96,06 <u>4</u>	71,571	1,323,350	761,400	88	-	14	117	156	ಣ	30	69	85	00	-	61
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	5	8	2691	15.08	1 8		2066	\$601.931	\$792.776	\$14 859.504	S6 773.826	879	1 1	102	10651	1320	1 87	200	268	746 10	101	1 1	14 353

TABLE NO. 1.

3

## CITY DOCUMENT NO. 11.

## TABLE NO. 2.

Showing the different Causes of Fires and Alarms, from February 1, 1896, to February 1, 1897.

•	•	25
		105
		17
		<b>14</b>
		41
		22
		353
		39
		9
		56
		78
		40
		6
		14
		3
		5
		2
		14
		53
		16
		43
		9
		3
		4
		11
		76
		11
		43
		33
		71
		48
n•		62
		12
		5
		26
		103
		59
		8
		59
		15
		12
	n	n ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (

Overheated r				•				13
Rekindling of	f ruins of p	oreviou	ıs fire					3
Slacking of li			•	•			•	4
Smoky chimr	ney .			•				31
" furnac	ce or stove							26
Sparks from a	another fire	э.	•	•	•			3
· · · · ·	furnace or	stove	•					10
	$\operatorname{chimney}$			•		•		18
** **	locomotive		•					42
•• ••	forge .			•			•	10
Spontaneous	combustion	h.				•		77
Steam escapio	ng .	•						11
Unknown	• •	•						147
Water-pipes,	thawing ou	ıt	•			•	•	42
Wood in over	n igniting	•					•	2
Total	• •	·	·	•	•	•	·	2,066
Total number	r of actual	fires						1,721
Confined to c								1,320
Extended to		5 ·						48
Wharves, ves		etc.		÷			·	$3\tilde{53}$
Out of the ci		•		•	•	•		14
		DITT	DINGO					
au 1.1 1		DUIL	DINGS	•				= 10
Slightly dama		•	•	•	•	·	•	746
Considerably		•	•	·	•	•	•	104
Totally destr		•	•	•	•	•	•	33
Not damaged		•	•	•	•	•	•	568
	Ev	TINGU	TSUFI	D DV				
Entinemish on		indu	101111					472
Extinguishers Buckets of w	s	•	•	·	•	·	•	$\frac{412}{260}$
		·	•	•	•	•	•	$\frac{200}{241}$
Chemical eng			·	•	•	·	•	186
Hydrant strea	am .	·	•	·	•	·	•	
Steamers Police .	• •	·	·	•	•	·	•	303
	• •	•	·	•	•	•	•	23
Citizens .	• •	•	•	•	·	•	•	236
Total			•			•		1,721

#### ORGANIZATION.

Fire Commissioner Henry S. Russell, appointed January 21, 1895; term expires May, 1898. Benjamin F. Underhill, Jr., secretary.

 $\mathbf{5}$ 

#### CHIEF OF DEPARTMENT.

LEWIS P. WEBBER, Headquarters, Bristol street.

First Assistant Chief, JOHN W. REGAN, Headquarters, Engine-house 26, Mason street.

Second Assistant Chief and Chief of District No. 4, WM. T. CHESWELL, Headquarters, Engine-house 4, Bulfinch street.

BROWN S. FLANDERS, Superintendent of Fire Alarms.

CYRUS A. GEORGE, Assistant Superintendent of Fire Alarms.

### District Chiefs.

Peter F. McDonough, I	Headquarters,	Ladder-house 2.
C. H. W. Pope,		·· 9.
John F. Egan,		·· 8.
John F. Ryan,	" "	Engine-house 26.
John A. Mullen,	"	" 1.
Patrick E. Keyes,	"	" 3.
John Grady,	"	Ladder-house 12.
Edward H. Sawyer,	"	·· 4.
Williston A. Gaylord,	"	Engine-house 18.
Nathan L. Hussey,	"	. " 41.
Lewis P. Abbott,	"	·· 28.
Henry M. Hawkins,	Superinte	endent of Repair Shop.
Eugene M. Byington,	Asst. Superinte	endent of Repair Shop.

#### CLERKS.

Wm. E. Delano, M. J. Lafferty, Geo. F. Murphy, James P. Maloney.

D. J. Quinn, Messenger.

#### FORCE AND PAY-ROLL.

Commissioner					\$5,000 pe	r annum.
Secretary .					$2,\!400$	"
Chief of Depart	ment				3,500	"
First Assistant C	Chief				2,400	"
Second "	"				2,200	"
Superintendent of	of Fire	Alar	$\mathbf{ms}$		3,200	66
Assistant Supt.		"		•	2,000	"
11 District Chief	s.				2,000	"
Superintendent of	f Rep	air Sl	юр		2,000	**
Assistant Supt.	"	"	<u>د</u> و		1,600	"
Veterinary Surge	eon		•		1,800	"

## FIRE DEPARTMENT.

<b>2</b>	Clerks .					\$900	per annum.
1	Clerk .					1,000	
1	Clerk .					1,300	"
1	Messenger .					1,000	66
1	detailed man	as	Clerk,	Re	pair		•
	Shop .				•	1,300	66
51	Captains .					1,600	" "
57	Lieutenants					1,400	"
						1,300	"
40	Assistant Eng	inee	rs .			$1,\!200$	"
431	Permanent me	en:					
	288 at	•				1,200	66
	42 "				•	1,100	66
	46 "					1,000	66
	55 "					900	"
	Call Captain					325	
88	Call men:						
	27 at	•		•		250	66
	61 "		•		•	200	66
	Driver for Ch		1		nt.		per day.
	Drivers for As				•	1.75	
	Drivers for Di	stric	t Chiefs	3	• *	1.75	"
	Watchmen	•	•	•	•		per annum.
2	Hostlers, aver	rage	•	•	•	2.10	per day.

## FIRE ALARM FORCE.

6 Operators		\$1,600 per annum.
2 Assistant Operators .		1,200 "
1 Foreman of Construction		1,800 "
1 Dynamo Man	•	2.00 per day.
16 Repairers, average .		2.81 "

### REPAIR SHOP EMPLOYEES.

1 Engineer		\$3.00 per day.
1 Assistant Engineer .		
1 Harness Maker		4.00 per day.
2 Painters average .		3.12 "
2 Wheelwrights average		3.25 "
6 Machinists, average .		3.17 "
4 Blacksmiths, average .		3.19 "
2 Blacksmiths helpers, ave	rage	2.50 "
4. Laborers		1.94 "

805 Total force.

#### FIRE DISTRICTS.

The city is divided into twelve fire districts, as follows:

#### District 1.

All that part of Boston known as East Boston.

#### District 2.

All that part of Boston formerly known as Charlestown.

#### District 3.

The territory bounded on the north and east by the water front, on the south by Summer street, and on the west by Washington and Charlestown streets.

#### District 4.

The territory bounded on the north by the Charles river, on the east by Charlestown and Washington streets, on the south by Winter, Park, and Beacon streets, and on the west by the Charles river and Berkeley street.

#### District 5.

The territory bounded on the north by Beacon, Park, Winter, and Summer streets, on the east by Fort Point channel, on the south and west by Broadway, Way, Motte, Castle and Ferdinand streets, Columbus avenue, and Berkeley street.

#### District 6.

All that part of Boston known as South Boston, and running south as far as Dorset and Locust streets.

#### District 7.

The territory bounded on the north by Berkeley street, Columbus avenue, Ferdinand, Castle, Motte, and Way streets, and Broadway, on the east by Fort Point channel and South bay, on the south by Massachusetts avenue, and on the west by the Charles river.

#### District S.

The territory bounded on the north by the Charles river and Massachusetts avenue, on the east by Washington street, on the south by the old boundary line between Roxbury and West Roxbury, and on the west by the Brookline line, Beacon and Deerfield streets.

#### District 9.

The territory bounded on the north by Massachusetts avenue, South bay, Dorset and Locust streets, on the east by Dorchester bay, on the south by Freeport, Hancock, Bowdoin, Olney, and Columbia streets, and on the west by Blue Hill avenue, Seaver and Washington streets.

#### District 10.

That part of Dorchester bounded on the north by Columbia, Olney, Bowdoin, Hancock, and Freeport streets, on the east by Dorchester bay, on the south by the Neponset river and the Hyde Park line, and on the west by Back street and Blue Hill avenue.

#### District 11.

All that part of Boston known as Brighton, and extending east as far as Deerfield and Beacon streets.

#### District 12.

All that part of Boston known as West Roxbury, bounded on the north by the old boundary line between Roxbury and West Roxbury and Seaver street, on the east by Blue Hill avenue and Back street, on the south by the Hyde Park and Dedham lines, and on the west by the Newton and Brookline lines.

In all cases where streets are designated as boundaries, the centre of the street will be the dividing line.

### Assignment of Districts.

Each district is placed under the charge of a District Chief, as follows:

		COMPAN	TES IN 1	DISTRICTS			
District.	Chief in Command.	Engines.	Chemical Engines.	Hook and Ladders.	Hose.	Combination Wagons.	Water Towers.
1	Peter F. McDonough	5, 9, 11, 40	7	· *2			
2	С. Н. W. Роре	27, 32, 36	9	*9	3		
3	John F. Egan	8, 25, 44	···•	*8, 14			
4	Wm. T. Cheswell	*4, 6, 10	1, 11	1			1
5	John F. Ryan	7,*26,35	2	17			
6	John A. Mullen	*1, 2, 15, 38, 39, 43	8	5		2	
7	Patrick E. Keyes	*3, 22, 33	4	3, 13, 15			2
8	John Grady	13, 14, 37	$^{3}, 12$	*12			
9	Edward H. Sawyer	12, 21, 23, 24	10	*4			
10	Williston A. Gaylord	16, 17, *18, 19, 20		6,7		1	
11	Nathan L. Hussey	29, 34, *41	6	11			
12	Lewis P. Abbott	*28, 30, 42, 45	5	10, 16			

\* Headquarters of District Chief.

The following property is in charge of the Fire Commissioner:

	Location.	No. of feet in lot.	Remarks.
No. 1	Dorchester street	5,698	
2	Cor. of O and Fourth streets.	4,000	
3	Bristol st. and Harrison ave.	4,000	Ladder No. 3 in the building.
4	Bulfinch street	6,098	Chemical Engine No. 1, Lan- cers' Armory, and water-
5	Marion street, E.B	1,647	tower in this building.
6	Leverett street	2,269	
7	East street	1,893	
8	Salem street	2,568	
9	Paris street, E.B	4,000	Ladder No. 2 in this building.
10	River street	1,886	
11	Saratoga and Byron streets .	10,000	
12	Dudley street	7,320	
13	Cabot street	4,832	•
14	Centre street	5,713	
15	Dorchester avenue	2,843	
16	River st., Dorchester Dist	12,736	Ladder No. 6 in this building.
17	Meeting-house Hill, Dorches- ter Dist	9,450	Ladder-house No. 7 on this lot.
18	Harvard street, Dor. Dist	10,225	
19	Norfolk street, "	7,683	
· 20	Walnut street, "	9,000	
21	Boston street, "	9,355	
22	Dartmouth street	4,463	
23	Northampton street	3,445	
24	Cor. Warren and Quincy sts.	4,186	
25	Fort Hill square	4,175	Ladder No. 8 and Ladder No. 14 in this building.
26	Mason street	5,623	Engine No. 35 in this building.
27	Elm st., Charlestown Dist	2,600	
28	Centre street, W. Roxbury District	10,377	Ladder No. 10 in this building
29	Chestnut Hill ave., Brighton District	14,358	Ladder No. 11 in this building
30	Mt Vernon street, W. Rox- bury District	16,275	
31	Bunker Hill street	8,188	
32	Cor. Boylston and Hereford streets	5,646	Ladder No. 15 in this building.

## Engine-Houses.

	Location.	No. of feet in lot.	Remarks.
No.33	Western ave., Brighton	4,637	
34	Monnment street	5,668	
35	Cor. Longwood and Brook- line avenues	5,400	Chem. Eng. 3 in this building
36-37	Congress street	4,000	
38	Sumner st., East Boston	4,010	
39	Harvard ave., near Cam- bridge st., Brighton Dist	6,112	Chem. Eng. 6 in this building
40	Washington street, between Atherton and Beethoven	3,848	Chem. Eng. 5 in this building
41	Andrew square	5,133	
42	Poplar st., cor. Washington, W. Roxbury	14,729	Ladder No. 16 in this building
	CHEMICAL-ENGINE HOUSES.		
1	Bulfinch street		See Engine-house 4.
2	Church street	3,412	•
3	Cor. Longwood and Brook- line avenues		See Engine-house 37.
4	Shawmint avenue	889	
5	Washington street, between Atherion and Beethoven		See Engine No. 42.
6	Harvard ave., near Cam- bridge st., Brighton Dist		See Engine No. 41.
7	Chelsea street, East Boston	1,346	
8	B street	1,804	
9	Main street		See Ladder-house 9.
10	Eustis street	1,754	
11	North Grove street	3,918	-
12	Tremont street		See Ladder-house 12.

## ENGINE-HOUSES. - Concluded.

Hose-House.

	Location.	No. of feet in lot.	Remarks.
No. 3	Winthrop street	3,000	

### FIRE DEPARTMENT.

#### COMBINATION-WAGON HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1	Dorchester avenue, Ashmont.	4,875	
2	Fourth street	3,101	

#### HOOK-AND-LADDER HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1	Friend street	1,676	
2	Paris street, East Boston		See Engine-house 9.
3	Harrison avenue		See Engine 3.
4	Dudley street	3,923	
5	Fourth street	2,469	
6	River street, Dorchester		See Engine-house 16.
7	Meeting-house Hill		See Engine 17.
8	Fort Hill square		See Engine Co. 25.
9	Main street, Charlestown	4,290	Chemical 9 in this building.
10	Centre street, W.R		See Engine-house 28.
11	Chestnut Hill avenue, Brigh- ton District		See Engine-house 29.
12	Tremont street	4,350	Chemical 12 in this building.
13	Washington, near Dover st	1,007	
14	Fort Hill square		See Engine-house 25.
15	Boylston, cor. Hereford st		Engine 33 in this building.
16	Roslindale		See Engine 45.
17	Harrison avenue	2,134	

Fuel-house, Salem street, 417 feet of land.

Fuel-house, Main street, Charlestown, 2,430 feet of land. Headquarters Building and Repair-shop, corner of Albany and Bristol streets, 23,663 feet.

Water Tower No. 2 and Wrecking Wagon are in Headquarters Building.

5,624 feet of land on Washington street, Dorchester, purchased as a site for a ladder-house.

	Second size. Third First Second Frinst Second Third Third Third Third Third Third Third Third Third Third
.940ut2	2 2 4 4 4 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Diameter of Pump.	4. 10.04. 104.44.40.04.04.44.44.44.44.44.44.44.44.4
Diameter of Cylinder.	「 して して して して して して して して して して
Put in Service.	$\begin{array}{c} 17, 1572\\ 17, 1572\\ 1890\\ 1896\\ 130, 1896\\ 130, 1896\\ 130, 1896\\ 130, 1896\\ 130, 1896\\ 17, 1882\\ 130, 1872\\ 11, 1882\\ 1890\\ 5, 1890\\ 1, 1882\\ 1, 1880\\ 1, 1880\\ 1, 1880\\ 1, 1880\\ 1, 1880\\ 24, 1888\\ 24, 1888\\ 1896\\ 130, 1895\\ 1896\\ 10, 1892\\ 24, 1888\\ 1896\\ 10, 1892\\ 24, 1888\\ 24, 1888\\ 24, 1888\\ 24, 1888\\ 24, 1888\\ 24, 1888\\ 24, 1888\\ 24, 1888\\ 24, 1888\\ 24, 1888\\ 24, 1888\\ 24, 1888\\ 24, 1888\\ 24, 1888\\ 24, 1888\\ 24, 1888\\ 24, 1882\\ 24, 1888\\ 24, 1882\\ 24, 1822\\ 24,$
Puti	Sept. Nov., Feb. June, June, June, March March March April Sept. Sept. Nov., Jus. June, June,
Built by.	A moskeag Mfg. Co Manchester Loco, Works. Clapp & Jones Mfg. Co Amoskeag Mfg. Co Silsby Mfg. Co Silsby Mfg. Co Manchester Loco. Works, Manchester Loco. Works, Manchester Loco. Works, Clapp & Jones Mfg. Co American Fire Eng. Co Manchester Loco. Works, Clapp & Jones Mfg. Co Amoskeag Mfg. Co Amoskeag Mfg. Co Manchester Loco. Works, Clapp & Jones Mfg. Co
Location.	Dorchester, near Fourth, S.B. Fourth, cor. O, S.B. Harrison ave., cor. Bristol Marion st., E.B. Leverett st. Leverett st. East st. Salen st. Paris st., E.B. Mount Vernon, cor. River st. Salen st., Dorchester Paris st., B.B. Mount Vernon, cor. River st. Paris st., B.B. Mount Vernon, cor. River st. Paris st., Dorchester Cabot st., Dorchester Norchester are. Martin st., Dorchester Northampton st. Northampton st. Northampton st. Northampton st. Northampton st. Northampton st.
No.	- a a 4 a 9 b 8 c C I S S 4 a 9 b 8 c 8 c 8 c 8 c 8 c 8 c 8 c 8 c 8 c 8

STEAM FIRE-ENGINE COMPANIES.

CITY DOCUMENT NO. 11.

Second size.	2 sets of pumps 6,520 gallons.* Third size.		Second size.
Market Red ary. 10 and ary. 10 and ary. 10 ary. 10 ary. 10 ary. 11 ary. 10 ary. 11 ary. 10 ary. 11 ary. 10 ar	10		ary. 88 88 88 88 88 88 88 88 88 88 88 88 88
Kot Rot Rot Rot Rot Rot Rot	Р. 10 Ч <sup>3</sup> в		55 Kot
	124 II. P. 18 I. P. 7		Valting 0 
$\begin{array}{c} 1, 1872\\ 29, 1886\\ 1, 1874\\ 3, 1891\\ 3, 1891\\ 3, 1891\\ 3, 1891\\ 3, 1891\\ 3, 1890\\ 9, 1890\\ 1, 1890\\ 1, 1890\\ 1, 1890\\ 1, 1890\\ 1, 1890\\ 1, 1890\\ 3, 1893\\ 3, 1893\\ 3, 1893\end{array}$	1895 1895	minute.	26, 1869 1870 1879 1886 1886 1884 1884 1884 1890 1890 1890 1890
July July Jan. Oct. July March Feb. July Nov., Ang. April April Feb., Feb., March	Aug., Jan.,	ns per erve.	April Feb., Dec., May, Nov., July, Nov., Nov., Nov.,
Amoskeag Mfg. Co Silsby Mfg. Co Humeman & Co Itapp & Jones Mfg. Co Clapp & Jones Mfg. Co Manchester Loco. Works, Silsby Mfg. Co Amoskeag Mfg. Co Manchester Loco. Works, Amoskeag Mfg. Co Clapp & Jones Mfg. Co Silsby Mfg. Co Clapp & Jones Mfg. Co Silsby Mfg. Co Clapp & Jones Mfg. Co	American Fire Eng. Co American Fire Eng. Co	* At 225 revolutions per minute. In Reserve.	Freeman & Jucket Amoskeag Mfg. Co Manchester Loco. Works. Amoskeag Mfg. Co Silshy Mfg. Co Clapp & Jones Mfg. Co Manchester Loco. Works what of service at Brook's wha
Elm st., Charlestown	India wharf (Fire-boat) Poplar st., W. Roxbury		Old         Streeman         & Jucket         April         26, 1369         74         44         8         Second           Old         10         10         10         1370         74         44         8         4         4         8         4         4         8         4         4         8         1         6 </td
2222825822882288244444	44 45	-	AUCUMFGH

FIRE DEPARTMENT.

15

COMPANIES.
CHEMICAL-ENGINE

Capacity.	Gals.           100           100           100           100           170           170           100           100           100           100           100           100           100           100           100           100           100           100           100           100           100		Weight as drawn to Fires.	1.08.1 2,8:30
Weight as drawn to Fires.	$\begin{cases} L_{J/S}, \\ 4,500 \\ 4,500 \\ 3,720 \\ 5,720 \\ 5,130 \\ 5,130 \\ 5,030 \\ 5,030 \\ 5,090 \\ 5,090 \\ 5,090 \\ 5,090 \\ 5,080 \\ 3,000 \\ 5,080 \\ 3,000 \\ 5,080 \\ 3,000 \\ 5,080 \\ 3,000 \\ 5,080 \\ 3,000 \\ 5,080 \\ 3,000 \\ 5,080 \\ 3,000 \\ 5,080 \\ 3,000 \\ 5,080 \\ 3,000 \\ 5,080 \\ 3,000 \\ 5,080 \\ 3,000 \\ 5,080 \\ 3,000 \\ 5,080 \\ 3,000 \\ 5,080 \\ 3,000 \\ 5,080 \\ 3,000 \\ 5,080 \\ 3,000 \\ 5,080 \\$		Put in Service.	Sept. 13, 1888.
Put in Service.	Nov. 9, 1895. July. 27, 1874. Used as a spare en- gine and put in ser- vice, Dec. 20, '95. Sept. 21, 1876. May 1, 1880. Sept. 27, 1880. July 177, 1880. Sept. 13, 1880.			1
Builders.	Charles T. Holloway       Nov. 9, 1895.         """"""""""""""""""""""""""""""""""""	HORSE-HOSE COMPANY.	Built by	Amoskeag Manufac
	Charles T. Babcock M Rebuilt by Altered by " " " " " " " " " " "	SE-HOSI		п
Location.	Bulfinch street	HOR	Location.	Winthrop street, Charlestown Amoskeag Manufacturing Co
Number.	1         Bulf           2         Com           3         Com           4         Com           5         Con           6         Egle           6         Bab           9         Mair           10         Nort           11         Tren		Number.	

In Reserve – Hose-Carriage Relief, A, B, D, E, F, G, H, I, J, K. Old Wagons of Engines 9, 10, 15.

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CITY DOCUMENT NO. 11.

Number.	Location.	Builders.	Put in Service.	Weight as drawn to Fires.	Number of Ladders.
	111	,			
1 61	Paris st., E. B.	AUD00-DOWLING CO	December 20, 1890. April 20, 1891.		21 62
g			June 2, 1886.	<ol> <li>9,535</li> </ol>	22
4	Dudley street, Highland District	La France Fire-Engine Co., Elmira, N. Y.	April 25, 189	8.365	Extension.
5	Fourth street, near Dorchester	Hunneman & Co.	March 3, 1870.		17
6	Temple street, Dorchester				. 19
	Meeting-House Hill	Freeman and Jucket		<ol> <li>6,560</li> </ol>	14
8 	Fort Hill square	Abbott & Downing	January 30, 1890.		14
	Main street, Charlestown	Leverich & Co., N. Y.	October 6, 187		19
10		Hunneman & Co	nber		12
11		_			14
12	Tremont street, Highland District		July 31, 1880.		15
	Washington street, near Dover.	LA FRANCE FIFE-ENGINE CO., ELMITA, N $\mathbf{V}$	Morals 19 Tor		Hayes
14	Fort Hill square	Fire Extinguisher Manufacturing		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	TOISIDAVE
15	Bowlston street	Co., Chicago	January 30, 1893.	3. 10,000	Extension.
		Co. Chicago April	April 28, 1888.		Extension.
16	Roslindale	Repair-shop	nber	8. 5,400	15
17	Harrison avenue	Harrison avenue Preston Co. Chica co	Anril 90 1801	11 075	Extension. 87 feet

HOOK-AND-LADDER COMPANIES.

FIRE DEPARTMENT.

17

	HOOK-AND-	LADDER 7	HOOK-AND-LADDER TRUCKSIn Reserve.		
	Description.		Bullders.	as drawn	Weight as drawn to Fires.
Relief C,	Relief C, formerly old No. 2.				
Relief A	Relief A, old 3	Hunneman & Co	Co		20%. 8,375
3 	" B, old 8		Repair-shop		
One new	One new Abbott-Downing Co	Abbott-Downi	ng Co	6	9,535
Old Lad	Old Ladder 11		II unneman & Co.	8	8,065
		WATER TOWERS.	OWERS.		
Number.	Location.		Builders.	Put in Service.	Weight as drawn to Fires.
1	Bulfinch street		Kansas City Fire Dept. Supply Co	May 17, 1890.	<i>Lbs.</i> 10,000
61			Bristol street Dec. 18, 1893.	Dec. 18, 1893.	10,000

Rosowo PRIMAR

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CITY DOCUMENT NO 11.

NEW APPARATUS PURCHASED DURING THE YEAR.

2 second size Manchester Locomotive Works engines.

1 first " " " engine.

- 1 one-horse chemical engine.
- 2 two-horse hose wagons.
- 2 District Chiefs' "

#### HOSE.

Amount of hose purchased and condemned during the year:

Purchased		Conden	nned.	
Leading cotton,	$26,\!620$	feet.	9,100	feet.
" rubber,	••••		700	"
Chemical,	1,000	"	300	"
Suction,	184	"	137	44
Totals,	27,804	"	10,237	"

Amount of hose in use and in storehouse February 1, 1897 :

	In $U$	se.	In Store	house.
Leading cotton.	, 81,000	feet.	10,500	feet.
" rubber			5,400	44
Chemical,	5,950	"	1,300	"
Suction,	996	"	233	"
Totals,	90,646	44	17,433	"

#### HORSES.

Purchased during the year	•	47
Sold or exchanged .		23
Died		4
Killed, for cause		-1
Number in the department		287

#### FIRE-ALARM BRANCH.

Work of new construction, renewal and extension for the maintenance of the efficiency of the overhead wires of the Fire-Alarm service has been carried on as usual during the year.

The new construction has been confined chiefly to Roxbury and West Roxbury, the other work being done in such portions of the city as conditions required.

About forty-five miles of new wire have been used and 514,639 feet of old wire taken down.

The underground district for 1896, as prescribed by the Commissioner of Wires, lies within the lines of the following streets:

Beginning at the water, along Broad street to Franklin, Washington, Bromfield, Tremont, Court, Hanover, Washington to Charlestown street, to the water.

All work in this district was completed within the time required by law, with the exception of a small number of abandoned poles and roof fixtures that are to be removed in a short time.

Some underground work has also been done outside the district.

Cables with capacities varying from 10 to 61 conductors were used and laid in subways belonging to the New England Telephone Company, with the exception of 2,467 feet, which were constructed by this department. Five man-holes have been built and 55 service connections made therewith.

Total length of cables laid in district.	20,143 feet.
Laid outside district	5,190 "
Total length conductors in district .	509,671 "
Conductors outside district	91,976 "
Total length cables now underground	81,233 "
Total length conductors	$2,915,631$ $\cdot\cdot$

The underground service has been extended to 31 boxes and 3 department houses and 20 new boxes have been established during the year.

There are 583 fire-alarm boxes now in service.

#### FIRE DEPARTMENT.

The following boxes are private property: 38 duplicate, 115, 119, 149, 152, 161, 227, 228, 244, 271, 279, 281, 283, 299, 358, 422, 442, 443, 445, 446, 447, 448, 449, 511, 533, 617, 619, 623, 624, 626, 629, 698, 711, 714, 715, 716, 718, 722, 724, 725, 726, 727, 728, 729, 731, 733, 735, 737, 738, 739, 741, 742, 744, 745, 746, 766, 769, 778, 779, 789, 791, 792, 793, 794, 795, 796, 797, 799, 816, 838, 842, 919, 927, 967, 971, 974.

#### ALARM BELLS.

The Fire-alarm Telegraph is connected with the following bells :

- Adams School-house, Sumner street, East Boston, steel, 2,995 lbs., owned by city.
- Bunker Hill School-house, Charlestown, 2009 lbs., owned by city.
- Chapman School-house, Eutaw street, East Boston, steel,  $3,109\frac{1}{2}$  lbs., owned by city.
- City Hall, Charlestown, composition, 3,600 lbs., owned by city.
- Engine-house No. 16, Temple street, Dorchester, composition, 4,149 lbs., owned by city.
- Engine-house No. 17, Meeting-House Hill, Dorchester, composition, 4,000 lbs., owned by city.
- Engine-house No. 18, Harvard street, Dorchester, composition, 3,184 lbs., owned by city.
- Engine-house No. 19, Mattapan, Dorchester, composition, 2,927 lbs., owned by city.
- Engine-house No. 20, Walnut street, Dorchester, composition, 3,061 lbs., owned by city.
- Engine-house No. 21, Boston street, Dorchester, composition, 3,026, lbs., owned by city.
- Engine-house No. 28, West Roxbury, composition, 4,000 lbs., owned by city.
- Engine-house No. 29, Brighton, steel, 1,535 lbs., owned by city.
- Engine-house No. 30, West Roxbury, 300 lbs., owned by eity.
- Engine-house No. 34, Brighton, composition, 1,501 lbs., owned by city.
- Engine-house No. 40, Orleans street, East Boston, composition, 817 lbs., owned by city.
- Engine-house No. 41, Allston, composition, 900 lbs., owned by city.

- Engine-house No. 45, Roslindale, composition, 1,059 lbs., owned by city.
- Faneuil Hall, steel, 5,816 lbs., owned by city.
- Lewis School-house, Dale street, Boston Highlands, composition, 3,104 lbs., owned by city.
- Maverick-street Church, East Boston, composition, 2,000 lbs.
- Princeton-street School-house, East Boston, composition, 2,470 lbs., owned by city.
- Saratoga-street M. E. Church, East Boston, steel, 1,968 lbs., owned by city.
- Warren School-house, Charlestown, composition, 3,000 lbs., owned by city.
- Winthrop School-house, Charlestown, composition, 3,000 lbs., owned by city.

Bells owned by the city, which have been disconnected from service, are located as follows:

- Fire-alarm repair shop, bell formerly used on house of Chemical Engine 5; one composition, 400 lbs., formerly used on house of Chemical Engine No. 4; one composition, 400 lbs., formerly used on house of Chemical Engine No. 6; and two small bells from other locations.
- Engine-house No. 1, Dorchester street, South Boston, composition, 800 lbs.
- Engine-house No. 2, composition, 800 lbs.
- George-street School-house, Boston Highlands, composition, 4,160 lbs.

Hook-and-Ladder House, No. 4, Dudley street, Boston Highlands, composition, 3,509 lbs.

- Lawrence School-house, B street, South Boston, steel 3,400 lbs.
- Lincoln School-house, Broadway, South Boston, composition, 3;110 lbs.

Quincy School-house, Tyler street, composition, 2,941 lbs.

- Smith-street School-house, Highlands, composition, 4,083 lbs.
- Ticknor School-house, Dorehester street, Washington Village, steel, 2,995 lbs.
- Trinity Church, Trenton street, East Boston, composition, 1,760 lbs. Formerly used on Castle-street Church.
- Van Nostrand's Brewery, Charlestown, composition, 818 lbs. Formerly used on Boylston School-house.
- Wells School-house, Blossom street, composition, 1,675 lbs.

#### Public Clocks.

The following public clocks, forty in number, are taken care of by the Fire Department:

#### City Proper.

Arlington-street Church.
Charles-street Church.
Christ Church, Salem street, owned by city.
Commercial Wharf.
Odd Fellows Hall, Tremont street, owned by city.
Old South Church, owned by city.
Old State-House, owned by city.
Park-street Church.
Suffolk County Jail, owned by city.
St. Stephen's Church, Clark street, owned by city.
Shawmut-avenue Church.
Tremont M. E. Church, owned by city.
Young Men's Christian Union, owned by city.

#### South Boston.

Bigelow School-house, owned by city. Gaston School-house, owned by city. Lincoln School-house, owned by city. Phillips Church, owned by city. St. Augustine Church, Dorchester street, owned by city. Ticknor School-house, Washington Village, owned by city.

#### East Boston.

Central Square Church. London-street Church, owned by city. Lyceum Hall, owned by city. Trinity Church, owned by city. Orient Heights Church, owned by city.

#### Boston Highlands.

Winthrop-street Church, owned by city. West End stables, Tremont street, owned by city. Roxbury High School, owned by city.

#### Dorchester.

- Baker Memorial (Upham's Corner), owned by city. Neponset Church. Tileston School (Mattapan), owned by city. Unitarian Church (Milton Lower Mills).

Charlestown.

Bunker Hill Church. City Hall, owned by city. Harvard Hill Church. High School-house, owned by city. Unitarian Church.

#### West Roxbury.

Dr. Strong's Church. Unitarian Church. Congregational Church (Roslindale), owned by city.

#### Brighton.

Bennett School-house, owned by city.

To the officers and men of the department I can heartily express my entire satisfaction with the spirit and manner of their work, and thank them for their successful efforts to sustain our good name and reputation; and I cannot too strongly express to yourself my gratitude for the uniformly generous support and confidence with which you have favored me.

Your very obedient servant,

HENRY S. RUSSELL,

Commissioner.

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# 25 ANNUAL REPORT

OF THE

# FIRE DEPARTMENT

FOR THE

63.51.8

# YEAR 1897-98.



BOSTON: MUNICIPAL PRINTING OFFICE. 1898:

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## ANNUAL REPORT

OF THE

# FIRE DEPARTMENT

FOR THE

## YEAR 1897-98.



BOSTON: MUNICIPAL PRINTING OFFICE. 1898:



#### OFFICE OF THE FIRE COMMISSIONER, BRISTOL STREET, BOSTON, February 17, 1898.

HIS HONOR JOSIAH QUINCY, Mayor :

SIR: Good fortune during the past year has enabled this department to again present a satisfactory showing; and for how many years such fortune should have all credit for small fire losses I do not pretend to judge; but there must be a point at which eternal vigilance and activity, good generalship, zealous leaders and anxious followers and an excellent and entirely successful system for receiving and transmitting alarms, together with thorough equipment and appliance for fire duty may claim at least a small share of credit for favorable results. But with all the vigilance, discipline and equipment possible, we cannot hope to long retain our present record when citizens keep hot ashes in wooden barrels, or delay in giving us alarms until after they have let a small blaze grow to an incipient conflagration through their vain efforts to perform their own fire fighting; or while real estate owners can legally build tinder boxes in the shape of tenement houses, or leave old wooden fire-traps standing in the midst of large and valuable buildings; for some day, with bad luck and weather, we are sure to find ourselves burdened with heavy fire loss, unless our law-makers eradicate the existing evils, which may, at any time, postpone to the far future that millennium for underwriters which every fire department should strive to establish. The wooden camps pitched in some of our outskirts, as well as much of South Boston, offer a tempting harvest for fire, and cannot fail to be gathered as soon as the conditions of wind and weather are favorable, in spite of all possible firemen and fire apparatus.

The so-called fire-limit should, I think, be speedily drawn far beyond its present line in order to bring within the restriction of the building law that territory which at present is treated as a country district, and in reality is fast becoming a terror to all firemen.

Nothing has knowingly been left undone which could increase the efficiency of this department or make the houses more healthy, serviceable and comfortable for the men; and now a veterinary hospital is our only crying want, the old barn at present used for that purpose being the one spot in our whole outfit not suitable for the important work required of it; and I strongly recommend an additional ladder-truck for that part of our territory now covered by Engines 38, 39, on Congress street, for the reason that many large buildings have been erected in that vicinity, which, in case of need, would require nearer ladder service than at present afforded.

The fire-boat (Engine 31) has not yet been accepted, because she requires, in my opinion, some change in her engines to enable her to successfully cope with that class of fires which requires speed and quick handling; and, therefore, the time for her completion has been extended to May.

The underground 12-inch pipe for the salt water system has been laid for 3,800 feet through Congress street, Post Office square and Central street, still requiring some 300 feet at a cost of about \$7,500 to connect it at each end with the water where the fire-boats are expected to provide the power necessary to force water through the various hydrants to a height equal to or beyond that attained by a street engine.

Our two (2) horseless propellers have given very satisfactory proof of their ability to move speedily and handily through all conditions of streets, as well as of their power to throw extraordinary streams of water after reaching the scene of action.

No fire-alarm box has failed to properly send in the alarm to these headquarters; and, while six million five hundred thousand (6,500,000) blows have been struck on the various bells and gongs in transmitting alarms from these headquarters to the different companies, the mechanical and electrical system has worked with such exact precision that no engine or ladder has been at any time seriously at fault in responding. I know of no case where the officers and men have not done excellent work when called upon, and trust Your Honor shares my confidence that, barring accidents and making allowance for the fallibility of man, our department will continue to deserve the good-will of our fellow-citizens, which, during the past week, has been made so apparent through the sympathy and help extended by them to the families of our six men who lost their lives while on duty at the recent fire in Merrimac street.

## ORGANIZATION.

Commissioner, HENRY S. RUSSELL, appointed January 21, 1895; term expires May, 1898.

Secretary, BENJAMIN F. UNDERHILL, JR.

Chief of Department, LEWIS P. WEBBER, Headquarters, Bristol street.

Assistant Chief, WILLIAM T. CHESWELL, Headquarters, Engine-house 26, Mason street.

Second Assistant Chief and Chief of District No. 6, JOHN A. MULLEN, Headquarters, Engine-house 1, Dorchester street.

Superintendent of Fire Alarms, BROWN S. FLANDERS.

Assistant Superintendent of Fire Alarms, CYRUS A. GEORGE

Consulting Electrician, HENRY F. COTTLE.

Superintendent of Repair Shop, HENRY M. HAWKINS.

