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TWENTY-SEVENTH

ANNUAL REPORT

OF THE

Boston Protective Department,

From March 1, 1900, to March 1, 1901.

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TWENTY-SEVENTH

ANNUAL REPORT

OF THE

*Boston Protective Department,*

From March 1, 1900, to March 1, 1901.

## OFFICERS.

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*President:*

GEORGE A. EASTMAN.

*Vice-President:*

B. B. WHITTEMORE.

*Secretary-Treasurer:*

EDWARD SPAULDING.

*Directors:*

TO SERVE UNTIL MARCH, 1901.

B. B. WHITTEMORE.

W. H. ROGERS.

G. C. HOLT.

TO SERVE UNTIL MARCH, 1902.

GEORGE A. EASTMAN.

W. H. ELLISON.

RICHARD F. BARRETT.

TO SERVE UNTIL MARCH, 1903.

GEORGE P. FIELD.

FREDERIC HINCKLEY.

EDWARD C. BRUSH.

BOSTON, March 13th, 1901.

The Directors submit herewith the 27th Annual Report of the Department, with the reports of the Superintendent, Secretary, Treasurer and Medical Officer, and the usual statistical tables.

The Board recommend, first, that the active duties of the Department be continued for the ensuing year; second, that the Directors be authorized to expend for the maintenance of the Department during the year a sum not exceeding Eighty Thousand Dollars.

In recommending this appropriation the Directors would state that Company No. 3 has been in service for more than eighteen months and the maximum yearly expense would seem to be established. It is therefore felt that the present efficient service can be maintained, under ordinary conditions, at a sum not exceeding Seventy-five Thousand Dollars. As the margin last year was small, however, it is thought expedient to have a sufficient amount available to meet any emergency that may arise.

The sinking fund inaugurated by the Board of Directors in 1899 from fees received from watch duty, has been increased during the past year. If this fund be continued and applied to the purchase of House No. 3, under the option in the Lease, a considerable saving of rent can be made.

For the Directors,

GEORGE A. EASTMAN,

*President.*

**TREASURER'S  
RECEIPTS AND EXPENDITURES OF THE BOSTON**

<b>1900.</b>		
<b>March.</b>	By Cash on hand, Balance . . . . .	\$10,994.41
	Balance of Assessment January 1, 1900 . . . . .	19,940.48
	Assessment of July 1, 1900 . . . . .	40,981.25
	Collected of Assessment January 1,* 1901 . . . . .	7,491.65
	Cash received for Watch Duty . . . . .	1,333.17
	Cash received for Automatic Fire Alarm Credit . . . . .	59.39
	Cash received for Interest . . . . .	224.54
	Cash received from Various Sources . . . . .	52.57
		\$81,077.46
	*Balance uncollected . . . . .	\$26,291.65

**NET RUNNING EXPENSES.**

March, 1876, to March, 1877 . . . . .	\$27,311.72
March, 1877, to March, 1878 . . . . .	26,927.86
March, 1878, to March, 1879 . . . . .	23,975.96
March, 1879, to March, 1880 . . . . .	25,733.80
March, 1880, to March, 1881 . . . . .	28,288.48
March, 1881, to March, 1882 . . . . .	26,593.69
March, 1882, to March, 1883 . . . . .	26,399.49
March, 1883, to March, 1884 . . . . .	35,177.68
March, 1884, to March, 1885 . . . . .	35,253.10
March, 1885, to March, 1886 . . . . .	37,047.94
March, 1886, to March, 1887 . . . . .	33,833.64
March, 1887, to March, 1888 . . . . .	38,534.07
March, 1888, to March, 1889 . . . . .	39,861.16
March, 1889, to March, 1890 . . . . .	45,527.88
March, 1890, to March, 1891 . . . . .	42,706.85
March, 1891, to March, 1892 . . . . .	44,144.12
March, 1892, to March, 1893 . . . . .	54,344.08
March, 1893, to March, 1894 . . . . .	58,655.41
March, 1894, to March, 1895 . . . . .	56,125.42
March, 1895, to March, 1896 . . . . .	61,423.48
March, 1896, to March, 1897 . . . . .	60,171.90
March, 1897, to March, 1898 . . . . .	60,767.10
March, 1898, to March, 1899, reserved for Equipment of House No. 3 \$3,000 and	64,875.01
March, 1899, to March 1900, " " " " " " " " 1,269.31 and	67,719.57
March, 1900, to March, 1901, . . . . .	71,500.76

# REPORT.

## PROTECTIVE DEPARTMENT FOR YEAR ENDING MARCH, 1901.

To Cash paid:—

Pay-roll, Permanent force, Company No. 1 . . .	\$17,347.77
Auxiliary " " " . . .	4,169.86
Call " " " . . .	300.06
Permanent " " No. 2 . . .	13,995.87
Auxiliary " " " . . .	4,089.30
Permanent " " No. 3 . . .	9,001.35
Auxiliary " " " . . .	127.12
Call " " " . . .	722.05
Paid for Watch Duty After Fires . . .	721.04
Secretary, Treasurer and Office . . .	2,850.00
Medical Officer . . .	500.00
Rent and Taxes of Houses . . .	8,041.22
Hay and Grain . . .	1,360.92
Wagon and Harness Repairs . . .	573.44
Horseshoeing . . .	590.64
Fuel . . .	678.15
Gas . . .	534.20
Washing . . .	314.13
Supplies . . .	603.44
New England Telephone and Telegraph Co. . .	812.80
Automatic Fire Alarm and Electric Apparatus . . .	249.79
Water Tax . . .	146.80
Repairs and Furnishing of Houses . . .	528.74
Veterinary Services . . .	235.38
Sundries . . .	279.84
Directors' and Committee Meetings . . .	109.00
Printing and Stationery . . .	2,035.35
Advertising Annual Meeting . . .	48.00
Auditors' Fees . . .	60.00
Surety Bond . . .	40.00
Employers' Liability . . .	499.17
Horse Purchase and Hire . . .	330.00
Legal Advice . . .	60.00
Wagon Damage . . .	15.00
	\$71,970.43
Assessments Remitted . . .	51.81
Suspense Account Overdue Assessments . . .	241.22
Sinking Fund For Building Purchase . . .	1,200.00
Balance, Cash on Hand . . .	7,614.00
	\$81,077.46

E. & O. E.

EDWARD SPAULDING, *Treasurer.*

BOSTON, March, 15, 1901.

Audited and found correct to date.

EDWARD D. BLAKE, }  
 JOHN H. EDDY, } *Auditing Committee.*  
 FRED'K W. PORTER, }

## Boston Protective Department.



### SUPERINTENDENT'S REPORT.

HEADQUARTERS PROTECTIVE DEPARTMENT, }  
OFFICE OF SUPT. NO. 40 PURCHASE ST., }

BOSTON, March 1st, 1901.