Assistant Superintendent of Repair Shop, EUGENE M. BYINGTON.

Veterinary Surgeon, GEORGE W. STIMPSON.

Medical Examiner, RUFUS W. SPRAGUE.

Purchasing Officer, CHARLES A. STRAW.

Storekeeper, GEORGE R. KNIGHT.

#### CLERKS.

Wm. E. Delano, M. J. Lafferty, Geo. F. Murphy, James P. Maloney. D. J. Quinn, Messenger.

## District Chiefs.

John F. Ryan, C. H. W. Pope, Headquarters,

Ladder-house 2. "9.

Joseph M. Garrity, Hea	dquarters,	Ladder-house 8.
Peter F. McDonough,		Engine-house 4.
Nathan L. Hussey,	"	·· 26.
Patrick E. Keyes,	66	" 3.
John Grady,	66	Ladder-house 12.
Edward H. Sawyer,	"	" 4.
Williston A. Gaylord,	"	Engine-house 18.
George F. Griffin,	6 L	" 41.
Lewis P. Abbott,	"	<i>"</i> 28.

## FORCE AND PAY-ROLL.

Commissioner			\$5.000	per annum.
Secretary			2,400	44 F
Chief of Department .			3,500	"
First Assistant Chief.			2,400	**
Second " "			2,200	"
Superintendent of Fire Alarms			3,200	"
Assistant Supt. """"			2,000	"
Consulting Electrician .			800	"
Superintendent of Repair Shop			2,000	"
Assistant Supt. """"	÷	÷	1,600	<b>66</b> -
Veterinary Surgeon			1,800	"
Medical Examiner	÷		600	"
Purchasing Officer			1,600	"
Storekeeper			1,400	"
2 Clerks			900	"
1 Clerk			1,000	"
1 Clerk			1,300	"
1 Messenger			1,000	"
11 District Chiefs			2,000	"
54 Captains			1,600	66
62 Lieutenants			1,400	"
43 Engineers			1,300	"
46 Assistant Engineers .			1,200	"
454 Permanent men:			,	
297 at			1,200	66
39 "			1,100	"
52 "			1,000	"
37 "			900	44
29 "			720	"
92 Call men :		-		
1 at			325	"
			250	66
65 "			200	46
1 Driver for Chief of Depar	tment		1.95	per day.
= = comer of population				L

## 4

<b>2</b>	Drivers for Assistant	c Ch	iefs		1.75 per day.
10	Drivers for District (	Chie	fs .		1.75 "
2	Watchmen		•		1,000 per annum.
2	Hostlers, average	•	•	•	2.10 per day.

## FIRE ALARM FORCE.

6	Operators		\$1,600 per annum.
2	Assistant Operators .		1,200 "
1	Foreman of Construction		1,800 "
1	Dynamo man		2.00 per day.
<b>18</b>	Repairers, average .		2.83 "

## REPAIR SHOP EMPLOYEES.

1 Engineer				\$3.00 per	day.
1 Assistant Engineer				9.00 per	annum.
1 Harness-maker .				4.00 per	day.
2 Painters, average				3.12	44
2 Wheelwrights, averag	e			3.25	44
6 Machinists, average				3.17	"
4 Blacksmiths, average				3.19	"
2 Blacksmiths' helpers,	avera	ge	•	2.50	"
4 Laborers		•		1.94	"

849 Total force.

## FIRE DISTRICTS.

The city is divided into twelve fire districts, as follows :

## District 1.

All that part of Boston known as East Boston.

## District 2.

All that part of Boston formerly known as Charlestown.

## District 3.

The territory bounded on the north and east by the water front, on the south by Summer street, and on the west by Washington and Charlestown streets.

## District 4.

The territory bounded on the north by the Charles river, on the east by Charlestown and Washington streets, on the south by Winter, Park and Beacon streets, and on the west by the Charles river and Berkeley street.

## District 5.

The territory bounded on the north by Beacon, Park, Winter and Summer streets, on the east by Fort Point channel, on the south and west by Broadway, Way, Motte, Castle and Ferdinand streets, Columbus avenue and Berkeley street.

## District 6.

All that part of Boston known as South Boston, and running south as far as Dorset and Locust streets.

#### District 7.

The territory bounded on the north by Berkeley street, Columbus avenue, Ferdinand, Castle, Motte and Way streets, and Broadway, on the east by Fort Point channel and South bay, on the south by Massachusetts avenue, and on the west by the Charles river.

## District 8.

The territory bounded on the north by the Charles river and Massachusetts avenue, on the east by Washington street, on the south by Atherton and Mozart streets, Chestnut avenue, Sheridan and Centre streets, Hyde square, Perkins, Catalpa and Castleton streets, across Jamaicaway to the Brookline line, and on the west by the Brookline line, Beacon and Deerfield streets.

#### District 9.

The territory bounded on the north by Massachusetts avenue, South bay, Dorset and Locust streets, on the east by Dorchester bay, on the south by Freeport, Hancock, Bowdoin, and Quincy streets, Columbia road, and on the west by Seaver street, Columbus avenue and Washington street.

## District 10.

That part of Dorchester bounded on the north by Seaver street, Columbia road, Quincy, Bowdoin, Hancock, and Freeport streets, on the east by Dorchester bay, on the south by the Neponset river and the Hyde Park line, and on the west by Harvard street and Blue Hill avenue.

## District 11.

All that part of Boston known as Brighton, and extending east as far as Deerfield and Beacon streets.

## District 12.

All that part of Boston known as West Roxbury, bounded on the north by a line from the Brookline line across Jamaicaway to Castleton street, through Castleton, Catalpa and Perkins streets, Hyde square, Centre and Sheridan streets, Chestnut avenue, Mozart and Atherton streets, Columbus avenue and Seaver street, on the east by Blue Hill avenue and Harvard street, on the south by the Hyde Park and Dedham lines, and on the west by the Newton and Brookline lines.

In all cases where streets are designated as boundaries, the centre of the street will be the dividing line.

#### Assignment of Districts.

Each district is placed under the charge of a District Chief, as follows :

		Compan	IES IN ]	DISTRICTS			
District.	Chief in Command.	Engines.	Chemical Engines.	Hook and Ladders.	Hose.	Combination Companies.	Water Towers.
1	John F. Ryan	5, 9, 11, 40	7	*2		4	
2	С. н. W. Pope	27, 32, 36	9	*9	3	5	
3	Joseph M. Garrity	8, 25, 44		*8, 14			
4	Peter F. McDonough .	*4, 6, 10	1, 11	1			1
5	Nathan L. Hussey	7, *26, 35	2	17		}	
6	John A. Mullen	*1, 2, 15, 38, 39, 43	8	5		2,3	
7	Patrick E. Keyes	*3, 22, 33	4	3, 13, 15			2
8	John Grady	13, 14, 37	3, 12	*12			
9	Edward H. Sawyer	12, 21, 23, 24	10	*4			
10	Williston A. Gaylord	16, 17, *18, 19, 20		6, 7		1	
<b>n</b>	George F. Griffin	29, 34, *41	6	11			
12	Lewis P. Abbott	*28, 30, 42, 45	5	10, 16			

\* Headquarters of District Chief.

The following-named members have received medals from the Massachusetts Humane Society for saving life at fires during the year:

Captain John I. Quigley, Engine Company 4.

Hoseman John Hogan, Engine Company 4.

Ladderman James F. Bailey, Ladder Company 17.

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The following property is in charge of the Fire Commissioner:

Houses.

Location.	No. of feet in lot.	Occupied by.
Dorchester street	5,698	Engine 1.
Corner of O and Fourth streets	4,000	Engine 2.
Bristol street and Harrison avenue	4,000	Engine 3 and Ladder 3.
Bulfinch street	6,098	Engine 4, Chemical 1 and Tower 1.
Marion street, E.B	1,647	Engine 5.
Leverett street	2,269	Engine 6.
East street	1,893	Engine 7.
Salem street	2,568	Engine S.
Paris street, E.B	4,720	Engine 9 and Ladder 2.
River street	1,886	Engine 10.
Saratoga and Byron streets	10,000	Engine 11 and Combination 4.
Dudley street	7,320	Engine 12.
Cabot street	4,832	Engine 13.
Centre street	5,713	Engine 14.
Dorchester avenue	2,843	Engine 15.
River street, Dorchester District	12,736	Engine 16 and Ladder 6.
Meeting-house Hill, Dorchester Dist	9,450	Engine 17 and Ladder-house 7 or thus lot.
Harvard street, Dorchester District	10,225	Engine 18.
Norfolk street, "	7,683	Engine 19.
Walnut street, "	9,000	Engine 20.
Boston street, "	9,355	Engine 21.
Dartmouth street	4,463	Engine 22.
Northampton street	3,445	Engine 23.
Corner Warren and Quincy streets	4,186	Engine 24.
Fort Hill square	4,175	Engine 25, Ladder 8 and Ladder 14
Mason street	5,623	Engine 26 and Engine 35.
Elm street, Charlestown District	2,600	Engine 27.
Centre street, West Roxbury District,	10,377	Engine 28 and Ladder 10,
Chestnut IIill ave., Brighton District,	14,358	Engine 29 and Ladder 11.
Mt. Vernon st., W. Roxbury District,	16,275	Engine 30.
Bunker Hill street	8,188	Engine 32.
Corner Boylston and Hereford sts	5,646	Engine 33 and Ladder 15.
Western avenue, Brighton	4,637	Engine 34.
Monument street	5,668	Engine 36 and Combination 5.

Location.	No. of feet in lot.	Occupied by.
Cor. Longwood and Brookline aves	5,400	Engine 37 and Chemical 3.
Congress street	4,000	Engine 38 and Engine 39.
Sumner street, East Boston	4,010	Engine 40.
Harvard avenue, near Cambridge st., Brighton District	6,112	Engine 41 and Chemical 6.
Washington street, between Atherton and Beethoven	3,848	Engine 42 and Chemical 5.
Andrew square	5,133	Engine 43 and Combination 3.
Poplar street, cor. Washington, West Roxbury	14,729	Engine 45 and Ladder 16.
Church street	3,412	Chemical Engine 2.
Shawmut avenue	889	Chemical Engine 4.
Chelsea street, East Boston	1,346	Chemical Engine 7.
B street	1,804	Chemical Engine 8.
Eustis street	1,754	Chemical Engine 10.
North Grove street	3,918	Chemical Engine 11.
Winthrop street	3,000	Hose 3.
Friend street	1,676	Ladder 1.
Dudley street	3,923	Ladder 4.
Fourth street	2,469	Ladder 5.
Main street, Charlestown	4,290	Ladder 9 and Chemical 9.
Tremont street	4,350	Ladder 12 and Chemical 12.
Washington, near Dover street	1,007	Ladder 13.
Harrison avenue	2,134	Ladder 17.
Dorchester avenue, Ashmont	4,875	Combination 1.
Fourth street	3,101	Combination 2.

## Houses. — Concluded.

Fuel-house, Dorchester street, 1,610 feet of land.

Fuel-house, Salem street, 417 feet of land.

Fuel-house, Main street, Charlestown, 2,430 feet of land. Headquarters Building and Repair-shop, corner of Albany and Bristol streets, 23,663 feet.

Water Tower No. 2 and Wreeking Wagon are in Headquarters Building.

6,874 feet of land on Washington street, Dorchester, purchased as a site for a ladder-house, which is now in process of construction.

12,251 feet of land on Centre street, West Roxbury, purchased as a site for Engine-House 30, which is now in process of construction.

				10	j.				
Location.		Built by.	Put in Service.	Diameter o Uylinder.	Diameter o Pump.	Stroke.			
Dorchester, near Fourth, S. B.	ourth, S. B.	Clapp & Jones Mfg. Co	April 1, 1890	87	ۍ. ۲۵	2	Second s	size.	
Fourth, cor. O, S. B.	3	Manchester Loco. Works,	Nov., 1890	$6\frac{1}{2}$	4	s	Third	1,	
Harrison ave., cor. Bristol	Bristol	Clapp & Jones Mfg. Co.	53	6	$5_{\frac{1}{2}}$	so	First	;	
Bulfinch st		American Fire Eng. Co	5 2 2	°	54	<del></del>	:		
Marion st., E. B		Amoskeag Mfg. Co		unko L-	48	œ	Second	3 :	
Leverett st		Silsby Mfg. Co		:	Rot	ary.		3.3	
East st		American Fire Eng. Co		6.	51	s	First		
Salem st		Manchester Loco. Works,	March 30, 1896	64	44	80	Second	11	
Paris st., E. B.		Hunneman & Co	Oct. 14, 1872	4-	43	s	11	,,	
Mount Vernon, cor. River st	r. River st	Manchester Loco. Works,	March 1, 1882	64	44	30	**	,,	
Saratoga, cor. Byron st., E.	ron st., E. B.	Amoskeag Mfg. Co		$6\frac{1}{2}$	48	00	**	"	
Dudley st.		Manchester Loco. Works,	h 27,	63	44	s	"	;	
Cabot st		Clapp & Jones Mfg. Co	÷,	8 <del>1</del> 83	õ	2	11		
Centre st		Amoskeag Mfg. Co	Sept. 17, 1870	1- 1-	48	œ	11	5 E	
Dorchester ave. and Broadway.	nd Broadway.	American Fire Eng. Co	Feb., 1893	6	5÷	<u>~</u>	First	;	
Temple st., Dorchester.	ester	Silsby Mfg. Co	April 8, 1890	:	ot	ary.	Second	:	8
Meeting-House Hill, Dor	ill, Dor	Amoskeag Mfg. Co	Ļ,	ula L	4 8/20	00	: :	: :	
Harvard st. Dorchester.	chester	Manchester Luco. Works,		6 <del>1</del>	4	œ	Third	33	
Norfolk st., Dorchester	hester	Clapp & Jones Mfg. Co	Dec. 5, 1891	-	45 098	7	11	,,	
Walnut st., Dorchester.	ester	Manchester Loco. Works,	Nov., 1890	64	,4 ,	8	11	**	
Boston st., Dorchester	ster	Clapp & Jones Mfg. Co		-	48 8	7	. 44	**	
Dartmonth st		Silsby Mfg. Co			5	ary.	Second	3 3	
Northampton st		Silsby Mfg. Co	Sept. 12,	:	Rot	ary.		::	
Warren, cor. Quincy st.	ncy st	Clapp & Jones Mfg. Co.	Feb. 24, 1	r i	-1, - các e	<b>1- 0</b>	Third	: :	
Fort Hill sq		Manchester Loco. Works,	NOV., 1590	940 		- œ	ns.it J		

Engine Companies.

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CITY DOCUMENT No. 13.

Extra first size.	Second "	11 11	17 11	Third "	2 sets of pumps 4.790 gallons.*	Second size.	16 55	44 44		Double extra first size.	Third size.	Second "		Double extra first size.	First size.	24 72	Third "	16 66	52 53	2 sets of pumps 6,520 gallons.*	Third size.	
6	ŝ	ary.	s	1-	10	8	ary.	x	_	s	s	œ		œ	30	ary.	r-	ary.	-1	10	<b>r-</b>	
19	44	Rot	48	-7 7	°,	44	Rot	44		<u>ب</u> ع	4	44		5 g	54	Rot ary.	48 88	Rot	년 <u>월</u>	P. P.10	$4\frac{8}{8}$	
84	t ista L		47	'r-	16	79		42		$0\frac{1}{2}$	64	79	,	Ť6	6		1-		-1	12# H. P. 18 L. P.10	r•	
1895 1	1, 1872	29, 1886	1.1874	1891	3, 1889	, 1×84	20, 1838	1869		1898	1890	1896		1897	1, 1890	1890	1893	1893	3, 1893	1895	1895	ninute.
June.		Apřil 2			July 3	March 28	Feb. 20	Dec.,		Jan.,	Dec.	March,		June,	A pril		Feb.,	Feb.,	March	Aug.,	Jan.,	utions per 1
La France Fire Eng. Co., Linne.	Amoskeag Mfg. Co	Silsby Mfg. Co.	Hunneman & Co	Clapp & Jones Mfg. Co.	Clapp & Jones Mfg. Co.	Manchester Loco. Works.	Silsby Mfg. Co	Amoskeag Mfg. Co	Manchester Loco. Works.	Self Propeller	Manchester Loco. Works,	Manchester Loco. Works,	Manchester Loco. Works,	Self Propeller	Clapp & Jones Mfg. Co	Silsby Mfg Co	Clapp & Jones Mfg. Co	Silsby Mfg. Co.	Clapp & Jones Mfg. Co	Ameriean Fire Eng. Co	American Fire Eng. Co	+At 225 revolutions per minute.
Macon et	harlestown	Centre st. W. Roxbury.	Chestnut Hill ave. Brighton.			Bunker Hill st., Charlestown					Monument st., Charlestown	:	:		Congress st., S.B.		:		Andrew sq., S.B.	India Wharf (Fire-boat) American Fire Eng. Co. Aug.,	Poplar st., W. Roxbury American Fire Eng. Co Jan.,	
96	57	88	66	6 6 6	5 6	32		31	35		36	37	38		39	40	41	42	43	44	45	

\*At 225 revolutions per minute.

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				ln	In Reserve.					
No.		Location.	Built by.		Put in Service.	Diameter of Суйлдег.	Diameter of Pump.	Stroke.		
AUDUHFOHT	Old         8           Old         17           Old         17           Old         4           Old         25           Old         37           Old         37	8 10 17 (Crane neck) 4 (Straight frame) 25 37 35	Freeman & Jucket Amoskeag Mfg. Co Manchester Loco. Works. Manchester Loco. Works. Amoskeag Mfg. Co Silsby Mfg. Co Clapp & Jones Mfg. Co Manchester Loco. Works.		April 26, 1869 Feb., 1870 Dec., 1870 Dec., 1870 May, 1886 Nov, 1886 July, 1884 Nov, 1890 July, 1890 July, 1890 July, 1890	4* dat Hada da	444448 7847	8 8 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 8 9 8	Second size, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	
I		Engine 31, "Old J	Engine 31, " Old Fire-boat " at Brook's Wharf, East Boston, to receive changes in engine and wheel	k's Wharf, Ea	ust Boston, to recei	ve chang	es in engi	ine and whe	eel.	
			Ü	hemical	Chemical Companies.					
	Number,	Location.	'n.		Builders.		Put in Service.	Service.	Weight as drawn to Fires.	Capacity.
C1 C0 - 4		Bulfinch street		Charles T. .' Babcock N Rebuilt by	Charles T. Holloway Babcock Manufacturing Co Rebuilt by Hinman in 1886	· · · · · ·	Nov. Oct. July 2 Sed as a	Nov. 9, 1895. Oct. 9, 1895. July 27, 1874. Used as a spare en- gine and put in	$\left\{\begin{array}{c} L_{D.8.} \\ 4.500 \\ 4.500 \\ 3.720 \\ 2.990 \end{array}\right.$	Gals. 100 100 100 100
				3		~	service, I	Jec.20,95.	~	

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## CITY DOCUMENT NO. 13.

001 001 001 001 001	80 Sals.		Weight as drawn to Fires.	$L^{b.s.}_{2,830}$
5,130 5,030 5,130 5,130 5,130 5,130 5,130 5,130 5,130 5,050	3,000 3. Capacity, 160 g		Put in Service.	Sept. 13, 1888.
1876. 1876. 1876. 1887. 1887. 1889. 1889. 1889.	1896. 1896. es, 5,500 lt	-	н 	
Altered by Hinman       Sept. 21, 1876.           May 1, 1876.           Sept. 27, 1886.	. Holloway Sept., ufacturing Co. Weight as drawn to Fir	Hose Company.	Built by.	Amoskeag Manufacturing Co
Egleston squareAltered b.Harvard av., n. Camb' ge st., BrightonChelsea street, E. BChelsea street, S. BMain street, CharlestownMain street, CharlestownSustis street,North Grove streetNorth Grove street	Tremont street       Sept., 1896.       3,000         In Reserve - Old Chemical 2. Builders, Babcock Manufacturing Co. Weight as drawn to Fires, 5,500 lbs. Capacity, 160 gals.       Sapacity, 160 gals.	Hose G	Location.	3 Winthrop street, Charlestown Amoskeag Manufacturing Co
5         Eglesto           6         Harvard           7         Chelsea           8         Barteel           9         Main streel           10         Eastist           11         North C	12 Tremor		Number.	3

In Reserve-7 hose wagons; 4 old hose carriages.

## FIRE DEPARTMENT.

13

Number.	Location.	Builders.	Put in Service.	Weight as drawn to Fires.	Number of Ladders.
H 01 00 44		Warren square	December 20, 1890. April 20, 1891. June 2, 1884. April 25, 1884.	Lbs. 8 800 9,805 9,535 8,365 8,365	12 12 22 Hayes
10.07	Fourth street, near Dorchester Temple street, Dorchester Meeting-House Hill	Hunneman & Co Freeman and Jneket			17 17 19 14
9 11 13 13 13		Abbott & Downing Leverich & Co., N. Y		9,535 5,400 6,800 6,850 6,850 6,850	14 19 12 14 15 Hayes Kxtension
14 15 16	Fort IIill square	Fire Extinguisher Manufacturing Co., Cliteago	January 30, 1893. April 28, 1888. September, 1888.	10,000 5,400	Extension. Extension. 15
17	Harrison avenue		April 29, 1891.	11,975	EXTERISION. 87 feet.

Ladder Companies.

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Description. '	Builders.	Weight as drawn to Fires.
Relief C, formerly old No 2.           Relief A, old 3           "B, old 8	Hunneman & Co Repair-shop	<i>Lbs.</i> 8,375
One new Old Ladder 11		9,535 8,065

## Ladder Trucks. — In Reserve.

-							
	Built by.			Put in Service.	rvice.	Weight as drawn to Fires.	Capacity.
	Dorchester avenue, Ashmont. Charles T. Holloway	Chemical and Hose	Hose	March, 1892.	1892.	$_{5,200}^{Lhs.}$	Gals. 70
	16	31 <u>3</u> 3	;	May,	1893.	5,250	10
59	Fire Extinguisher Manu- facturing Co	33 33	Ladder.	January, 1898.	1898.	6,500	70
. <u>A</u>	Charles T. Holloway	<b>3</b> ) <b>3</b> )	;	January, 1898.	1898.	6,940	20
		, ,	:	January, 1898.	1898.	6,940	. 10
	Water Towers.	wers.					
Location.	on.	Bai	Builders.		Put in	Put in Service.	Weight as drawn to Fires.
	1       Bulfinch street.       Kansas City Fire Dept. Supply Co         2       Kansas City Fire Dept. Supply Co	Kansas City Fire Dept. Supply Co Kansas City Fire Dept. Supply Co	Dept. Sul Dept. Sul	pply Co	May 1 Dec. 1	May 17, 1890. Dec. 18, 1893.	<i>Lbs.</i> 10,000 10,000

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## CITY DOCUMENT NO. 13.

## NEW APPARATUS PURCHASED DURING THE YEAR.

2 double-extra first-size self-propelling steam fire-engines.

- 3 large sized hose-wagons.
- 2 traverse-runner pungs.
- 3 combination chemical and ladder trucks.
- 1 fire-alarm wagon.

1 platform gear-wagon.

## HOSE.

Amount of hose purchased and condemned during thy year:

Purchas	ed.		Conden	nned.
Leading cotton,	10,400	feet.	12,000	$\qquad \qquad \text{feet.}$
" rubber,	-4,800	66	1,200	66
Chemical,		66	400	"
Suction,	68	"	141	• •
Totals,	15,268	"	13,741	"

Amount of hose in use and in storehouse, February 1, 1898:

In U	Jse.		In Store	nouse.
Leading cotton	n, 77,400 f	leet.	12,250	feet.
" rubbe	er, 6,450	44	5,200	"
Chemical,	6,750	44	350	"
. Suction,	948	"	258	"
Totals,	$91,\!548$	• •	18,058	46

## HORSES.

Purchased during the year	•		76
Sold or exchanged .			33
Died			1
Killed, for cause			5
Number in the department			324

## CITY DOCUMENT NO. 13.

ars, and	, Coal stric c b, etc	Warres, Vessels Wood piles, Elec Bonfires, Rubbis	4	17	36	17	47	74	90	19	53	15	7	11	278
		Out of City.	1	4	4	5.	00	67	T	I	ŝ	63	I.	-	21
si.	1 1	Totally destroyed	-	1	ç	1	3	õ	ł	I	5	1	53	67	20
DING	.9261	usb əldsrəbianoO	4	63	6	ŝ	9	6	ŝ	20	4	6	10	80	72
BUILDINGS.		Slight damage.	52	67	59	43	62	53	40	61	68	40	88	.68	717
д		No damage.	29	36	47	40	49	51	48	53	52	38	22	30	530
	·sw.	Needless still alar	16	۲.	14	13	11	П	6	10	16	18	25	$^{26}$	176
	.s.	Extended to othe			4	က	ŝ	67	1	ŝ	4	4	61	г	59
	.szai	blind of benfinoO	86	102	108	62	110	113	91	111	116	61	148	127	1,270
		.11138	51	59	90	61	104	134	59	<u>7</u> 2	83	69	87	$^{84}$	947
ALARMS.	.hdı	Needless.	4	5	9	٢	œ	ů.	9	5	10	6	9	œ	79
ALA	Telegraph.	False.	63	61	67	3	21	°	1	-	-	~	4	1	24
·	Tel	Fire.	55	72	76	53	61	89	49	89	61	58	95	83	827
A N CE	ANCE.	.atnetnoO	\$147,600	286,225	639,550	245,850	256, 219	96,655	293,560	136,500	241,108	320,990	328,000	583,050	\$3,555,307
Torn A mon	WOSNT	.syaiblinU	\$368,430	927,377	1,290,213	479,500	497,245	565,449	406,420	685,990	1,119,840	783,750	1,019,400	937,600	\$9,081,214
0	0	.stastaoD	\$33,159	32,416	160,820	39,385	18,351	13,849	22,428	11,732	18,093	59,186	39,207	26,875	\$475,501
1 Acc		.szaibliuU	\$16,472	17,150	55,133	17,723	16,342	20,280	11,812	18,055	21,652	18,171	49,314	37,920	\$300,024
		.IntoT	112	138	174	124	186	210	115	149	173	130	192	174	1,877
ED.		.пwonяnU	1	1	I.	5	61	က	1	1	1	4	4	I	19
CEIV	Whom.	Automatic.	-1	ŝ	5	4	3	5	8	9	90	9	.00	Π	88
ALARMS RECEIVED	From WI	.sustitiO	88	109	131	26	140	130	90	118	130	87	157	128	1,405
LAR	Ľ.	Police,	13	13	24	r-	23	33	15	15	25	$^{24}$	16	21	229
A		Members.	3	11	10	Ξ	œ	80	4	-	3	5	9	11	68
		Fire patrol.	-	1	4	00	10	31	က	67	9	67	Ч	ŝ	67
		Months.	February	March	April	May	June	July	August	September	October	November	December	January	Totals

Causes of Fires and Alarms, from February 1, 18	February 98.	1, 1897, to
Alarms, accidental, automatic .		. 41
" false		. 24
" out-of-town		. 21
Ashes, hot, in wooden receptacle		. 26
Back draft		. 1
Boiling over of tar or fat .		. 30
Bonfires, grass, rubbish, etc.		. 278
Careless use of lamps, candles, etc.		. 51
" " pipe and cigars		. 36
Chimneys, soot burning		. 70
" defective		. 27
Clothes too near stove		. 16
Defective flue		
" stove-pipe		9
" grate		. 3
" furnace		. 2
" sprinkler		. 1
Electric motor igniting car .		. 25
" wires		78
Explosion and ignition of chemicals		. 16
Fireworks		. 35
Friction		. 4
Fumigating		. 3
Gas, explosion of		. 5
" ignition of leaky pipes		. 8
" iet setting fire		. 44
" stove, careless use of and explos	sion .	. 14
Incendiary		. 38
" supposed		. 18
Kerosene lamp, explosion or breaking	· · ·	. 91
" " upsetting	·	. 37
" stove, careless use of, and	explosion .	. 59
Light mistaken for fire		. 20
Lightning		. 1
Matches, and rats		. 26
" careless use of		. 94
" children playing with .		. 51
Naphtha, careless use of and ignition		. 12
Overheated stove or furnace		. 64
" steam-pipe or boiler .		. 15
" chimneys		. 6
Use of kerosene to light fire		. 5
Drying plastering		. 12

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Rekindling of ruins			s fire					4
Slacking of lime	•	•	•	•	•	•	•	7
Smoky chimney	•	•	•	•	•	•	•	49
" furnace or st			•	•	·	•	•	41
Sparks from another			•	•	•	•	·	2
" " furnace			•	•	•	•		11
" " chimne	у						•	26
" " locomot								33
" " forge								8
Spontaneous combus	stion							40
Steam escaping Unknown								8
Unknown .	•							219
Water-pipes, thawin	g out	5						17
Plumbers' stove ups								7
1		0						
Total .								1,877
Total number of act	ual fi	res						1,577
Confined to one buil	lding							1,270
Extended to others								29
Wharves, vessels, gi	rass,	etc.						278
Out of the city							•	21
	1	Brur	DINGS					
		DUIL	1100	•				
Slightly damaged	•	•		•	•	•	•	717
Considerably damag					•	•	·	72
Totally destroyed	•		-					20
Not damaged .	•	•	•		•	•	•	530
	Ехт	ringu	ISHEI	) BY				
13								955
Extinguishers .	·	•	·	·	·	·	•	355
Buckets of water	•	• •	·	•	•	•	•	260
Chemical engines	•	•	•	•	•	•	·	237
Hydrant stream	•	•	•	•	•	•	•	165
Steamers	•	•	•	•	•		•	278
Police	•	•	•	•		•	•	7
Citizens	•	•	•	•	•	•	•	275
Total .								1,577

## FIRE-ALARM BRANCH.

The efficiency of the overhead service has been improved during the past year by the construction of a new circuit in West Roxbury, with which a portion of the boxes in that district have been connected. There were used for this work, including some renewals and extensions in other parts of the city, 129,360 feet of wire. Old wire taken down in 1897, underground district, 67,380 feet; outside district, 93,050 feet.

The underground district for 1897, as prescribed by the Commissioner of Wires, lies within the lines of the following streets:

Beginning at Warren bridge, along Charlestown street to Washington, Hanover, Court, Tremont, Park, Beacon, Joy and Cambridge streets to Charles river.

All work within this district was practically completed in the time designated, and in addition to this nearly as much cable has been laid outside, chiefly on Tremont street, south of Dover street, and in some streets on the Back Bay.

The cables used have been from ten to thirty-seven conductors, and are laid in ducts belonging to the New England Telephone Company, with the exception of 4,911 feet, which are owned by this department.

Total length of cables laid in	dist	rict	13,016.4 feet.
Length of conductors .			365,621.5 "
Cables laid outside district			12,876.1 "
Length of conductors .			246,736.4 "
Total length cables now under	ergro	ound	107,125.5 "
Total length conductors .	•		3,527,988.9 "

The underground service has been extended to thirty-eight boxes, twenty of which are placed on lamp-posts, two department houses, two police stations, and an emergency station of the Boston Elevated Railway Company, on Portland street. Eight testing stations have been established, four manholes built and forty-one service connections made, twenty-two of the latter being done outside the district.

All the fire-alarm boxes north of Dover and Berkeley streets are now connected with the underground service, with the exception of boxes 95 and 766. There have been 966 bell alarms given during the year which required 6,506,684 blows to be struck by the various apparatus of the system. Nineteen new boxes have been established, making a total of 601 boxes now in service.

The following boxes are private property: 38 duplicate, 115, 119, 149, 152, 161, 165, 227, 228, 244, 271, 279, 281, 283, 299, 358, 422, 442, 443, 445, 446, 447, 448, 449, 511, 533, 617, 619, 623, 624, 626, 629, 698, 711, 714, 715, 716, 718, 722, 724, 725, 726, 727, 728, 729, 733, 735, 737, 738, 739, 741, 742, 744, 745, 746, 766, 769, 778, 779, 789, 791, 792, 793, 794, 797, 799, 816, 836, 838, 842, 864, 865, 919, 927, 967, 971, 974.

## ALARM BELLS.

The Fire-alarm Telegraph is connected with the following bells:

- Adams School-house, Sumner street, East Boston, steel, 2,995 lbs., owned by city.
- Bunker Hill School-house, Charlestown, 2,009 lbs., owned by city.
- Chapman School-house, Eutaw street, East Boston, steel, 3,109½ lbs., owned by city.
- City Hall, Charlestown, composition, 3,600 lbs., owned by city.
- Engine-house No. 16, Temple street, Dorchester, composition, 4,149 lbs., owned by city.
- Engine-house No. 17, Meeting-House Hill, Dorchester, composition, 4,000 lbs., owned by city.
- Engine-house No. 18, Harvard street, Dorchester, composition, 3,184 lbs., owned by city.
- Engine-house No. 19, Mattapan, Dorchester, composition, 2,927 lbs., owned by city.
- Engine-house No. 20, Walnut street, Dorchester, composition, 3,061 lbs., owned by city.
- Engine-house No. 21, Boston street, Dorchester, composition, 3,026 lbs., owned by city.
- Engine-house No. 28, West Roxbury, composition. 4,000 lbs., owned by city.
- Engine-house No. 29, Brighton, steel, 1,535 lbs., owned by city.
- Engine-house No. 30, West Roxbury, 300 lbs., owned by city.
- Engine-house No. 34, Brighton, composition, 1,501 lbs., owned by city.
- Engine-house No. 40, Orleans street, East Boston, composition, 817 lbs., owned by city.

- Engine-house No. 41, Allston, composition, 900 lbs., owned by city.
- Engine-house No. 45, Roslindale, composition, 1,059 lbs., owned by city.
- Faneuil Hall, steel, 5,816 lbs., owned by city.
- Lewis School-house, Dale street, Boston Highlands, composition, 3,104 lbs., owned by city.
- Maverick-street Church, East Boston, composition, 2,000 lbs.
- Princeton-street School-house, East Boston, composition, 2,470 lbs., owned by city.
- Saratoga-street M. E. Church, East Boston, steel, 1,968 lbs., owned by city.
- Warren School-house, Charlestown, composition, 3,000 lbs., owned by city.
- Winthrop School-house, Charlestown, composition, 3,000 lbs., owned by city.

Bells owned by the city, which have been disconnected from service, are located as follows:

- Fire-alarm repair shop, bell formerly used on house of Chemical Engine 5; one composition, 400 lbs., formerly used on house of Chemical Engine No. 4; one composition, 400 lbs., formerly used on house of Chemical Engine No. 6; and two small bells from other locations.
- Engine-house No. 1, Dorchester street, South Boston, composition, 800 lbs.
- Engine-house No. 2, composition, 800 lbs.
- George-street School-house, Boston Highlands, composition, 4,160 lbs.
- Hook-and-Ladder-House, No. 4, Dudley street, Boston Highlands, composition, 3,509 lbs.
- Lawrence School-house, B street, South Boston, steel, 3,400 lbs.
- Lincoln School-house, Broadway, South Boston, composition, 3,110 lbs.
- Quincy School-house, Tyler street, composition, 2,941 lbs.
- Smith-street School-house, Highlands, composition, 4,083 lbs.
- Tieknor School-house, Dorchester street, Washington Village, steel, 2,995 lbs.
- Trinity Church, Trenton street, East Boston, composition, 1,760 lbs. Formerly used on Castle-street Church.
- Van Nostrand's Brewery, Charlestown, composition, 818 lbs. Formerly used on Boylston School-house.
- Wells School-house, Blossom street, composition, 1,675 lbs.

## PUBLIC CLOCKS.

The following public clocks, thirty-nine in number, are taken care of by the Fire Department:

## City Proper.

Arlington-street Church.

Charles-street Church.

Christ Church, Salem street, owned by city.

Commercial Wharf.

Odd Fellows Hall, Tremont street, owned by city.

Old South Church, owned by city.

Old State-House, owned by city.

Park-street Church.

Suffolk County Jail, owned by city.

St. Stephen's Church, corner Hanover and Clark streets, owned by city.

Shawmut-avenue Church.

Tremont M. E. Church, owned by city.

Young Men's Christian Union, owned by city.

## South Boston.

Bigelow School-house, owned by city.

Gaston School-house, owned by city.

Lincoln School-house, owned by city.

Phillips Church, owned by city.

St. Augustine Church, Dorchester street, owned by city. Ticknor School-house, Washington Village, owned by city.

## East Boston.

Central Square Church.

London-street Church, owned by city. Lyceum Hall, owned by city. Trinity Church, owned by city. Orient Heights Church, owned by city.

#### Roxbury.

Winthrop-street Church, owned by city. West End stables, Tremont street, owned by city.

#### Dorchester.

Baker Memorial (Upham's Corner), owned by city. Neponset Church.

Tileston School (Mattapan), owned by city. Unitarian Church (Milton Lower Mills).

## Charlestown.

Bunker Hill Church. City Hall, owned by city. Harvard Hill Church. High School-house, owned by city. Unitarian Church.

## West Roxbury.

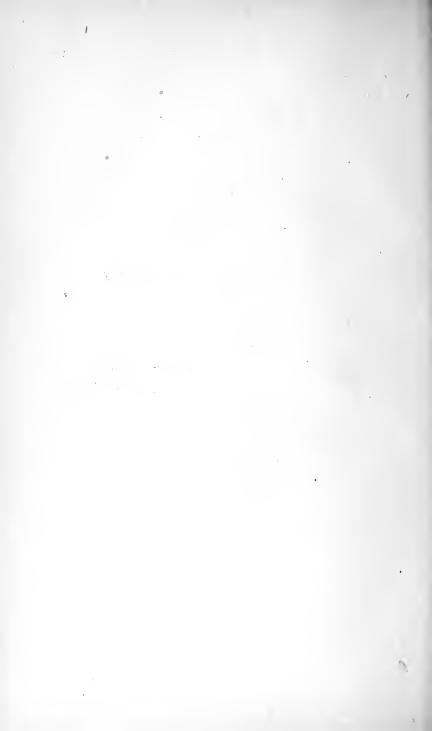
Dr. Strong's Church. Unitarian Church. Congregational Church (Roslindale), owned by city.

## Brighton.

Bennett School-house, owned by city.

Your obedient servant,

HENRY S. RUSSELL, Commissioner.



## 2 MNNUAL REPORT

OF THE

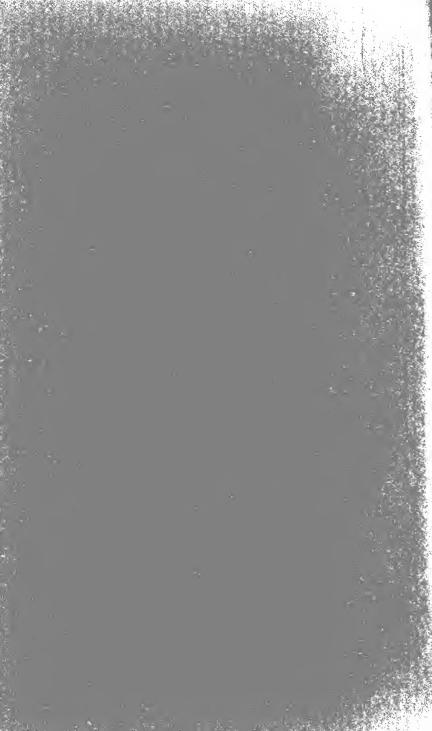
# FIRE DEPARTMENT

FOR THE

# YEAR 1898-99



BOSTON MUNICIPAL PRINTING OFFICE 1899



26.

## ANNUAL REPORT

OF THE

# FIRE DEPARTMENT

FOR THE

# YEAR 1898-99



⊖ BOSTON MUNICIPAL PRINTING OFFICE 1899

- Castra Trick Department 

1.23

HEADQUARTERS FIRE DEPARTMENT, BRISTOL STREET, BOSTON, February 8, 1899.

## HIS HONOR JOSIAH QUINCY, Mayor:

SIR, —While, by the good fortune which has favored this department during recent years, we are again able to show a fair result of last year's work, I regret to point to the dangers referred to in my last report as in no degree lessened, and can only hope that by continued vigilance and promptness, we may, at least, postpone that conflagration at all times threatening through the presence of fire-traps and tinderboxes in many parts of the territory supposed to be protected by this department.

The salt-water service from Atlantic avenue through Congress street, Post Office square and Central street, to Central Wharf has been perfected, with hydrants, electrical connections, etc., complete, to be used by the two fire-boats when needed to prevent conflagrations, if possible, in the district covered, but not for ordinary fire duty, and if it is deemed advisable to extend such service which, on trial, has proved eminently successful in throwing some 3,000 gallons per minute to the height of a ten (10) story building, I would recommend that a 16-inch pipe be laid from Central Wharf through Atlantic avenue, India and Franklin to Congress street, from Congress street through Atlantic avenue, Summer, Bedford, Chauncy, Summer, Hawley and Milk streets to Congress street to cover a thickly-congested territory to which, at any time, we may be called to fight a conflagration.

The new house for Engine 30 on Centre street, West Roxbury, John A. Fox, architect, was occupied on June 1, to the satisfaction of all concerned, and on November 8, the company for Combination 6 was organized and established in new quarters at Grove Hall, Dorchester, Perkins & Betton, architects, much to the relief of a long-expectant neighborhood. The second fire-boat, Engine 31, after many trials, is now in service, and owing to her small draft of some four feet is able to protect the shallow portions of our water front beyond the reach of the deeper boat.

I would strongly urge that our wires of the Fire-alarm branch be placed under ground from Dover street bridge to Tremont street, up Tremont to Roxbury, from Roxbury to Washington, down Washington to Eustis, from Eustis to Harrison avenue, down Harrison avenue to Northampton, through Northampton to Albany, down Albany to the point of starting. And also in Charlestown from Warren bridge through City square to Park street, through Park to Henley, through Henley to Chelsea, through Chelsea street to Chelsea bridge, inasmuch as the storms of the past year have clearly demonstrated the advantage of such action, both for economy and for the efficiency of this very important branch of the department.

But little new construction work has been done by this branch in the past year, owing to the fact that nearly the whole of the underground work called for in the district for 1898, as prescribed by the Commissioner of Wires, was completed during the season of 1897, bounded as follows : Beginning at Charles river, by Cambridge, Joy, Beacon and Charles streets, Park square, Columbus avenue, Ferdinand street, Castle square, Tremont and Berkeley streets back to the river.

This completes the underground district as originally prescribed by act of the Legislature, passed in 1894.

The electrical service established in connection with the salt-water pipe-line system consists of a circuit contained in a five conductor cable, drawn through ducts that were laid in the same trench as the water-pipes and at the same time; the circuit thus constructed is connected with a break key enclosed at each post hydrant, also with a device by which telegraphic instruments can be placed in circuit at any time; so, by making use of the first the prescribed signal code can be transmitted to the fire-boat station by any one, and, by the other, messages of any character may be sent by men trained for the purpose. The circuit is also extended to the fire-alarm headquarters by which communication is established between headquarters, the boat-station and any hydrant that may be connected at the time.

Two thousand, five hundred and sixty feet of cable, containing 27,800 feet of conductors, were used in this construction.

Much extra work was caused by the two heavy storms of the year; that of January 31 was especially disastrous to the overhead service, as the wires, poles and fixtures erected for their support were broken, torn down, and otherwise demoralized to a greater extent than ever occurred on any previous occasion since the fire-alarm system was established.

The damage resulting from the November storm was much less in extent, but a great amount of emergency work was made necessary by it before the circuits were restored to their normal condition.

The whole fire-alarm system has continued to show its excellence through alarm-boxes and transmitters, the former never failing to properly send in the alarms, while the latter, in sending them out, has struck 7,300,000 blows without serious mistakes in directing the engines and other apparatus.

Referring to my report of last year, I would again recommend that an additional ladder company be placed in the territory adjacent to Engines 38–39, on Congress street, to provide necessary ladder service for the many large buildings in that neighborhood.

Several of the outlying districts have received increased protection through additional horses and chemicals in the companies at present protecting them, and I cannot see the necessity of providing new companies for such districts, although I well know that every new hamlet prefers to depend on the protection of the Fire Department, rather than on that of insurance companies, and after pitching their wooden camps expect the city to provide adjacent engines and other fire apparatus.

Of the officers and men throughout the department, I can speak only in terms of praise for the vigilance and zeal shown on all occasions, as well as for their interest in maintaining a high standard of discipline and conduct as firemen and citizens.

#### Organization.

Commissioner, HENRY S. RUSSELL; term expires May, 1901.

Secretary, BENJAMIN F. UNDERHILL, JR.

Chief of Department, LEWIS P. WEBBER.

Assistant Chief, WILLIAM T. CHESWELL.

Second Assistant Chief and Chief of District No. 6, JOHN A. MULLEN.

Superintendent of Fire-alarms, BROWN S. FLANDERS.

Assistant Superintendent of Fire-alarms, CYRUS A. GEORGE.

Consulting Electrician, HENRY F. COTTLE.

Superintendent of Repair-shop, HENRY M. HAWKINS.

Assistant Superintendent of Repair-shop, EUGENE M. BYINGTON.

Hydraulic Engineer, GREELY S. CURTIS.

Veterinary Surgeon, GEORGE W. STIMPSON.

Medical Examiner, RUFUS W. SPRAGUE.

Purchasing Officer, CHARLES A. STRAW.

Storekeeper, George R. Knight.

Foreman of Hose and Harness Shop, PATRICK B. HANNON.

#### CLERKS.

Wm. E. Delano, M. J. Lafferty, Geo. F. Murphy, James P. Maloney, D. J. Quinn.

#### District Chiefs.

John F. Ryan,	Headquarters,	Ladder-house 2.
C. H. W. Pope,		" 9.
Joseph M. Garrity,	4 <b>4 4 4</b>	" 8.
Peter F. McDonoug	sh,	Engine-house 4.
Nathan L. Hussey,	**	·· 26.
Patrick E. Keyes,	**	" 3.
John Grady,		Ladder-house 12.
Edward H. Sawyer,	**	<b>"</b> 4.
Williston A. Gaylor	·d,	Engine-house 18.
George F. Griffin,	· ·	" 41.
Lewis P. Abbott,		" <b>2</b> 8.

#### FORCE AND PAY-ROLL.

Commissioner .		$$5,000 \text{ per annum. (less } 7\frac{1}{2} \text{ per cent.)}$
Secretary		2,400
Chief of Department		3,500 • "
First Assistant Chief		2,400 "
Second " "		2,200 "

4

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	sulting Electrician.	·.	·	800		(1	
	erintendent of Repair			2,000		$(less 7\frac{1}{2} pe$	er cent.)
Ass	istant Superintenden	t of J	Ke-	1 600	"		
17	pair-shop	•	·	1,600			·.
	lraulic Engineer .	•	•	$^{1,400}_{2,000}$			
	erinary Surgeon . lical Examiner .	•	•	2,000			
	chasing Officer .	•	•	1,600		"	66
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	District Chiefs		•	2,000	"		
	Captains	•	•	1,600			
	T 1	•	•	1,400			
		•	•	1,300			
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2	ment Drivers for Assistant	Chie	fs.		per day.		
	Drivers for Assistant			1.75			
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$\frac{11}{2}$	Drivers for Assistant Drivers for District ( Watchmen	Chiefs	•	$1.75 \\ 1.75 \\ 1,000$	per annum.		
$\frac{11}{2}$	Drivers for Assistant Drivers for District (			$1.75 \\ 1.75 \\ 1,000$			
$\frac{11}{2}$	Drivers for Assistant Drivers for District ( Watchmen	Chiefs	•	$1.75 \\ 1.75 \\ 1,000$	per annum. per day.		
11 $2$ $2$	Drivers for Assistant Drivers for District O Watchmen Hostlers, average .	Chiefs	•	1.75 1.75 1,000 1.98 ARM FC	per annum. per day.		
11 2 2	Drivers for Assistant Drivers for District ( Watchmen Hostlers, average . Operators	Chiefs	•	1.75 1.75 1,000 1.98 ARM FC \$1,600	per annum. per day. DRCE. per annum.		
11 2 2 6 2	Drivers for Assistant Drivers for District (0 Watchmen . Hostlers, average . Operators . Assistant Operators	Chiefs : FIRE :	-ALA	1.75 1.75 1,000 1.98 ARM FC \$1,600 1.200	per annum. per day. per annum.		
$\begin{array}{c}11\\2\\2\\6\\2\\1\end{array}$	Drivers for Assistant Drivers for District O Watchmen Hostlers, average . Operators Assistant Operators Foreman of Construct	Chiefs : FIRE :	-ALA	1.75 1.75 1,000 1.98 ARM FC \$1,600 1,200 1,800	per annum. por day. per annum.		
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$     \begin{array}{c}       11 \\       2 \\       2 \\       6 \\       2 \\       1 \\       1     \end{array} $	Drivers for Assistant Drivers for District O Watchmen Hostlers, average . Operators Assistant Operators Foreman of Construct	Chiefs : FIRE :	-ALA	1.75 1.75 1,000 1.98 ARM FC \$1,600 1,200 1,800	per annum. por day. per annum. per annum.		
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833 Total force.

## FIRE DISTRICTS.

The city is divided into twelve fire districts, as follows:

## District 1.

All that part of Boston known as East Boston.

## District 2.

All that part of Boston formerly known as Charlestown.

## District 3.

The territory bounded on the north and east by the water front, on the south by Summer street, and on the west by Washington and Charlestown streets.

## District 4.

The territory bounded on the north by the Charles river, on the east by Charlestown and Washington streets, on the south by winter, Park and Beacon streets, and on the west by the Charles river and Berkeley street.

## District 5.

The territory bounded on the north by Beacon, Park, Winter and Summer streets, on the east by Fort Point channel, on the south and west by Broadway, Way, Motte, Castle and Ferdinand streets, Columbus avenue and Berkeley street.

## District 6.

All that part of Boston known as South Boston, and running south as far as Dorset and Locust streets.

## District 7.

The territory bounded on the north by Berkeley street, Columbus avenue, Ferdinand, Castle, Motte and Way streets and Broadway, on the east by Fort Point channel and South bay, on the south by Massachusetts avenue, and on the west by the Charles river.

### District 8.

The territory bounded on the north by the Charles river and Massachusetts avenue, on the east by Washington street, on the south by Atherton and Mozart streets, Chestnut avenue, Sheridan and Centre streets, Hyde square, Perkins, Catalpa and Castleton streets, across Jamaicaway to the Brookline line, and on the west by the Brookline line, Beacon and Deerfield streets.

### District 9.

The territory bounded on the north by Massachusetts avenue, South bay, Dorset and Locust streets, on the east by Dorchester bay, on the south by Freeport, Hancock, Bowdoin, and Quincy streets, Columbia road, and on the west by Seaver street, Columbus avenue and Washington street.

### District 10.

That part of Dorchester bounded on the north by Seaver street, Columbia road, Quincy, Bowdoin, Hancock, and Freeport streets, on the east by Dorchester bay, on the south by the Neponset river and the Hyde Park line, and on the west by Harvard street and Blue Hill avenue.

### District 11.

All that part of Boston known as Brighton, and extending east as far as Deerfield and Beacon streets.

### District 12.

All that part of Boston known as West Roxbury, bounded on the north by a line from the Brookline line across Jamaicaway to Castleton street, through Castleton, Catalpa and Perkins streets, Hyde square, Centre and Sheridan streets, Chestnut avenue, Mozart and Atherton streets, Columbus avenue and Seaver street, on the east by Blue Hill avenue and Harvard street, on the south by the Hyde Park and Dedham lines, and on the west by the Newton and Brookline lines.

In all cases where streets are designated as boundaries, the centre of the street will be the dividing line.

### CITY DOCUMENT NO. 13.

## Assignment of Districts.

Each district is placed under the charge of a District Chief, as follows:

		Companies in Districts. •					
District.	Chief in Command.	Engines.	Chemical Engines.	Hook and Ladders.	Combination Companies.	Water Towers.	
1	John F. Ryan	5, 9, 11, 40	7	*2	4		
2	C. H. W. Pope	27, 32, 36	9	*9	5, 7		
3	Joseph M. Garrity	8, 25, 31, 44		* 8, 14			
4	Peter F. McDonough,	* 4, 6, 10	1, 11	1		1	
5	Nathan L. Hussey	7, * 26, 35	2	17			
6	John A. Mullen	* 1, 2, 15, 38, 39, 43	8	5	2, 3		
7	Patrick E. Keyes	* 3, 22, 33	4	3, 13, 15		2	
8	John Grady	13, 14, 37	3, 12	* 12			
9	Edward H. Sawyer	12, 21, 23, 24	10	*1	6		
10	Williston A. Gaylord,	16, 17, * 18, 19, 20		6, 7	1		
11	George F. Griffin	29, 34, * 41	6	11			
12	Lewis P. Abbott	* 28, 30, 42, 45	5	10, 16			

\* Headquarters of District Chief.

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The following property is in charge of the Fire Commissioner:

Н	ouses.
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Location.	No. of feet in lot.	Occupied by.
Dorchester street	5,698	Engine 1.
Corner of O and Fourth streets	4,000	Engine 2.
Bristol street and Harrison avenue	4,000	Engine 3 and Ladder 3.
Bulfinch street	6,098	Engine 4, Chemical 1 and Tower 1.
Marion street, East Boston	1,647	Engine 5.
Leverett street	2,269	Engine 6.
East street	1,893	Engine 7.
Salem street	2,568	Engine 8.
Paris street, East Boston	4,720	Engine 9 and Ladder 2.

## Houses. — Continued.

Location.	No. of feet in lot.	Occupied by.
River street	1,886	Engine 10.
Saratoga and Byron streets, East Boston	10,000	Engine 11 and Combination 4.
Dudley street:	7,320	Engine 12.
Cabot street	4,832	Engine 13.
Centre street	5,713	Engine 14.
Dorchester avenue	2,843	Engine 15.
River street, Dorchester District	12,736	Engine 16 and Ladder 6.
Meeting House Hill, Dorchester Dist.	9,450	Engine 17 and Ladder-house 7 on this lot.
Harvard street, Dorchester District	10,225	Engine 18.
Norfolk street, "	7,683	Engine 19.
Walnut street, "	9,000	Engine 20.
Columbia road, "	9,355	Engine 21.
Dartmouth street	4,463	Engine 22.
Northampton street	3,445	Engine 23.
Corner Warren and Quincy streets	4,186	Engine 24.
Fort Hill square	4,175	Engine 25, Ladder 8 and Ladder 14
Mason street	5,623	Engine 26 and Engine 35.
Elm street, Charlestown District	2,600	Engine 27.
Centre street, West Roxbury District,	10,377	Engine 28 and Ladder 10.
Chestnut Hill ave., Brighton District,	14,358	Engine 29 and Ladder 11.
Centre street, West Roxbury District,	12,251	Engine 30.
Bunker Hill st., Charlestown District,	8,188	Engine 32.
Corner Boylston and Hereford sts	5,646	Engine 33 and Ladder 15.
Western avenue, Brighton	4,637	Engine 34.
Monument st., Charlestown District	5,668	Engine 36 and Combination 5.
Cor. Longwood and Brookline aves	5,400	Engine 37 and Chemical 3.
Congress street	4,000	Engine 38 and Engine 39.
Summer street, East Boston	4,010	Engine 40.
Harvard avenue, near Cambridge st., Brighton District	6,112	Engine 41 and Chemical 6.
Washington street, between Atherton and Beethoven	3,848	Engine 42 and Chemical 5.
Andrew square	5,133	Engine 43 and Combination 3.
Poplar, cor. Washington street, West Roxbury	14,729	Engine 45 and Ladder 16.
Church street	3,412	Chemical Engine 2.
Shawmut avenue	889	Chemical Engine 4.

Location.	No. of feet in lot.	Occupied by.
Chelsea street, East Boston	1,346	Chemical Engine 7.
B street	1,804	Chemical Engine 8.
Eustis street	1,754	Chemical Engine 10.
North Grove street	3,918	Chemical Engine 11.
Friend street	1,676	Ladder 1.
Dudley street	3,923	Ladder 4.
Fourth street	2,469	Ladder 5.
Main street, Charlestown	4,290	Ladder 9 and Chemical 9.
Tremont street	4,350	Ladder 12 and Chemical 12.
Washington, near Dover street	1,007	Ladder 13.
Harrison avenue	2,134	Ladder 17.
Dorehester avenue, Ashmont	4,875	Combination 1.
Fourth street	3,101	Combination 2.
Washington street, Dorehester	6,874	Combination 6.
Winthrop street	3,000	Combination 7.

Houses. — Concluded.

Fuel-house, Dorchester street, 1,610 feet of land Fuel-house, Salem street, 417 feet of land.

Fuel-house, Main street, Charlestown, 2,430 feet of land. Headquarters building and repair-shop, corner of Albany and Bristol streets, 23,663 feet.

Water Tower No. 2 and Wrecking Wagon are in Headquarters building.

Old house of Engine 30, on Mt. Vernon street, West Roxbury, 16,275 feet of land.

	Second size. Third First Second First Second first Second Third Cecond Third Third
Stroke.	
Diameter of Pump.	で 本 は な な な な な な な な な な な な な
Diameter of Cylinder.	
Put in Service.	April 1, 1890 Nov., 23, 1890 Nov., 1890 June, 22, 1899 June, 23, 1890 June, 1885 April 1, 1882 April 9, 1873 April 9, 1889 April 1, 1889 Nov., 5, 1890 Nov., 5, 1890 Nov., 5, 1890 Sept. 17, 1879 Sept. 17, 1879 Sept. 12, 1890 Nov., 5, 1890 Nov., 5, 1890 Nov., 5, 1890 Nov., 5, 1890 Sept. 12, 1890 Sept. 12, 1893 Sept. 13, 1893 Sept. 13, 1893 Sept. 13, 1893 Sept. 14, 1873 Sept. 14, 1873 Sept. 15, 1893 Sept. 16, 1893 Sept. 16, 1893 Sept. 16, 1893 Sept. 16, 1893 Sept. 17, 1893 Sept. 16, 1893 Sept. 16, 1893 Sept. 17, 1893 Sept. 16, 1893 Sept. 16, 1893 Sept. 16, 1893 Sept. 16, 1893 Sept. 17, 1893 Sept. 16, 1893 Sept. 16, 1893 Sept. 16, 1893 Sept. 16, 1893 Sept. 16, 1893 Sept. 17, 1893 Sept. 16, 1893 Sept. 16, 1893 Sept. 17, 1893 Sept. 17, 1893 Sept. 16, 1893 Sept. 16, 1893 Sept. 16, 1893 Sept. 17, 1893 Sept. 17, 1893 Sept. 17, 1893 Sept. 16, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19
Built by.	Clapp & Jones Mfg. Co Manchester Loco. Works, J American Fire Eng. Co Silsby Mfg. Co Silsby Mfg. Co American Fire Eng. Co Manchester Loco. Works, J Hunneman & Co Manchester Loco. Works, G Hunneman & Co Manchester Loco. Works, J Amoskeag Mfg. Co Amoskeag Mfg. Co Amoskeag Mfg. Co Manchester Loco. Works, J Amoskeag Mfg. Co Manchester Loco. Works, G Manchester Loco. Works,
Location.	Dorchester, near Fourth, S. B., Fourth, cor. O. South Boston, Harrison ave., cor. Bristol Marion st., East Boston Leverett st East st Salem st Paris st., Fast Boston Paris st., Fast Boston Paris st., B., Dudley st Cabot st Dudley st Connolia st., Dorchester Norchester ave. and Broadway, Temple st., Dorchester Norther st., Dorchester Norther st., Dorchester Norther st Norther st Norther st Norther st Norther st Norther st Norther st Norther st Norther st Norther st
No.	- 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

Engine Companies.

FIRE DEPARTMENT.

	Exa Sets of Doubl	7 Third size.
Diameter of Pump. Stroke.		<del>1</del> 88
Diameter of Cylinder.		2
ervice.		1895
Put in Service.	Nov., Jume, Jume, April April Juny March, March, March, March, March, March, March, Ang, Feb, March, Aug,	Jan.,
Built by.	Manchester Loco. Works, Nov., La France Fire Eng. Go Juuy Silby Mir. Co Juuy Ulumana & Co Jani Ilumanan & Co	American Fire Eng. Co.,
Location.	wn	
No.	2222282828282882888644444	

\*At 225 revolutions per minute.

Engine Companies. — Concluded.

12

CITY DOCUMENT NO. 13.

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Second size.	23 53 24 55	11 11 11 11		Second " First "	Second "	
43 43 88	44 44 8 08 8 08	44 8 Rotarv	54 8	148 033 053	4 <u>7</u> 8	-
44	1041 1041	o vako L~	6		78	
		Nov., 1867 Julv. 1884				e wagons.
	Manchester Loco. Works, I Manchester Loco. Works, N					Also five hose wagons.
Old 8. Old 10.	Old 17 (Crane neck).	Old 4 (Straight frame)	Old 25	Old 35	Old 35	
ВA	ро	ыr	съ	≠ ,		

Chemical Companies.

Capacity.	Gals. 100 100 100 100 1100 1100 1100 100
Put in Service.	Nov. 9, 1895 April 25, 1874 July 27, 1874 Gueed as a spare en- gene and put in ser- viceo Dec. 20, 1895 Sept. 21, 1876 May 1, 1876 Sept. 27, 1886 Oct. 27, 1887 July 17, 1889
Builders.	Charles T. Holloway Baboock Manufacturing Co Rebuilt by Ilinman in 1886 Altered by Ilinman
Location.	1       Bulfinch st.         2       Church st.         2       Church st.         4       Longwood ave.         5       Egleston sq.         6       Harvard ave., near Cambridge st., Brighton, Chelsea st., Fast Boston         8       South Boston         8       Main st, Charlestown.
Number,	10.00 4 0.010.00

# FIRE DEPARTMENT.

13

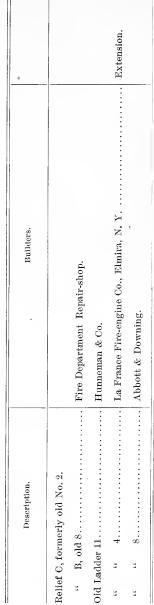
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Capacity.	Gats. 100 80		100 100		Number of Ladders.	111111111				
Put in Service.	$ \left\{ \begin{array}{l} {\rm Sept. \ 13, \ 1889} \\ {\rm As \ Chemical \ 1,} \\ {\rm Act. \ 4, \ 1890} \\ {\rm Sept., \ 1896} \end{array} \right\} $					20, 1869 20, 1891 2, 1891 2, 1886 25, 1884 3, 1870 18, 1873 28, 1898				
Puti	: : :			-	Put in Service.	December April June April March August July				
Builders.	Altered by Hinman Babcock Manufacturing Co Charles T, Holloway	In Reserve.	Serve. Charles T. Holloway	Charles T. Holloway Babcock Manufacturing Co.	Ladder Companies.	Builders.	Warren sq.Hunneman & Co.Paris st., East Boston.Abbott-Downing Co.Harrison ave., cor. Bristol stDudley st., Highland DistrictFourth st., near DorchesterTemplo st., DorchesterOnchort Harrison aveC. T. Holloway & Co.			
				Ladder (		Hunneman & Co Abbott-Downing Co  Hunneman & Co C. T. Holloway & Co				
Location.	Eustis st North Grove st Tremont st.						Old Chemical 2	Old Chemical 2		Location.
Number.	10				Number.	1     Warren       2     Paris st.       3     Harrisor       4     Dudley st.       5     Fourth st       6     Temple				

14

# CITY DOCUMENT NO. 13.

12 15 12 14 14 15 Hayes	Extension Extension 15	Extension 87 feet		
$\begin{array}{c} 23,\ 1898\\ 6,\ 1872\\ 13,\ 1870\\ 113,\ 1872\\ 31,\ 1880\\ 12,\ 1890\end{array}$	$\begin{array}{c} 30,\ 1893\\ 28,\ 1888\\ 1888\\ 1888\end{array}$	29, 1891		6
August October0ctober DecemberJuly March	January April September,	April		
Fort Hill sq.Fire Department Repair-shopMain st., Charlestown.Loverich & Co., N. Y.Centre st., Janaica Plain.Loverich & Co., N. Y.Chestnut Hill ave., Brighton.Hunnman & Co.Tremont st., Highland District.Ryan Bros.Washington st., near Dover.La France Fire-Engine Co., Fimira, N. Y.	14       Fort Hill sq.       Fire Extinguisher Manufacturing Co., Chicago, January         15       Boylston st.       , , , , , , , , , , , , , , , , , , ,	Preston Co., Chicago April	Ladder Trucks.—In Reserve.	. Builders.
8       8         9       Main st., Charlestown         10       Centre st., Jamaica Plain         11       Chestnut Hill ave., Brighton         12       Tremont st., Highland District         13       Washington st., near Dover	14         Fort Hill sq.           15         Boylston st.           16         Roslindale	17 Harrison ave		Description.



15

Companies.	
Combination	

Number.	Location.	Built by.		Put in Service.	Capacity.
	-				Gals.
	Dorchester ave., Ashmont Charles T. Holloway Chemical and Hose	Charles T. Holloway	Chemical and Hose	March, 1892	70
2	Fourth st., South Boston	,, ,,		May, 1893	10
୍	Andrew sq., South Boston Fire Extinguisher Mfg. Co.	Fire Extinguisher Mfg. Co.	" " Ladder.	January, 1898.	20
		Charles T. Holloway	** **	January, 1898	10
5		;; 11	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	January, 1898	70
6	Washington st., Dorchester Fire Extinguisher Mfg. Co.	Fire Extinguisher Mfg. Co.	,, ,, ,,	Nov. 8, 1898	10
7		"	", Hose	April 29, 1898	70
				•	
		Water Lowers,			
Number.	Location		Builders.	Put	Put iu Service.
1	1 Bulfinch st Bulfinch st	Kansas Ci	ity Fire Department Sur		May 17, 1890
2	Bristol st	**	e 37	Dec	Dec. 18, 1893

# CITY DOCUMENT NO. 13.

### NEW APPARATUS PURCHASED DURING THE YEAR.

2 combination chemical and ladder trucks.

4 pairs 35-gallon chemical tanks.

1 combination steel Babcock chemical and hose-wagon.

2 large sized hose-wagons.

### Hose.

Amount of hose purchased and condemned during the year :

Pu	rchased.	Condemned.
Leading co	otton, 6,000 feet.	7,750 feet.
" ru	bber, 2,000 ''	1,050 "
Chemical,	2,000 ''	400 "
Suction,	128 ''	104 ''
Totals,	10,128 ''	9,304 ''

Amount of hose in use and in storehouse, February 1, 1899:

In use.			1n store	house.
Leading cotto	n, 76,750 f	feet	11,600	feet.
" rubbe	er, 8,800	" "	3,200	"
Chemical,	$^{8,400}$	"	500	"
Suction,	936	"	244	" "
Totals,	94,886	"	15,544	"

### Horses.

Purchased during t	he	year		61
Sold or exchanged		•		31
Died				8
Killed for cause				11
Number in the depa	ırt	ment		335

# CITY DOCUMENT No. 13.

'sır: pur	, Coal o oirto	Wharves, Vessels Wood piles, Ele Bonfires.	×	22	14	14	49	70	5	13	15	œ	5	16	241
		.vtis to tuO	÷	÷	1	67	67	÷	:	1	÷	1	ŝ	:	10
s.	1	Totally destroyed	4	٦	-	1	67	2	67	-	63	63	67	-	$^{24}$
BUILDINGS.	.93.61	anb sldærsbizaoD	۲-	6	10	0	œ	9	ð	x	٢	6	16	6	103
CTLD:		.936mub #d2fl8	55	68	57	34	11	98	57	42	6†	53	85	66	797
Хо датаде.		34	41	<del>6</del> †	48	66	53	39	<del>1</del> 3	20	56	68	38	564	
Xeedless still alarms.		<u> </u>	19	24	15	5	11	16	Ξ	-	6	14	19	175	
Extended to others.		ŝ	¢1	*	67	4	5	ŝ	67	I	4	က	÷	39	
	.s2ai	blind of beninnoO	122	115	107	98	138	144	90	68	85	112	162	147	1,409
		sun.	66	83	80	64	102	134	21	15	49	64	64	16	962
ALARMS.	.hd	Zeedless.	r-	10	5	6	-	10	5	4	6	9	67	10	8
ALA	Telegraph	.9sls9.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	er -	50	1	61	00	00		*	67	57	-	26
	Tel	.9114	20	5	70	67	98	86	67	65	59	20	93	6	913
	ANCE.	.езпэтиоЭ	\$253,576	315,750	759,588	665,975	185,025	441,450	182,550	440,050	101,800	139,050	426,366	647,625	\$4,558,805
Targette and a	MUGAL	.sgaiblinti	\$761,633	838,752	1,156,600	1,049,928	843,980	470,515	498,085	392, 720	477,335	556,036	1,118,172	2,517,050	\$10,680,806
T Mate		.strotro)	\$36,300	36,235	233,185	62,770	10,329	258,475	47,926	136,211	13,215	22,426	65,081	79,064	\$1,001,217
Ĺ	-	.szniblinU	\$37,039	30,992	156,308	17,279	16,237	55,613	20,792	30,191	11,709	19,555	24,927	19,402	\$440,044
	~	.IstoT	168	171	159	141	$^{203}$	245	126	120	121	142	191	193	1,980
ġ.		Accidental.		-	:	:	÷	÷	÷	ł	÷	5	÷	÷	~
SIVE	i.	.пмопяцU		г	<b>21</b>	:	-	c,1	1	÷	61	÷	-	Г	Ξ
RECI	Who	A utomatic.	6	14	9	œ	-	9	15	4	67	9	6	œ	91
ALARMS RECEIVED.	From Whom	Citizens.	120	130	111	108	163	178	18	96	98	112	152	160	1,515
ALA		Police.	53	15	31	17	33	30	14	13	13	Π	17	16	221
		Members.	10	r:	6	x	Ŀ	2	x	9	ro D	ം	10	6	8
	]	Fire patrol.	9	5	:	:	6	17	-1	Н	c)	re.	67	63	51
		MONTHS. 1898-99.	February	March	April	May	June	July	August	September	October	November	December	January	Total

18

# Causes of Fires and Alarms from February 1, 1898, to February 1, 1899.

Alarms, accidental, automatic .		•	•	73
" false				26
" out-of-city	•			10
Ashes, hot, in wooden receptacle .	•			27
Back draft				<b>2</b>
Boiling over of fat or tar				- 33
Bonfires, grass, rubbish. etc				179
Careless use of lamps, candles, etc.				35
" " " pipes and cigars in sn	ioking			47
Chimneys, soot burning	•			95
" defective				17
" overheated				4
" collapse of				1
Clothes too near stove				11
Collapse of buildings				1
Defective flue				11
" stove-pipe				3
" grate or fire-place				8
"furnace				$^{2}$
" sprinkler				3
Electric motor igniting car				17
" wires				65
Explosion and ignition of chemicals				9
Fireworks				37
Friction				1
Fumigating				4
Gas, explosion of				9
" ignition of leaky pipes				9
" jet setting fire				59
Ignition of dust in blower				4
Incendiary				26
" supposed				18
Lamp, explosion				67
" upsetting and breaking				104
Light mistaken for fire				15
Lightning				$\overline{2}$
Matches and rats				30
" " children				78
" careless use of				107
Monkey throwing sawdust in lamp .				1
Naphtha, careless use of, and ignition				24
Oil stove " " " " explosio				$\overline{72}$
Gas stove " " " " " "				3
Plastering, drying				- Ĕ
Overheated boiler or steam-pipe .				16

# CITY DOCUMENT NO. 13.

Overheated over	en								5
" sto	ve or fur	nace							55
Railroad whistl	le blowing	g for	flag r:	aising					1
Rekindling of a									<b>2</b>
Plumber's stov	e upsetti	ng							9
Slacking of lin		•							5
Smoky chimne									34
	r furnace								53
Sparks from an	other fire	<b>,</b>							1
+	irnace or								12
" " el	imney								27
	U								10
	gun								1
	igine or le	ocome	otive						25
Spontaneous co									39
Steam escaping									13
Street fight .	, .	•		-					2
Testing-box .	•		•	•				Ţ	ī
Test-alarm .	•	•	•	•				÷	1
Team striking	and break	ring k		•	•	•			1
Unknown .	and srear	ing .		•	•	•	•	Ċ	274
Use of kerosen	e to light	fire	•	·	•	·	·	•	4
Water-pipes, th			•	•	•	•	·	·	33
	usting of		•	·	•	·	•	•	1
K.	usung or		•	•	•	•	•	•	
Total .	•								1,980
Tetal much on a	factual	6 mag							1,699
Total number of			•	•	•	•	•	·	
Confined to one			•	·	·	•	•	•	1,409
Extended to ot		•	•	·	•	·	•	•	39
Wharves, vess	els, grass	, etc.	•	·	•	•	•	•	241
Out of the city	•	•	•	•	·	•	•	•	10
		T							
		B	JILDIN	GS.					
Slightly damag					•	•		•	797
Considerably d	amaged	•	•				•	•	103
Totally destroy	yed.							•	24
Not damaged		•			•		•	•	564
		<b>D</b>							
		EXTI	NGUISI	HED B	r				
Extinguishers	•			•	•	•	•	·	425
Buckets of wat	er .				•	•		•	253
Chemical engin	ies .		•	•	•	•	•		282
Hydrant strear	n.	•	•		•	•	•	•	141
Steamers .	•			•	•			٠	294
Miscellaneous,	brooms,	stam	oing o	ut and	l smo	therir	ng	•	58
Citizens .	•	•	•	•	•	•	•	•	236
Total .									1,689

The following Fire-alarm boxes are private property: 115, 119, 149, 152, 161, 165, 212, 227, 228, 244, 271, 279, 281, 283, 299, 358, 422, 442, 443, 445, 446, 447, 448, 449, 511, 533, 617, 619, 623, 624, 626, 629, 698, 711, 714, 715, 716, 718, 722, 724, 725, 726, 727, 728, 729, 731, 732, 733, 735, 737, 738, 739, 741, 742, 744, 745, 746, 766, 767, 769, 773, 778, 779, 789, 791, 792, 793, 794, 795, 797, 799, 816, 828, 838, 842, 864, 865, 919, 927, 967, 971, 974.