#### TO THE PRESIDENT AND BOARD OF DIRECTORS:

*Gentlemen:* In compliance with Article IV, of By-Laws of the corporation of the Boston Protective Department, authorized by an Act entitled "An act to incorporate the Boston Protective Department," passed March 9, 1874, amended February 4, 1879, I herewith submit the Twenty-seventh Annual Report of operations of the Department for the year 1900, ending March 1, 1901.

The several tables of statistics heretofore submitted, have been extended to include the period above mentioned. (See Secretary's Report and Exhibits.)

#### ORGANIZATION.

The organization of the Department continues the same as last year.

*Superintendent, SAMUEL ABBOTT, JR.*

*Secretary-Treasurer, EDWARD SPAULDING.*

*Medical Officer, DR. WM. F. TEMPLE.*

Co. No. 1. 40 Purchase St.	Total	Co. No. 2. 4 Appleton St.	Total	Co. No. 3. Roxbury, cor. Gay Sts.	Total	Grand Total
Captains, James H. Huff.....	1	Daniel W. Brown.....	1	Henry E. Thompson....	1	3
1st. Lieuts., Jas. T. Fitzgerald.	1	John J. McCarthy.....	1	None.....	0	2
2d. Lieuts., James H. Ryan...	1	John P. Lane.....	1	Samuel A. McDonnell..	1	3
First Grade Privates.....	3	.....	3	.....	1	7
Second ".....	0	.....	3	.....	0	3
Third ".....	5	.....	3	.....	3	11
Fourth ".....	1	.....	1	.....	2	4
Auxiliary.....	9	.....	9	.....	0	18
Cook.....	1	.....	0	.....	4	5
Clerk.....	1	.....	0	.....	0	1
Janitor and Messenger.....	0	.....	0	.....	1	1
Totals	23		22		13	58

**BUILDINGS, ALARMS, FIRES, INSURANCE AND LOSS FOR 1901.**

On January 1, 1900 there were 25,200 brick, stone, iron, and 55,739 frame buildings in the City of Boston, making a total of 80,939 buildings; during the year there were 614\* brick, stone, iron, and 1238\* frame buildings completed. 20 frame buildings were totally destroyed by fire, 18 brick and 28 frame buildings were demolished in various parts of the city, making the total number of buildings at the end of the year 25,796 brick, stone, iron, and 56,929 frame; grand total 82,725 buildings.

The total alarms during the year 1900 (January 1st to December 31st inclusive) were 1,779 of which 1,560 were for fires; of these 734 occurred in brick, stone and iron buildings, 634 in frame buildings and 192 outside; the number of fires to 1,000 population were 3.17.

Of these fires 1138 were confined to the floor where they originated, 1290 to the building where they originated, 47 extended to adjoining property, and 31 extended beyond adjoining property; the per cent. of fires confined to building where they originated was .83.

The total loss on buildings and contents was \$1,674,776.44, total

\*By courtesy of Inspection of Building Department City of Boston.



insurance, \$18,033,141.01 and the total insurance loss was \$1,407,584.56 the above was divided as follows:—

Total loss on buildings . . . . .	492,656.27
Total insurance loss on buildings . . . . .	435,426.12
Total insurance on buildings . . . . .	11,317,560.01
Per cent of total loss not insured on buildings . . . . .	11.62
Total loss on contents . . . . .	1,182,120.17
Total insurance loss on contents . . . . .	972,158.44
Total insurance on contents . . . . .	6,715,581.00
Per cent of total loss, not insured, on contents . . . . .	12.23

The loss per capita was \$2.99 which does not include the Marine, Fire and Rent losses.

The total Rent loss was \$47,154.74 and the total insurance thereon was \$203,750.

The per cent of grade of alarms and losses for 1900 were as follows:—

35.64	had no loss.
32.83	the loss was under \$100.
17.70	“ “ “ from \$100 to \$500.
4.33	“ “ “ “ \$500 to \$1,000
6.69	“ “ “ “ \$1,000 to \$5,000.
1.40	“ “ “ “ \$5,000 to \$10,000.
.34	“ “ “ “ \$10,000 to \$15,000.
1.07	“ “ “ over \$15,000.
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THE OPERATIONS OF THE DEPARTMENT FOR THE YEAR ENDING March 1st, 1901, ARE AS FOLLOWS:—

		Co. No. 1.	Co. No. 2.	Co. No. 3.
Alarms.	{ Bell . . . . .	554	550	458
	{ Still . . . . .	79	75	34
	{ Automatic . . . . .	81	39	5
Responded to by	{ Wagon . . . . .	563	582	403
	{ Callmen . . . . .	223	117	118
Total alarms.		714	664	497
Hours Duty.	{ At fires . . . . .	636.20	608.41	493.07
	{ After fires protecting goods . . . . .	262.21	104.42	28.19
	{ Watch . . . . .	4,403.50	1,812.30	552.35
	{ Total . . . . .	5,302.31	2,525.53	1,074.01
Covers Used.	{ On goods . . . . .	2,203	1,675	230
	{ “ protecting from storms . . . . .	59	10	0
	{ On roofs . . . . .	76	114	74
	{ Total . . . . .	2,338	1,799	304
Extinguishers used . . . . .		23	51	28



## SPRINKLERS.

The operations of the department in buildings equipped with the sprinkler system, for the year ending March 1, 1901, were as follows:—

Date.	Street.	Duty Performed H. M.	Covers Spread.	Sprink'r Heads replaced	Loss.		Cause.
					Building.	Contents.	
Mar. 4, 1900	A Street,	5.50	23	1	None	\$33.65	Frost.
" 8, "	Rutherford Ave.,	1.15	12	0	None	None	Fire operated sprinkler head.
" 13, "	Western Ave.,		0	0	None	\$5,017.61	Fire operated sprinkler head.
" 21, "	81 Hawley,	.14	0	0	None	None	Workmen letting on water to system.
" 23, "	68 Essex,	.28	0	0	None	None	Workmen draining sprinkler pipes.
" 26, "	514 Atlantic Ave.,	.27	2	0	None	None	Workman accidentally breaking pipes.
April 5, "	152 Congress,	.17	0	0	None	None	Unknown.
" 5, "	277 Congress,	.36	4	1	None	762.93	Sprinkler break.
" 15, "	1337 Washington,	1.16	0	1	\$175.00	None	Fire operated sprinkler head.
" 19, "	558 Washington,	.32	0	0	None	None	Varying street pressure,
" 21, "	185 Essex,	1.50	8	1	None	\$639.23	Unknown.
" 21, "	121 Medford	1.16	0	0	None	\$280.00	Fire operated sprinkler head.
" 27, "	281 Congress,	.30	0	1	None	None	Leaky sprinkler head.
" 28, "	273 Congress,	.40	0	0	None	None	Probably water hammer.
" 29, "	417 Washington,	.21	0	0	None	None	Probably water hammer.
May 2, "	3 Randolph,	.34	0	0	None	None	Water hammer.
" 2, "	181 Essex,	.15	0	0	None	None	Water hammer.
" 6, "	152 Congress,	.35	0	0	None	None	Water hammer.
" 7, "	Bickford & Centre,		0	0	None	\$91 34	Sprinkler leak.
" 10, "	3 Randolph,	.13	0	0	None	None	Water hammer.
June 7, "	558 Washington,	1.42	0	1	None	None	Excessive heat opened sprinkler head.
" 7, "	277 Congress,	.36	1	1	None	None	Workmen breaking sprinkler head
" 16, "	152 Congress,	.41	1	1	None	None	Leaky sprinkler head.
" 17, "	232 Dover,	.23	0	0	None	None	Water hammer.
" 25, "	417 Washington,	.19	0	0	None	None	Water hammer.
July 12, "	89 Broad,	.29	0	0	None	None	Leaky sprinkler head.
" 21, "	123 Charlestown,	.54	0	0	None	None	Sprinkler break—heat from forge.
" 30, "	11 East,		0	0	None	\$25.00	Leaky joint.
Aug. 4, "	556 Atlantic Ave.,	2.64	23	0	None	\$456.44	Belting breaking sprinkler pipe.
" 13, "	Rear 610 Atlantic Av.	5.56	3	1	None	\$283 04	Fire operated sprinkler head.
" 14, "	53 Wareham,	.44	0	1	None	None	
Sept. 4, "	356 Washington,	.40	0	0	None	None	Leak.
" 16, "	94 Portland,	.34	0	0	None	None	Leaky pipe.

**SPRINKLERS—continued.**

Date.	Street.	Duty Performed.	Covers Spread.	Sprink'r Heads Replaced.	Loss.		Cause.
		H. M.			Building.	Contents.	
Sept. 26.1900	128 Charlestown,	1.07	0	5	None	None	Overflow of tank.
" 28, "	83 South,	.28	0	0	None	None	Water hammer,
" 28, "	E. 9th & Burnham,	.33	0	0	None	\$39.00	Explosion of kettle of japan.
" 29, "	277 Congress,	.19	0	0	None	None	Water hammer.
Oct. 3, "	Tileston Sq.,	2.16	27	0	None	\$622 95	Sprinkler operated.
" 5, "	5-27 Winter,	1.27	0	0	None	\$129.18	Employee breaking sprinkler head
" 15, "	15-96 Chauncy,	.27	0	0	None	None	Water hammer.
Nov. No Sp	rinkler calls.		0	0	None	None	
Dec. 3, 1900	520 Harrison Ave ,	1.51	0	0	None	None	Leak from tank on roof.
" 11, "	31 Hawley,	.22	0	0	None	None	Bursting of sprinkler pipe.
" 11, "	35 Harrison Ave.,	.33	0	0	None	None	Leaky sprinkler head in base-
" 15, "	417 Washington,	Not noti-	0	0	None	None	ment. Sprinkler burst in fan room—
" 17, "	277 Congress,	fied. .38	0	0	None	None	freezing. Sprinkler head struck by case of
" 18, "	85 Essex,	1.11	0	0	None	None	goods. Probably water hammer.
" 19, "	281 Congress,	.25	0	0	None	None	Workman striking sprinkler
" 22, "	610 Atlantic Ave.,	.18	0	0	None	None	head. Bursting of sprinkler pipe on
" 23, "	610 Atlantic Ave.,	.57	0	0	None	None	sixth floor. Water hammer.
Jan. 7, 1901	273 Congress,	.31	0	0	None	None	Workman in basement striking
" 10, "	118 Kneeland,	11.55	0	0	None	None	sprinkler head. Break in vent pipe.
" 14, "	89 Beach,	.22	0	0	None	None	Water hammer.
" 14, "	17 East,	.55	2	0	None	None	Accidental breaking of pipe.
" 19, "	31 Hawley,	.11	0	0	None	None	Breaking of pipe by frost.
" 20, "	658 Washington,	2.08	8	0	None	\$84.01	Cause unknown.
" 20, "	520 Harrison Ave ,	.25	0	0	None	None	In basement, cause unknown.
" 21, "	120 Fulton,	1.10	0	0	None	None	Freezing of pipe, first floor.
" 26, "	273 Congress,	.39	0	0	None	None	Accidental.
Feb. 11, "	9 Knapp,	4 50	82	0	None	None	Unknown.
" 11, "	East,	.24	0	0	None	None	Workman striking sprinkler
" 17, "	490 Hanover.	1.22	0	0	None	None	head. Water hammer.
" 27, "	Albany,	1 25	0	0	None	None	Breaking of supply pipe.

In conclusion, I desire to express my sincere thanks to all departments or persons who have in any way assisted this Department during the past year.

Respectfully submitted,

SAMUEL ABBOTT, JR.,  
*Superintendent.*

## SCHEDULE OF PROPERTY.

OWNED BY THE DEPARTMENT AND CONTAINED IN HOUSES ONE, TWO  
AND THREE AND IN THE OUTLYING DISTRICTS.

Horses . . . . .	14
Wagons large "complete" . . . . .	5
Wagon small "complete" . . . . .	1
Wagon large "spare" . . . . .	1
Wagon supply . . . . .	1
Pungs "complete" . . . . .	3
Wagons for Superintendent . . . . .	2
Sleighs " " . . . . .	2
Rubber covers "stock" . . . . .	582
Rubber covers "roof" . . . . .	14
Canvas covers for roofs . . . . .	4
Fire extinguishers . . . . .	11
Life saving blankets . . . . .	6
Sets of patent double harnesses . . . . .	6
Single harnesses . . . . .	2
Lead reins, 4 horse . . . . .	5
Wagon poles "extra" . . . . .	3
Wheels "extra" . . . . .	4
Whiffletrees "extra" . . . . .	5
Lead bars, 4 horse . . . . .	5
Bedsteads with bedding . . . . .	54
Billiard table "complete" . . . . .	1
Fire hats . . . . .	51
Necessary tools and equipments.	
" stable equipments.	
" extra parts of harnesses.	
" house furniture and fixtures.	
" telegraph apparatus.	
" gas fixtures.	
" supplies.	
" stationery.	

For detailed statement see Quarterly Report at Superintendent's Headquarters.

Duty performed by Company No. 1, from March 1, 1900, to March 1, 1901.