### ALARM BELLS.

The Fire-alarm Telegraph is connected with the following bells:

- Adams School-house, Sumner street, East Boston, steel, 2,995 lbs., owned by city.
- Bunker Hill School-house, Charlestown, composition, 2,009 lbs., owned by city.
- Chapman School-house, Eutaw street, East Boston, steel,  $3,109\frac{1}{2}$  lbs., owned by city.
- City Hall, Charlestown, composition, 3,600 lbs., owned by city.
- Engine-house No. 16, Temple street, Dorchester, composition, 4,149 lbs., owned by city.
- Engine-house No. 17, Meeting House Hill, Dorchester, composition, 4,000 lbs., owned by city.
- Engine-house No. 18, Harvard street, Dorchester, composition, 3,184 lbs., owned by city.
- Engine-house No. 19, Mattapan, Dorchester, composition, 2,927 lbs., owned by city.
- Engine-house No. 20, Walnut street, Dorchester, composition, 3,061 lbs., owned by city.
- Engine-house No. 21, Boston street, Dorchester, composition, 3,026 lbs., owned by city.
- Engine-house No. 28, West Roxbury, composition, 4,000 lbs., owned by city.
- Engine-house No. 29, Brighton, steel, 1,535 lbs., owned by city.
- Engine-house, Mt.Vernon street, West Roxbury, steel, 1,000 lbs., owned by city.
- Engine-house No. 34, Brighton, composition, 1,501 lbs., owned by city.
- Engine-house No. 40, Orleans street, East Boston, composition, 817 lbs., owned by city.
- Engine-house No. 41, Allston, composition, 900 lbs., owned by city.

- Engine-house No. 45, Roslindale, composition, 1,059 lbs., owned by city.
- Lewis School-house, Dale street, Boston Highlands, composition, 3,104 lbs., owned by city.
- Maverick-street Church, East Boston, composition, 2,000 lbs.
- Princeton-street School-house, East Boston, composition, 2,470 lbs., owned by city.
- Saratoga-street M. E. Church, East Boston, steel, 1,968 lbs., owned by city.
- Warren School-house, Charlestown, composition, 3,000 lbs., owned by city.
- Winthrop School-house, Charlestown, composition, 3,000 lbs., owned by city.

Bells owned by the city, which have been disconnected from service, are located as follows:

- Fire-alarm repair-shop, bell formerly used on house of Chemical Engine 5; one composition, 400 lbs., formerly used on house of Chemical Engine No. 4; one composition, 400 lbs., formerly used on house of Chemical Engine No. 6, and two small bells from other locations.
- Engine-house No. 1, Dorchester street, South Boston, composition, 2,911 lbs.
- Engine-house No. 2, composition, 800 lbs.
- Faneuil Hall, steel, 5,816 lbs., owned by city, taken down and stored by Public Buildings Department.
- George-street School-house, Boston Highlands, composition, 4,160 lbs.
- Hook-and-Ladder House No. 4, Dudley street, Boston Highlands, composition, 3,509 lbs.
- Lawrence School-house, B street, South Boston, steel, 3,400 lbs.
- Lincoln School-house, Broadway, South Boston, composition, 3,110 lbs.
- Quincy School-house, Tyler street, composition, 2,941 lbs.
- Smith-street School-house, Highlands, composition, 4,083 lbs.
- Ticknor School-house, Dorchester street, Washington Village, steel, 2,995 lbs.
- Trinity Church, Trenton street, East Boston, composition, 1,760 lbs. Formerly used on Castle-street Church.
- Van Nostrand's Brewery, Charlestown, composition, 818 lbs. Formerly used on Boylston School-house.

Wells School-house, Blossom street, composition, 1,675 lbs.

### PUBLIC CLOCKS.

The following public clocks, thirty-nine in number, are taken care of by the Fire Department:

### City Proper.

Arlington-street Church. Charles-street Church. Christ Church, Salem street, owned by city. Commercial Wharf. Odd Fellows Hall, Tremont street, owned by city. Old South Church, owned by city. Old State House, owned by city. Park-street Church. Suffolk County Jail, owned by city. St. Stephen's Church, Clark street, owned by city. Shawmut-Avenue Church. Tremont M. E. Church, owned by city. Young Men's Christian Union, owned by city.

### South Boston.

Bigelow School-house, owned by city. Gaston School-house, owned by city. Lincoln School-house, owned by city. Phillips Church, owned by city. St. Augustine Church, Dorchester street, owned by city. Ticknor School-house, Washington Village, owned by city.

#### East Boston.

Central-square Church. London-street Church, owned by city. Lyceum Hall, owned by city. Trinity Church, owned by city. Orient Heights Church, owned by city.

### Boston Highlands.

Winthrop-street Church, owned by city. West End stables, Tremont street, owned by city.

### Dorchester.

Baker Memorial (Upham's Corner), owned by city. Neponset Church. Tileston School (Mattapan), owned by city. Unitarian Church (Milton Lower Mills).

### Charlestown.

Bunker Hill Church. City Hall, owned by city. Harvard Hill Church. High School-house, owned by city. Unitarian Church.

### West Roxbury.

Dr. Strong's Church. Unitarian Church. Congregational Church (Roslindale), owned by city.

### Brighton.

Bennett School-house, owned by city.

e

Your obedient servant,

HENRY S. RUSSELL,

Commissioner.

 $\mathbf{24}$ 

# ANNUAL REPORT

OF THE

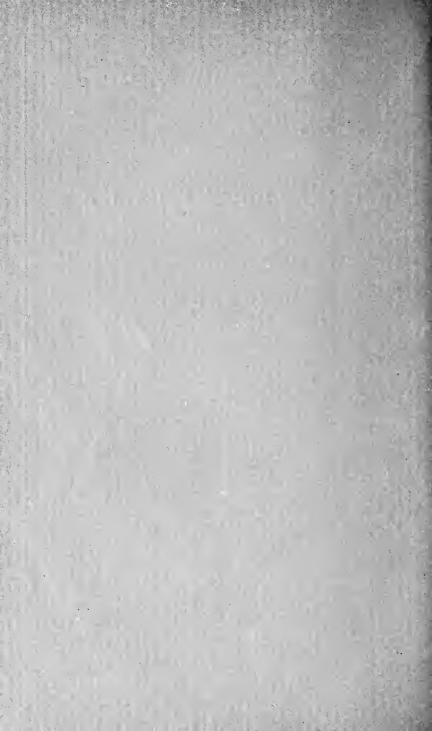
# FIRE DEPARTMENT

FOR THE

# YEAR 1899-1900



BOS'TON MUNICIPAL PRINTING OFFICE 1900



ANNUAL REPORT

OF THE

# FIRE DEPARTMENT

FOR THE

# YEAR 1899-1900



d BOSTON MUNICIPAL PRINTING OFFICE 1900

Touton Fire Delestion TTADES (UNE COUNCE)

11.16

### HEADQUARTERS FIRE DEPARTMENT, BRISTOL STREET, BOSTON, February 14, 1900.

### HIS HONOR THOMAS N. HART, Mayor:

SIR, — While the losses by fire for last year exceed those of several years passed, we can derive some satisfaction from the fact that there were 2,444 alarms, with an attendant loss of \$1,630,149, averaging \$677.27; while in 1898, 1,980 alarms with a loss of \$1,441,261 averaged \$727.90. In sending out these alarms from headquarters 9,792,000 electric blows have been necessary, while for the previous year 7,355,000 blows did the work; and it is unnecessary for me to say that the successful work done by the department in handling this number of fires, increased in magnitude as well as in number, has strengthened my confidence in the hope that the dreaded conflagration against which we are daily preparing may still be delayed through the activity and zeal of our officers and men and the increased strength of our apparatus.

The fire-alarm branch of the department deserves much praise for its successful work in receiving and transmitting this unusual number of alarms during the past year; there having been no important failure in any part of the intricate system established and maintained by it. There are 624 firealarm boxes in service from which all information of fires is received, and in which there has been only one failure during the year; the total length of wire conductors now underground is 761 miles with some 800 miles of wire stretched on poles, and I hope that during all future years we may be able to place an additional amount below ground until the whole system is so covered.

I cannot too often or too strongly impress on our fellowcitizens the necessity of outside standpipes on high buildings, for adequate fire-escapes and for a change in the so-called fire limit for preventing the erection of wooden buildings, which now in our country districts offer tempting food for conflagration and disaster.

In my opinion the principle on which the department has been conducted during the last five years has, by its results, proved itself a good one, our efforts having been devoted to strengthening the force within its present limits, rather than enlarging it by additional houses and companies at necessarily a great expenditure of money; and to-day I cannot recommend any additional houses, other than one for a ladder truck to be located near the present engine-house of companies 38–39 on Congress street, South Boston, for the protection of the many large buildings lately placed in that vicinity.

While I appreciate the possible advantage of the salt-water system already extending from Central Wharf up Central street through Post Office Square and Congress street to Atlantic avenue, I feel that property-owners should equip their buildings with outside standpipes, made available to the apparatus of this department, before the city should be called on to lay out much money on the further adoption of that system.

#### ORGANIZATION.

Commissioner, HENRY S. RUSSELL; term expires May, 1901.

Secretary, BENJAMIN F. UNDERHILL.

Chief of Department, LEWIS P. WEBBER.

Assistant Chief, WILLIAM T. CHESWELL.

Second Assistant Chief and Chief of District No. 6, JOHN A. MULLEN.

Superintendent of Fire-alarms, BROWN S. FLANDERS.

Assistant Superintendent of Fire-alarms, CYRUS A. GEORGE.

Consulting Electrician, HENRY F. COTTLE.

Superintendent of Repair-shop, HENRY M. HAWKINS.

Assistant Superintendent of Repair-shop, EUGENE M. BYINGTON.

Hydraulic Engineer, GREELY S. CURTIS.

~

Veterinary Surgeon, GEORGE W. STIMPSON.

Medical Examiner, RUFUS W. SPRAGUE. Purchasing Officer, CHARLES A. STRAW.

Storekeeper, GEORGE R. KNIGHT.

Foreman of Hose and Harness-shop, PATRICK B. HANNON.

### CLERKS.

William E. Delano, M. J. Lafferty, George F. Murphy, James P. Maloney, D. J. Quinn.

# District Chiefs.

John F. Ryan,	Headquarters,	Ladder-house 2
C. H. W. Pope,	i.	" 9
Joseph M. Garrity,	"	" 8
Peter F. McDonough,	"	Engine-house 4
Nathan L. Hussey,	66	" 26
Patrick E. Keyes,	44	" 3
John Grady,	""	Ladder-house 12
Edward H. Sawyer,	"	" 4
Williston A. Gaylord,	46	Engine-house 18
George F. Griffin,	44	" 41
Lewis P. Abbott,	"	<b>··</b> 28

### FORCE AND PAY-ROLL.

<b>o</b> · · ·						@F 000		
Commissioner	•	•	•	•	•		$\mathbf{per}$	annum.
Secretary .						$2,\!400$	"	66
Chief of Depar	$\operatorname{rtment}$					3,500	""	"
First Assistan	t Chief					2,400	"	"
Second "	"				۰.	2,200	"	"
Superintenden	t of Fir	e-alaı	ms			3,200	"	"
Assistant Sup				e-alar	ms,	2,000	"	<b>66</b>
Superintenden						2,000	"	"
Asst. "	"	"				1,600	""	"
Hydraulic Eng	gineer					1,400		"
Veterinary Su						2,000	"	"
Medical Exam						600	"	"
Purchasing Of	ficer					$1,\!600$	"	"
Foreman of H		Harr	iess S	hop		1,400		46
Storekeeper .						1,400		"
1 Clerk .						1,500	"	"
1".						1,200		"
2 "						1,100		"
1 "				÷		1.000		"

4

11 District Chiefs			•	•	\$2,000	per	annum.
53 Captains .					1 000		"
65 Lieutenants .			•		1,400	"	"
					1,300	"	"
43 Assistant Engin	eers				1,200	"	"
3 " "			•	•	1,000	""	"
459 Permaner	nt men.						
341 at		•	•		1,200	"	"
42 at		•			1,100	"	"
39 at	•	•			1,000	"	"
28 at		•			900	"	"
9 at		•			720	""	"
86 Call-men.							
1 at					325	"	"
18 at	•		•		250	"	"
67 at	•				200	""	"
2 Drivers for Assi	istant (	Chiefs			1 75	per	day.
11 Drivers for Dist	rict Cl	$\mathbf{hiefs}$			1 75	"	•
2 Watchmen .		•			1,000	per	annum.
3 Hostlers (average	ge).				1 95	per	day.
1 Horse-shoer .	•	•		•	3 00	"	•

## FIRE-ALARM FORCE.

6	Operators			•		\$1,600	per annum.
$^{2}$	Assistant	Opera	$\operatorname{tors}$			1,200	** **
1	Assistant	Opera	tor .		•	$2 \ 75$	per day.
1	Foreman o	f Con	struct	ion		1,800	per annum.
17	Repairers	(avera	uge)	•	•	2 93	per day.

### REPAIR-SHOP EMPLOYEES.

1 Sanitary Engineer		•			\$1,300 per annum.
1 Engineer .		•			3 00 per day.
1 Assistant Engineer					2 50 "
1 Painter .					3 75 "
1 "					250 "
2 Wheelwrights					3 25 "
4 Machinists .	•	•			3 25 "
2 " .					3 00 "
2 Blacksmiths .		• •			3 50 "
1 Blacksmith .	•			•	3 25 "
1"••					250 "
2 Blacksmith's-helper	s		•		250 "
1 Hose and harness-re	epair	er			1 50  "
4 Laborers, (average)	)	•	•	•	2 10 "

854 Total force.

### FIRE DISTRICTS.

The city is divided into twelve fire districts, as follows :

### District 1.

All that part of Boston known as East Boston.

### District 2.

All that part of Boston formerly known as Charlestown.

### District 3.

The territory bounded on the north and east by the water front, on the south by Summer street, and on the west by Washington and Charlestown streets.

### District 4.

The territory bounded on the north by the Charles river, on the east by Charlestown and Washington streets, on the south by Winter, Park and Beacon streets, and on the west by the Charles river and Berkeley street.

### District 5.

The territory bounded on the north by Beacon, Park, Winter and Summer streets, on the east by Fort Point channel, on the south and west by Broadway, Way, Motte, Castle and Ferdinand streets, Columbus avenue and Berkeley street.

### District 6.

All that part of Boston known as South Boston, and running south as far as Dorset and Locust streets.

### District 7.

The territory bounded on the north by Berkeley street, Columbus avenue, Ferdinand, Castle, Motte and Way streets and Broadway, on the east by Fort Point channel and South bay, on the south by Massachusetts avenue, and on the west by the Charles river.

### District 8.

The territory bounded on the north by the Charles river and Massachusetts avenue, on the east by Washington street, on the south by Atherton and Mozart streets, Chestnut avenue, Sheridan and Centre streets, Hyde square, Perkins, Catalpa and Castleton streets, across Jamaicaway to the Brookline line, and on the west by the Brookline line, Beacon and Deerfield streets.

### District 9.

The territory bounded on the north by Massachusetts avenue, South bay, Dorset and Locust streets, on the east by Dorchester bay, on the south by Freeport, Hancock, Bowdoin, and Quincy streets, Columbia road, and on the west by Seaver street, Columbus avenue and Washington street.

### District 10.

That part of Dorchester bounded on the north by Seaver street, Columbia road, Quincy, Bowdoin, Hancock, and Freeport streets, on the east by Dorchester bay, on the south by the Neponset river and the Hyde Park line, and on the west by Harvard street and Blue Hill avenue.

### District 11.

All that part of Boston known as Brighton and extending east as far as Deerfield and Beacon streets.

### District 12.

All that part of Boston known as West Roxbury, bounded on the north by a line from the Brookline line across Jamaicaway to Castleton street, through Castleton, Catalpa and Perkins streets, Hyde square, Centre and Sheridan streets, Chestnut avenue, Mozart and Atherton streets, Columbus avenue and Seaver street, on the east by Blue Hill avenue and Harvard street, on the south by the Hyde Park and Dedham lines, and on the west by the Newton and Brookline lines.

In all cases where streets are designated as boundaries, the centre of the street will be the dividing line.

### Assignment of Districts.

Each district is placed under the charge of a District Chief, as follows :

		Compan	ies in I	ISTRICTS		
District.	Chief of Command.	Engines.	Chemical Engines.	Hook and Ladders.	Combination Companies.	Water Towers.
1	John F. Ryan	5, 9, 11, 40	7	*2	4	
2	C. H. W. Pope	27, 32, 36	9	* 9	5,7	
3	Joseph M. Garrity	8, 25, 31, 44		* 8, 14		
4	Peter F. McDonough,	*4, 6, 10	1	1	8	1
5	Nathan L. Hussey	7,*26,35	2	17		
6	John A. Mullen	* 1, 2, 15, 38, 39, 43	8	5	2, 3	
7	Patrick E. Keyes	* 3, 22, 33	4	3, 13, 15		<b>2</b>
8	John Grady	13, 14, 37	3, 12	* 12		
9	Edward H. Sawyer	12, 21, 23, 24	10	*4	6	
10	Williston A. Gaylord,	16, 17, *18, 19, 20		6,7	1	
11	George F. Griffin	29, 34, *41	6	11		
12	Lewis P. Abbott	* 28, 30, 42, 45	5	10, 16		

\* Headquarters of District Chief.

The following property is in charge of the Fire Commissioner:

Houses.
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Location.	No. of feet in lot.	Assessed Valuation.	Occupied by
Dorchester street	5,698	\$25,800	Engine 1.
Corner of O and Fourth streets	4,000	16,400	Engine 2.
Bristol street and Harrison avenue	4,000	30,000	Engine 3 and Ladder 3.
Bulfinch street	6,098	90,000	Engine 4, Chemical 1 and Tower 1.
Marion street, East Boston	1,647	9,000	Engine 5.
Leverett street	2,269	35,000	Engine 6.
East street	1,893	35,400	Engine 7.
Salem street	2,568	18,300	Engine 8.
Paris street, East Boston	4,720	28,600	Engine 9 and Ladder 2.
River street	1,886	19,600	Engine 10.

Houses. — Continued.

Location.	No. of feet in lot.	Assessed Valuation.	Occupied by
Saratoga and Byron streets, Eas Boston	10,000	\$37,500	Engine 11 and Combina- tion 4.
Dudley street	7,320	24,900	Engine 12.
Cabot street	4,832	16,000	Engine 13.
Centre street	5,713	14,600	Englue 14.
Dorchester avenue	2,843	18,700	Engine 15.
River street, Dorchester District	12,736	18,500	Engine 16 and Ladder 6.
Meeting House Hill, Dorchester Dist.	, 9,450	17,300	Engine 17 and Ladder- house 7 on this lot.
Harvard street, Dorchester District.	9,440	17,800	Engine 18.
Norfolk street " " .	7,683	14,200	Engine 19.
Walnut street " " .	9,000	9,200	Engine 20.
Columbia road " " .	12,661	18,300	Engine 21.
Northampton street	3,445	13,200	Engine 23.
Corner Warren and Quincy streets .	4,186	18,100	Engine 24.
Fort Hill square	4,175	77,700	Engine 25, Ladder 8 and Ladder 14.
Mason street	5,623	113,000	Engine 26 and Engine 35.
Elm street, Charlestown District	2,600	18,000	Engine 27.
Centre street, West Roxbury District	, 10,377	28,300	Engine 28 and Ladder 10.
Chestnut Hill ave., Brighton District	14,358	37,200	Engine 29 and Ladder 11.
Centre street, West Roxbury District	, 12,251	24,700	Engine 30.
Bunker Hill st., Charlestown District	, 8,188	26,200	Engine 32.
Corner Boylston and Hereford sts	5,646	66,000	Engine 33 and Ladder 15.
Western avenue, Brighton	4,637	17,800	Engine 34. 🔗
Monument st., Charlestown District.	5,668	21,000	Engine 36 and Combina- tion 5.
Cor. Longwood and Brookline aves.	<sup>1</sup> 5 <b>,</b> 400	12,600	Engine 37 and Chemical 3.
Congress street	4,000	34,000	Engine 38 and Engine 39.
Sumner street, East Boston	4,010	18,000	Engine 40.
Harvard avenue, near Cambridge st. Brighton District	6,112	25,500	Engine 41 and Chemical 6.
Washington street, between Atherton and Beethoven	3,848	22,900	Engine 42 and Chemical 5.
Andrew square	5,133	20,100	Engine 43 and Combina- tion 3.
Poplar, corner Washington street West Roxbury	14,729	18,700	Engine 45 and Ladder 16.
Church street	3,412	23,600	Chemical Engine 2.
Shawmut avenue	889	5,700	Chemical Engine 4.
Chelsea street, East Boston	1,346	10,400	Chemical Engine 7.

Location.	No. of feet in lot.	Assessed Valuation.	Occupied by
B street	1,894	\$7,800	Chemical Engine 8.
Eustis street	1,754	7,600	Chemical Engine 10.
Friend street	1,676	32,400	Ladder 1.
Dudley street	3,923	25,900	Ladder 4.
Fourth street	2,469	See Englne 1.	Ladder 5.
Main street, Charlestown	4,290	18,000	Ladder 9 and Chemical 9
Tremont street	4,350	25,700	Ladder 12 and Chemica 12.
Washington, near Dover street	1,007	13,100	Ladder 13.
Harrison avenue	2,134	25,500	Ladder 17.
Dorchester avenue, Ashmont	4,875	22,400	Combination 1.
Fourth street	3,101	11,000	Combination 2.
Washington street, Dorchester	6,874	21,400	Combination 6.
Winthrop street	3,000	13,200	Combination 7.
North Grove street	3,918	18,000	Combination 8.

### Houses. - Concluded.

	ssessed Valua	tion.
Fuel-house, Dorchester street, 1,610 feet of		
land	\$3,300	
Fuel-house, Salem street, 417 feet of land .	3,200	00
Fuel-house, Main street, Charlestown, 2,430		
feet of land	7,000	00
Headquarters building and repair-shop, corner		
of Albany and Bristol streets, 23,663 feet.	185,000	00
Engine No. 22, Water Tower No. 2 and	<i>,</i>	
Wrecking Wagon are in Headquarters		
building		
Old house of Engine 30, on Mt. Vernon street,		
West Roxbury, 16,275 feet of land .	5,400	00
Veterinary Hospital, Atkinson street, 64,442	,	
feet of land	$39,\!110$	00
7,500 feet of land on Warren avenue, pur-		
chased as a site for new house for Engine 22,	$18,\!600$	00

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10

STEAM FIRE ENGINES. — Forty-three in service, located as follows: Twelve in city proper, four in East Boston, six in South Boston, five in Roxbury District, six in Dorchester, three in Charlestown, four in West Roxbury, and three in Brighton. FIRE-BOAT. -- One, located India Wharf.

HORSE HORSE CARRIAGES AND WAGONS, -- Forty-three, located as follows, viz.: Twelve in city proper, four in East Boston, six in South Boston, five in Roxbury, six in Dorchester, three in Charlestown, four in West Roxbury, and three in Brighton.

	Second size.	Third "	First "	11 11	Second "	11 11	First "	Second "	51 52	55 55	11 11	17 73	11 11	17 77	First "	Second "	55 55	Third "
Stroke.	5	x	00	00	80	ary.	-00 -	8	80	00	00	00	1-	8	80	ary.	.00	œ
Diameter of Pump.	ro C	4	54	12	48	Rot	54 1	4	44	44	44	44	'n	48	27	Rot	44	4
Diameter of Cylinder.	s <del>i</del>	6 <u>4</u>	°6	6	18		6	£9	14	$\frac{79}{10}$	64	64	8	uda L—	6	•••••	79	64
Put in Service.	1. 1890	1890	22, 1890	22, 1893	1867	1890	1895	n 30, 1896	14, 1872	1, 1, 1882	9, 1873	1 27, 1882	1, 1890	17, 1870	1893	8, 1890	1880	1890
Put iı	April	Nov.,	Aug.	Feb.	Nov.,	April	June	March	Oct.	March	April	March	April	Sept.	Feb.,	April	Mav.	Nov.,
Built by	Clapp & Jones Mfg. Co.,	Manchester Loco. Works,	Clapp & Jones Mfg. Co.,	American Fire Eng. Co.,	Amoskeag Mfg. Co	Silsby Mfg. Co	American Fire Eng. Co.,	Manchester Loco. Works,	Hunneman & Co	Manchester Loco. Works,	Amoskeag Mfg. Co	Manchester Loco. Works,	Clapp & Jones Mfg. Co.	Amoskeag Mfg. Co	American Fire Eng. Co.,	Silsby Mfg. Co	Amoskeag Mfg. Co	Manchester Loco. Works,
Location.	Dorchester, near Fourth, S. B.,	Fourth, cor. O, South Boston,	Harrison ave., cor. Bristol	Bulfinch st	Marion st., East Boston	Leverett st	East st	Salem st	Paris st., East Boston	Mount Vernon, cor. River st	Saratoga, cor. Byron st., E. B.,	Dudley st.	Cabot st	Centre st	Dorchester ave. and Broadway,	Temple st., Dorchester	Meeting House Hill, Dor	Harvard st., Dorchester
No.	н	C)	ಾ	4	n	9	-1	œ	6	10	11	12	13	14	15	16	17	18

CITY DOCUMENT NO. 15.

2 sets of pumps 4,790 gallons.* Double extra first size. 2 sets of pumps 4,790 gallons.* Double extra first size. 	Third size.
44         4           Rotary         7           Rotary         8           Rotary         10           Rotary         8           Rotary         8           Soft         7           Rotary         48           Rotary         10           IO         10	4
	488
1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	-1
$\begin{array}{c} 5, 1890\\ 10, 1892\\ 12, 1892\\ 24, 1889\\ 24, 1888\\ 29, 1886\\ 9, 1881\\ 9, 1882\\ 20, 1882\\ 20, 1882\\ 20, 1882\\ 20, 1882\\ 1891\\ 1892\\ 1892\\ 1893\\ 3, 1893\\ 3, 1892\\ 1893\\ 18$	1895
Dec. Nov., Aug. Sept. Feb. Juny Juny Juny Juny June, Jan, Dec., Jan, Jee., Jan, March March March March March March March March	Jan.,
Clapp & Jones Mfg. Co., Manchester Loco. Works, Clapp & Jones Mfg. Co Silsby Mfg. Co Silsby Mfg. Co Silsby Mfg. Co Clapp & Jones Mfg. Co Manckeag Mfg. Co Humeman & Co Silsby Mfg. Co Silsby Mfg. Co Manchester Loco. Works, Silsby Mfg. Co Anoskeag Mfg. Co Manchester Loco. Works, Silsby Mfg. Co Manchester Loco. Works, Silsby Mfg. Co Clapp & Jones Mfg. Co Clapp & Jones Mfg. Co Manchester Loco. Works, Silsby Mfg. Co Manchester Loco. Works, Manchester Loco. Works, Manchester Loco. Works, Manchester Loco. Works, Silsby Mfg. Co Clapp & Jones Mfg. Co Clapp & Jones Mfg. Co Clapp & Jones Mfg. Co Manchester Loco. Works, Manchester Loco. Works, Marchester Loco. Works, Marc	American Fire Eng. Co.,
Norfolk st., Dorchester	Washington, cor. Foplar st., West Roxbury
10122222222222222222222222222222222222	45

\* At 225 revolutions per minute.

11

# FIRE DEPARTMENT.

			ОПӨ	ity.			
	ند. د د د د د د		Boston,	Capacity.	Gals. 100 160 100	100	170 160 100
	Second size.		proper, one in East	Put in Service.	Oct., 1890 April 25, 1874 July 27, 1874	Used as a spare en-	VICU DUC. ZU, 10993, / Sept. 21, 1876 May 1, 1876 Sept. 27, 1886
Stroke.	00 00 00 00 00 00 00 00 00 00 00		city ghton			⊃ 60° 	
Diameter of Pump.	4 4 4 4 4 4 70 4 70 		in the in Bri		Co	886	
Diameter of Cylinder.	14 apr 10 1 1 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0		Three id one	ei.	cturing "	u in 1	
Fut in Service.	April 26, 1869 Feb., 1870 Dec., 1879 May, 1879 May, 1867 Sopt., 1872 Nov., 1890 July, 1890 July, 1890 Aug., 1890	Also five hose wagons.	Chemical Companies. .cting, located as follows: ' ry, one in West Roxbury, an	Builders.	Babeoek Manufacturing Co	Rebuilt by Hinman in 1886	Altered by Hinman
Built by	Freeman & Jucket Amoskeag Mfg. Co Manchester Loco.Works, Manchester Loco.Works, Amoskeag Mfg. Co Amoskeag Mfg. Co Clapp & Jones Mfg. Co., Manchester Loco.Works, Clapp & Jones Mfg. Co.,	Also five l	<b>Chemical Companies.</b> CHEMICAL ENGINES. — Eleven in service, self-acting, located as follows: Three 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.	Location.	Bulfinch st		ridge st., Brighton,
Location.	Old 8 Old 10 Old 17 (Crane neck) Old 4 (Straight frame) Old 25 Old 25 Old 35		ENGINES. — Eleven ii me in South Boston, 1	Γο	Bulfinch st Church st Longwood ave	Shawmut ave	Egleston sq near Cambi Harvard ave., near Cambi Chelsea st., East Boston
	Old         8           Old         10           Old         17 (Crane neck)           Old         4 (Stratght frame           Old         1 (Stratght frame           Old         3 (Stratght frame           Old         3 (Stratght frame		Снемісаі. harlestown, o	Number.			
No.	AUOUMFQHI		in C		0 6 H	4	10.01

In Reserve.

12

# CITY DOCUMENT NO. 15.

	$\mathbf{F}_{\mathbf{H}}$	RE DEPARTM	IENT.
In Reserve.	100 100	follows, viz.: town, two in	Number of Ladders.
		er trucks, located as	Put in Service.
	Old Chemical 2	Ladder Companies. in service, including five extension ladde oury, one in South Boston, two in Dorch	Builders.
		Ladder Companies. HOOK AND LADDER CARRIAGES. – Seventeen in service, including five extension ladder trucks, located as follows, viz.: West Roxbury, and one in Brighton.	Location.
		Hoo Seven in c West Roxk	Number.

In Reserve.

1887
 1889
 1889
 1896
 1896 $^{27}_{13}$ ,  $^{17}_{13}$ ,  $^{17}_{13}$ ,  $^{17}_{13}$ ,  $^{13}_{13}$ , Oct. July Sept. Sept.,

•••••

3 ; 3

3 3 ;

Eustis st..... Tremont st.....

.....

Charles T. Holloway .....

West Roy	West Roxbury, and one in Brighton.	West Roxbury, and one in Brighton.	nester, one in Charlest	own, two in
Number.	Location.	Builders.	Put in Service.	Number of Ladders.
1984005	Warren sq	Hunneman & Co	December 20, 1869 June 2, 1899 April 25, 1884 March 3, 1870 Aug. 1873 July 28, 1893	515151 1919 1919 1919 1919 1919 1919 19

13

	Number of Ladders.	12 15 15 14 14 15 Hayes Extension Extension Extension 15	Extension 87 feet			Extension.	
Lauder Companies. — Concuraed.	Put in Service.	23, 1898 6, 1872 6, 1872 13, 1870 13, 1872 13, 1870 13, 1870 13, 1880 13, 1880 12, 1880 28, 1883 28, 1888	29, 1891		Builders.	Fire Department Repair-shop. Hunneman & Co. La France Fire-engine Co., Elmira, N. Y	•
	Put i	Aug. Oot. Dec. July March April Sept	April				
	Builders.	Fort Hill sqFire Department Repair-shopMain st., CharlestownLeverich & Co., N. YCentre st., Jamaica PlainLeverich & Co., N. YCinstnut Hill ave., Brighton"""Washington st., Highland District.Ryan BrosFort Hill sq"Boylston st."Rotstindale	•	Ladder Trucks.—In Reserve.			
	Location.		Harrison ave	Description.	Relief B, old 8 Fin Old Ladder 11		
	Number.	8 9 10 11 13 15 15 15 15 15 15 15 15 15 15 15 15 15	17			Relief B, c Old Ladde """"	

Ladder Companies. -- Concluded.

 $\mathbf{14}$ 

CITY DOCUMENT No. 15.

**Combination Companies.** 

COMBINATION TRUCKS. -- Five in service, located as follows: One in city proper, one in East Boston, one in South Boston, one in Charlestown, and one in Dorchester.

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Bosto	
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one	
Dorchester,	
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One	
s follows:	
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located	
n service,	
ree i	
ur Tb	
WAGONS	
COMBINATION	arlestown.
	5

Number.	Location.	Built by				Put in Service.	rvice.	Capacity.
1	1 Dorchester ave., Ashmont Charles T. Holloway Chemical and Hose	Charles T. Holloway	Chemical	and He	ose	March,	1892	Gals. 70
2	Fourth st., South Boston	,,	"	;	::	May,	1893	02
3	Andrew sq., South Boston Fire Extinguisher Mfg.Co.	Fire Extinguisher Mfg.Co.	**	" La	idder.	" Ladder. Jan.,	1898	70
4	Saratoga, cor. Byron st., E. B., Charles T. Holloway	Charles T. Holloway	"	"	::	Jan.,	1898	70
5	Monument st., Charlestown.	11 11	3	"		Jan.,	1898	70
	Washington st., Dorchester Fire Extinguisher Mfg.Co.	Fire Extinguisher Mfg.Co.	3	:	: ;	Nov. 8, 1898	1898	70
7	Winthrop st., Charlestown	77 77	;	Η ,,	" Hose	April 29, 1898	1898	20
8	8 North Grove st	99 91	1	". I.a	dder.	" Ladder. Nov. 1, 1899	1899	70

FIRE DEPARTMENT.

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WATER-TOWERS. -- Two, located in city proper.

	Location.	Builders.	Put in Service.
1Bulfinch	1 st	Bulfinch st Kansas City Fire Department Supply Co	May 17, 1890
2 Bristol st.	st	I ,, ,, ,, ,, ,,	Dec. 18, 1893

Forty-eight; forty-three for carrying hose, two for jobbing and three for Fire-alarm branch. District öhiefs' CUNGS. sleighs, seven

SPARE APPARATUS. -- Nine steam fire-engines, four hook-and-ladder carriages, three chemical engines, one hose-pung, one salt-pung, five hose-wagons and one fire-boat.

REPAIR-SHOP. - In the repair-shop, one 25-horse-power steam-engine, cylinder, 9 by 31 inches, Putnam Machine Company; 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; four 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 duplex and one Blake pump for feeding boilers, one Knowles triplex pump for testing hose, one patent goose-neck belt drill, one band saw, one circular saw, one moñarch boring machine, together with numerous smaller tools and appliances, and also tools for repairing hose and harness.

Three upright tubular boilers, 100-horse power.

Two dynamos for lighting and fire-alarm, one tire upsetter in the blacksmith shop, one No. 2 Blake pump in the hose and harness-shop for testing hose.

NEW APPARATUS PURCHASED DURING THE YEAR.

2 pairs 35-gallon chemical tanks for ladder-trucks.

1 large-sized hose-wagon.

1 combination ladder and chemical engine.

Amount of hose purchased and condemned during the year:

Purchas	ed.	Conde	emned.
Leading cotton	h, 4,250  feet	8,050	feet.
" rubbe	r, 2,100 "	2,350	"
Chemical,	2,000 "	850	"
Suction,	76 "	58	"
Totals,	8,426 "	11,308	"

Amount of hose in use and in store February 1, 1900.