Months.	Alarms responded to.						Hours on duty.			Covers spread.				Second section of Company calls.										Totals.						
	Box	Still.	Automatic.	Wagons responded.	Callmen responded.	Total Alarms.	Sprinkler calls or operated.	At Fires.	H. M.	Extra at Fires.	H. M.	Watching after Fires.	H. M.	Totals.	On Goods.	On Roofs.	Protecting Goods from Storms.	Totals.	When 1st out-section is at a fire.	When all other sections are at a fire.	When covering a company district.	Second Alarms.	With 2d section wagon during daytime.		Telephone Calls.	Messenger Calls.	Covering when both sections of a co. are at a fire.	Reporting at a fire during the daytime A. Force.	Auxiliary Force retained on duty during daytime.	Auxiliary Force on duty extra hazardous, days.
March, 1900	42	7	2	42	14	51	3	79.19	65.39	7.06	489.57	638.55	313	1	22	336	3	1	1	1	1	4	4					4		8
April,	44	5	8	45	16	57	4	41.40	7.06	582.39	631.25	96	2	3	101	2	2	1	1	1	1	1	1					1		6
May,	37	6	7	34	24	50		44.35	2.47	87.50	135.12	164	4		168		2	2	1	1	2	2						1		2
June,	61	11	7	68	31	79	2	58.88	31.51	288.50	379.19	128	7	34	169	4	4	3	1	1	3	3							5	
July,	56	8	9	64	20	73	2	57.16	8.55	248.43	314.54	156	4		160	2	2	1	1	1	1	1						1		3
Aug.,	38	3	11	48	13	52	1	28.32	47.27	283.55	349.54	208	16		224		1	1	1	1	1	1					1		2	
Sept.,	37	11	3	42	14	51	1	36.49	11.15	238.13	286.17	93	3		96	8	3	3	3	3	3	3					1		5	
Oct.,	37	7	6	35	19	50		38.47	23	217.20	256.30	65	1		65		1	1	1	1	1	1							2	
Nov.,	45		5	38	21	50		43.16	7.39	181.37	235.32	118	3		121	1	3	3	3	3	3	2							2	
Dec.,	70	9	10	72	26	89		84.47	33.13	950.14	1008.14	298	2		300	2	2	2	2	2	2	6							10	
Jan., 1901	40	8	6	38	14	51	8	54.36	16.38	374.57	446.11	198	6		204		6	6	6	6	6	3							3	
Feb.,	47	4	7	47	11	58	1	68.05	29.28	442.35	540.08	366	27		383	1	2	2	2	2	2	3					5		10	
Totals	554	79	81	563	223	714	22	636.20	262.21	4403.50	5302.31	2203	76	59	2338	23	8	8	8	8	8	26	3	2	3	3	12	2	56	

Duty performed by Company No. 2, from March 1, 1900, to March 1, 1901.

Months.	Alarms responded to.				Hours on duty.				Covers spread.				Second section of Company calls.																		
	Box.	Skill.	Automatic.	Wagons responded.	Callmen responded.	Total Alarms.	Sprinkler calls or operated.	At Fires.	Extra at Fires.	H. M.	Watching after Fires.	H. M.	On Goods.	On Roofs.	Protecting Goods from Storms.	Totals.	Extinguishers used.	1st Alarms. 2d Al's.	When all other sections are at a fire.	When covering a company district.	Second Alarms.	With 2d section wagon during daytime.	Telephone Calls.	Messenger Calls.	COVERING when both sections of a co. are at a fire.	Reporting at a fire during the daytime A. Force.	Auxiliary Force retained on duty during daytime.	Auxiliary Force on duty extra hazardous days.	Protecting Roofs.	Totals.	
March, 1900	41	5	2	42	6	48		45.14	4.25	56.02	105.41	172	14			186	9	1			5						2				11
April, "	41	6	3	28	4	50	1	37.48	3.00	91.44	132.32	40	5	2		47		1		1						4				6	
May, "	34	5	4	40	8	43		35.09	17.37	257.02	309.48	232	15			247	5				2					1				3	
June, "	50	6	3	52	14	59	1	40.01	1.30	38.22	79.53	104				104	3				1					4				9	
July, "	56	12	6	65	13	74		70.19	6.00	119.08	195.27	107	3			110	3				3					6				13	
Aug., "	37	8	1	42	7	46	1	55.49	3.30	91.35	150.54	131	8			139	9				1			1		2				4	
Sept., "	40	2	2	42	9	44		41.29	1.20	60.50	103.39	35	5			40	1									3				3	
Oct., "	42	3	4	44	14	49		40.45	5.43	126.20	172.48	69	8			77	2									1				1	
Nov., "	36	5	3	41	10	44		38.37	31.88	251.04	328.09	102	33	8		143	1				2					2				5	
Dec., "	63	11	6	70	11	80		67.24	10.24	111.31	189.19	169	6			175	3				3					6				10	
Jan., 1901	57	5	4	61	9	66	1	56.48	4.54	378.02	439.44	137	13			150	7				1	1				4				7	
Feb., "	53	7	1	55	12	61	2	79.18	10.51	227.50	317.59	377	4			381	8				2					2				13	
Totals	550	75	39	582	117	634	6	608.41	104.42	1812.90	2525.53	1675	114	10	1799	51					21	1	2	1	1	2	1	36	8	1	85

Duty performed by Company No. 3, from March 1, 1900, to March 1, 1901.

Months.	Alarms responded to.					Hours on Duty.			Covers spread.			Second section of Company calls.																					
	Box.	Still.	Automatic.	Wagons responded.	Callmen responded.	Total Alarms.	Sprinkler calls or operated.	At Fire.	Extra at Fires.	H. M.	Watching after Fires.	H. M.	Totals.	On Goods.	On Roofs.	Protecting Goods from Storms.	Totals.	Extinguishers used.	When 1st out-section is at a fire.	When all other sections are at a fire.	When covering a company district.	Second Alarms.	With 2d section wagon during daytime.	Telephone Calls.	Messenger Calls.	Covering when both sections of a co are at a fire.	Reporting at a fire during the daytime A. Force.	Auxiliary Force retained on duty during daytime.	Auxiliary Force on duty extra hazardous days.	Protecting Roofs.	Totals.		
March, 1900	20	2		27	6	32		35.03	1.38	36.45	75.26	12	12	4	2				2	2													6
April,	49	1		38	14	50		30.14	1.40	2.50	43.44	25	18	7					1	2													7
May,	30	2		27	6	32		29.58	3.03	23.05	56.03	24	14	10					1	2													2
June,	43	4	2	42	9	40	2	43.54	6.55	7.15	58.04	52	38	14					1	1													4
July,	65	3		54	18	60		62.33	3.37	34.25	100.35	65	54	11					6	3													11
Aug.,	33	2		30	6	35		41.11	3.30	93.15	137.56	42	32	10					1	1													5
Sept.,	38			30	9	36		40.27	3.00	91.40	135.07	19	15	4					2	1													5
Oct.,	23	5		21	6	28		23.20	1.00	9.40	34.00	10	6	4					2	1													5
Nov.,	25	5	1	26	8	32		24.20		12.25	36.45	7		1					1	1													6
Dec.,	42	1	2	40	8	45		66.33	2.58	119.05	188.36	25	7	4					3	1													8
Jan., 1901	46	2		39	9	48		48.25	1.01	66.45	116.12	22	21	4					3	2													10
Feb.,	32	7		29	9	39		38.08		55.25	93.33	22	13	9					1	3													10
Totals	458	34	5	403	103	467		493.07	28.19	552.35	1074.01	304	230	74					19	9													69



OFFICE OF SECRETARY-TREASURER,

40 PURCHASE STREET,

BOSTON, MARCH 1, 1901.