In	use.		In store.
Leading cotton,		feet.	7,200 feet.
" rubber,	8,450	"	2,600 "
Chemical,	8,950		1,200 "
Suction,	946	"	152 "
Totals,	96,396	"	11,152 "

## HORSES.

Purchased during the year		•		43
Sold an amplement				18
Died				3
Killed for cause				7
Number in the department				350

# CITY DOCUMENT NO. 15.

BUILDINGS.	•9381	No damage. Slight damage. Considerabledan	53 96 13	52 73 9	62 88 13	58 87 14	75 96 15	78 111 15	55 67 10	49 57 5	45 48 4	50 60 10	52 85 15	55 97 16	884 965 139
1	.smr.	Needless assibasy	61	12	12	16	~ ~	2	17	13	15	14	17	10	75 6
	.81	Extended to othe		:0	ŝ	9	п	9	ŝ	÷	67	-	10	9	52 1
	.szail	olind of beathaoO	155	123	155	134	160	197	126	112	92	120	143	156	1.673
.		.uus	36	76	112	91	112	170	85	02	65	76	85	68	1,125
A LARMS.	ph.	Needless.	∞	ō	7	15	ŗ0	67	9	9	Ξ	80	4	14	91
ALA	Telegraph.	False.	<u> </u>	1	ŝ	÷	5	4	÷	:	67	ŝ	ŝ	67	8
	Tel	Fire.	96	72	125	112	127	163	82	76	69	81	103	66	1.204
N C.E.		.etents.	\$303,398	520,800	945,972	183,592	255,578	467,100	668,400	90,150	118,404	313,438	1,155,775	458,800	\$5.571.407
INSUBANCE		Buildings.	\$948,940	1,148,875	1,587,696	942,682	859,912	982, 183	475,474	461,800	464,980	893,222	1,874,434	1,169,600	\$11.809.798
S	2	Contents.	\$58,396	152,217	208,368	29,689	70,028	101,209	53,859	19,666	10,693	60,330	140,150	40,123	\$944.728
Loss.		.szaibling	\$51,709	79,687	146,881	46,750	75,248	55,435	52,762	16,645	18,123	48,632	58,056	35,493	\$685.421
		.IstoT	197	154	247	218	249	339	173	152	147	168	195	204	2.443
		Accidental.		I	1	:	÷	÷		:	:	:	:		5
EIVE	m.	.атоияаU		ч	~	÷	4	67	-		5	1	6	60	18
RECI	Whom	Automatic.	-1	80	6	œ	5	4	9	Π	10	80	6	15	100
ALARMS RECEIVED	From	.anstitiO	156	125	202	186	203	275	143	118	108	129	156	158	1.959
AL		Police.	25	17	20	15	24	41	18	16	19	$^{20}$	24	18	257
		Members.		67	п	80	15	14	9	-	2	6	4	10	16
		Fire patrol.	<sup>50</sup>	:		-	-	00	÷	:	-	-			9
		1899-1900.	1899. February	March	April	May	June	July	August	September	October	November	December	1900. January	Totals

18

CAUSES OF FIRES AND ALAR				RUAR	¥ 1, 1	1899,
to Februa	$\mathbf{R}\mathbf{Y}$	1, 190	00.			
Alarms, accidental, automatic		•				81
" false				•		23
" out-of-city						24
Accidental breaking of box						2
Ashes, hot, in wooden receptad	cle					28
Back draft						1
Boys setting off cannon cracke	ers					1
Boiling over of fat or tar .						<b>34</b>
Bonfires, grass, rubbish, etc., s	set k	v bov	s .			283
Careless use of lamps, candles	. etc	5 5				58
" " " pipes and ciga	rs ir	n smol	ting			34
" " fire						3
" " blow-pipe.						1
Chimneys, soot burning .	•				·	$9\overline{7}$
" defective	•	•	•		·	32
" overheated .	•	•	•	•	•	6
Chinaman being robbed .	•	•	•	·	·	ĭ
Clothes too near stove .	•	•	•	•	·	10
Defective flue	•	•	•	•	•	6
	·	•	•	•	•	3
stove-pipe .	·	•	•	•	•	6
grate or mephate	•	•	•	·	•	$\frac{0}{2}$
rumaoo	•	•	•	•	•	$\frac{2}{2}$
sprinkier .	·	•	•	•	•	20
Electric motor igniting car	•	•	·	•	·	$\frac{20}{37}$
" wires .	:	· ·	•	•	·	9
Explosion and ignition of che	mica	JIS .	·	•	·	
Fireworks	•	•	•	•	·	$61 \\ 7$
Friction	•	·	•	•	•	$\frac{7}{2}$
Fumigating	·	·	•	•	•	$\frac{2}{2}$
Gas, explosion of	•	·	·	•	•	$\frac{2}{3}$
" ignition of leaky pipes	•	•	•	•	·	
" jet setting fire	•	•	•	•	•	58
Incendiary	•	•	•	•	•	43
" supposed .	•	•	•	•	•	18
Lamp explosion	•	•	•	•	•	69
" upsetting and breaking	•	•	•	•	•	116
Light mistaken for fire .	•		•	•	•	16
Lightning	•		•	•	•	1
Matches and rats			•	•	•	29
" " children .	•		•	•	•	87
" careless use of .	•		•			138
Meat burning on stove .						3
Naphtha, careless use of, and i	ionit	ion				11

Oil stove, careless	use of	, and	explo	sion			=.	67
			<u>،</u> ۲					10
Overflow of sewer-	nine							1
Plastering, drying	P-P-							$\overline{5}$
Overheated boiler of	or stee	m-nii	• ne	•	•	·	•	11
" coke	5000	un bil	po	•	·	•	•	2
" motor	•	•	•	•	•	•	•	1
motor	·	•	•	•	•	•	. •	5
0 ven	• •	•	•	·	•	•	•	
SLOVE 0.			•	·	•	•	•	67
Rekindling of ruin	s of pi	eviou	is fire	•	• •	·	•	4
Plumber's stove up	settin	g	•	·	•	•	•	6
Slacking of lime	•	•	•	•	•	•	•	3
	•	•	•	•	•	•	•	42
" stove or fu			•		•			47
Sparks from anothe	er fire							24
" " furnac	e or s	tove						<b>26</b>
" " chimn								34
" " forge	•							6
" " a flasl						•	Ī	ĩ
" " engine			tivo	•	•	·	•	$7\overline{6}$
Spontaneous combi			0176	•	·	•	•	57
	istion	•	•	·	•	•	•	5
Steam escaping	•	•	•	•	·	•	•	
Street fight		•	• • • •	· "	•	•	•	1
"Stop thief," mista	iken fo	or cal	l of "	fire "	•	•	•	1
Testing-box .	·	•	•	•	•	•	•	1
Trench caving in	•	•	•		•	•	•	1
Unknown .			•				•	439
Upsetting of stove				•				2
Use of kerosene to	light :	fire	•					$^{2}$
Water-pipes, thawing	ngout			•				26
Wood drying in ov								$^{2}$
10								
Total .								2,443
roun .	•	•	• •	•	•	•	•	-,110
Tatal number of a	4							0 1 9 0
Total number of ac			•	•	•	•	•	2,130
Confined to one bu		•	•	•	•	•	•	1,673
Extended to others		•	•	•	•	•	•	52
Wharves, vessels, g	grass,	etc.	•	•	•	•	•	405
Out of the city	•	•	•	•	•		•	24
		Build	dings.					
Slightly damaged								965
Considerably damag	red							139
Totally destroyed				-				37
Not damaged .				-	•		•	684
	•	•	•	•	•	•	•	001

#### Extinguished by

Extinguisher	·s .	•		•	•	•		•	469
Buckets of v									252
Chemical eng	rines		•	•					407
Hydrant stre	am	•		•			•		222
Steamers .						•			386
Miscellaneou	s, bro	oms,	stamp	oing c	out an	d smo	otheri	ng,	118
Citizens .			•	•	•	•		•	273
Sprinklers		•	•		•	•		•	3
-								-	
Total									2,130

#### ALARM BELLS.

The Fire-alarm Telegraph is connected with the following bells :

- Adams School-house, Sumner street, East Boston, steel, 2,995 lbs., owned by city.
- Bunker Hill School-house, Charlestown, composition, 2,009 lbs., owned by city.
- City Hall, Charlestown, composition, 3,600 lbs., owned by city.
- Engine-house No. 16, Temple street, Dorchester, composition, 4,149 lbs., owned by city.
- Engine-house No. 17, Meeting House Hill, Dorchester, composition, 4,000 lbs., owned by city.
- Engine-house No. 19, Mattapan, Dorchester, composition, 2,927 lbs., owned by city.
- Engine-house No. 20, Walnut street, Dorchester, composition, 3,061 lbs., owned by city.
- Engine-house No. 28, West Roxbury, composition, 4,000 lbs., owned by city.
- Engine-house No. 29, Brighton, steel, 1,535 lbs., owned by city.
- Engine-house, Mt. Vernon street, West Roxbury, steel, 1,000 lbs., owned by city.
- Engine-house No. 34, Brighton, composition, 1,501 lbs., owned by city.
- Engine-house No. 40, Orleans street, East Boston, composition, 817 lbs., owned by city.
- Engine-house No. 41, Allston, composition, 900 lbs., owned by city.
- Engine-house No. 45, Roslindale, composition, 1,059 lbs., owned by city.
- Lewis School-house, Dale street, Boston Highlands, composition, 3,104 lbs., owned by city.

. . .

- Maverick-street Church, East Boston, composition, 2,000 lbs.
- Princeton-street School-house, East Boston, composition, 2,470 lbs., owned by city.
- Saratoga-street M. E. Church, East Boston, steel, 1,968 lbs., owned by city.
- Warren School-house, Charlestown, composition, 3,000 lbs., owned by city.
- Winthrop School-house, Charlestown, composition, 3,000 lbs., owned by city.

Bells owned by the city, which have been disconnected from service, are located as follows:

- Berkeley Temple, composition, 2,941 lbs. Formerly used on Quincy School-house.
- Chapman School-house, steel, 3,109<sup>1</sup>/<sub>2</sub> lbs., taken down and stored by Public Buildings Department.
- Engine-house No. 1, Dorchester street, South Boston, composition, 2,911 lbs.
- Engine-house No. 2, composition, 800 lbs.
- Engine-house No. 18, Harvard street, Dorchester, composition, 3,184 lbs.
- Engine-house No. 21, Boston street, Dorchester, composition, 3,026 lbs.
- Faneuil Hall, steel, 5,816 lbs.
- Hook-and-ladder House No. 4, Dudley street, Boston Highlands, composition, 3,509 lbs.
- Lawrence School-house, B street, South Boston, steel, 3,400 lbs.
- Lincoln School-house, Broadway, South Boston, composition, 3,110 lbs.
- Smith-street School-house, Highlands, composition, 4,083 lbs.
- Ticknor School-house, Dorchester street, Washington Village, steel, 2,995 lbs.
- Trinity Church, Trenton street, East Boston, composition, 1,760 lbs. Formerly used on Castle-street Church.

Van Nostrand's Brewery, Charlestown, composition, 818 lbs. Formerly used on Boylston School-house.

Wells School-house, Blossom street, composition, 1,675 lbs.

#### PUBLIC CLOCKS.

The following public clocks, thirty-eight in number, are taken care of by the Fire Department:

## City Proper.

Arlington-street Church. Charles-street Church. Christ Church, Salem street, owned by city. Commercial Wharf. Odd Fellows' Hall, Tremont street, owned by city. Old South Church, owned by city. Old State House, owned by city. Park-street Church. Suffolk County Jail, owned by city. St. Stephen's Church, Clark street, owned by city. Shawmut-avenue Church. Tremont M. E. Church, owned by city. Young Men's Christian Union, owned by city.

#### South Boston.

Gaston School-house, owned by city. Lincoln School-house, owned by city. Phillips Church, owned by city. St. Augustine Church, Dorchester street, owned by city. Ticknor School-house, Washington Village, owned by city.

#### East Boston.

Central-square Church. London-street Church, owned by city. Lyceum Hall, owned by city. Trinity Church, owned by city. Orient Heights Church, owned by city.

#### Boston Highlands.

Winthrop-street Church, owned by city. West End stables, Tremont street, owned by city.

#### Dorchester.

Baker Memorial (Upham's Corner), owned by city. Neponset Church. Tileston School (Mattapan), owned by city. Unitarian Church (Milton Lower Mills).

## Charlestown.

Bunker Hill Church. City Hall, owned by city. Harvard Hill Church. High School-house, owned by city. Unitarian Church.

## West Roxbury.

Dr. Strong's Church. Unitarian Church. Congregational Church (Roslindale), owned by city.

## Brighton.

Bennett School-house, owned by city.

The following Fire-alarm boxes are private property: 115, 149, 152, 161, 163, 164, 165, 212, 227, 228, 244, 271, 279, 281, 283, 299, 342, 358, 422, 442, 443, 445, 446, 447, 448, 449, 495, 511, 533, 617, 619, 623, 624, 629, 698, 711, 714, 715, 716, 718, 722, 724, 725, 726, 727, 728, 729, 731, 732, 733, 735, 737, 738, 739, 741, 742, 744, 745, 746, 755, 758, 759, 762, 766, 767, 769, 773, 778, 779, 789, 791, 792, 793, 794, 795, 797, 799, 816, 828, 838, 842, 864, 865, 919, 927, 967, 969, 971, 974.

Your obedient servant,

HENRY S. RUSSELL, Commissioner.

# ANNUAL REPORT

OF THE

# FIRE DEPARTMENT

FOR THE

# YEAR 1900-1901



BOSTON MUNICIPAL PRINTING OFFICE. 1901

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ANNUAL REPORT

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# FIRE DEPARTMENT

FOR THE

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BOSTON MUNICIPAL PRINTING OFFICE 1901

20ston - Time Determent. -----Dec. 12. 193

12:11

## FIRE COMMISSIONER, BRISTOL STREET, BOSTON, February 20, 1901.

HIS HONOR THOMAS N. HART, Mayor:

SIR, - No radical change has been made in this Department during the last year; the practice of strengthening, as far as possible, the present locations by equipment, rather than by the building of new houses for new companies, has been followed; and, in my opinion, should be adhered to for some years to come, inasmuch as the present Department is sufficient to provide reasonable protection in the various districts; and it does not seem fair to expect the City to furnish engine and ladder companies for the purpose of providing the outlying districts with that protection which is necessary to prevent conflagrations in the business quarters. While the losses on buildings during the year have been some \$170.000 less than those of 1899, the losses on contents have exceeded those of 1899 by some \$240,000; which figures may show the effect of large streams of water, without which a conflagration has the advantage. It is a source of congratulation that no fire has "got away" from the Department, although we are well aware that the dreaded conflagration may at any time assume proportions not reached of late.

Our Roll of Merit contains the names of:

N. L. Hussey					Engine 23.
E. H. Sawyer					Ladder 4.
E. H. Sawyer					<b>··</b> 4.
J. F. Bailey .					Ladder 17.
Eugene Rogers					- " 1.
Captain Peter (	Cal	lah	an		Engine 4.
Lieut. J. A. Ke					Chemical 1.
T. J. Heffron					Engine 4.
J. E. Downey					<i></i> 6.
F. F. Leary .					Ladder 12.
Florence Donog					Combination 8.
Captain J. J. O	$^{\circ}C$	onn	$\mathbf{or}$		Engine 7.
Lieut. J. F. Mo					Combination 8.
M. A. Kenealy					Engine 7.
D. Driscoll .					·· 7.
W. H. Magner					Ladder 8.
0					

All of whom have distinguished themselves by exceptionally good work on occasion; but the success in putting out fires, which the Department has attained, has been owing to the perpetual vigilance and uniform zeal of all the officers and men without distinction. Hoseman Herbert Pierce of Engine 42 and Hoseman Patrick J. McCarthy of Engine 8 have died during the year from injuries received while on active duty.

Ninety-six (96) members were injured, and were off duty a total of 2,973 days, an average of 31 days each.

The Fire-Alarm Branch of the Department has continued its good work during the last year, having successfully struck 9,260,476 blows in performing its duty; and no firealarm box has failed in its work of properly transmitting alarms from the street to headquarters.

The new Veterinary Hospital has answered all requirements, no horse, among the 358 employed, having died of disease during the year.

The large self-propelling engines have continued their good service, and certainly are a marked success in dealing with fire through their large streams, while their motive power has proved very effective.

The electric signal, by means of wire inserted through the hose giving direct communication with the engine, has proved of much service in preventing the delay necessary when water has to be called for by messenger, it having been adopted for 10 engines in the City proper. The adoption of rubber tires has greatly increased the ease of travel of apparatus, as well as saved much wear and tear, and their further adoption will be continued as fast as practicable.

The adoption of outside standpipes on high buildings does not progress as fast as the interests of property would seem to demand; while fire-escapes, where built, are often of a character to insure disaster to those citizens of ordinary vocations who may be required to use them; in my opinion, the best outside escape is that at present attached to the Franklin School on Waltham street.

Besides the danger from the many well known fire-traps throughout the city, the large buildings of iron construction, when used for the storage of wool and other combustible material, add, in my opinion, to the gravity of the situation by their readiness to twist and fall when subjected to severe heat, and thus become a menace to a fire department.

The wooden villages springing up in the country districts continue to offer ready fuel for the flames; but as long as owners prefer to oppose all attempts to extend the lines on which brick buildings must be built, the Fire Department and insurance companies must stand in the gap as best they can.

#### Organization.

Commissioner, HENRY S. RUSSELL; term expires May, 1901.

Secretary, BENJAMIN F. UNDERHILL.

Chief of Department, LEWIS P. WEBBER.

Assistant Chief, WILLIAM T. CHESWELL.

Second Assistant Chief and Chief of District No. 6, JOHN A. MULLEN.

Superintendent of Fire-alarms, BROWN S. FLANDERS.

Assistant Superintendent of Fire-alarms, CYRUS A. GEORGE.

Superintendent of Repair-shop, HENRY M. HAWKINS.

Assistant Superintendent of Repair-shop, EUGENE M. BYINGTON.

Hydraulic Engineer, GREELY S. CURTIS.

Veterinary Surgeon, GEORGE W. STIMPSON.

Medical Examiner, RUFUS W. SPRAGUE.

Purchasing Officer, CHARLES A. STRAW.

Storekeeper, GEORGE R. KNIGHT.

Foreman of Hose and Harness-shop, PATRICK B. HANNON.

Consulting Electrician, HENRY F. COTTLE [absent]. Master Carpenter, THOMAS C. HANEY.

## CITY DOCUMENT NO. 15.

## CLERKS.

# William E. Delano, M. J. Lafferty, George F. Murphy, James P. Maloney, D. J. Quinn.

## District Chiefs.

Headquarters,	Ladder-house	2
	44	9
•	÷4	8
	Engine-house	4
"	· · ·	26
	٤.	22
"	Ladder-house	12
"	"	4
"	Engine-house	<b>18</b>
		41
"	**	28
		" " " " " " " " " " " " " " " " " " "

## FORCE AND PAY-ROLL, FEBRUARY 1, 1901.

Commissioner						\$5,000	$\mathbf{per}$	annum.
Secretary .				•		2,500	"	""
Chief of Departme	$_{ m ent}$					3,500	"	"
First Assistant Cl	nief					2,400	"	"
Second "	"					2,200		"
Superintendent of	Fire-	alarm	s			3,200		
Assistant Superin					s.	2,000	"	
Superintendent of					<i>.</i>	2,000		د.
Asst. Superintend	ent of	Repa	r ir-shc	n	Ì	1.800		66
Hydraulic Engine		F.		r .		1,600	"	"
Veterinary Surgeo						2,000		"
Medical Examiner						900		"
Purchasing Office				•		1.600		"
Foreman of Hose					•	1,400		"
Storekeeper .			35 0110	ΥP	•	1,400		"
		•	•	•	•	1,100 1,300	"	"
Master Carpenter		•	•	•	•	1,500		44
Bookkeeper .		•	•	•	•	1,400		
3 Clerks .		·	•	•	٠			
1 Clerk		•	•	•	•	1,100		
11 District Chie	fs	•	•	•	•	2,000		"
53 Captains	·	•	•	•	·	1,600		
66 Lieutenants	•	•	•	•	·	1.400		"
47 Engineers	•	•	•	•	•	1,300		"
40 Assistant En	gineer	s	•	•	•	1,200		"
1 "	"	•		•		$1,\!100$	"	""

4

			470	Perm	anent 1	nen.				
,	356	$\mathbf{at}$						1,200	$\operatorname{per}$	annum.
	37	$\mathbf{at}$						1,100	<b>~</b> • •	"
	30	at						1,000	"	"
	27	$\operatorname{at}$						900	"	"
	20	$\mathbf{at}$						720	"	"
			83 C	all-m	en.					
	1	at						325	"	"
	<b>14</b>	at						250	"	"
	68	at						200	44	"
	11	Ch	iefs'	Drive	ers			1	75	per day.
	2	W	atchr	nen						annum.
	3	He	ostler	s (av	erage)					per day.
			orsest					3	00	"

## FIRE-ALARM FORCE.

6	Operators			\$1,600 per annum.
3	Assistant Operators			1,200 " "
1	Foreman of Construction	•	•	1,800 " "
17	Repairers (average)			2 94 per day.

## REPAIR-SHOP EMPLOYEES.

1 Sanitary Engi	ineer			. 5	\$1,300	per ar	mum.
1 Engineer						<b>^</b> 00 pe	
1 Assistant Eng	gineer					$50^{\circ}$	"
1 Painter .					3	75	"
1 " .					2	50	"
2 Wheelwrights					3	25	"
4 Machinists					3	25	**
1 Machinist					3	00	"
2 Blacksmiths					3	50	"
1 Blacksmith					3	25	
3 Blacksmiths'	helper	s			2	50	"
1 Hose and har	ness-re	epaire	r		1	50	"
5 Laborers (ave	rage)	•			2	04	44

863 Total force.

# FORCE AND PAY-ROLL, FEBRUARY 1, 1900.

Commissioner .			\$5,000	per	annum.
Secretary			$2,\!400$		"
Chief of Department	· .		3,500	"	"
First Assistant Chie:	f.		2,400	"	"
Second "			2,200	"	"'

Supe	erintend	ent o	f Fire-	alarn	ns			3.200	per	annum.
	istant S					e-alar	ms.	2,000		"
Sup	erintend	ent o	f Repa	ir-sho	ac			2,000		"
Asst	. Super	intend	lent of	f Rep	air-sl	qor		1,600		٠.
Hvd	raulic F	Ingin		. 1				1,400		"
	erinary \$							2,000		"
	ical Exa							600		"
	chasing							1,600		"
	man of			Iarne	ss Sl	op		1,400		"
	ekeeper							1,400		"
1	Clerk							1,500		66
1	"							1,200		"
2	"							1,100		"
1	"							1,000		"
	District	Chie	$_{\rm fs}$					2,000		66
	Captain							1,600		"
	Lieuten							1,400		"
	Engine							1,300	"	"
$\overline{43}$	Assista	nt En	gineer	s				1,200		"
3	"		°					1,000	"	"
	459	Perm	ment	men.				_,		
341								1,200	"	"
42								1,100	"	"
	at .	•						1,000	"	"
								900	"	"
								720	"	46
		all-me								
1	at .	,.						325	"	"
18	at .							250		66
	at .							200		66
	Drivers	for A	ssista	nt Cl	niefs			1	$75 \mathrm{r}$	ber day.
	Drivers							1		
	Watchn							1.000	per	annum.
	Hostler		rage)							ber day.
	Horsesh								00	
			Firi	E-AL	ARM	FOR	CE.			
ß	Onerato	re						\$1,600	ner :	mnnm
୍	Operato Assista:	$\frac{13}{10}$ nt On	• erstor			•	·	1,200	201 0	44 44
1	Assistar	$\frac{10}{10}$	orator	3	·	•				er day.
	Forema					•	•	1,800	nera	nnum
	Repaire:					•	•	1,000	93 r	er day.
L	repare.	is (av	orage	,	·	·	•	-	0 <b>0</b> p	er uaj.
		т								

# REPAIR-SHOP EMPLOYEES.

1	Sanitary Engineer		. \$1,300 per annum.
1	Engineer .		. <u>3</u> 00 per day.

1 Assistant Eng	gineer				2	$50\mathrm{pe}$	erday.
1 Painter .	•				3	75	"
1 " .					2	50	"
2 Wheelwrights					3	25	"
4 Machinists					3	25	"
2 "					3	00	"
2 Blacksmiths					3	50	"
1 Blacksmith					3	25	٠.
1 "					2	50	"
2 Blacksmiths'	helpei	's			2	50	6.
1 Hose and Har			er		1	50	"
4 Laborers (ave		•			<b>2</b>	10	"

854 Total force.

#### FIRE DISTRICTS.

The city is divided into twelve fire districts, as follows :

#### District 1.

All that part of Boston known as East Boston.

## District 2.

All that part of Boston formerly known as Charlestown.

## District 3.

The territory bounded on the north and east by the water front, on the south by Summer street, and on the west by Washington and Charlestown streets.

## District 4.

The territory bounded on the north by the Charles river, on the east by Charlestown and Washington streets, on the south by Winter, Park, and Beacon streets, and on the west by the Charles river and Berkeley street.

## District 5.

The territory bounded on the north by Beacon, Park, Winter and Summer streets, on the east by Fort Point channel, on the south and west by Broadway, Way, Motte, Castle, and Ferdinand streets, Columbus avenue and Berkeley street.

## District 6.

All that part of Boston known as South Boston, and running south as far as Dorset and Locust streets.

## District 7.

The territory bounded on the north by Berkeley street, Columbus avenue, Ferdinand, Castle, Motte, and Way streets and Broadway, on the east by Fort Point channel and South bay, on the south by Massachusetts avenue, and on the west by the Charles river.

## District 8.

The territory bounded on the north by the Charles river and Massachusetts avenue, on the east by Washington street, on the south by Atherton and Mozart streets, Chestnut avenue, Sheridan and Centre streets, Hyde square, Perkins, Catalpa and Castleton streets, across Jamaicaway to the Brookline line, and on the west by the Brookline line, Beacon and Deerfield streets.

## District 9.

The territory bounded on the north by Massachusetts avenue, South bay, Dorset and Locust streets, on the east by Dorchester bay, on the south by Freeport, Hancock, Bowdoin, and Quincy streets, Columbia road, and on the west by Seaver street, Columbus avenue and Washington street.

## District 10.

That part of Dorchester bounded on the north by Seaver street, Columbia road, Quincy, Bowdoin, Hancock, and Freeport streets, on the east by Dorchester bay, on the south by the Neponset river and the Hyde Park line, and on the west by Harvard street and Blue Hill avenue.

#### District 11.

All that part of Boston known as Brighton and extending east as far as Deerfield and Beacon streets.

### District 12.

All that part of Boston known as West Roxbury, bounded on the north by a line from the Brookline line across Jamaicaway to Castleton street, through Castleton, Catalpa, and Perkins streets, Hyde square, Centre and Sheridan streets, Chestnut avenue, Mozart, and Atherton streets, Columbus avenue and Seaver street, on the east by Blue Hill avenue and Harvard street, on the south by the Hyde Park and Dedham lines, and on the west by the Newton and Brookline lines.

In all cases where streets are designated as boundaries, the centre of the street will be the dividing line.

## Assignment of Districts.

Each district is placed under the charge of a District Chief, as follows:

		COMPANIES IN DISTRICTS.								
District.	Chief in Command.	Engines.	Chemical Engines.	Hook and Ladders.	Combination Companies.	Water Towers.				
1	John F. Ryan	5, 9, 11, 40	7	* 2	4					
2	C. H. W. Pope	27, 32, 36	9	*9	5, 7					
3	Joseph M. Garrity	8, 25, 31, 44		* 8, 14						
4	Peter F. McDonough	* 4, 6, 10	1	1	8	1				
5	Nathan L. Hussey	7, * 26, 35	2	17						
6	John A. Mullen	* 1, 2, 15, 38, 39, 43	8	5	2, 3					
7 <b>:</b>	Patrick E. Keyes	3, *22, 33	4	3, 13, 15		2				
8	John Grady	13, 14, 37	3, 12	* 12						
9	Edward H. Sawyer	12, 21, 23, 24	10	* 4	6					
10	Williston A. Gaylord	16, 17, * 18, 19, 20		6, 7	1					
11	Hiram D. Smith	29, 34, * 41	6	11						
12	Lewis P. Abbott	* 28, 30, 42, 45	5	10, 16	9					

\* Headquarters of District Chief.

The following property is in charge of the Fire Commissioner:

Location.	No. of feet in lot.	Assessed Valuation.	Occupied by
Dorchester st	5,698	\$25,800	Engine 1.
Corner of O and Fourth sts	4,000	16,400	Engine 2.
Bristol street and Harrison ave	4,000	30,000	Engine 3 and Ladder 3.
Bulfinch st	6,098	90,000	Engine 4, Chemical 1 and Tower 1.
Marion st., East Boston	1,647	9,000	Engine 5.
Leverett st	2,269	35,000	Engine 6.
East st	1,893	35,400	Engine 7.
Salem st	2,568	18,300	Engine 8.

## Houses.— Continued.

mouse			
Location.	No. of feet in lot.	Assessed Valuation.	Occupied by
Paris st., East Boston	4,720	28,600	Engine 9 and Ladder 2.
River st	1,886	19,600	Engine 10.
Saratoga and Byron sts., East Boston,	10,000	37,500	Engine 11 and Combina- tion 4.
Dudley st	7,320	24,900	Engine 12.
Cabot st	4,832	16,000	Eugine 13.
Centre st	5,713	14,600	Engine 14.
Dorchester ave	2,843	18,700	Engine 15.
River st., Dorchester District	12,736	18,500	Engine 16 and Ladder 6.
Meeting House Hill, Dorchester Dis- trict	9,450	17,300	Engine 17 and Ladder- house 7 on this lot.
Harvard st., Dorchester District	9,440	17,800	Engine 18.
Norfolk st., " "	7,683	14,200	Engine 19.
Walnut st., " "	9,000	9,200	Engine 20.
Columbia road, " "	12,661	18,300	Engine 21.
Northampton st	3,445	13,200	Engine 23. •
Corner Warren and Quincy sts	4,186	18,100 .	Engine 24.
Fort Hill sq	4,175	77,700	Engine 25, Ladder 8 and Ladder 14.
Mason st	5,623	113,000	Engine 26 and Engine 35.
Elm st., Charlestown District	2,600	18,000	Engine 27.
Centre st., Jamaica Plain	10,377	28,300	Engine 28 and Ladder 10.
Chestnut Hill ave., Brighton District,	14,358	37,200	Engine 29 and Ladder 11.
Centre st., West Roxbury District	12,251	24,700	Engine 30 and Combina- tion 9.
Bunker Hill st., Charlestown District,	8,188	26,200	Engine 32.
Corner Boylston and Hereford sts	5,646	66,000	Engine 33 and Ladder 15.
Western ave., Brighton	4,637	17,800	Engine 34.
Monument st., Charlestown District	5,668	21,000	Engine 36 and Combina- tion 5.
Cor. Longwood and Brookline aves	5,400	12,600	Engine 37 and Chemical 3.
Congress st	4,000	34,000	Engine 38 and Engine 39.
Sumner st., East Boston	4,010	18,000	Engine 40.
Harvard ave., near Cambridge st., Brighton District	6,112	25,500	Engine 41 and Chemical 6.
Washington, between Atherton and Beethoven sts	3,848	22,900	Engine 42 and Chemical 5.
Andrew sq.	5,133	20,100	Engine 43 and Combina- tion 3.
Washington, corner Poplar st. Roslindale		18,700	Engine 45 and Ladder 16.
Church st	3,412	23,600	Chemical Engine 2.
Shawmut ave	889	5,700	Chemical Engine 4.

Location.	No. of feet in lot.	Assessed Valuation.	Occupied by
Chelsea st., East Boston	1,346	10,400	Chemical Engine 7.
B st	1,804	7,800	Chemical Engine 8.
Eustis st	1,754	7,600	Chemical Engine 10.
Friend st	1,676	32,400	Ladder 1.
Dudley st	3,923	25,900	Ladder 4.
Fourth st	2,469	See Engine 1.	Ladder 5.
Main st., Charlestown	4,290	18,000	Ladder 9 and Chemical 9.
Tremont st	4,350	25,700	Ladder 12 and Chemical 12.
Washington, near Dover st	1,007	13,100	Ladder 13.
Harrison ave	2,134	25,500	Ladder 17.
Dorchester ave., Ashmont	4,875	22,400	Combination 1.
Fourth st	3,101	11,000	Combination 2.
Washington st., Dorchester	6,874	21,400	Combination 6.
Winthrop st	3,000	13,200	Combination 7.
North Grove st	3,918	18,000	Combination 8.

Houses. - Concluded.

A	ssessed Valua	tion.
Fuel-house, Dorchester street, 1,610 feet of		
land	\$3,300	00
Fuel-house, Salem street, 417 feet of land .	3,200	00
Fuel-house, Main street, Charlestown, 2,430		
feet of land	7,000	00
Headquarters building and repair-shop, corner		
of Albany and Bristol streets, 23,663 feet.	185,000	00
Engine No. 22, Water Tower No. 2 and		
Wrecking Wagon are in Headquarters		
building.		
Veterinary Hospital, Atkinson street, 64,442		
feet of land	$39,\!110$	00
7,500 feet of land on Warren avenue	18,600	00
Partially erected house for Engine 22, cost to		
date	$24,\!388$	22

Engine Companies.

	size.	11	5.6	3	3	"	11	"	:	;;			;;		3	4.6
	Second size. Third "	First	"	Second	First		Second	11	11	11	11	"	. 11	First	Second	11
Stroke.	ь x	000	8	<b>x</b> 0	80	x	8	8	8	30	x	-	8	80	ary.	
Diameter of Pump.	10.4	0 <sup>°</sup>	5.	4	45	5.	4 <u>,</u>	$4_{3}^{1}$	41	44	47	<u>م</u>	48	20°	m Rot	44
Diameter of Cylinder.	fs S	ຶດ	G	782	da L	°0	$\frac{2}{5}9$	74	64	64	79	80	icht L	°6		$6\frac{4}{5}$
Put in Service.	1, 1890		22, 1893		1900	1895	30, 1896	14, 1872	1, 1882	9, 1873	27, 1882		17, 1870	1893	8, 1890	1886
Puth	April Nov	Aug.	Feb.	N0V.,	Nov.	Jume.	March	Oct.	March	April	March	April	Sept.	Feb.	Apr $i$ l	May,
Built by	Clapp & Jones Mfg. Co., Manchester Loco, Works	Clapp & Jones Mfg. Co.,	Eng.	Amoskeag Mfg. Co Formerly Relief B., re-	Loco, Works	American Fire Eng. Co.,	Manchester Loco, Works,	Hunneman & Co.	Manchester Loco. Works,	Amoskeag Mfg. Co	Manchester Loco. Works,	Clapp & Jones Mfg. Co.,	Amoskeag Mfg. Co	American Fire Eng. Co.,	Silsby Mfg. Co	Amoskeag Mfg. Co
Location.	Dorchester, near Fourth, S. B., Fourth. cor. O. South Boston	Harrison ave., cor. Bristol st	Bulfinch st.	Marion st., East Boston Leverett st		East st	Salem st	Paris st., East Boston	Mount Vernon, cor. River st	Saratoga, cor. Byron st., E. B.,	Dudley st.	Cabot st.	Centre st.	Dorchester ave, and Broadway,	Temple st., Dorchester	Meeting House IIII, Dorchest'r, <sup>1</sup>
No.	- 8	က	4	<u>ہ</u> ہ		1	œ	6	10	11	12	13	14	15	16	17

# CITY DOCUMENT No. 15.

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Third u u u u u u u	Second " Lutur" Flirst " Extra flirst size. Second size. " " " Third "	2 sets of pumps 4,790 gallons.* Second size, 	Double extra first size. Third size. Second " Double extra first size.	First size. Third " " "	2 sets of pumps 6,520 gallons.* Third size.
201-201-00	ary. ary. 80 187.	10 8 ary. 8	രാരാര ഗ	ary. ary. ary.	10
सरी स में अंध्र क्षेत्र	**************************************	$\frac{9}{R_{ m ot}}$	70 4 4 70 24 4 14 23	51 Rot 88 80 88 80 80 80	$\mathbb{P}.10 \left\{ 4_8^8 \right\}$
0 4 <sup>8</sup> / <sub>6</sub> 4 <sup>8</sup> / <sub>8</sub>	00 F F 30 F F F	$\begin{array}{c} 16\\ 6\frac{1}{8}\\ \cdot \\ 7\frac{5}{8} \end{array}$	7 81 81 81 81 81 81 81 81 81 81 81 81 81	6	12# H. F. 18 L. P.10 7 4 <sup>§</sup>
5, 1890 1891 1891 1890 10, 1893	$\begin{array}{c} 120\\ 12, 1890\\ 24, 1888\\ 1896\\ 1895\\ 1, 1872\\ 1, 1872\\ 1, 1874\\ 1, 1874\\ 9, 1891\\ 9, 1891\end{array}$			$\begin{array}{c} 1,\ 1890\\ 1890\\ 1893\\ 1893\\ 3,\ 1893\\ 3,\ 1893\\ 3,\ 1893\\ \end{array}$	$\frac{1895}{1895}$
Nov., Dec. Nov.,	Jan., Feb. June, July Jan. Oct.	July March Feb. Dec.,	Jan., Dec., March, June,	April Aug., Feb., Feb., March	Ang., Jan.,
Manchester Loco. Works, Clapp & Jones Mfg. Co., Manchester Loco. Works, Clapp & Jones Mfg. Co., Rebuilt by American Fire	Eng. Co Silsby Mfg. Co Clapp & Jones Mfg. Co Manichester Loco. Works, La France Fire Eng. Co Amoskeag Mfg. Co Silsby Mfg. Co Humeman & Co Clapp & Jones Mfg. Co	Clapp & Jones Mfg. Co., Manchester Loco. Works, Silsby Mfg. Co Amoskeag Mfg. Co Manchester Loco. Works,	Self-propeller Manchester Loco, Works, Manchester Loco, Works, Manchester Loco, Works, Self-propeller	Clapp & Jones Mfg. Co., Silshy Mfg. Co., Silshy Mfg. Co., American Fire Eng. Co., Clapp & Jones Mfg. Co.,	American Fire Eng. Co., Ang. st., American Fire Eng. Co., Jan.,
Harvard st., Dorchester Norfolk st., Dorchester Waltut st., Dorchester Golumbia road, Dorchester Bristol st	Northampton st. Warren, cor Quincy st. Fort Hill sq	Central Wharf (spare Fire-boat), Bunker Hill st., Charlestown Boylston st Western ave., Brighton Mason st. ave.	Monument st, Charlestown Longwood ave	Congress st., South Boston Summer st., East Boston Equation ac., Brighton Egleston sq., West Roxbury Andrew sq., South Boston	India Wharf (Fire-boat) Washington, cor. Poplar st. Roslindale
$222 \\ 222 $	$\begin{array}{c} 300 \\$	8, <del>1</del> , 8, 8, 9, 10 8, 7, 10 8, 10 10 10 10 10 10 10 10 10 10 10 10 10 1	36 37 38	39 41 41 41 41 41 41 41 41 41 41 41 41 41	44

\* At 225 revolutions per minute.

13

	Second size.	11 11	LL LL	11 (1	44 44	16 64	First "	Second "	First "	
Stroke.	ž. 	.y.	80	80	8	s	8	Š.	S	
Diameter of Pump.	$4_{3}^{1}$	Rot ary.	-17	sojas T	4	41	5 <u>1</u>	- <del>1</del> oán	5]	
Diameter of Cylinder.	Ľ,	:	$\theta_{\overline{s}}^{\overline{t}}$		38	48 1*	6	7. <b>-</b> 148	6	
Put in Service.	April 26, 1869	1890	1879	1886	1867	1872	1890	1867	1890	agons,
Putip		April,	Dec.,	May,	Nov.,	Sept.,	Nov.,	July,	Aug.,	hose w
Built by	Freeman & Jucket	Silsby Mfg. Co.	Manchester Loco. Works, Dec.,	Manchester Loco, Works,	Amoskeag Mfg. Co	Amoskeag Mfg. Co.	Clapp & Jones Mfg. Co., Nov.,	Manchester Loco. works, July,	Clapp & Jones Mfg. Co., Aug.,	Also five hose wagons,
Location.	Old 8	Old 6		Old 17 (Crane neck) Manchester Loco, Works, May,	Old 4 (Straight frame)	Old 1	Old 25	Old 37	Old 35	-
No.	V		c	D	E	H	t	п		

In Reserve.

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CITY DOCUMENT NO. 15.

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CHEMICAL ENGINES. — Eleven in service, self-acting, located as follows: Three 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.

Number.	Location.	Builders.	Put in Service.	Capacity.
				Gals.
	Bulfinch st	Babeock Manufacturing Co	Oct 1890	100
2	_		April 25, 1874	160
	Longwood ave		July 27, 1874	100
-	Shawnut ave.	Rebuilt by <b>H</b> inman in 1886	$\left\{\begin{array}{l} \text{Used as a spare en-}\\ \text{gine and put in ser-}\\ \text{vice Dec. 20, 1895} \end{array}\right\}$	100
•••••••••••••••••••••••••••••••••••••••	Washington, between Atherton and Bee-	Alternal hy Hinnen	Sout 21 1876	170
	Haward ave near Cambridge et Briehten		May 1, 1876	160
	Chalces et Bact Rocton	17 77	51	100
	_	. 11	1.	160
		ιι	11	100
10	Eustis st	ίιίί	13,	100
12	Tremont st	Charles T. Holloway		80
	Ч	In Reserve.		
A B C	Old Chemical 2	Charles T. Holloway		100 100 100

FIRE DEPARTMENT.

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anies	
Compa	
Ladder	

LADDER TRUCKS.—Seventeen in service, including four 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.

Number of Ladders.	12 12 14 15 17 17 17 17 16 18 14 15 14 14 15 14 14 15 14 15 15 15 15 15 15 15 15 15 15 16 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17
Put in service.	Dec. 20, 1869 June 2, 1886 April 25, 1886 March 3, 1870 Ang. 23, 1898 Ang. 23, 1898 Oct. 6, 1872 Oct. 21, 1870 April 13, 1872 July 31, 1892 July 31, 1892 Jan. 30, 1893 Jan. 30, 1893 April 28, 1888 Sept., 1888
Buliders.	1       Warren sq.         2       Paris st., East Boston.         2       Paris st., East Boston.         3       Paris st., East Boston.         4       Poucley st., Roxbury.         5       Fourth. St., near Dorchester         6       Fourth. St., near Dorchester         7       Meeting House Hill.         7       Meeting Ilouse Hill.         8       Bout Joint st., Dorchester         10       Contre St., Jannica Plain.         11       St.         12       Meeting Ilouse Hill.         13       Meeting Ilouse Hill.         14       Eort Jlill sq.         15       Meeting Ilouse Hill.         16       Charlester         17       Repairter St., Jannica Plain.         18       Evereich & Co., N.Y.         19       Checken Lilla sq.         10       Checken Lilla sq.         11       Evereich & Co., N.Y.         12       Tremout st., Roxbury.         13       Washington st., near Dover         14       Fort Hill sq.         15       Washington st., near Dover         16       Boylston st., near Dover         16       Boylston st.
Location.	Warren sq
Number.	1 2 % 4 7 7 7 8 0 0 11 5 18 4 5 19 5 1

# CITY DOCUMENT NO. 15.

áx.

Construction one in South Boston, and one in Construction, and one in Construction Wadows. — Three in service, located as follows: One in Dorchester, one in South Boston, and one in Charlestown. — Location. — Built by
Cutartestown, Number, Location,

Ladder Trucks.-In Reserve.

# FIRE DEPARTMENT.

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WATER-TOWERS. - Two, located in city proper.

1       Bulfineh st       Kansas City Fire Department Supply Co         2       bristol st       "       "       "       "	Number.	. Location.	Builders.	Put in Service.
11 II I	1	Bulfinch st	Kansas City Fire Department Supply Co	May 17, 1890
	2	Bristol st		Dec. 18, 1893

PORTABLE EXTINGUISIDERS. — Carried on all of the ladder trucks and hose-wagons and located in the Department houses. FUEL-WAGONS. - Thirty-nine, each capable of conveying about two tons.

District chiefs' Wagows. -- Seventeen for chief of Department and district chiefs (fourteen in service and three in reserve) and one buggy. Forty-eight; forty-three for carrying hose, two for jobbing and three for Fire-alarm branch. PUNCS. -

SPARE APPARATUS. -- Nine steam fire-engines, four ladder trucks three chemical engines, one lose-pung, one salt-pung. five hose-wagons and one fire-boat. sleighs, seven.

lathe, 10-ft. bed; one No. 2 hpright drill; four 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 duplex and one Blake pump for feeding boilers, one Knowles triplex pump for testing hose, one 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 REVAU-SHOP. — In the repair-shop, one 25-horse-power steam-engine, cylinder, 9 by 31 inches, Putnam Machine Company; patent goose-neek 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.

Three upright tubular boilers, 100-horse power.

Two dynamos for lighting and fire-alarm, one tire upsetter in the blacksmith shop, one No. 2 Blake pump in the hose and harness-shop for testing hose

CITY DOCUMENT NO. 15.

NEW APPARATUS PURCHASED DURING THE YEAR.

2 pairs 35-gallon chemical tanks for ladder-trucks.

- 1 large-sized hose-wagon.
- 1 combination ladder and chemical engine.

Amount of hose purchased and condemned during the year:

Purchs	used.	Condemned.
Leading cotto	on, 16,000 feet.	6,500 feet.
" rubb	er,	1,350 "
Chemical,	1,000 "	450 "
Suction,	205 "	56 "
Totals,	17,205 "	8,356 "
rotais,	1,200	0,000 **

Amount of hose in use and in store February 1, 1901.

In use.			In store.
Leading cotton,	80,650	feet.	14,850 feet.
" rubber,		"	1,750 "
Chemical,	9,550	66	1,150 "
Suction,	946	"	201 "
Totals,	98,446	٤.	17,951 "

## Horses.

Purchased during the year			. 48
Sold or exchanged .			. 30
Died			. ,8
Killed for cause			. 7 5
Number in the Department			. 358

# CITY DOCUMENT NO. 15.

	.ezail	find ai ton seriT	6	13	40	21	57	110	82	43	13	24	22	13	393
		Out of city.	1	-	67	ŝ	1	со 	:	÷	57	-	-	63	1
s.	q. is	Totally destroyed	61	-	00	÷	4	9	\$7	5	٦	61	÷	-	29
BUILDINGS.	.9280	Considerable dan	14	14	∞	1-	10	13	Π	5	4	4	14	17	123
CITC:		.926mab tanage.	-22	83	70	5	115	82	59	58	99	84	111	106	980
ñ		No damage.	47	45	65	45	65	77	46	44	37	39	- 58	64	616
	·su.	Needless still ala	Ξ	11	15	15	23	25	19	6	21	14	22	14	199
	•sı	Extended to othe	4	4	:	ŝ	5	ç	67	ic.	57	°.	 	5	40
	.eSuil	olind of bonfinoO	128	131	130	115	176	165	113	101	104	120	175	183	1,641
		.IIIbS	65	8	87	76	148	180	84	្រុ	68	Ľ	106	100	1,143
RMS.	'n.	Needless.	14	11	5	67	12	8	÷	80	s	4	9	4	88
A LARMS.	grap	False.	67	67		5	67	9	5	ŝ	4	÷	4	<i>6</i> 0	33
7	Telegraph.	Fire.	88	78	100	8	116	128	78	85	74	88	117	114	1,147
a.J.N.	ance.	.stratroO	\$675,500	1,242,950	127,050	646,550	395,093	430, 800	284,975	345,875	448,700	226,275	1,031,750	499,006	\$6,354,524
INST	Buildings.		\$615,673	1,432,746	1,142,914	1,242,308	1,245,300	841,900	888,364	640,219	1,337,850	528,969	1,526,450	994,739	\$12,437,432
Dee	• •	.stastaoO	\$75,645	133,066	13,840	118,128	42,121	327,212	82,488	48,323	50,181	30,845	206,533	58,164	\$1,186,546
01	Ť	.szaiblin <b>a</b>	\$41,402	071,740	23,792	41,168	25,445	81,599	42,837	41,547	14,555	19,755	64,689	51,142	\$515,671
		Total.	169	173	194	164	278	322	168	169	154	166	233	221	2,411
ED.		Accidental.	-	÷	÷	÷	į	÷	1	÷	÷	÷	:	÷	-
CEIV	hom.	.п.топ.я́пU	-	-	:	21	-	4	-	ŝ	÷	÷	ಣ	61	16
RE	From Whom.	Automatic.	6		e	5	2	14	10	9	10	6	16	5	115
ALARMS RECEIVED.	Fron	.snsziti)	139	145	160	134	222	244	144	137	123	128	180	191	1,947
IV		Police.	15	ž	<u>5</u> 0	œ	83	44	6	5	18	22	19	18	238
		Members.	00	9	ŝ	x	10	16	4	9		5	15	ŝ	5
		MONTHS. 1900-1901.	1900. February	March.	April	May	June	July	August	September	October	November	December	January	Totals

.

# CAUSES OF FIRES AND ALARMS FROM FEBRUARY 1, 1900, TO FEBRUARY 1, 1901.

Alarms, accidental automa	tie .				98
" false			•		33
" out-of-city					17
Accidental breaking of box					1
Ashes, hot, in wooden rece	ptaele				32
Boiling over of fat or tar	•				31
Bonfires, grass, rubbish, et	c., set by	boys			232
Careless use of lamps, cano	lles, etc.	. `			58
" " " pipes and c	igars in s	smokii	ng		52
Chimneys, soot burning .	•				86
" defective .					30
" falling					1
Hot iron igniting woodwor	k.				5
Clothes too near stove .					<b>19</b>
Defective flue					11
" stove-pipe .					5
" gas-pipe					3
" gas-meter					1
" gas-jet					6
Electric motor igniting car					11
" wires					51
Explosion and ignition of a	hemicals				4
Fireworks					$\cdot 47$
Friction					6
Fumigating					
Gas, explosion of					$\frac{2}{5}$
" ignition of leaky pipes	÷.				7
" jet setting fire					56
Incendiary					35
" supposed .					18
Lamp explosion					58
" upsetting and breaki	ng .				68
" thrown at a person					3
Light mistaken for fire .					22
Lightning					2
Matches and rats					23
" " children .					88
" careless use of .					133
Meat burning on stove .					8
Naphtha, careless use of, an	id ignitio	11			15
Explosion of tank					1
" " boiler					1
" " gunpowder .					1
8 I H H H					

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# CITY DOCUMENT No. 15.

Explosion of e								1
		r heatei		•••	•	•	•	1
Oil stove, care			ex	$\operatorname{plosion}$	•	•	•	76
Glab blore,	"			"				18
Plastering, dry	ving .							6
Overheated bo	oiler or s	steam-pi	pe				•	22
" со	ke .							1
" ov	en .							5
" st	ove or f	urnace						43
Rekindling of	ruins o	f previo	ous	fire				4
Plumber's stov								5
Slacking of lin								3
Smoky chimne								35
	or furna	ce .			· .			64
Sparks from a								13
	irnace d							14
	himney							37
	•		•				÷	11
		· locomo	tive	· ·	·			34
Spontaneous c	ombusti	on		•	•	•		51 = 51
Steam escaping		on .	·	•	•	•	•	11
	5	•	•	·	·	•	•	$\frac{11}{2}$
"Police," mist	· · ·	P coll of	• • • • •	iro <sup>.</sup>	•	·	•	3
Thawing out h			1	116	•	•	•	1
Unknown	eer-hibe		·	·	•	•	•	531
	• •	•	•	•	·	•	•	3
Upsetting of s			•	•	•	·	·	$28^{-3}$
Water-pipes, t		out	•	•	·	•	•	20 2
Wood drying i	in oven	•	•	•	·	•	·	ک
Total								9 111
Total	• •	•	•	•	·	•	•	2,411
		Exting	uish	ed by				
Extinguishers				•				390
Buckets of wa								251
Chemical engin	nes .							453
Hydrant stream								208
Steamers .								375
Miscellaneous,	brooms	, stann	ing.	out and	sm	otherii	12,	108
Citizens .		,P	-3	•			•	287
Sprinklers								2

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#### ALARM BELLS.

The Fire-alarm Telegraph is connected with the following bells :

Adams School-house, Sumner street, East Boston, steel, 2,995 lbs., owned by City.

- Bunker Hill School-house, Charlestown, composition, 2,009 lbs., owned by City.
- City Hall, Charlestown, composition, 3,600 lbs., owned by City.
- Engine-house No. 16, Temple street, Dorchester, composition, 4,149 lbs., owned by City.

Engine-house No. 17, Meeting House Hill, Dorchester, composition, 4,000 lbs., owned by City.

- Engine-house No. 19, Mattapan, Dorchester, composition, 2,927 lbs., owned by City.
- Engine-house No. 20, Walnut street, Dorchester, composition, 3,061 lbs., owned by City.
- Engine-house No. 28, West Roxbury, composition, 4,000 lbs., owned by City.
- Engine-house No. 29, Brighton, steel, 1,535 lbs., owned by City.
- Engine-house, Mt. Vernon street, West Roxbury, steel, 1,000 lbs., owned by City.
- Engine-house No. 34, Brighton, composition, 1,501 lbs., owned by City.
- Engine-house No. 41, Allston, composition, 900 lbs., owned by City.
- Engine-house No. 45, Roslindale, composition, 1,059 lbs., owned by City.
- Lewis School-house, Dale street, Roxbury, composition, 3,104 lbs., owned by City.
- Maverick-street Church, East Boston, composition, 2,000 lbs.
- Princeton-street School-house, East Boston, composition, 2,470 lbs., owned by City.
- Saratoga street M. E. Church, East Boston, steel, 1,968 lbs., owned by City.
- Warren School-house, Charlestown, composition, 3,000 lbs., owned by City.
- Winthrop Šchool-house, Charlestown, composition, 3,000 lbs., owned by City.

Bells owned by the City, which have been disconnected from service, are located as follows:

- Berkeley Temple, composition, 2,941 lbs. Formerly used on Quincy School-house.
- Chapman School-house, steel, 3,109<sup>1</sup>/<sub>2</sub> lbs., taken down and stored by Public Buildings Department.
- Engine-house No. 1, Dorchester street, South Boston, composition, 2,911 lbs.
- Engine-house No. 2, composition, 800 lbs.
- Engine-house No. 18, Harvard street, Dorchester, composition, 3,184 lbs.
- Engine-house No. 21, Columbia road, Dorchester, composition, 3,026 lbs.
- Faneuil Hall, steel, 5,816 lbs.
- Fire Alarm Shop, bell formerly used on house of Engine No. 40, composition, 817 lbs.
- Ladder House No. 4, Dudley street, Roxbury, composition, 3,509 lbs.
- Lawrence School-house, B street, South Boston, steel, 3,400 lbs.
- Lincoln School-house, Broadway, South Boston, composition, 3,110 lbs.
- Smith-street School-house, Roxbury, composition, 4,083 lbs.
- Ticknor School-house, Dorchester street, Washington Village, steel, 2,995 lbs.
- Trinity Church, Trenton street, East Boston, composition, 1,760 lbs. Formerly used on Castle-street Church.
- Van Nostrand's Brewery, Charlestown, composition, 818 lbs. Formerly used on Boylston School-house.

Wells School-house, Blossom street, composition, 1,675 lbs.

#### PUBLIC CLOCKS.

The following public clocks, thirty-eight in number, are taken care of by the Fire Department:

#### City Proper.

Arlington-street Church. Charles-street Church. Christ Church, Salem street, owned by City. Commercial Wharf. Odd Fellows' Hall, Tremont street, owned by City. Old South Church, owned by City. Old State House, owned by City. Park-street Church.

Suffolk County Jail, owned by City. St. Stephen's Church, Clark street, owned by City. Shawmut-avenue Church. Tremont M. E. Church, owned by City. Young Men's Christian Union, owned by City.

#### South Boston.

Gaston School-house, owned by City. Lincoln School-house, owned by City. Phillips Church, owned by City. St. Augustine Church, Dorchester street, owned by City. Ticknor School-house, Washington Village, owned by City.

#### East Boston.

Central-square Church. London-street Church, owned by City. Lyceum Hall, owned by City. Trinity Church, owned by City. Orient Heights Church, owned by City.

#### Roxbury.

Winthrop-street Church, owned by City. West End stables, Tremont street, owned by City.

#### Dorchester.

Baker Memorial (Upham's Corner), owned by City. Neponset Church. Tileston School (Mattapan), owned by City. Unitarian Church (Milton Lower Mills).

#### Charlestown.

Bunker Hill Church. City Hall, owned by City. Harvard Hill Church. High School-house, owned by City. Unitarian Church.

#### West Roxbury.

Dr. Strong's Church. Unitarian Church. Congregational Church (Roslindale), owned by City.

#### Brighton.

Bennett School-house, owned by City.

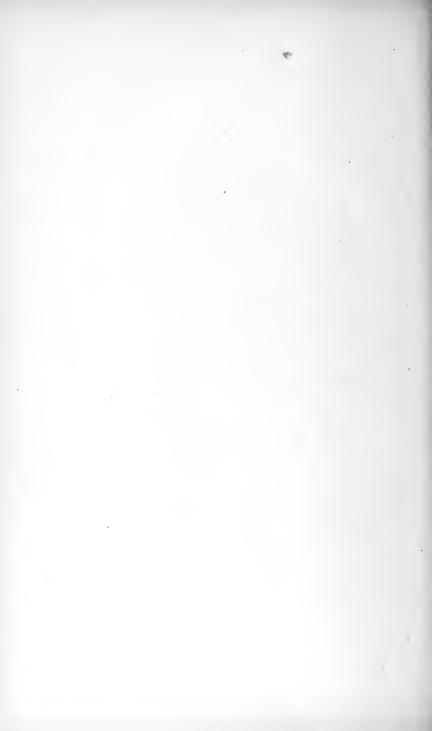
The following Fire-alarm boxes are private property: 113, 115, 119, 149, 152, 161, 163, 164, 165, 212, 227, 228, 244, 271, 279, 281, 283, 299, 342, 358, 422, 442, 443, 445, 446, 447, 448, 449, 466, 469, 495, 511, 533, 617, 619, 623, 624, 629, 698, 711, 714, 715, 716, 718, 722, 724, 725, 726, 727, 728, 729, 731, 732, 733, 734, 735, 737, 738, 739, 741, 742, 744, 745, 746, 755, 758, 759, 762, 766, 767, 769, 773, 778, 779, 789, 791, 792, 793, 794, 795, 797, 799, 816, 828, 838, 842, 864, 865, 919, 927, 967, 969, 971, 974.

Pray accept for yourself my full appreciation of the uniform support with which you have favored me.

Your obedient servant,

HENRY S. RUSSELL, Commissioner.





## ANNUAL REPORT

OF THE

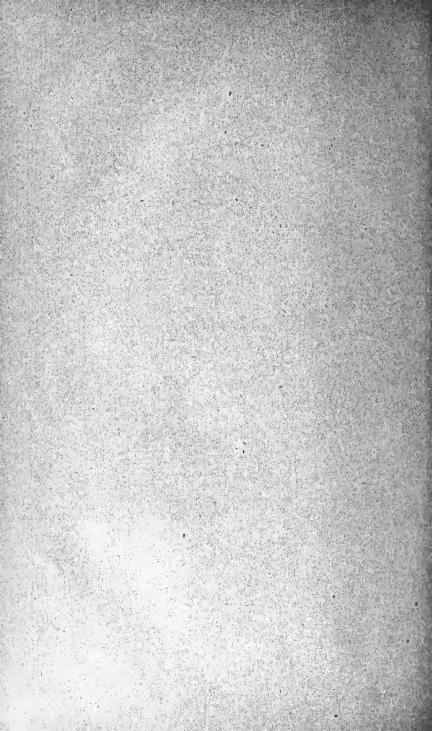
# FIRE DEPARTMENT

FOR THE

## YEAR 1901-1902



BOSTON MUNICIPAL PRINTING OFFICE 1902



27 ANNUAL REPORT

OF THE

## FIRE DEPARTMENT

FOR THE

### YEAR 1901-1902



BOSTON MUNICIPAL PRINTING OFFICE 1902

Movitore - Tire Department. Dec. 12. 1903. 1902.

#### FIRE COMMISSIONER, BRISTOL STREET, BOSTON, February 26, 1902.

#### HIS HONOR PATRICK A. COLLINS, Mayor:

SIR, - By good fortune, constant vigilance and powerful apparatus we have been able to pass through the year without a conflagration, in spite of the many old fire traps scattered throughout the city, to say nothing of the new buildings, of faulty construction, which our present laws allow to be erected within the city limits. As long as real estate owners pursue the narrow policy of opposing all laws which look to the preservation of life and property, the Fire Department will be handicapped in its duty. The department has done satisfactory work during the year, and I see no reason to change my opinion that, by strengthening the companies already established, we have attained an efficiency which can provide all reasonable protection to the different sections of the city, without taxing our fellow-citizens for new houses, apparatus and men, not necessary for a satisfactory performance of our duty.

Our Roll of Merit contains the names of :

Nathan L. Hussey			Engine 23.
Edward H. Sawyer			Ladder 4.
Edward H. Sawyer	•		" 4.

James F. Bailey .				Ladder 17.
Eugene Rogers .				" 1.
Peter Callahan .				Engine 4.
Joseph A. Kelley		•	•	Chemical 1.
Timothy J. Heffron				Engine 4.
James E. Downey				" 6. 1
Frederick F. Leary				Ladder 12.
Florence Donoghue				Combination 8.
James J. O'Connor	•			Engine 7.
James F. McMahon				Combination 8.
Martin A. Kenealy				Engine 7.
Denis Driscoll .				·· 7.
William H. Magner				Ladder 8.
Thomas J. Muldoon				Chemical 8.
Dennis McGee .				Combination 5.
Joseph P. Hanton				Ladder 17.
				" 17.

All of whom have distinguished themselves by exceptionally good work on occasion; but the success in putting out fires, which the department has attained, has been owing to the perpetual vigilance and uniform zeal of all the officers and men without distinction.

#### ORGANIZATION.

Commissioner, HENRY S. RUSSELL; term expires May, 1904.

Secretary, BENJAMIN F. UNDERHILL.

Chief of Department, WILLIAM T. CHESWELL.

Assistant Chief, JOHN A. MULLEN.

Second Assistant Chief and Chief of District No. 5, NATHAN L. HUSSEY.

Superintendent of Fire-alarms, BROWN S. FLANDERS.

Assistant Superintendent of Fire-alarms, CYRUS A. GEORGE.

Superintendent of Repair-shop, HENRY M. HAWKINS. Assistant Superintendent of Repair-shop, EUGENE M. BYINGTON.

Hydraulic Engineer, GREELY S. CURTIS. Veterinary Surgeon, GEORGE W. STIMPSON. Medical Examiner, RUFUS W. SPRAGUE. Purchasing Officer, CHARLES A. STRAW.

Storekeeper, GEORGE R. WILLIAMS (detailed).

Foreman of Hose and Harness-shop, PATRICK B. HANNON.

Consulting Electrician, HENRY F. COTTLE (absent). Master Carpenter, THOMAS C. HANEY.

#### Clerks.

George F. Murphy, Daniel J. Quinn, Michael J. Lafferty, James P. Maloney.

#### District Chiefs.

Patrick E. Keyes,	Headquarters,	Ladder-house 2
C. H. W. Pope,	"	" 9
Joseph M. Garrity,	"	" 8
Peter F. McDonough,	44	Engine-house 4
Edwin A. Perkins,	"	" 1
John Grady,	44	·· 22
Hiram D. Smith,	<b>66</b>	Ladder-house 12
Edward H. Sawyer,	44	" 4
Williston A. Gaylord,		Engine-house 18
John F. Ryan,	"	" 41
Lewis P. Abbott,	"	" 28

#### FORCE AND PAY-ROLL, FEBRUARY 1, 1902.

Commissioner .					\$5,000	per	annum.
Secretary					2,500		"
Chief of Department					3,500	"	66
Assistant Chief .					2,400	44	66
Second Assistant Chie	$\mathbf{e}\mathbf{f}$				2,200		
Superintendent of Fin	re-alar	ms			3,200	44	"
Assistant Superintend				ms,			"
Superintendent of Rep					2,000	"	"
Assistant Superintend					1,800	"	"
Hydraulic Engineer		• •		1.	1,600	66	"
Veterinary Surgeon					2,000	"	46
Medical Examiner					900		"
Purchasing Officer					1,600		"
Foreman of Hose and	Harn	less S	hop		1,400	44	"
Storekeeper					1,200	44	"
Master Carpenter .					1,300	"	"
Bookkeeper					1,650		"
3 Clerks					1,400	44	"
11 District Chiefs					2,000		44
52 Captains .					1,600		••
68 Lieutenants .					1,400		"

#### CITY DOCUMENT No. 16.

46	Engineers				\$1,300	per	annum.
41	Assistant	Engineer	s		1,200		"
1	Assistant	Engineer			1,100	"	"
1	"	"			1,000	"	"
1	"	"			900	"	"
	476 Pe	rmanent	men.				
366	at		•		1,200	66 ·	"
26	at				1,100	"	"
32	at				1,000	"	"
27	at				900	**	"
25	at.	•			720	"	"
	83 Call	-men.					
1	at				325	"	"
14	at				250	"	"
68	at				200	"	"
12	Chiefs' Dı				1	75	per day.
1	"	"				25	
<b>2</b>	Watchmen	n.	•		1,000	per	annum.
3	Hostlers (	average)			1	95	per day.
	Horseshoe				3	00	"

#### FIRE-ALARM FORCE.

6	Operators		\$1,600	per annum.
3	Assistant Operators .		1,200	- u u
1	Foreman of Construction	•	1,800	** **
17	Repairers (average) .	•	2	94 per day.

#### REPAIR-SHOP EMPLOYEES.

			. \$1,3	00 per :	annum.
				3 00 1	per day.
•		•		2 50	"
			•	3 75	"
				2 50	"
		•		3 25	"
				3 25	"
				3 00	"
	•			$2\ 75$	"
				3 50	"
				3 25	"
rs		•		$2\ 50$	"
repair	er			1 50	"
	•			$2 \ 05$	"
	· · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

870 total force.

#### FORCE AND PAY-ROLL, FEBRUARY 1, 1901.

		,		
Commissioner		\$5,000	per annu	m.
Secretary		2,500		
Chief of Department		3,500		
Assistant Chief		2,400		
Second Assistant Chief		2,200		
Superintendent of Fire-alarms		3,200		
Assistant Superintendent of Fire-a	larms.	2,000		
Superintendent of Repair-shop	,	2,000		
Assistant Superintendent of Renair	· · ·	1,800		
	-shop,	1,600		
Hydraulic Engineer Veterinary Surgeon	•••	2,000	"	
Veletinary Surgeon	• •	2,000		
	•••	1,600		
Purchasing Officer	• •			
Foreman of Hose and Harness Sho	р.	1,400		
Storekeeper	• •	1,400		
Master Carpenter	• •	1,300	"	
Bookkeeper		$1,\!650$		
3 Clerks		$1,\!400$		
1 Clerk		$1,\!100$		
11 District Chiefs		2,000	** **	
53 Captains		1,600		
66 Lieutenants		1,400		
47 Engineers		1,300		
40 Assistant Engineers		1,200		
4		1,100		
470 Permanent men.		_,		
356 at		1,200		
37 at		1,100		
20 of	•••	1,000		
27 at	• •	900		
20 at	•••	720		
83 Call-men.	•••	120		
		205		
$1 \text{ at} \cdot \cdot$	• •	325		
14 at	• •	250	"	
68 at	• •	200	""	
11 Chiefs' Drivers		1	75 per da	y.
2 Watchmen			per annu	
3 Hostlers (average) .		1	F	y.
1 Horseshoer		3	00 "	
	_			

#### FIRE-ALARM FORCE.

6 Operators		\$1,600	per annum.
3 Assistant Operators .		1,200	
1 Foreman of Construction		1,800	"
17 Repairers (average) .	•	2	94 per day.

#### CITY DOCUMENT NO. 16.

#### REPAIR-SHOP EMPLOYEES.

1 Sanitary Engineer			. \$1	,300	per a	nnum.
1 Engineer .						er day.
1 Assistant Engineer	$\mathbf{r}$			2	$50^{\circ}$	"
1 Painter	•			3	75	"
1 "				<b>2</b>	50 .	"
$2  { m Wheelwrights}  \cdot$				3	25	"
4 Machinists .				3	25	• •
1 Machinist .				3	00	"
2 Blacksmiths .				3	50	"
1 Blacksmith .		•		3	25	"
3 Blacksmiths' Help		•		<b>2</b>	50	"
1 Hose and harness-r	repai	$\operatorname{rer}$		1	50	"
5 Laborers (average)	)	•		<b>2</b>	04	"

863 total force.

#### FIRE DISTRICTS.

The city is divided into twelve fire districts, as follows :

#### District 1.

All that part of Boston known as East Boston.

#### District 2.

All that part of Boston formerly known as Charlestown.

#### District 3.

The territory bounded on the north and east by the water front, on the south by Summer street, and on the west by Washington and Charlestown streets.

#### District 4.

The territory bounded on the north by the Charles river, on the east by Charlestown and Washington streets, on the south by Winter, Park, and Beacon streets, and on the west by the Charles river and Berkeley street.

#### District 5.

The territory bounded on the north by Beacon, Park, Winter and Summer streets, on the east by Fort Point channel, on the south and west by Broadway, Way, Motte, Castle, and Ferdinand streets, Columbus avenue and Berkeley street.

#### District 6.

All that part of Boston known as South Boston, and running south as far as Dorset and Locust streets.

#### District 7.

The territory bounded on the north by Berkeley street, Columbus avenue, Ferdinand, Castle, Motte, and Way streets and Broadway, on the east by Fort Point channel and South bay, on the south by Massachusetts avenue, and on the west by the Charles river.

#### District 8.

The territory bounded on the north by the Charles river and Massachusetts avenue, on the east by Washington street, on the south by Atherton and Mozart streets, Chestnut avenue, Sheridan and Centre streets, Hyde square, Perkins, Catalpa and Castleton streets, across Jamaicaway to the Brookline line, and on the west by the Brookline line, Beacon and Deerfield streets.

#### District 9.

The territory bounded on the north by Massachusetts avenue, South bay, Dorset and Locust streets, on the east by Dorchester bay, on the south by Freeport, Hancock, Bowdoin and Quincy streets, Columbia road, and on the west by Seaver street, Columbus avenue and Washington street.

#### District 10.

That part of Dorchester bounded on the north by Seaver street, Columbia road, Quincy, Bowdoin, Hancock, and Freeport streets, on the east by Dorchester bay, on the south by the Neponset river and the Hyde Park line, and on the west by Harvard street and Blue Hill avenue.

#### District 11.

All that part of Boston known as Brighton and extending east as far as Deerfield and Beacon streets.

#### District 12.

All that part of Boston known as West Roxbury, bounded on the north by a line from the Brookline line across Jamaicaway to Castleton street, through Castleton, Catalpa,

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and Perkins streets, Hyde square, Centre and Sheridan streets, Chestnut avenue, Mozart, and Atherton streets, Columbus avenue and Seaver street, on the east by Blue Hill avenue and Harvard street, on the south by the Hyde Park and Dedham lines, and on the west by the Newton and Brookline lines.

#### Assignment of Districts.

Each district is placed under the charge of a District Chief, as follows:

		COMPANIES IN DISTRICTS.								
District.	Chief in Command.	Engines.	Chemical Engines.	Ladders.	Combinations.	Water Towers.				
1	Patrick E. Keyes	5, 9, 11, 40	7	* 2	4					
2	С. Н. W. Роре	27, 32, 36	9	* 9	5, 7					
3	Joseph M. Garrity	8, 25, 31, 44	•••••	* 8, 14						
4	Peter F. McDonough,	* 4, 6, 10	1	1	8	1				
ō	Nathan L. Hussey	7, *26, 35	2	17						
6	Edwin A. Perkins	*1, 2, 15, 38, 39, 43	8	5	2, 3					
7	John Grady	3, *22, 33	4	3, 13, 15		2				
8	Hiram D. Smith	13, 14, 37	12	* 12	10					
9	Edward H. Sawyer	12, 21, 23, 24	10	*4	6					
10	Williston A. Gaylord,	16, 17, *18, 19, 20		6, 7	1, 11	•				
11	John F. Ryan	29, 34, * 41	6	11						
12	Lewis P. Abbott	*28, 30, 42, 45	5	10, 16	9					

\* Headquarters of District Chief.

The following property is in charge of the Fire Commissioner:

н	ou	ses.	
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Location.	No. of feet in lot.	Assessed Valuation.	Occupied by
Dorchester and Fourth sts	8,169	\$25,800	Engine 1 and Ladder- house 5 on this lot.
Corner of O and Fourth sts	4,000	16,400	Engine 2.
Bristol st. and Harrison ave	4,000	30,000	Engine 3 and Ladder 3.
Bulfinch st	6,098	96,000	Engine 4, Chemical 1 and Tower 1.

#### Houses. - Continued.

Location.	No. of feet in lot.	Assessed Valuation.	Occupied by
Marion st., East Boston	1,647	9,000	Engine 5.
Leverett st	2,269	35,000	Engine 6.
East st.	1,893	35,400	Engine 7.
Salem st	2,568	20,300	Engine 8.
Paris st., East Boston	4,720	29,200	Engine 9 and Ladder 2.
River st	1,886	20,000	Engine 10.
Saratoga and Byron sts., East Boston,	10,000	38,500	Engine 11 and Combination 4.
Dudley st	7,320	24,900	Engine 12.
Cabot st.	4,832	16,000	Engine 13.
Centre st	5,713	14,600	Engine 14.
Dorchester ave	2,803	18,700	Engine 15.
River st., Dorchester District	12,736	19,200	Engine 16 and Ladder 6.
Meeting House Hill, Dorchester Dis- trict	9,450	17,300	Engine 17 and Ladder- house 7 on this lot.
Harvard st., Dorchester District	9,440	18,300	Engine 18.
Norfolk st., " " …	7,683	14,200	Engine 19.
Walnut st., " "	9,000	9,800	Engine 20 and Combina- tion 11.
Columbia road, " "	10,341	17,100	Engine 21.
Warren aye	7,500	67,000	Engine 22 and Ladder 13
Northampton st	$3,\!445$	13,200	Engine 23.
Corner Warren and Quincy sts	4,186	18,100	Engine 24.
Fort Hill sq	4,175	81,800	Engine 25, Ladder 8 and Ladder 14.
Mason st	5,623	113,000	Engine 26 and Engine 35.
Elm st., Charlestown District	2,600	18,000	Engine 27.
Centre st., Jamaica Plain	10,377	28,300	Engine 28 and Ladder 10.
Chestnut Hill ave., Brighton District,	14,358	37,200	Engine 29 and Ladder 11.
Centre st., West Roxbury District	12,251	25,000	Engine 30 and Combina- tion 9.
Bunker Hill st., Charlestown District,	8,188	26,200	Engine 32.
Corner Boylston and Hereford sts	5,646	66,000	Engine 33 and Ladder 15.
Western ave., Brighton	4,637	17,800	Englne 34.
Monument st., Charlestown District,	5,668	21,000	Engine 36 and Combination 5.
Corner Longwood and Brookline aves	5,231	13,200	Engine 37 and Combina- tion 10.
Congress st	4,000	37,000	Engine 38 and Engine 39,
Sumner st., East Boston	4,010	18,000	Engine 40.

Location.	No. of feet in lot.	Assessed Valuation.	Occupied by
Harvard ave., near Cambridge st., Brighton District	6,112	25,500	Engine 41 and Chemical 6
Washington, between Atherton and Beethoven sts	3,848	22,900	Engine 42 and Chemical 5
Andrew sq	5,133	20,100	Engine 43 and Combina- tion 3.
Washington, corner Poplar st., Roslindale	14,729	22,400	Engine 45 and Ladder 16
Church st	3,412	23,600	Chemical Engine 2.
Shawmnt ave	889	5,700	Chemical Engine 4.
Chelsea st., East Boston	1,346	10,400	Chemical Engine 7.
B st	1,804	7,800	Chemical Engine 8.
Eustis st	1,754	7,600	Chemical Engine 10.
Friend st	1,676	32,400	Ladder 1.
Dudley st	3,923	25,900	Ladder 4.
Main st., Charlestown	4,290	18,000	Ladder 9 and Chemical 9.
Tremont st	4,311	25,700	Ladder 12 and Chemical 12.
Harrison ave	2,134	25,500	Ladder 17.
Dorchester ave., Ashmont	4,875	22,900	Combination 1.
Fourth st	3,101	11,000	Combination 2.
Washington st., Dorchester	6,874	21,400	Combination 6.
Winthrop st	3,000	13,200	Combination 7.
North Grove st	3,918	18,000	Combination 8.