TO THE PRESIDENT AND DIRECTORS:

*Gentlemen.* — The amount of insurance involved, together with the fire losses sustained by the insurance companies from Jan. 1, 1900, to Dec. 31, inclusive, is as follows:

Insurance on buildings . . . . .	\$11,317,560.01
Loss on buildings . . . . .	399,425.62
Insurance on contents . . . . .	6,715,581.00
Loss on contents . . . . .	972,158.44
Insurance on marine risks . . . . .	
Loss on marine risks . . . . .	
Insurance on rents . . . . .	208,750.00
Loss on rents . . . . .	Partially settled 47,154.74
Sprinkler insurance . . . . .	150,000.00
Sprinkler loss . . . . .	Partially settled 1,668.24

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CAUSES OF FIRES AND ALARMS.

MARCH 1, 1900, TO FEB. 28, 1901, INCLUSIVE.

Ashes in wooden receptacles, hot . . . . .	32
Buildings, defective . . . . .	39
Causes not otherwise enumerated . . . . .	344
Combustion spontaneous . . . . .	45
Electricity . . . . .	47
Fire works . . . . .	47
Gas . . . . .	92
Incendiary (supposed) . . . . .	62
Kerosene-oil . . . . .	177
Matches . . . . .	281
Needless . . . . .	166
Overheating . . . . .	72
Sparks . . . . .	139
Unknown . . . . .	177
Vapors igniting . . . . .	23
Water pipes attempt to thaw . . . . .	29

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1,772

MONTHLY STATEMENT

Of Alarms of Fires, Covers Spread, Extinguishers Used, Fire, Watch, and Extra Duty Performed for the Year Ending March 1, 1901.

Months.	Alarms.						Covers.		Extinguishers used.	Fire Duty.		Watch Duty.		Extra Duty.			
	Bell.	Still.	Automatic.	Ext. by occit.	Total.	Sprinklers operated on fires.	Sprinkler breaks and leaks.	Covers.		Roof.	Hours.	Minutes.	Hours.	Minutes.	Hours.	Minutes.	Extra covers.
March, 1900	95	35	3	3	133	12	4	497	15	16	121	17	586	44	71	42	32
April, "	108	22	3	3	139	12	4	154	14	22	96	24	677	13	11	46	34
May, "	87	24	3	1	118	1	1	410	29	9	90	22	367	57	23	24	34
June, "	129	50	3	1	188	1	1	270	21	9	128	37	334	27	40	16	34
July, "	147	43	13	2	205	1	1	317	18	5	158	52	402	16	18	32	34
August, "	83	30	13	2	127	1	1	371	34	9	118	42	478	45	54	27	34
Sept., "	92	21	6	1	120	1	1	143	12	12	95	40	390	43	12	38	34
Oct., "	87	22	10	3	122	1	1	146	13	3	89	35	353	20	7	06	34
Nov., "	90	30	10	10	130	1	1	220	37	3	88	06	451	00	43	07	34
Dec., "	127	36	12	1	177	1	1	474	8	9	95	30	1180	50	45	38	34
Jan., 1901	115	43	10	1	168	1	1	356	23	11	128	38	819	44	22	33	34
Feb., "	96	38	8	3	145	1	1	756	40	11	115	26	725	10	40	19	34
	1254	394	105	19	1772	8	31	4108	264	101	1320	34	6708	15	392	28	69

Comparison of Fires, Covers Spread, Fire and Watch Duty performed for twenty-one years, each year commencing March 1, and ending the last day of February.

Years.	Fires.	Covers Spread.	Fire Duty.		Watch Duty.	
			Hrs.	Min.	Hrs.	Min.
1880	587	1,596	561	10	886	30
1881	521	1,364	670	00	1,508	30
1882	510	1,910	692	40	1,432	15
1883	648	2,948	966	50	2,479	30
1884	648	2,338	622	55	3,433	45
1885	669	2,361	662	55	3,292	10
1886	662	1,572	525	55	1,472	50
1887	798	1,638	648	55	2,486	30
1888	819	2,292	668	50	2,291	20
1889	820	1,879	615	49	3,986	40
1890	922	1,819	674	10	2,507	05
1891	1,015	2,683	820	05	2,611	30
1892	1,242	2,722	1,061	00	5,554	30
1893	1,189	3,455	1,155	45	5,179	15
1894	1,276	2,730	967	40	5,686	
1895	1,296	2,462	997	45	4,964	45
1896	1,310	2,712	1,075	36	3,557	39
1897	1,527	2,551	1,097	03	5,047	38
1898	1,506	2,616	1,193	48	4,976	43
1899	1,793	3,780	1,605	14	8,237	39
1900	1,772	4,128	1,326	34	6,708	15

MONTHLY STATEMENT

Of Insurance and Loss on Buildings, Contents, Rents, and Marine, for the year ending March 1, 1901.

Months.	Buildings.		Contents.		Losses not Insured.		Total.		Rents.		Marine.		Sprinklers.	
	Insurance.	Loss.	Insurance.	Loss.	Buildings.	Contents.	Insurance.	Loss.	Insurance.	Loss.	Insurance.	Loss.	Insurance.	Loss.
March, '00	\$ 894,714.08	\$ 58,713.76	\$1,475,525.00	\$135,551.16	\$ 8,475.00	\$ 7,469.99	\$ 2,370,230.08	\$210,222.83	\$ 6,000.00	\$1,923.37	\$20,000.00	\$ 33.65	\$20,000.00	\$ 33.65
April,	1,120,914.00	23,330.58	118,050.00	12,253.48	430.00	1,070.88	1,248,564.00	37,094.04	10,000.00	15.00	5,000.00	639.23	5,000.00	639.23
May,	1,278,708.33	36,959.29	596,100.00	114,650.82	277.00	3,384.00	1,844,808.33	155,170.81	05,500.00	6,942.54	20,000.00	91.34	20,000.00	91.34
June,	678,000.00	23,895.13	243,000.00	30,815.72	750.00	2,695.45	921,693.00	67,057.90	16,000.00	3,169.98	50,000.00	25.00	50,000.00	25.00
July,	852,720.00	42,683.09	478,125.00	367,339.26	38,081.00	171,161.38	1,330,815.40	408,394.73	16,000.00	3,451.88	30,000.00	506.44	30,000.00	506.44
Aug.,	697,464.00	35,765.54	367,339.00	70,088.90	5,504.15	9,428.72	1,054,854.00	121,378.31	51,000.00	2,000.00	10,000.00	129.18	10,000.00	129.18
Sept.,	568,119.43	38,859.05	480,748.00	49,435.81	1,686.00	5,231.77	1,038,897.43	16,212.63	not ins.					
Oct.,	1,332,200.00	14,568.43	477,700.00	47,700.00	225.00	1,484.00	1,804,900.00	64,074.08	11,000.00	1164.38				
Nov.,	526,477.25	20,037.61	180,075.00	28,528.69	292.75	822.00	725,562.25	29,091.64	10,000.00	177.67				
Dec.,	1,903,160.00	62,437.20	952,075.00	204,007.72	144.25	2,592.37	2,555,835.00	299,091.64	10,000.00	177.67				
Jan., 1901	779,161.00	60,129.72	438,350.00	93,617.19	5.00	1,392.36	1,217,511.00	155,144.27	7,400.00	3,048.73				
Feb.,	1,144,315.00	45,242.48	629,268.00	99,529.51	285.00	2,564.29	1,773,943.46	138,638.58	22,000.00	3,048.73				
	\$11,484,973.00	\$462,622.89	\$7,402,629.00	\$1,043,194.01	\$56,135.15	\$209,167.21	\$17,887,022.09	\$1,771,060.26	\$198,300.00	\$18,883.65	\$2,000.00	\$1,653.86	\$106,000.00	\$1,653.86

\*Unsettled losses are estimated. †Not all settled. ‡Partially settled.

Comparison of Insurance and Losses for Twenty Years, each year commencing March 1st, and ending the last day of February.

Year.	Insurance.	Loss.	Total Loss.
1880	\$6,006,756.00	\$6,006,756.00	\$12,013,512.00
1881	3,801,564.11	3,801,564.11	7,603,128.22
1882	5,390,049.83	5,390,049.83	10,780,099.66
1883	6,372,141.29	6,372,141.29	12,744,282.58
1884	6,033,012.24	6,033,012.24	12,066,024.48
1885	6,371,291.77	6,371,291.77	12,742,583.54
1886	4,194,591.11	4,194,591.11	8,389,182.22
1887	5,440,032.21	5,440,032.21	10,880,064.42
1888	7,490,230.52	7,490,230.52	14,980,461.04
1889	13,014,394.37	13,014,394.37	26,028,788.74
1890	7,730,043.60	7,730,043.60	15,460,087.20
1891	10,100,612.08	10,100,612.08	20,201,224.16
1892	10,977,922.97	10,977,922.97	21,955,845.94
1893	15,694,694.92	15,694,694.92	31,389,389.84
1894	10,615,079.81	10,615,079.81	21,230,159.62
1895	12,606,938.87	12,606,938.87	25,213,877.74
1896	12,956,417.62	12,956,417.62	25,912,835.24
1897	14,102,311.34	14,102,311.34	28,204,622.68
1898	18,075,199.53	18,075,199.53	36,150,399.06
1899	17,387,692.00	17,387,692.00	34,775,384.00
1900			

Loss not insured. \$ 56,197.83  
 172,401.69  
 163,190.05  
 123,380.95  
 148,422.68  
 281,394.66  
 190,187.90  
 112,336.37  
 814,096.39  
 67,991.05  
 28,698.43  
 169,000.00  
 400,130.00  
 226,382.22  
 117,353.42  
 89,985.46  
 76,253.80  
 70,682.51  
 191,611.19  
 265,242.26

# FIRES AND ALARMS.

BY MONTHS, DAYS OF THE WEEK, DAYS OF THE MONTH, AND HOURS OF  
THE DAY, FROM MARCH 1, 1900, TO MARCH 1, 1901.

Months.		Days of Week.		Days of the Month.		Hours of the Day.	
				1	60		
March,	1900.	133	Monday . .	277	2	64	6 to 7 A. M.
April	"	139	Tuesday . .	244	3	66	7 " 8 "
May,	"	118	Wednesday	266	4	85	8 " 9 "
June,	"	188	Thursday . .	275	5	67	9 " 10 "
July,	"	205	Friday . .	226	6	54	10 " 11 "
August,	"	127	Saturday . .	245	7	42	11 " 12 NOON.
September,	"	120	Sunday . .	239	8	67	12 " 1 P. M.
October,	"	122			9	38	1 " 2 "
November,	"	130			10	58	2 " 3 "
December,	"	177			11	51	3 " 4 "
January, 1901.		168			12	71	4 " 5 "
February,	"	145			13	54	5 " 6 "
					14	54	6 " 7 "
					15	75	7 " 8 "
					16	60	8 " 9 "
					17	68	9 " 10 "
					18	66	10 " 11 "
					19	57	11 " 12 MIDN.
					20	70	12 " 1 A. M.
					21	54	1 " 2 "
					22	53	2 " 3 "
					23	55	3 " 4 "
					24	52	4 " 5 "
					25	50	5 " 6 "
					26	47	
					27	56	
					28	56	
					29	47	
					30	44	
					31	31	
Totals,		1772		1772		1772	

Marine Fires, 1. No loss to Companies.  
Sprinkler Calls, 56.

## DISTRICTS WHERE ALARMS WERE GIVEN.

City Proper	906
Roxbury District	254
Charlestown	132
East Boston	136
South Boston	95
Dorchester	121
West Roxbury	91
Brighton	38
<b>Total</b>	<b>1772</b>