Houses. — Concluded.

	Assessed Valua	tion.
Fuel-house, Dorchester street, 1,610 feet of land,	\$3,300	00
Fuel-house, Salem street, 417 feet of land .	3,200	00
Fuel-house, Main street, Charlestown, 2,430		
feet of land	7,800	00
Headquarters building and repair-shop, corner		
of Albany and Bristol streets, 23,679 feet.		00
Water Tower No. 2 and Wrecking Wagon are		
in Headquarters building.		
Veterinary Hospital, Atkinson street, 64,442		
feet of land	$36,\!100$	00
Fuel-house, Washington, near Dover street,	4.	150
1,007 feet of land	$13,\!100$	00
9,300 feet of land on Saratoga street		00
Partially erected house for Chemical 7, cost to		
date	12,931	70
11,363 feet of land on Pittsburgh street .	17,000	00
Partially erected house for Ladder 18, cost to		
date	13,705	]40

FIRE-BOAT. — One, locatillORSE HOERE-WAGONS. —         re in Roxbury, six in Dorches         o.         ILocation.         Inorchester, near Fourth,         2 Fourth, cor. O, South Bos         Builfinch st.         5 Marion st., Fast Boston         6 Leverett st.         7 Fast st.         7 Salem st.         8 Salem st.         9 Paris st., Fast Boston         9 Mount Vernon, cor. River         10 Salen st.         2 Joudtly st.         2 Oabolt st.	FIRE-BOAT. — One, located India Wharf. HORSE HOSE-WAGONS. — Forty-three, located as follows: Twelve in City Proper, four in East Boston, six in South Boston, five in Roxbury, six in Dorchester, three in Charlestown, four in West Roxbury, and three in Brighton.	Built by Patt in Service of Cylinder. Diameter of Bump. of Stroke.	S. B., Clapp & Jones Mfg. Co., Manchester Loco.Works, Nov., St.,April 1, 1890 Sh 5Sh 7 5Second size.ton Manchester Loco.Works, stNov., Manchester Loco.Works, StNov., 1890 5557Second size.stClapp & Jones Mfg Co., American Fire Eng. Co., Formerly Relief B. tr Formerly Silsby Engine S3, rebuilt by Manchester Loco.Works, Manchester Loco.Works, Manchester Loco.Works, S3, rebuilt by Manchester Loco.Works, Manchester Loco.Works, March 30, 1895 635457Second size.S3, rebuilt by Manchester 
5 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	F1RE-B0AT One, located India Wharf. HORSE HOSE-WAGONS Forty-three, located a ive in Roxbury, six in Dorchester, three in Charlesto		Dorchester, near Fourth, S. B., Fourth, cor. O, South Boston. Harrison ave., cor. Bristol st Bulfinch st Marion st., Fast Boston Leverett st East st Paris st., East Boston Paris st., East Boston Mount Vernon, cor. River st Dudley st Cabot st Centre st.

Engine Companies.

STEAM FIRE-ENGINES. — Forty-three in service, located as follows: Twelve in Clity Proper, four in East Boston, six in South Boston, five in Roxbury, six in Dorchester, three in Charlestown, four in West Roxbury, and three in Brighton.

- Continued.
Companies.
Engine

	First size.	ut ut Thind ut	11 11	11 11	11 12	Second "		17 17	Third "	First ""	Extra first size.	g	1. 11		Third "	2 sets of pumps 4,790 gallons.*	Second size.	55 FF	11 - 21
Stroke.			-10	8	r-	<u>~</u>		00					ťa	æ	-	10	00	00	00
Diameter of Pump.	5. Rot	<b>*</b> +	+ <del>4</del> 8	°4	$4\frac{8}{8}$	$4\frac{8}{4}$		48	48	48	£4	47	Å	48	4	6	44	48	47
Diameter of Cylinder.	6	67 61	-1%	<del>1</del> 9	2	80		8	r-	1 1 1	88 848	adou - 1	:	47		16	64	0400 1	18
Put in Service.	1893 8, 1890	1886	5, 1891	1890	10, 1893	1901		3, 1901	24,		1895	1, 1872	29, 1886	1, 1874	9, 1891	3, 1889	28, 1884	16, 1901	1869
Put in	Feb., April	May, Nov	Dec.	Nov.,	Dec.	Jan.,		July	Feb.	N07.,	June,			Jan.	Oct.	July	March	April	Dec.,
Built by	American Fire Eng. Co., Silsby Mfg. Co	Amoskeag Mfg. Co			Clapp & Jones Mfg. Co., Rebuilt by American Fire	Eng. Co.	Formerly Silsby Engine 6. rebuilt by American	Fire Eng. Co.	Clapp & Jones Mfg. Co.,	Manchester Loco. Works,	La France Fire Eng. Co.,	Amoskeag Mfg. Co	Silsby Mfg. Co.	Hunneman & Co	Clapp & Jones Mfg. Co.,	Clapp & Jones Mfg. Co.,	Manchester Loco.Works,	Manchester Loco. Works,	Amoskeag Mfg. Co
Location.	Dorchester ave. and Broadway, Temple st., Dorchester	Meeting House IIill, Dorches'r, Harvard et Dorchester	Norfolk st., Dorchester	Walnut st., Dorchester	Columbia road, Dorchester		Northampton st		Warren, cor. Quincy st	Fort Hill sq.	Mason st.	Elm st., Cliarlestown	Centre st., Jamaica Plain	Chestnut Hill ave., Brighton	Centre st., West Roxbury	Central wharf (spare Fire-boat),	Bunker Hill st., Charlestown.	Boylston st.	Western ave., Brighton
No.	15 16	17 17	19	20	21 22		23		24	25	26	21	28	29	30	31	32	33	34

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	Double extra first size.	Third size.	Second "		Double extra first size.	First size.		Third "	" "	11 11	10 2 sets of pumps 6,520 gallons.*	)	Third size.		
	80	80	00		30	œ	arv.	, <b>r-</b>	Kot arv.	-1-	10		5		
	54	4	44	,	5 4 7 7 7 8	'n		48 7	Řot	48	P. P.10	(	48	,	
	<del>6</del> 6	6 <del>1</del>	64	D	Ťв	8		-1		-1	12# H. P.	1	4		
	1898	1890	1896		1897	14, 1901	1890	1893	1893	3, 1893	1895	-	1895		minute.
	Jan.,	Dec.,	March,		June,	June	Aug.,	Feb.	Feb.	March	Aug.,		Jan.,		tions per
Manchester Loco.Works,	Self-propeller Jan.,	Manchester Loco.Works,	Manchester Loco. Works, March,	Manchester Loco. Works,	Self-propeller June, 1897	Manchester Loco. Works,	Silsby Mfg. Co	Clapp & Jones Mfg. Co.,	American Fire Eng. Co.,	Clapp & Jones Mfg. Co., March 3, 1893	American Fire Eng. Co., Aug.,		American Fire Eng. Co., Jan.,		* At 225 revolutions per minute.
Mason st			Longwood ave	Congress st , South Boston			Sumner st., East Boston			Andrew sq., South Boston	India wharf (Fire-boat)	Washington, corner Poplar st.,	Roslindale		
35		36	52	38	1	68	<del>1</del> 0	41	$^{42}$	43	44	45			

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In Reserve.

Second size.	27 73	17 17	11 11	11 11	27 22	First "	Second "	First "
œ	x	œ	8	80	8	80	8	80
44	54	44	-40 -40	44	4	2 <del>4</del>	48	54
74	6	$6\frac{1}{2}$	1 1 2 2	10480 [^-	48 1	6	ucko L	6
26, 1869	1890	1879	1886	1867	1872	1890	1867	1890
April 2	April,	Dec.,	May,	Nov.,	Sept.,	Nov.,	July,	Aug.,
Freeman & Jucket	Clapp & Jones Mfg. Co.,	Manchester Loco. Works,	Manchester Loco. Works,	Amoskeag Mfg. Co	Amoskeag Mfg. Co	Clapp & Jones Mfg. Co.,	Amoskeag Mfg. Co	Clapp & Jones Mfg. Co.,
Old 8	UIG 39		17 (Urane neck)	Old 4 (Straight frame)		25		35

# Also five hose wagons.

FIRE DEPARTMENT.

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CUENICAL ENGINES. — Ten in service, self-acting, located as follows: Three in the City Proper, one in East Boston, one in Charlestown, one in South Boston, two in Roxbury, one in West Roxbury, and one in Brighton.

Number.	Location.	Builders.	Put in Service.	Capacity.
1	1 Bulfinch st.	Babcock Manufacturing Co	Oct., 1890 April 25, 1874	Gals. 100 160
4		Rebuilt by Hinman in 1886	(Used as a spare en- gine and put in ser- vice Dec. 20, 1895	100
5	Washington, between Atherton and Bee- thoven sts.	Altered by Hinman	<u> </u>	170
6	Harvardave., near Cambridgest., Brighton, Chelsea st. Fast Boston.	· · · · · · · · · · · · · · · · · · ·	May 1, 1876 Sept. 27, 1886	160
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	B st., South Boston		Oct.	160
	Main st., Charlestown	دور	$J \eta J y 17,$ sort 19	100
10	Eustis st.	Charles T. Holloway	ຊົ	8

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Charles T. Holloway..... Babcock Manufacturing Co.....

Old Chemical 2.....

Spare.....

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LADDER TRUCKS. -- Seventeen in service, including four extension ladder trucks, located as follows: 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.

Number.	Location.	Builders. /	Put in Service.	Number of Ladders.
- 0.00 4 m 0 - 0 0 0 1 0 0	Friend st Paris st., East Boston Paris st., East Boston Harrison ave., cor. Bristol st. Dudley st., Roxbury. Fourth st., near Dorchester Meeting House Hill. Nain st., Charlestown Main st., Charlestown Main st., Charlestown Main st., Roxbury Cluestnut Hill ave., Brighton Tremont st., Roxbury	Hunneman & Co	Dec. 20, 1869 June 2, 1889 April 25, 1884 March 3, 1870 Aug. 18, 1873 July 28, 1898 Aug. 23, 1898 Aug. 23, 1898 Oct. 6, 1872 Dec. 11, 1872 Dec. 21, 1872 July 31, 1880 March 12, 1890	, H H 55 H 55 H 55 H 56 H 56 H 56 H 56 H
14 15	Fort Hill sq Boylston st Washington, cor. Popli dale	Fire Extinguisher Manufacturing Co., Chicago, ar st., Roslin- Ropair-shop	Jan. 30, 1893 April 28, 1888 Sept., 1888	Extension Extension 15
17	Harrison ave	Harrison ave Preston Co., Chicago	April 29, 1891	Extension 87 feet.

#### FIRE DEPARTMENT.

			li <sup>r</sup> y ∥	ity.	
		ısion.	one	Capacity.	Gals. 70 70 70 70 70 70 70 70 70 70
		Exter	n,°one in R Soston, and	Put lu Service.	$\begin{array}{c} 1, \\ 1, \\ 1, \\ 1, \\ 1, \\ 29, \\ 1, \\ 1, \\ 1, \\ 1, \\ 1, \\ 1, \\ 1, \\ $
			st Bosto South F	Put h	March May, Jan., Jan., Jan., Nov. April Oct., Nov.
		п 1900.	roper, one in Eas bury. chester, one in		Chemical and Hose 
6	Builders.	nbinatio a, N.Y.	City Prest Rox		Chen Ghen Chen Chen Chen Chen Chen Chen Chen C
Ladder Trucks in Reserve.	Bul	Fire Department Repair-shop. Hunneman & Co. Rebuilt as Combination in 1900. La France Fire Engine Co., Elmira, N.Y	<b>Combination Companies.</b> located as follows: One in Dorchesten, and one in W a, located as follows: One	Built by	Charles T. Holloway Fire Extinguisher Mfg. Co., Charles T. Holloway Fire Extinguisher Mfg. Co., """"""""""""""""""""""""""""""""""""""
	Description.	Relief B, old 8         Fire           Oid Ladder 11         Hunn           "         "           "         "           Abbo         Abbo	<b>Combination Companies.</b> COMBINATION TRUCKS. — Eight in service, located as follows: One in City Proper, one in East Boston, one in Roxbury, COMBINATION WAGONS. — Three in service, located as follows: One in Dorchester, one in South Boston, and one in Charlestown.	Location.	Dorchester ave., Ashmont, Fourth st., South Boston, Andrew sq., South Boston, Saratoga, cor. Byron st., E. B., Monument st., Charlestown, Washington st., Dorchester North Grove st North Grove st Charles T. Holloway Withrop st., Charlestown, North Grove st Charles T. Holloway North Grove st North Grove st Charles T. Holloway & Co., Withrop st., Charlestown
	De	Relief B, old 8 Old Ladder 11 " 4 " 8	COMBINATIO One in South Bost CombINATIO Charlestown.	Number.	1984721000011

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One spare.

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WATER-TOWERS. - Two, Located in City Proper.

Put in Service.	at Supply Co May 17, 1890	
Builders.	. Kansas City Fire Departmen	
Location.	Bulfinch st Kansas City Fire Department Supply Co May 17, 1890	
Number.	1	

PORTABLE EXTINGUISHERS. — Carried on all of the ladder trucks and hose-wagons and located in the department houses. FUEL-WAGONS. — Thirty-nine, each capable of conveying about two tons.

PUNGS. -- Forty-eight; forty-three for carrying hose, two for jobbing, and three for Fire-alarm branch. District chiefs' Wagows. — Seventeen for chief of department and district chiefs (fourteen in service and three in reserve) and one buggr sleighs, seven.

energine lather, one 14-inch speed lather 5-ft, bed; one 14-inch swing patent engine lather, 5-ft. bed; one 25-inch shaping machine; one 68-inch radial drill; one duplex and one Blake pump for feeding boilers; one Knowles triplex pump for testing hose; one patent goose-neck belt drill; one band-saw; one circular saw; one monarch boring machine; together with numerous smaller tools Йвгалг-sнор. — In the repair-shop, one 25-horse-power steam-engine, cylinder, 9 by 31 inches, Putnam Machine Company; 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; four blacksmith's forges; one furnace for heating tires; one 28-inch swing standard and appliances, and also tools for repairing hose and harness.

Three upright tubular boilers, 100-horse-power.

Two dynamos for lighting and fire-alarm; one tire upsetter in the blacksmith shop; one No. 2 Blake pump in the hose harness-shop for testing hose. and

#### FIRE DEPARTMENT.

NEW APPARATUS PURCHASED DURING THE YEAR.

1 second-size Amoskeag engine.

3 district chiefs' wagons, with rubber tires.

- 1 extra first-size Amoskeag engine.
- 2 hose-wagons.
- 2 combination ladder and chemical trucks.

Amount of hose purchased and condemned during the year:

Purchase	d.		Conden	nned.
Leading cotton,	13,000	feet.	6,350	feet.
" rubber,		"	2,300	"
Chemical,	2,000	"	1,500	"
Suction,	62	"	198	"
Totals,	15,562	"	10,348	"

Amount of hose in use and in store February 1, 1902 :

In Use.			In Store.
Leading cotton,	86,300	feet.	15,700 feet.
	, 5,550		1,400 "
Chemical,	10,250	"	1,400 "
Suction,	905		106 "
Totals,	$103,\!005$	"	18,606 "

#### HORSES.

Purchased during t	he y	vear				75
Sold or exchanged						39
			•			9
Killed for cause						8
Killed in service						3
Number in the depa	artn	$\operatorname{nent}$			•	374

	.eSai	blind ai toa eərif		15	16	21	22	60	88	9	16	22	41	6		10	326
		Out of city.		÷	1	¢1	I	63	1	÷	61	ന	ŝ	67		:	12
n	•	Totally destroyed		-	i	1	I	61	61	:	e0	:	'n	C1		÷	34
BUILDINGS.	.938	mab sldarsbianoO		6	10	13	10	11	17	ŝ	6	Π	14	12		18	137
IIIO		.925msb tdznage.		95	87	55	58	85	85	38	63	60	81	88		88	878
e l		.93emeb o <sup>N</sup>		62	51	32	36	48	79	46	44	38	64	48		38	586
	.sa	rsls Ilita asəlbəəN		19	17	18	10	16	17	12	14	17	13	21		20	194
	.87	Extended to othe		67	5	8	63	67	4	÷	5	:	5	63		67	33
	.8Zu	tblind of beatino.)		162	136	<b>35</b>	102	140	174	87	104	109	149	141		140	1,539
		.([1]2		104	76	52	57	108	147	43	67	11	101	79		22	116
.8M3	ġ	Needless.		5	6	9	'n	ŝ	4	4	00	10	G	9		4	76
ALARMS	grap	False.	-	i	67	4	63	67	6	10	10	ŝ	ŝ	ന		63	\$
4	Telegraph.	Fire.		94	66	86	08	112	137	62	74	80	112	96		100	1,132
ANCE.		.atn94n0O		\$701,880	790,862	396,855	519,100	303,900	879,346	90,650	203,850	637,200	328,212	314,930		504,790	\$5,671,575
INSURANCE.		.sgnibling		\$1,271,736	1,195,276	643,195	2,505,684	1,183,020	1,068,455	308,013	419,086	900,793	* 888,925	1,217,159		1,465,150	\$13,066,492
Loss.		.stustnoO		\$137,059	175,778	209, 230	97,425	51,877	76,981	20,428	46,617	59,253	68,841	87,945		180,639	\$1,212,073
ΓC		.aguiblin <b>B</b>		\$66,633	52,892	56,968	39,656	30,324	152,348	9,517	17,483	21,562	65,806	42,474		62,983	\$618,646
0		.IstoT		203	186	148	144	225	297	111	154	164	225	184		178	2,225
IVE	ä	.п толя́п U		:	1	67	7	÷	00	63	67	-	¢1	C1		67	23
RECE	Who	A utomatic.		-1	5	5	5	r-	r-	П	10	12	10	10		13	101
ALARMS RECEIVED	From Whom	Citizens.		165	161	121	112	174	238	96	123	131	194	151		134	1,800
ΑLA		Police.		55	15	15	$^{20}$	36	38	ŝ	13	13	14	17		≭	222
		Members.		6	4	ю.	9	œ	9	c0	9	7	2	*		16	61
		NONTHS. 1901-1902.	1901.	February	March	April	May	June	July	August	September	October	November	December	1902.	January	Totals

#### CITY DOCUMENT NO. 16.

Causes of Fires and A to Feb					JARY	1, 1	901,
Alarms, accidental automa							89
" false							40
" out of city .	•						17
Ashes, hot, in wooden rec	eptac	le				•	23
Boiling over of fat or tar	•						37
Bonfires, grass, rubbish, e	tc., se	et by	boys				194
Careless use of lamps, can							42
" " " pipes and			mokir	ng			47
Chimneys, soot burning	•						76
" defective							<b>21</b>
Clothes too near stove							10
Defective flue						•	7
" stove-pipe	•						6
" gas-pipe .							4
Electric motor igniting ca	r						8
" wires `	•						42
Explosion and ignition of				•	•		8
" of bottle of wh	iskey	in or	ven	•			1
Fireworks		•		•	•		58
Friction	•	•	•	•			4
Fumigating	•	•					8
Gas, explosion of .	•	•	•	•	•	•	3
" jet setting fire .	•	•		•		•	42
" stove, careless use of		l expl	osion		•	•	12
Hot iron igniting woodwo	$\operatorname{ork}$		•		•	•	3
Incendiary	•	•	•	•	•	•	38
" supposed	•	•	•	•			15
Kerosene used to light fir	e	•	•	•	•	•	2
Lamp explosion .			•		•	•	56
" upsetting and break	xing			•		•	62
Light mistaken for fire			•	•	•	•	20
Lightning				•	•	•	2
Matches and rats .	•					•	15
" " children	•	•	•	•	•	•	77
" careless use of	•	•	•	•	•	•	141
Meat burning on stove	•	•	•	•	•	•	8
Naphtha, careless use of,					· ·	•	28
Oil stove, careless use of			osion	•	•	•	72
Overheated boiler or stea		)e			•	•	11
" stove or furn	ace	•			•	•	34
Plastering, drying .	•	•	•	•	•	•	7
Plumber's stove upsettin		•	•	•	•	•	2
Rekindling of ruins of pr	eviou	s fire					$^{2}$

Slackin			•	•	•	•		•		2
Smoky	chim	neys								47
"	stove	or fur	ace							73
Sparks	from	another	fire							4
	"	chimne	у							44
"	"	engine	or loc	omoti	ve					29
"	"	forge								8
" "	"	furnace	or st	ove	•					11
"	"	open gi	rate							3
"	44	trolley	wire							1
Spontar	ieous	combus	stion				•			44
Steam e										10
Street f										1
Unknow										526
Water-	pipes.	thawin	g out							24
		g in ove								4
		5							_	
To	otal	•	•	•	•		•		•	2,225
			Ex	tingui	shed	by				
Exting	nishe	re				0				403
Buckets	e of v	vator	·	•	•		•		•	244
Chemic			·	•	•	•	•	•	•	399
Hydran	t etra	am	•	• .	•	•	•	•	•	172
Steamer		am	•	·	•	•	•	·	•	340
		1s, broo	·	omniu	• •	t and	· smot]	horing	*	88
Citizens		15, 0100.	uis, si	ampu	ig ou	u anu	smon	nermş	5,	248
		·	•	•	•	•	•	•	•	240 4
Sprinkl	ers	•	•	•	•	•	•	•	·	4

The following is a memorandum of construction, extension and renewal work done for the maintenance and operation of the Fire-alarm branch of the department for the year:

Overhead wire run		182,160	feet.
" " taken down		204,600	66
" cable put up		18,521	66
Conductors in same		$125,\!545$	44
Overhead cable taken down		11,547	66
Conductors in same		80,579	
Underground cable laid in N. E.	tele-	,	
phone ducts		15,317.7	"
Underground ducts put in by this	s de-		
partment		3,599.8	"
Total ducts owned by city		13,280.8	"
Total underground cable laid .		28,650	"
Conductors in same		521,920	44

Total cable under ground February 1,	
1902	70.5 feet.
Conductors in same	43.9 "
Service connections made	23
Boxes built over	115
New boxes added to service, including 3 auxiliary,	6
Boxes equipped with keyless doors .	. 92
Boxes placed on lamp-posts and connected under	
ground	9
Lamp-post boxes used in resetting broken posts .	4
Boxes in service February 1, 1902	632
Cross-arms used	402
Poles transferred to N. E. Telephone Company .	459
Bell-alarms struck from January 1, 1901, to Janu-	
ary 1, 1902	1,349
	9,244,766 .

#### ALARM BELLS.

The Fire-alarm Telegraph is connected with the following bells:

- Adams school-house, Sumner street, East Boston, steel, 2,995 lbs., owned by City.
- Bunker Hill School-house, Charlestown, composition, 2,009 lbs., owned by City.
- City Hall, Charlestown, composition, 3,600 lbs., owned by City.
- Engine house No. 16, Temple street, Dorchester, composition, 4,149 lbs., owned by City.

Engine-house No. 17, Meeting House Hill, Dorchester, composition, 4,000 lbs., owned by City.

- Engine-house No. 19, Mattapan, Dorchester, composition, 2,927 lbs., owned by City.
- Engine-house No. 20, Walnut street, Dorchester, composition, 3,061 lbs., owned by City.
- Engine-house No. 28, West Roxbury, composition, 4,000 lbs., owned by City.
- Engine-house No. 29, Brighton, steel, 1,535 lbs., owned by City.
- Engine-house, Mt. Vernon street, West Roxbury, steel, 1,000 lbs., owned by City.
- Engine-house No. 34, Brighton, composition, 1,501 lbs., owned by City.
- Engine-house No. 41, Allston, composition, 900 lbs., owned by City.
- Engine-house No. 45, Roslindale, composition, 1,059 lbs., owned by City.

Lewis School-house, Dale street, Roxbury, composition, 3,104 lbs., owned by City.

Maverick-street Church, East Boston, composition, 2,000 lbs.

- Princeton-street School-house, East Boston, composition, 2,470 lbs., owned by City.
- Saratoga-street M. E. Church, East Boston, steel, 1,968 lbs., owned by City.
- Warren School-house, Charlestown, composition, 3,000 lbs., owned by City.

Bells owned by the City, which have been disconnected from service, are located as follows:

Berkeley Temple, composition, 2,941 lbs. Formerly used on Quincy School-house.

Chapman School-house, steel,  $3,109\frac{1}{2}$  lbs., taken down and stored by Public Buildings Department.

Engine-house No. 1, Dorchester street, South Boston, composition, 2,911 lbs.

Engine-house No. 2, composition, 800 lbs.

Engine-house No. 18, Harvard street, Dorchester, composition, 3,184 lbs.

Engine-house No. 21, Columbia road, Dorchester, composition, 3,026 lbs.

Faneuil Hall, steel, 5,816 lbs.

Ladder House No. 4, Dudley street, Roxbury, composition, 3,509 lbs.

Lawrence School-house, B street, South Boston, steel, 3,400 lbs.

Lincoln School-house, Broadway, South Boston, composition, 3,110 lbs.

Smith-street School-house, Roxbury, composition, 4,083 lbs.

Ticknor School-house, Dorchester street, Washington Village, steel, 2,995 lbs.

Trinity Church, Trenton street, East Boston, composition, 1,760 lbs. Formerly used on Castle-street Church.

Van Nostrand's Brewery, Charlestown, composition, 818 lbs. Formerly used on Boylston School-house.

Wells School-house, Blossom street, composition, 1,675 lbs.

#### PUBLIC CLOCKS.

The following public clocks, thirty-eight in number, are taken care of by the Fire Department:

#### City Proper.

Arlington-street Church. Charles-street Church. Christ Church, Salem street, owned by City.
Commercial Wharf.
Odd Fellows' Hall, Tremont street, owned by City.
Old South Church, owned by City.
Old State House, owned by City.
Park-street Church.
Suffolk County Jail, owned by City.
St. Stephen's Church, Clark street, owned by City.
Shawmut-avenue Church.
Tremont M. E. Church, owned by City.

Young Men's Christian Union, owned by City.

#### South Boston.

Gaston School-house, owned by City. Lincoln School-house, owned by City. Phillips Church, owned by City. St. Augustine Church, Dorchester street, owned by City. Ticknor School-house, Washington Village, owned by City.

#### East Boston.

Central-square Church. London-street Church, owned by City. Lyceum Hall, owned by City. Trinity Church, owned by City. Orient Heights Church, owned by City.

#### Roxbury.

Winthrop-street Church, owned by City. West End stables, Tremont street, owned by City.

#### Dorchester.

Baker Memorial (Upham's Corner), owned by City. Neponset Church. Tileston school (Mattapan), owned by City. Unitarian Church (Milton Lower Mills).

#### Charlestown.

Bunker Hill Church. City Hall, owned by City. Harvard Hill Church. High School-house, owned by City. Unitarian Church.

#### West Roxbury.

Dr. Strong's Church (South Evangelical), owned by City. Unitarian Church.

Congregational Church (Roslindale), owned by City.

#### Brighton.

Bennett School-house, owned by City.

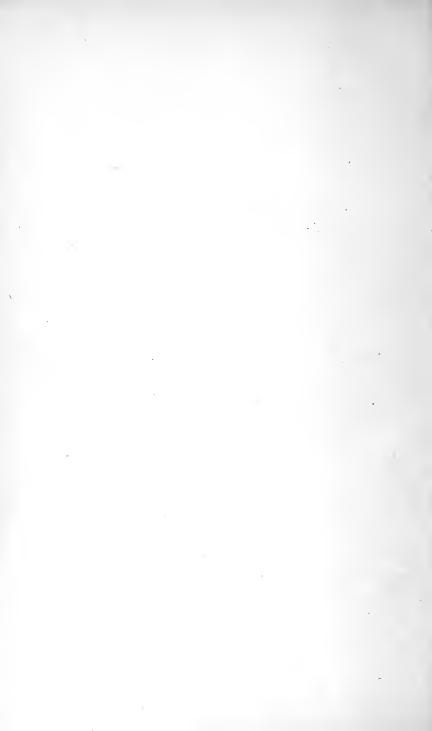
The following Fire-alarm boxes are private property : 113, 115, 117, 119, 149, 152, 161, 163, 164, 212, 227, 228, 244, 271, 279, 281, 283, 299, 342, 422, 442, 443, 445, 446, 447, 448, 449, 466, 495, 511, 533, 617, 619, 623, 624, 629, 698, 711, 714, 715, 716, 718, 722, 724, 725, 727, 728, 729, 731, 732, 733, 734, 735, 737, 739, 741, 742, 744, 745, 746, 755, 758, 759, 762, 766, 767, 773, 778, 779, 789, 791, 792, 793, 794, 795, 797, 799, 816, 828, 838, 842, 864, 865, 919, 927, 967, 969, 971, 974.

Your obedient servant,

HENRY S. RUSSELL,

Commissioner.





# 30 ANNUAL REPORT

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OF THE

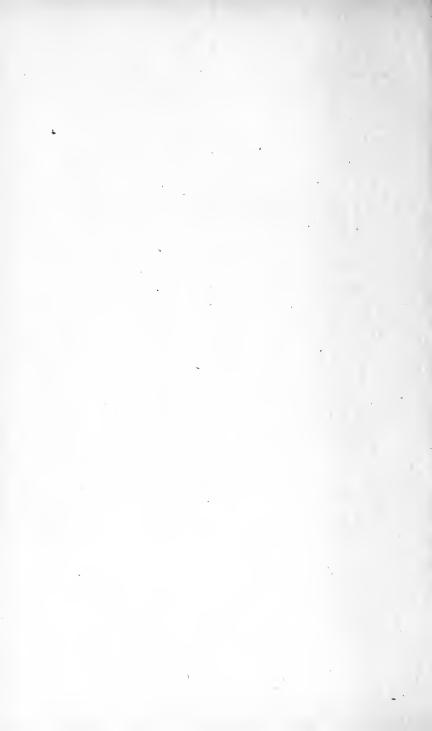
# FIRE DEPARTMENT

FOR THE

# YEAR 1902-1903



BOSTON MUNICIPAL PRINTING OFFICE 1903



ANNUAL REPORT

OF THE

# FIRE DEPARTMENT

FOR THE

# YEAR 1902-1903



U BOSTON MUNICIPAL PRINTING OFFICE 1903

Boeton. Fire Department. Dec. 12. 1903. 1913

#### FIRE COMMISSIONER, BRISTOL STREET, BOSTON, February 17, 1903.

## HIS HONOR PATRICK A. COLLINS, Mayor of the City of Boston:

SIR, — The dreaded conflagration has not overtaken us yet; and, while good fortune has played a part in the satisfactory result attained, the activity and ability with which the members of this department have handled the strengthened apparatus are, in my opinion, the main cause of our success; but it is a little discouraging to see how year after year the old conditions continue by the building of wooden structures close together in those parts of the city which offer tempting bait for conflagrations, not to mention the tinder-boxes in the heart of the city.

The different branches of the department continue to give entire satisfaction, the Fire-alarm branch having struck 10,734,947 blows during the year in its manipulation of our electrical plant, while the active fighting force has shown every disposition to deserve the high praise already accorded it by its fellow-citizens. Of the 384 horses in the service, only one has died of disease.

The fire losses during the year are 68,100 less than those of 1901, although we have had 391 more alarms than in that year.

I beg leave to express to your good self my grateful appreciation of the uniform encouragement and support with which I have been favored.

Our Roll of Merit contains the names of:

Nathan L. Hussey					Engine 23.	
Edward H. Sawyer					Ladder 4.	
Edward H. Sawyer					<b>"</b> 4.	
James F. Bailey .					Ladder 17.	
Eugene Rogers .	Ż				" 1.	
Peter Callahan .					Engine 4.	
Joseph A. Kelley .					Chemical 1.	
Timothy J. Heffron			:	•	Engine 4.	
James E. Downey		:		•	" 6.	
Frederick F. Leary			:	•	Ladder 12.	
Florence Donoghue					Combination 8.	
	•	•				
James J. O'Connor	•	•	•	•	Engine 7.	
James F. McMahon	•	•	•	•	Combination 8.	
Martin A. Kenealy					Engine 7.	
Denis Driscoll .					·· 7.	
William H. Magner					Ladder 8.	
Thomas J. Muldoon					Chemical 8.	
Dennis McGee				•	Combination 5.	
Joseph P. Hanton	•	:	•	•	Ladder 17.	
	•	•	•	•		
Michael J. Teehan	•	•	•	•	" 17.	

All of whom have distinguished themselves by exceptionally good work on occasion; but the success in putting out fires, which the department has attained, has been owing to the perpetual vigilance and uniform zeal of all the officers and men without distinction.

#### Organization.

Commissioner, HENRY S. RUSSELL; term expires May, 1904.

Secretary, BENJAMIN F. UNDERHILL.

Chief of Department, WILLIAM T. CHESWELL.

Assistant Chief, JOHN A. MULLEN.

Second Assistant Chief and Chief of District No. 5, NATHAN L. HUSSEY.

Superintendent of Fire-alarms, BROWN S. FLANDERS.

 $\mathbf{2}$ 

Assistant Superintendent of Fire-alarus, CYRUS A. GEORGE.

Superintendent of Repair-shop, HENRY M. HAWKINS.

Assistant Superintendent of Repair-shop, EUGENE M. BYINGTON.

Hydraulic Engineer, GREELY S. CURTIS.

Veterinary Surgeon, GEORGE W. STIMPSON.

Medical Examiner, RUFUS W. SPRAGUE.

Purchasing Officer, CHARLES A. STRAW.

Storekeeper, GEORGE R. WILLIAMS.

Foreman of Hose and Harness-shop, PATRICK B. HANNON.

Master Carpenter, THOMAS C. HANEY.

Master Painter, DAVID J. FITZGERALD.

#### Clerks.

#### George F. Murphy, Daniel J. Quinn, Michael J. Lafferty, James P. Maloney.

#### District Chiefs.

Patrick E. Keyes,	Headquarters,	Ladder-house 2
C. H. W. Pope,		" 9
Joseph M. Garrity,	"	" 8
Peter F. McDonough,	"	Engine-house 4
Edwin A. Perkins,	"	" 1
John Grady,	46	·· 22
Hiram D. Smith,	66	Ladder-house 12
Edward H. Sawyer,	"	" 4
Williston A. Gaylord,	"	Engine-house 18
John F. Ryan,	"	" 41
Lewis P. Abbott	"	" 28

#### FORCE AND PAY-ROLL, FEBRUARY 1, 1903.

Commissioner .					\$5,000	per annum.
Secretary					2,500	
Chief of Department	•				3,500	"
Assistant Chief					2,400	• •
Second Assistant Ch	ief			•	2,200	"
Superintendent of Fi	ire-ala	$\mathbf{rms}$	•		3,200	"
Assistant Superinten	dent o	f Fire	-alarr	ns,	2,000	"
Superintendent of R	epair-s	shop			2,000	"
Assistant Superinten				óp,	1,800	"
Hydraulic Engineer		. 1	•		1,600	""

3

4

Veterinary Surgeon		<b>2,</b> 000 per annum.
Medical Examiner		900 ° "
Purchasing Officer		1,600 "
Foreman of Hose and Harness Shop		1,400 "
Storekeeper		1,200 "
Master Carpenter		1,300 "
Master Painter		1,300 "
Bookkeeper		1,650 "
3 Clerks		1,400 "
11 District Chiefs		2,000 "
51 Captains		1,600 "
69 Lieutenants		1,400 "
46 Engineers		1,300 "
38 Assistant Engineers		1,200 "
1 Assistant Engineer		1,100 "
2 Assistant Engineers		1,000 "
493 Permanent men.		, ,
371 at		1,200 "
33 at		1,100 "
24 at		1,000 "
41 at		900 "
24 at	•	720 "
81 Call-men.		
1 at		325 "
12 at	•	250 "
68 at		200 "
11 Chiefs' Drivers		1 75 per day.
2 " "	•	2 25 "
2 Watchmen	•	1,000 per annum.
3 Hostlers (average)		1 95 per day.
1 Horseshoer	•	3 00 " "

# FIRE-ALARM FORCE.

6	Operators	•	• •	•		\$1,600	per annum.
3	Assistant C	Operato	ors .			1,200	
1	Foreman of	f <sup>°</sup> Cons	struction	ı.		1,800	"
17	Telegraphe	rs and	Lineme	en (ave	erage),	2	94 per day.

#### REPAIR-SHOP EMPLOYEES.

1 Sanitary Engineer			•	\$1,300 per annum.
1 Engineer		•	•	3 00 perday.
1 Assistant Engineer				2 50 "
1 Painter	•		•	3 75 "
1"			•	250 "

#### FIRE DEPARTMENT.

2 Wheelwrights				3	25	per day.
4 Machinists	• •			3	25	
1 Machinist			•	3	00	"
1 " .				<b>2</b>	75	"
2 Blacksmiths				3	50	"
1 Blacksmith				3	<b>25</b>	"
3 Blacksmiths' H	Ielpers			<b>2</b>	50	"
1 Hose and Hari				1	50	"
4 Laborers (aver	age) -			<b>2</b>	05	

883 total force.

#### FIRE DISTRICTS.

The city is divided into twelve fire districts, as follows :

#### District 1.

All that part of Boston known as East Boston.

#### District 2.

All that part of Boston formerly known as Charlestown.

#### District 3.

The territory bounded on the north and east by the water front, on the south by Summer street, and on the west by Washington and Charlestown streets.

#### District 4.

The territory bounded on the north by the Charles river, on the east by Charlestown and Washington streets, on the south by Winter, Park and Beacon streets, and on the west by the Charles river and Berkeley street.

#### District 5.

The territory bounded on the north by Beacon, Park, Winter and Summer streets, on the east by Fort Point channel, on the south and west by Broadway, Way, Motte, Castle and Ferdinand streets, Columbus avenue and Berkeley street.

#### District 6.

All that part of Boston known as South Boston, and running south as far as Dorset and Locust streets.

#### CITY DOCUMENT NO. 16.

#### District 7.

The territory bounded on the north by Berkeley street, Columbus avenue, Ferdinand, Castle, Motte and Way streets and Broadway, on the east by Fort Point channel and South bay, on the south by Massachusetts avenue, and on the west by the Charles river.

#### District 8.

The territory bounded on the north by the Charles river and Massachusetts avenue, on the east by Washington street, on the south by Atherton and Mozart streets, Chestnut avenue, Sheridan and Centre streets, Hyde square, Perkins, Catalpa and Castleton streets, across Jamaicaway to the Brookline line, and on the west by the Brookline line, Beacon and Deerfield streets.

#### District 9.

The territory bounded on the north by Massachusetts avenue, South bay, Dorset and Locust streets, on the east by Dorchester bay, on the south by Freeport, Hancock, Bowdoin and Quincy streets, Columbia road, and on the west by Seaver street, Columbus avenue and Washington street.

#### District 10.

That part of Dorchester bounded on the north by Seaver street, Columbia road, Quincy, Bowdoin, Hancock and Freeport streets, on the east by Dorchester bay, on the south by the Neponset river and the Hyde Park line, and on the west by Harvard street and Blue Hill avenue.

#### District 11.

All that part of Boston known as Brighton, and extending east as far as Deerfield and Beacon streets.

#### District 12.

All that part of Boston known as West Roxbury, bounded on the north by a line from the Brookline line across Jamaicaway to Castleton street, through Castleton, Catalpa and Perkins streets, Hyde square, Centre and Sheridan streets, Chestnut avenue, Mozart and Atherton streets, Columbus avenue and Seaver street, on the east by Blue Hill avenue and Harvard street, on the south by the Hyde Park and Dedham lines, and on the west by the Newton and Brookline lines.

In all cases where streets are designated as boundaries, the centre of the street will be the dividing line.

#### Assignment of Districts.

Each district is placed under the charge of a District Chief, as follows:

		COMPANIES IN DISTRICTS.								
District.	Chief in Command.	Engines.	Chemical Engines.	Ladders.	Combinations.	Water Towers.				
1	Patrick E. Keyes	5, 9, 11, 40	7	* 2	4					
2	С. н. W. Роре	27, 32, 36	9	* 9	5, 7					
3	Joseph M. Garrity	8, 25, 31, 44		* 8, 14						
4	Peter F.McDonough,	* 4, 6, 10	1	1	8	1				
5	Nathan L. Hussey	7, * 26, 35	2	17						
6	Edwin A. Perkins	* 1, 2, 15, 38, 39, 43	8	5, 18	2, 3	3				
7	John Grady	3, * 22, 33	4	3, 13, 15		<b>2</b>				
8	Hiram D. Smith	13, 14, 37	12	* 12	10					
9	Edward H. Sawyer	12, 21, 23, 24	10	* 4	6					
10	Williston A.Gaylord,	16, 17, * 18, 19, 20	<i>.</i>	6, 7	1, 11					
11	John F. Ryan	29, 34, * 41	6	11						
12	Lewis P. Abbott	* 28, 30, 42, 45	5	10, 16	9					

\* Headquarters of District Chief.

The following property is in charge of the Fire Commissioner:

Location.	Number of feet in lot.	Assessed Valuation.	Occupied by
Dorchester and Fourth sts	8,169	\$25,800	Engine 1 and Ladder- house 5 on this lot.
Corner of O and Fourth sts	4,000	16,400	Engine 2.
Bristol st. and Harrison ave	4,000	30,000	Engine 3 and Ladder 3.

Houses.

Houses. —	Continued.
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		·····	
Location.	Number of feet in lot.	Assessed Valuation.	Occupied by
Bulfinch st	6,098	96,000	Engine 4, Chemical 1 and Tower 1.
Marion st., East Boston	1,647	9,000	Engine 5.
Leverett st	2,269	35,000	Engine 6.
East st	1,893	35,400	Engine 7.
Salem st	2,568	22,800	Engine 8.
Paris st., East Boston	4,720	29,200	Engine 9 and Ladder 2.
River st	1,886	20,000	Engine 10.
Saratoga and Byron sts.,East Boston,	10,000	38,500	Engine 11 and Combina- tion 4.
Dudley st	7,320	25,000	Engine 12.
Cabot st	4,832	16,000	Engine 13.
Centre st	5,713	14,600	Engine 14.
Dorchester ave	2,803	20,000	Engine 15.
Corner River and Temple sts	12,736	19,200	Engine 16 and Ladder 6.
Meeting House Hill, Dorchester Dis- trict	9,450	17,300	Engine 17 and Ladder- house 7 on this lot.
Harvard st., Dorchester District	9,440	18,300	Engine 18.
Norfolk st., " "	7,683	14,200	Engine 19.
Walnut st., " "	9,000	16,800	Engine 20 and Combina- tion 11.
Columbia road " "	10,341	17,100	Engine 21.
Warren ave	7,500	62,500	Engine 22 and Ladder 13.
Northampton st	3,445	13,200	Engine 23.
Corner Warren and Quincy sts	4,186	18,100	Engine 24.
Fort Hill sq	4,175	88,100	Engine 25, Ladder 8 and Ladder 14.
Mason st	5,623	113,000	Engine 26 and Engine 35.
Elm st., Charlestown District	2,600	18,000	Engine 27.
Centre st., Jamaica Plain	10,377	28,300	Engine 28 and Ladder 10.
Chestnut Hill ave., Brighton District,	14,358	37,200	Engine 29 and Ladder 11.
Centre st., West Roxbury District	12,251	25,060	Engine 30 and Combina- tion 9.
Bunker Hill st., Charlestown District,	8,188	26,200	Engine 32.
Corner Boylston and Hereford sts	5,646	66,000	Engine 33 and Ladder 15.
Western ave., Brighton	4,637	17,800	Engine 34.
Monument st., Chariestown District,	5,668	21,000	Engine 36 and Combina-
Corner Longwood and Brookline aves	5,231	13,200	tion 5. Engine 37 and Combina- tion 10.

#### Houses. - Concluded.

Loca ion.	Number of feet in lot.	Assessed Valuation.	Occupied by
Congress st	4,000	37,000	Engine 38 and Engine 39.
Sumner st., East Boston	4,010	18,000	Engine 40.
Harvard ave., near Cambridge st., Brighton District	6,112	25,500	Engine 41 and Chemical 6.
Washington, between Atherton and Beethoven sts	3,848	22,900	Engine 42 and Chemical 5.
Andrew sq	5,133	20,100	Engine 43 and Comhina tion 3.
Washington, corner Poplar st., Ros- lindale	14,729	22,400	Engine 45 and Ladder 16.
Church st	3,412	2 <b>3,</b> 600	Chemical Engine 2.
Shawmut ave	889	5,700	Chemical Engine 4.
Saratoga st., East Boston	9,300	25,600	Chemical Engine 7.
B st	1,804	7,800	Chemical Engine 8.
Eustis st	1,754	7,500	Chemical Engine 10.
Friend st	1,676	34,000	Ladder 1.
Dudley st	3,923	26,000	Ladder 4.
Main st., Charlestown	4 <b>,2</b> 90	17,700	Ladder 9 and Chemical 9.
Tremont st	4,311	25,700	Ladder 12 and Chemical 12.
Harrison ave	2,134	24,100	Ladder 17.
Pittsburgh st., South Boston	11,363	29,400	Ladder 18.
Dorchester ave., Ashmont	4,875	22,900	Combination 1.
Fourth st	3,101	11,000	Combination 2.
Washington st., Dorchester	6,874	21,400	Combination 6.
Winthrop st	3,000	13,200	Combination 7.
North Grove st	3,918	18,000	Combination 8.

A	ssessed Valuation.
Fuel-house, Dorchester street, 1,610 feet of land,	\$3,300.
Fuel-house, Salem street, 417 feet of land .	3,400.
Fuel-house, Main street, Charlestown, 2,430	
feet of land	7,200.
Headquarters building and repair-shop, corner	
of Albany and Bristol streets, 23,679 feet.	185,000.
Water Tower No. 2 and Wrecking Wagon are	
in Headquarters building.	
Veterinary Hospital, Atkinson street, 64,442	
feet of land	. 36,300.
Fuel-house, Washington, near Dover street,	,
1,007 feet of land	13,500.

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STEAM FIRE-ENGINES Forty-three in service, located as follows: Twelve in City proper, four in East	South Boston, five in Roxbury, six in Dorchester, three in Charlestown, four in West Roxbury, and three in I
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Engine Companies.

st Boston, six in Brighton. FIRE-BOAT -- One, located India Wharf. HORSE HOSE-WAGONS. -- Forty-three, located as follows: Twelve in City proper, four in East Boston, six in South Boston, five in Roxbury, six in Dorchester, three in Charlestown, four in West Roxbury, and three in Brighton.

	Size. נו נו נו נו	। ब ब ् ब ब ब ब ब ब ब ब	
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fo reter of Quantump.	104004 1818		70 4 10 848 44
Diameter of Cylinder.	80001 L	0000 0000	8 1- 6
Put in Service.	25, 1 14, 1	Nov., 1200 June, 1895 March 30, 1896 Dec. 20, 1901 March 1, 1882 March 27, 1882	April 1, 1890 Sept. 17, 1870 Feb., 1893
Built by	·	Amorican Fire Eng. Co., Manchester Loco. Works, Formerly Slisby Engine 33, rebuilt by American Fire Eng. Co Manchester Loco. Works, Amoshester Loco. Works,	Clapp & Jones Mfg. Co., Amoskeag Mfg. Co American Fire Eng. Co.,
Location.	Dorchester, near Fourth, S. B., Fourth, cor. O, South Boston Harrison ave., cor. Bristol st Bulfhach st Marion st., East Boston Leverett st	East st	Cabot st Centre st Dorchester ave. and Broadway
No.		1110 98 4 121 98 4	15

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CITY DOCUMENT NO. 16.

Second "	11 11	Third "	11 11	11 11	11 11		Second "				Third "	First "	Extra first size.			Second size.	11 10	11 11	Third "	2 sets of pumps 4,790 gallons.*	Second size.	11 11	11 11		Double extra first size.	Third size.	Second "		Double extra first size.	First size.		Constant of the	CACOLICI SIZE.
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July	May,	Nov.	Dec.	Nov.,	Dec.	,	Jan.,			July	Feb.	Nov.,	June,			June	April 2	Jan.	Oct.	July	Marc	April	Dec.,		Jan.,	Dec.	March,		June,	June 14,		F	June ou,
Amoskeag Mfg. Co (Old Engine 27.)	Amoskeag Mfg. Co	Manchester Loco. Works,	Clapp & Jones Mfg. Co.,	Manchester Loco. Works,	Clapp & Jones Mfg. Co.,	Rebuilt by American Fire	Eng. Co	Formerly Silsby Engine	o, repuilt by American	Fire Eng. Co	Clapp & Jones Mfg. Co.,	Manchester Loco. Works,	La France Fire Eng. Co.,	Formerly Silsby Engine	40, rebuilt by American	Fire Eng. Co	Silsby Mfg. Co	Hunneman & Co	Clapp & Jones Mfg. Co.,	Clapp & Jones Mfg. Co.,	Manchester Loco. Works,	Manchester Loco. Works,	Amoskeag Mfg. Co	Manchester Loco. Works,	Self-propeller	Manchester Loco. Works,	Manchester Loco. Works,	Manchester Loco. Works,	Self-propeller	Manchester Loco.Works,	Formerly Silsby Engine	16, rebuilt by American	FIFE Eng. Co
16 Temple st., Dorchester	Meeting House Hill, Dorches'r.	Harvard st., Dorchester	Norfolk st., Dorchester	Walnut st., Dorchester	Columbiá road, Dorchester	Warren ave		Northampton st			Warren, cor. Quincy st	Fort Hill sq	Mason st	Elm st., Charlestown			Centre st., Jamaica Plain	Chestnut Hill ave., Brighton	Centre st., West Roxbury	Central wharf (spare Fire-boat)	Bunker Hill st., Charlestown.	Boylston st	Western ave., Brighton	Mason st		Monument st., Charlestown	Longwood ave	Congress st., South Boston		Congress st., South Boston	Sumner st., East Boston		
16	17	18	19	20	21	22		23			24	25	26	21			28	29	30	5	32	ŝ	34	35		36	37	38		39	40		

## FIRE DEPARTMENT.

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	Third size.  2 sets of pumps 6,520 gallons.* Third size.		Second size, 	
Stroke.	7 7 10 7	-		
Diameter of Quurg.	$ \left. \begin{array}{c c} 4\frac{8}{8} & 7 \\ \text{Rotary.} \\ \text{Rotary.} \\ \frac{4\frac{8}{8}}{10} \\ \text{P.10} \end{array} \right  10 \\ \left. \begin{array}{c} 1 \\ 10 \\ 4\frac{8}{8} \\ 1 \end{array} \right  10 \\ \end{array} $	_	5 48 44 44 44 44 44 44 44 44 44 44 44 44	
Diameter of Cylinder.	7 7 12業田. 18 L.	_	8 4 6 4 6 4 7 4 7 6 6 7 1 8 4 6 4 6 7 7 7 7 6 6 7	
rvice.	$1893 \\ 1893 \\ 1893 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ 1895 \\ $	mlnute.	1869 1879 1879 1877 1872 1872 1890 1890 1890 1890 1807 1807 1807 1807 1807 1807 1807 180	ons.
Put in Service.	Feb., Feb., March 3, Aug., Jan.,	revolutions per ln Reserve.	April 26, April, Dec., Dec., Sept., Nov., Sept., July, Sept., Nov., Nov., Nov., May,	Also five hose wagons.
Built by	Clapp & Jones Mfg. Co., American Fire Eng. Co., Clapp & Jones Mfg. Co., American Fire Eng. Co., American Fire Eng. Co.,	* At 225 revolutions per mlnute. In Reserve.	Freeman & Jucket Clapp & Jones Mfg. Co., Manchester Loco. Works, Amoskeag Mfg. Co Amoskeag Mfg. Co Amoskeag Mfg. Co Clapp & Jones Mfg. Co Maskeag Mfg. Co Silsby Mfg. Co Amoskeag Mfg. Co Amoskeag Mfg. Co Amoskeag Mfg. Co	Also five
Location.	Harvard ave., Brighton Washington, between Atherton and Beethoven sts Andrew sq., South Boston India wharf (Fire-boat) Washington, corner Poplar st, Roslindale		01d 8 01d 39 01d 19 01d 17 (Crane neck) 01d 4 (Straight frame) 01d 37 01d 25 01d 25 01d 25 01d 23 01d 23 01d 23	
No.	41 42 43 44 45	-	AWOUHF0H1	

Engine Companies. -- Concluded.

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CHEMICAL ENGINES. — Ten in service, self-acting, located as follows: Three in the City Proper, one in East Boston, one in Charlestown, one in South Boston, two in Roxbury, one in West Roxbury, and one in Brighton.

Capacity.	Gals. 100 160	170 160 160 100 100 100 100 80 80
Put in Service.	Ctt., 1890 April 25, 1874 Used as a spare en- gine and put in ser- vice Dec. 20, 1895	Sept. 21, 1876 May 1, 1876 Sept. 27, 1886 Oct. 27, 1887 July 17, 1889 Sept. 13, 1889 Sept. 13, 1899 Sept., 1896
Builders.	Babcock Manufacturing Co " Rebuilt by Hinman in 1886	Altered by Hinman
Location.		wasung wul, oet weet Auteron and beeth- oven sits
Number.	4 2 <b>1</b>	ar-ac00

FIRE DEPARTMENT.

# 0010 ..... ..... ..... Babcock Manufacturing Co.... Charles T. Holloway..... ••••• Spare..... GBB

In Reserve.

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LADDER TRUCKS. — Bighteen in service, including five extension ladder trucks, located as follows: Seven in City Proper, one in East Boston, two in Roxbury, two in South Boston, two in Dorchester, one in Charlestown, two in West Roxbury, and one in Brighton.

Number.	Location.	Builders.	Put in Service.	vice.	Number of Ladders.
132911099876 54432	1       Friend st.         2       Paris st., East Boston         3       Farris st., East Boston         3       Farris st., East Boston         4       Dudley st., Roxbury         5       Fourth, near Dorchester st.         7       Meeting House Hill         8       Fourthills, near Dorchester st.         9       Fourthill sq.         9       Centre st., Jamaie Plain         1       Chestnut Hill ave., Brighton         2       Tremont st., Roxbury	Hunneman & Co. Rebuilt by Charles Waugh & Co	Aug. 24, Jugue 2, Jugue 2, Mov. 4, July 28, Aug. 18, Aug. 23, Aug. 23, July 31, July 31, March 12,	24, 1901 25, 1886 25, 1884 4, 1902 4, 1902 4, 1902 56, 1873 1898 23, 1898 23, 1898 23, 1872 13, 1872 14, 1972 14, 1972 1	12 12 14 15 15 17 17 17 17 16 15 12 12 12 14 15 12 12 13 5 14 34 85 15 17 17 17 17 17 17 17 17 17 17 17 17 17
14 15	Fort Hill sq Boylston st Washington, cor. Poplar st., Roslin-		Jan. 30, April 28,	30, 1893 28, 1888	Extension Extension
17	dale Harrison ave Pittsburgh st	Repair-shop Preston Co., Chigago International Fire Engine Co	Sept., April 29, Oct. 14,	1888 29, 1891 14, 1902	15 Extension 87 feet Extension

C. a strand a strand		ension.	bury, two	Capacity.	6als 70 70 70 70 70 70 70 70 70
		Extension.	oston, one in Rox rlestown.	Put in Service.	March, 1892 Jan., 1892 Dec. 30, 1902 Jan., 1898 Jan., 1898 Nov. 1898 Nov. 1, 1899 April 29, 1899 April 25, 1900 Oct., 1901 Nov., 1901
	Builders.	ombination in 1900. ira, N. Y.	s. City Proper, one in East B xbury. Dorchester and one in Cha		Chemical and Hose
In Keserve.	<u>е</u>	Fire Department Repair-shop. Hunneman & Co. Rebuilt as Combination in 1900. La France Fire Engine Co., Elmira, N. Y Abbott & Downing.	<b>Combination Companies.</b> CoMBINATION TRUCKS.—Nine in service, located as follows: One in City Proper, one in East Boston, one in Roxbury, two in South Boston, one in Charlestown, two in Dorchester, and one in West Roxbury. COMBINATION WAGONS.—Two in service, located as follows: One in Dorchester and one in Charlestown.	Built by	Dorchester ave., Ashmont         Charles T. Holloway           Dorchester ave., Ashmont         Fire Extinguisher Mfg. Co.           Andrew sq., South Boston         Fire Extinguisher Mfg. Co.           Saratoga, cor. Byron st., E.B.,         Charles T. Holloway           Monument st., Charlestown         Charles T. Holloway           Washington st., Darlestown         Charles T. Holloway           Washington st., Darlestown         Fire Extinguisher Mfg. Co.           Withrop st., Charlestown         Fire Extinguisher Mfg. Co.           Wouth Grove st.         Fire Extinguisher Mfg. Co.           Centre st., West Roxbury         Charles T. Holloway & Co.           Longwood ave.         Charles T. Holloway & Co.           Longwood ave.         Charles T. Holloway & Co.
	Description.	Relief B, old 8	NATTON TRUCKS. — Nine in servictor, one in Charlestown, two in NATION WAGONS. — Two in SERV	Location.	Dorchester ave., Ashmont Fourth st., South Boston Andrew sq., South Boston Saratoga, cor. Byron st., E.B., Monument st., Charlestown Vinthrop st., Charlestown Vorth Grove st Centre st., West Roxbury Longwood ave
		Relief B, old Old Ladder 1 '' ''	COMBU in South Bos COMBU	Number.	1.22.24.0.01.000011

In Reserve.

FIRE DEPARTMENT.

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WATER-TOWERS. - Two, located in City Proper.

Number.	Location.		Builders.			Put in Service.
	Bulfinch st May 17, 1890.	Kansas City	Fire Departı	nent Supply	Co	May 17, 1890
2	Bristol st		11 17 11 11	**		" " Dec. 18, 1893.

PORTABLE EXTINGUISHERS. -- Carried on all of the ladder trucks and hose-wagons and located in the department houses. FUEL-WAGONS. -- Thirty-nine, each capable of conveying about two tons.

PUNGS. -- Forty-eight; forty-three for carrying hose, two for jobbing, and three for Fire-alarm branch. District-chiefs' WAGONS. — Seventeen for chief of depârtment and district-chiefs (fourteen in service and three in reserve) and one buggy.

drill; one duplex and one Blake pump for feeding boilers; one Knowles triplex pump for testing hose; one patent goose-neck belt drill; one band-saw; one circular saw; one monarch boring machine; together with numerous smaller tools and appliances, and also 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; four blacksmith's forges; one furnace for heating tires; one 28-inch swing standard engine lathe; one 14-inch speed lathê, 5'ft. bed; one 14-inch swing patent engine lathe, 5-ft. bed; one 25-inch shaping machine; one 68-inch radial REPAIR-SHOP. -- In the repair shop one 25-horse-power steam engine, cylinder 9 by 31 inches, Putnam Machine Company tools for repairing hose and harness. sleighs, seven.

Three upright tubular boilers, 100-horse-power.

Two dynamos for lighting and fire-alarm; one tire upsetter in the blacksmith shop; one No. 2 Blake pump in the hose and harness-shop for testing hose

## FIRE DEPARTMENT.

NEW APPARATUS PURCHASED DURING THE YEAR.

1 extra first-size Amoskeag engine (second-hand).

- 4 first-size hose wagons with rubber tires.
- 1 aerial truck.
- 1 combination truck.

Amount of hose purchased and condemned during the year:

Purchased	ι.		Conder	nned.
Leading cotton,	10,500	feet.	$6,\!100$	feet.
" rubber,		"	1,800	"
Chemical,	1,000	44	1,100	"
Suction,	198	"	105	"
Totals,	12,998	"	9,105	"

Amount of hose in use and in store February 1, 1903:

ln Us	е.		In St	ore.
Leading cotton	, 87,600	feet.	18,050	feet.
	r, 5,250	"	2,150	"
Chemical,	10,450	"	950	"
Suction,	906	"	148	"
Totals,	104,206	"	$21,\!298$	"

#### Horses.

Purchased during the year			60
Sold or exchanged			41
Died			1
Killed for cause			9
Killed in service			1
Number in the department			382
-			

## CITY DOCUMENT No. 16.

#### Salaries \$989,416 45 . Repairs of apparatus . . 40,376 20 • " " houses . . 18,941 98 . 11,353 52 18,110 37 $850\ 12$ 30,146 88 . 11.484 30 2,368 08 . 2,938 75 . 8,775 48 8,584 77 . Horse-hire and keeping . . . Hay, grain and straw . . . 3,038 21 . 43,181 60 • . 3,641 95 . 17.528 73 Shoeing . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .</ 2,995 20 2.889 39 • 1,025 91 189 33 744 30Extra service . . . . . 1,548 93 45 32 . 5,606 72 . 64,478 63 $8.365 \ 01$ 7,260 72 Construction and material, fire-alarm branch, Underground construction . . . 11.514 35 1 19 Salt water fire-service . . . . \$1,317,402 39 \_\_\_\_\_ INCOME. Sale of manure . . \$20 00 . . Rent . . . . . . . Old material . . . 40 00 . 500 88

#### EXPENDITURES FOR THE YEAR.

 Old material
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# FIRE DEPARTMENT.

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BUILDINGS.		.938msb idgll2	13	62	ť	8	11	102	65	8	83	88	123	108	988
A		No damage.	66	34	36	65	70	67	65	44	57	59	E	65	678
		Out of city.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	67	00	:	00	1	2	3	-	1	¢1	~	24
		.szaibliud ai toN	64	35	51	31	73	12	14	12	14	32	п	10	419
	.81	Extended to othe	61	1	61	7	+	80	ũ	က	61	ŝ	ŝ	57	39
	·Sa	blind ot boañaoO	121	106	119	147	151	177	130	108	141	146	212	187	1,745
	STILL.	Needless.	Ξ	10	30	15	10	17	21	14	$^{21}$	14	35	26	214
<i>v</i> o	ITS	.91î'î	8	65	8	22	46	108	54	51	50	81	95	69	885
ALARMS.	PH.	Needless.	6	٢	10	13	9	6	9	5	က	6	10	11	16
AL.	GRA	False.	4	5	9	5	CJ	12	63	5	ç	ŝ	17	15	78
	TELEGRAPH.	Fire.	107	79	112	110	137	150	76	121	108	101	133	133	1,342
30,8	Gontents.	INSURANCE.	\$918,300	282,275	111,500	354,765	344,083	315,913	166,568	233,525	188,350	155,980	1,544,647	871,172	\$5,487,078
Tverre	MOSUL	Buildings.	\$2,427,914	771,600	1,208,305	732,250	1,404,734	1, 326, 500	702,849	591,400	699,575	1,057,557	1,318,077	1,246,175	\$13,486,936
T Occ	.000	.atastroO	\$166,821	75,116	21,769	78,465	51,890	114,268	25,454	34,995	18,147	39,613	261,463	282,448	\$1,170,449
1.6	Ă.	.ezaiblinU	\$90,384	44,996	22,970	41,812	26,002	49,778	17,707	41,085	14,545	26,076	106,612	110,203	\$592,170
		Total.	214	166	211	214	249	236	180	150	187	208	290	251	2,616
ED.		.awonáuU	4	-	ero	00	г	s	C1	5	ŝ	ŝ	16	12	8
CEIV	HOM.	A utomatic.	9	9	11	5	5	13	П	4	œ	4	5	14	III
RE	I WF	Telephone.	17	4	12	œ	Π	10	6	t-	90	12	16	12	126
ALARMS RECEIVED	FROM WHOM	Citizens.	153	137	153	160	185	218	136	611	150	161	194	185	1,951
A		Police.	24	16	27	24	38	38	18	13	6	19	30	24	280
		Members.	10	<u>61</u>	5	2	5	10	4	67	r	6	13	4	85
		MONTHS. 1902-1903.	1902. February	March	April	May	June	July	August	September	October	November	December	Jauuary	Totals

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# CITY DOCUMENT NO. 16.

# CAUSES OF FIRES AND ALARMS FROM FEBRUARY 1, 1902, TO FEBRUARY 1, 1903.

Aleman entitlement enternation				0.0
Alarms, accidental automatic	•	•	•	96
" false	•	·	·	78
" out of city	•	•	• ,	24
Ashes, hot, in wooden receptacle .	•	•	•	39
Boiling over of fat or tar	•	•	•	32
Bonfires, grass, rubbish, etc., set by boys .				362
Boys breaking windows				1
Careless use of lamps, candles, etc.				48
" " pipes and cigars in smokin	ng			47
Chimneys, soot burning	•			98
" defective				39
Clothes too near stove				9
Cry of "Help" mistaken for fire .				1
Defective flue				$1\overline{2}$
" stove-pipe.				4
" furnace			•	$\overline{6}$
" fireplace	•	·	·	6
" oven	•	·	•	$\frac{1}{2}$
" automobile	•	·	•	ĩ
	•	•	·	$14^{1}$
" gas-pipe Electric motor igniting car	•	·	·	
	•	•	·	4
" wires	•	•	·	32
Explosion and ignition of chemicals	•	·	·	8
Fireworks	•	•	·	30
Friction	•	•	·	4
Fumigating	•	•	•	6
Gas, explosion of	•	•		3
" jet setting fire	•		•	39
" stove, careless use of, and explosion.				16
Hot iron igniting woodwork	•			3
Incendiary	•			47
" supposed	•			21
Kerosene used to light fire				1
Lamp explosion				53
" upsetting and breaking .				71
Light mistaken for fire				16
Lightning				3
Matches and rats				24
" " children		•	•	82
" careless use of	•	•	•	163
Meat burning on stove	•	·	•	6
Naphtha, careless use of, and ignition	•	·	•	29
Oil stove, careless use of, and explosion .	•	·	•	$\frac{25}{92}$
on surve, careress use of, and expression .		•	•	01

# FIRE DEPARTMENT.

Overheated 1	poiler or st	eam-pij	ре					19
"	stove or fu	rnace						41
Plastering, d	rying .							6
Plumber's st		ing			•			6
Set by boys								87
Slacking of	lime .							1
Smóky chim	neys .							48
	e or furnace	э.	•					68
Sparks from	another fir	е.						3
·	boiler .							6
" "	chimney							41
** **	engine or	locome	otive					29
** **	forge .							10
" "	furnace or	stove						22
" "	open grate	• •						2
	trolley with							1
Spontaneous	combustio	n.						58
Steam escap								9
Train wreck								1
Unknown						- •		465
Water-pipes,	thawing o	ut.						-19
Water-back	bursting						<i>′</i> .	<u>9</u>
	U							
Total								2,616
								California and
		Exting	iishea	d by				
Extinguisho		U		U				420
Extinguisher Buckets of v		•	•	·	•	•	·	276
Chemical eng		•	·	•	·	·	·	450
Hydrant stre		•	•	•	·	•	•	198
Steamers .	am .	•	•	•	·	•	•	381
Miscellaneou	· · ·	utomni	•	· nt on	d am	athani		171
Citizens .	is, brooms,	stampt	ng u	ut an	u sm	other	ng,	301
Sprinklers	• •	•	·	·	•	•	·	6
-	• •	•	·		·		:	
	of constru							
work done f	or the mai	ntenau	ice a	nd op	eratio	on of	the	Fire-
alarm branch	1 for the ye	ear end	ing <sub>e</sub>	Janua	iry 31	,190	3:	
Overhead wi	re used, chi	iefly fo	r reb	uild-				
	ines in C							
East Bost						366,9	960	feet.
Old wire tak	en down.					385,-		66
Cable run or						9,	070	• 4
Conductors i	in same .					54,	521	"
Overhead ca		own				4,	295	""

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#### CITY DOCUMENT NO. 16.

Conductors in same			24	4,376	feet.
Underground cable laid in N. E	. tele	-			
phone ducts			1	3,524.9	"
Ducts put in by this department			;	3,257	"
Total ducts owned by city .			1	3,537.8	"
Total underground cable laid			19	9,471	"
Conductors in same			49	3,375	
Total cable under ground Februa	ary 1	L,		·	
1903			193	3,461.5	"
Conductors in same			5,22	8,218.9	"
Service connections					15
Boxes rebuilt					72
Cross-arms used					730
New boxes added to service, in	cludi	ng 1	5 wit	h	
auxiliary attachment .					18
Boxes changed to keyless door					2
Boxes changed to lamp-posts					5
New lamp-posts set					11
Lamp-posts set to replace posts bro	oken	by ac	ciden	t,	6
Boxes in service	•				647
Bell alarms struck in year endin	ng D	ecem	ber 3	1,	
1902					1,566
Blows struck on bells, gongs and	tapp	oers		10,73	4,147
0					

#### ALARM BELLS.

The Fire-alarm Telegraph is connected with the following bells :

- Adams School-house, Sumner street, East Boston, steel, 2,995 lbs., owned by city.
- Bunker Hill School-house, Charlestown, composition, 2,009 lbs., owned by city.
- City Hall, Charlestown, composition, 3,600 lbs., owned by city.
- Engine-house No. 16, Temple street, Dorchester, composition, 4,149 lbs., owned by city.
- Engine-house No. 17, Meeting House Hill, Dorchester, composition, 4,000 lbs., owned by city.
- Engine-house No. 19, Mattapan, Dorchester, composition, 2,927 lbs., owned by city.
- Engine-house No. 20, Walnut street, Dorchester, composition, 3,061 lbs., owned by city.
- Engine-house No 28, West Roxbury, composition, 4,000 lbs., owned by city.
- Engine-house No. 29, Brighton, steel, 1,535 lbs., owned by city.

- Engine-house, Mt. Vernon street, West Roxbury, steel, 1,000 lbs., owned by city.
- Engine-house No. 34, Brighton, composition, 1,501 lbs., owned by city.
- Engine-house No. 41, Allston, composition, 900 lbs., owned by city.
- Engine-house No. 45, Roslindale, composition, 1,059 lbs., owned by city.
- Lewis School-house, Dale street, Roxbury, composition, 3,104 lbs., owned by city.
- Maverick-street Church, East Boston, composition, 2,000 lbs.
- Princeton-street School-house, East Boston, composition, 2,470 lbs., owned by city.
- Saratoga-street M. E. Church, East Boston, steel, 1,968 lbs., owned by city.
- Warren School-house, Charlestown, composition, 3,000 lbs., owned by city.

Bells owned by the city, which have been disconnected from service, are located as follows:

- Berkeley Temple, composition, 2,941 lbs. Formerly used on Quincy School-house.
- Chapman School-house, steel, 3,109½' lbs., taken down and stored by Public Buildings Department.
- Engine-house No. 1, Dorchester street, South Boston, composition, 2,911 lbs.
- Engine-house No. 2, composition, 800 lbs.
- Engine-house No. 18, Harvard street, Dorchester, composition, 3,184 lbs.
- Engine-house, No. 21, Columbia road, Dorchester, composition, 3,026 lbs.
- Faneuil Hall, steel, 5,816 lbs.
- Ladder-house No. 4, Dudley street, Roxbury, composition, 3,509 lbs.
- Lawrence School-house, B street, South Boston, steel, 3,400 lbs.
- Lincoln School-house, Broadway, South Boston, composition, 3,110 lbs.
- Smith-street School-house, Roxbury, composition, 4,083 lbs.
- Ticknor School-house, Dorchester street, Washington Village, steel, 2,995 lbs.
- Trinity Church, Trenton street, East Boston, composition, 1,760 lbs. Formerly used on Castle-street Church.
- Van Nostrand's Brewery, Charlestown, composition, 818 lbs. Formerly used on Boylston School-house.
- Wells School-house, Blossom street, composition, 1,675 lbs.
- Winthrop School-house, Charlestown, composition, 3,000 lbs.

#### Public Clocks.

The following public clocks, thirty-eight in number, are taken care of by the Fire Department:

#### City Proper.

Arlington-street Church.

Charles-street Church.

Christ Church, Salem street, owned by city.

Commercial Wharf.

Odd Fellows' Hall, Tremont street, owned by city.

Old South Church, owned by city.

Old State House, owned by city.

Park-street Church.

Suffolk County Jail, owned by city.

St. Stephen's Church, Clark street, owned by city.

Shawmut-avenue Church.

Tremont M. E. Church, owned by city.

Young Men's Christian Union, owned by city.

#### South Boston.

Gaston School-house, owned by city. Lincoln School-house, owned by city. Phillips Church, owned by city. St. Augustine Church, Dorchester street, owned by city. Ticknor School-house, Washington Village, owned by city.

#### East Boston.

Central-square Church. London-street Church, owned by eity. Lyceum Hall, owned by eity. Trinity Church, owned by eity. Orient Heights Church, owned by eity.

#### Roxbury.

Winthrop-street, Church, owned by city. Boston Elevated Railway Car-house, Columbus avenue.

#### Dorchester.

Baker Memorial (Upham's Corner), owned by city. Neponset Church. Tileston school (Mattapan), owned by city. Unitarian Church (Milton Lower Mills).

#### Charlestown.

Bunker Hill Church. City Hall, owned by city. Harvard Hill Church. High School-house, owned by city. Unitarian Church.

#### West Roxbury.

Dr. Strong's Church, (South Evangelical), owned by city. Unitarian Church, Jamaica Plain, owned by city. Congregational Church (Roslindale), owned by city.

#### Brighton.

Bennett School-house, owned by city.

The following Fire-alarm boxes are private property: 113, 117, 119, 149, 152, 161, 163, 164, 166, 212, 223, 227, 228, 244, 271, 281, 283, 297, 299, 342, 422, 434, 442, 443, 445, 446, 447, 448, 449, 466, 467, 468, 495, 511, 533, 617, 619, 624, 629, 698, 711, 714, 715, 716, 718, 722, 724, 725, 727, 728, 729, 731, 732, 733, 734, 735, 736, 737, 739, 741, 742, 744, 745, 746, 755, 758, 759, 762, 766, 767, 773, 778, 779, 789, 791, 792, 793, 794, 795, 796, 797, 799, 816, 828, 838, 842, 864, 865, 919, 927, 967, 969, 971, 974.

Your obedient servant,

HENRY S. RUSSELL, Commissioner.

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