## CLASSIFICATION OF COVERS SPREAD.

<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;">80</td><td style="width: 10%;">Fires of</td><td style="width: 10%;">1</td><td style="width: 10%;">Cover each</td><td style="width: 10%;">. 80</td></tr> <tr><td>45</td><td>"</td><td>"</td><td>2 Covers</td><td>. 90</td></tr> <tr><td>32</td><td>"</td><td>"</td><td>3</td><td>. 96</td></tr> <tr><td>21</td><td>"</td><td>"</td><td>4</td><td>. 84</td></tr> <tr><td>20</td><td>"</td><td>"</td><td>5</td><td>. 100</td></tr> <tr><td>11</td><td>"</td><td>"</td><td>6</td><td>. 66</td></tr> <tr><td>7</td><td>"</td><td>"</td><td>7</td><td>. 49</td></tr> <tr><td>9</td><td>"</td><td>"</td><td>8</td><td>. 72</td></tr> <tr><td>4</td><td>"</td><td>"</td><td>9</td><td>. 36</td></tr> <tr><td>6</td><td>"</td><td>"</td><td>10</td><td>. 60</td></tr> <tr><td>2</td><td>"</td><td>"</td><td>11</td><td>. 22</td></tr> <tr><td>6</td><td>"</td><td>"</td><td>12</td><td>. 72</td></tr> <tr><td>3</td><td>"</td><td>"</td><td>13</td><td>. 39</td></tr> <tr><td>7</td><td>"</td><td>"</td><td>14</td><td>. 98</td></tr> <tr><td>2</td><td>"</td><td>"</td><td>15</td><td>. 30</td></tr> <tr><td>2</td><td>"</td><td>"</td><td>16</td><td>. 32</td></tr> <tr><td>3</td><td>"</td><td>"</td><td>17</td><td>. 51</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>19</td><td>. 19</td></tr> <tr><td>2</td><td>"</td><td>"</td><td>20</td><td>. 40</td></tr> <tr><td>4</td><td>"</td><td>"</td><td>21</td><td>. 84</td></tr> <tr><td>5</td><td>"</td><td>"</td><td>23</td><td>. 115</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>24</td><td>. 24</td></tr> <tr><td>2</td><td>"</td><td>"</td><td>25</td><td>. 50</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>26</td><td>. 26</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>27</td><td>. 27</td></tr> </table>	80	Fires of	1	Cover each	. 80	45	"	"	2 Covers	. 90	32	"	"	3	. 96	21	"	"	4	. 84	20	"	"	5	. 100	11	"	"	6	. 66	7	"	"	7	. 49	9	"	"	8	. 72	4	"	"	9	. 36	6	"	"	10	. 60	2	"	"	11	. 22	6	"	"	12	. 72	3	"	"	13	. 39	7	"	"	14	. 98	2	"	"	15	. 30	2	"	"	16	. 32	3	"	"	17	. 51	1	"	"	19	. 19	2	"	"	20	. 40	4	"	"	21	. 84	5	"	"	23	. 115	1	"	"	24	. 24	2	"	"	25	. 50	1	"	"	26	. 26	1	"	"	27	. 27		<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;">3</td><td style="width: 10%;">Fires of</td><td style="width: 10%;">28</td><td style="width: 10%;">Covers each</td><td style="width: 10%;">. 84</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>31</td><td>. 31</td></tr> <tr><td>2</td><td>"</td><td>"</td><td>32</td><td>. 64</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>36</td><td>. 36</td></tr> <tr><td>2</td><td>"</td><td>"</td><td>42</td><td>. 84</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>47</td><td>. 47</td></tr> <tr><td>2</td><td>"</td><td>"</td><td>48</td><td>. 96</td></tr> <tr><td>2</td><td>"</td><td>"</td><td>52</td><td>. 104</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>56</td><td>. 56</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>64</td><td>. 64</td></tr> <tr><td>2</td><td>"</td><td>"</td><td>68</td><td>. 136</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>73</td><td>. 73</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>74</td><td>. 74</td></tr> <tr><td>2</td><td>"</td><td>"</td><td>76</td><td>. 152</td></tr> <tr><td>2</td><td>"</td><td>"</td><td>80</td><td>. 160</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>83</td><td>. 83</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>95</td><td>. 95</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>97</td><td>. 97</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>101</td><td>. 101</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>148</td><td>. 148</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>154</td><td>. 154</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>168</td><td>. 168</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>255</td><td>. 255</td></tr> <tr><td>1</td><td>"</td><td>"</td><td>274</td><td>. 274</td></tr> </table>	3	Fires of	28	Covers each	. 84	1	"	"	31	. 31	2	"	"	32	. 64	1	"	"	36	. 36	2	"	"	42	. 84	1	"	"	47	. 47	2	"	"	48	. 96	2	"	"	52	. 104	1	"	"	56	. 56	1	"	"	64	. 64	2	"	"	68	. 136	1	"	"	73	. 73	1	"	"	74	. 74	2	"	"	76	. 152	2	"	"	80	. 160	1	"	"	83	. 83	1	"	"	95	. 95	1	"	"	97	. 97	1	"	"	101	. 101	1	"	"	148	. 148	1	"	"	154	. 154	1	"	"	168	. 168	1	"	"	255	. 255	1	"	"	274	. 274
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## COVERS.

### STOCK COVERS.

On hand last report . . . . .	597
Condemned . . . . .	14
Turned over to roof covers . . . . .	1
Total stock covers . . . . .	582

### ROOF COVERS.

On hand last report . . . . .	18
Received from stock covers . . . . .	1
Condemned . . . . .	5
Total roof covers . . . . .	14
Total covers on hand March 1, 1901 . . . . .	596

GRADE OF LOSSES.

Grade of Losses for the year 1900, commencing January 1st, and ending December 31st.

		Aggregate.	Average.
634	Fires with no loss.		
584	" " " loss under \$100	\$21,316.69	\$ 36.50
315	" " " from \$100 to \$500	72,201.87	229.22
77	" " " " \$500 to \$1,000	52,636.26	683.58
119	" " " " \$1,000 to \$5,000	241,791.37	2,031.09
25	" " " " \$5,000 to \$10,000	176,444.40	7,037.78
6	" " " " \$10,000 to \$15,000	73,967.23	12,327.87
	Over \$15,000 as follows:		
1	Fire Jan 25, 25 Avon St., H. Crine	27,465.23	\$1,036,418.62
1	" Feb. 27, 13 Federal Ct., Parker Holmes & Co. & others	26,151.29	
1	" Mar. 8, Rutherford Ave., Railroad & hay fire	32,248.97	
1	" " 11, 209 North St., W. G. Bell Co. & others	15,857.05	
1	" " 11, 67 Batterymarch St.	22,280.75	
1	" " 26, 232 Congress St., Carl H. Heintzeman & others	68,820.40	
1	" May 31, 605 Washington St., Pitts, Kimball & Co.	126,417.82	
1	" June 13, 91 Commercial St., Fearing, Hall & Whitten & others	29,222.18	
1	" July 3, 506 Albany St., Leatherbee & Co.	115,800.24	
1	" " 6, 26 Eustis St., Wm. Curtis Sons Co.	23,155.42	
1	" " 19, Navy Yard, Government Bldgs. & others	194,209.50	
1	" Aug. 14, 15 India St., T. Gay & Co.	31,478.76	
1	" " 23, Post Office Sq., Stone, Webster & Co. & others	25,078.32	
1	" Sept. 15, 580 Albany St., Bradford & Co.	41,444.97	
1	" " 22, 74 Purchase St., Dalton, Ingersoll Co. & others	18,261.50	
1	" Oct. 26, 27 Court St., Abrams & Sons & others	39,018.80	
1	" Dec. 5, 194 Portland St., Heywood Bros. & Wakefield Co.	93,556.21	
1	" " 18, 82 Canal St., Freedman & Bro., & others	75,876.38	
1	" " 26, 151 Tremont St., Arthur O. Chartier	30,014.83	
1779		\$1,674,776.44	54,548.35

The 1145 fires where there was a loss, the average was \$1,462.68.

Comparison of total fires, total fires with loss, total loss, average loss of total fires, and average loss of fires with loss, for twenty years, commencing January 1, 1881

Year.	Total Fires.	Total Fires with Loss.	Total Loss.	Average Loss of Total Fires.	Average Loss of Total Fires with Loss.
1881	558	344	\$ 467,105.82	\$ 837.10	\$1,357.86
1882	502	329	958,835.88	1,910.03	2,914.39
1883	641	371	1,132,982.18	1,767.52	3,053.86
1884	633	398	1,101,253.60	1,739.73	2,796.96
1885	655	397	1,232,255.05	1,881.30	3,103.91
1886	687	448	1,089,196.05	1,585.43	2,431.24
1887	754	460	690,454.11	915.72	1,500.98
1888	834	554	1,031,676.72	1,237.02	1,862.28
1889	788	494	4,819,446.67	6,103.15	9,756.84
1890	933	562	1,088,887.29	1,167.08	1,937.52
1891	1,012	606	1,511,674.51	1,542.53	2,494.51
1892	1,196	715	846,395.12	708.70	1,183.76
1893	1,233	684	5,024,765.04	2,654.39	7,346.14
1894	1,233	714	1,726,627.56	1,400.35	2,418.24
1895	1,234	719	1,195,343.28	968.62	1,662.41
1896	1,397	813	1,367,165.92	978.64	1,681.63
1897	1,435	957	861,303.64	600.15	899.86
1898	1,499	967	1,415,884.93	944.55	1,464.20
1899	1,768	1,108	1,699,590.57	961.43	1,534.20
1900	1,779	1,145	1,674,776.44	941.42	1,462.68
Total	20,771	12,785	\$30,935,830.38	\$1,489.37	\$2,420.47

## CAUSES OF ALARMS AND FIRES.

(March 1, 1900 to March 1, 1901.)

Alarms false . . . . .	31
"    needless . . . . .	135
Alcohol lamps . . . . .	3
Ashes hot in wooden receptacles . . . . .	32
Attempt to thaw water pipes . . . . .	29
Assistance called for . . . . .	3
Back draft . . . . .	1
Burning sulphur . . . . .	1
Boiling over of fat . . . . .	17
"    "    oil . . . . .	1
"    "    tar . . . . .	9
"    "    wax . . . . .	2
Bon fires . . . . .	7
Boys, set by . . . . .	89
Brush fires . . . . .	13
Candles lighted . . . . .	40
Chimney fires . . . . .	17
Cigars lighted . . . . .	18
Cigarettes . . . . .	14
Chemicals . . . . .	1
Defective chimneys . . . . .	18
"    constructions . . . . .	10
"    furnaces . . . . .	1
"    flues . . . . .	10
"    stove pipes . . . . .	2
Electric light wires . . . . .	45
"    meters . . . . .	2
Explosions . . . . .	5
Fire crackers . . . . .	46
"    works . . . . .	1
Friction of machinery . . . . .	2
Fumigating . . . . .	1
Gas-jets lighted . . . . .	31
"    and curtains . . . . .	38
Gas leaks . . . . .	9
"    stoves . . . . .	13
"    metres . . . . .	1
Gasoline stoves . . . . .	6
"    torches or furnaces . . . . .	4
Grass fires . . . . .	13
Hot coals . . . . .	4
Incendiary . . . . .	44
"    supposed . . . . .	18

Kerosene-oil explosions . . . . .	12
" lamps . . . . .	38
" " upsetting or breaking . . . . .	62
" " explosions of . . . . .	18
" stoves . . . . .	47
Lightning . . . . .	4
Matches, careless use of . . . . .	193
" and children . . . . .	78
" " rats . . . . .	10
Naphtha lamps . . . . .	1
Overheated flues . . . . .	1
" furnaces . . . . .	8
" iron . . . . .	2
" ovens . . . . .	2
" ranges . . . . .	2
" stoves . . . . .	40
" smoke stacks . . . . .	3
" steam pipes . . . . .	5
" stove pipes . . . . .	8
Painters' torches . . . . .	2
Picker machines . . . . .	1
Rekindling of fires . . . . .	6
Roofer's furnace . . . . .	1
Rubbish . . . . .	18
Smelters . . . . .	1
Smoky chimneys . . . . .	17
" furnaces . . . . .	4
" stoves . . . . .	5
Soot burning . . . . .	6
Steam escaping . . . . .	6
Sparks from chimneys . . . . .	29
" " engines . . . . .	3
" " forges . . . . .	10
" " fire engines . . . . .	2
" " fire boxes . . . . .	6
" " furnaces . . . . .	5
" " flues . . . . .	2
" " locomotives . . . . .	19
" " smokers' pipes . . . . .	49
" " stoves . . . . .	14
Spontaneous combustion . . . . .	45
Unknown . . . . .	177
Vapor from alcohol . . . . .	4
" " benzine . . . . .	1
" " gasoline . . . . .	6
" " naphtha . . . . .	8
" " turpentine . . . . .	1
Water leaks . . . . .	3
	<hr/>
	<b>Total . . . . .</b>
	1772
No fire	(Sprinkler Calls) . . . . .
	56
	Marine (not insured) . . . . .
	1



Statement of the Insurance; loss paid by companies; per cent. of insurance paid in losses by companies; loss not insured; total loss, and per cent. of total loss not insured on buildings and contents; for twenty years, each year commencing January 1, and ending December 31; also the total insurance; total loss paid by companies; per cent. of insurance paid in losses by companies; total loss, and per cent. of total loss not insured for twenty years.

## BUILDINGS

Year	Insurance.	Loss paid by Companies.	Per cent. of Insurance Paid in Losses by Co.'s	Loss not Insured.	Total Loss.	Per cent. of Total Loss not Insured.
1881	\$2,307,064.38	\$115,612.03	5.01	\$14,888.01	\$130,500.04	11.40
1882	2,405,529.94	159,246.42	6.62	26,371.67	185,518.09	14.16
1883	3,856,784.88	334,981.10	8.68	23,478.10	358,459.20	7.00
1884	3,227,819.93	189,168.83	5.86	28,022.40	217,191.23	14.81
1885	3,070,687.89	221,801.75	7.22	24,240.96	246,042.71	9.85
1886	2,733,588.96	275,269.13	10.06	136,800.13	412,069.26	33.19
1887	3,290,462.47	171,871.33	5.22	68,206.29	240,078.22	28.41
1888	4,494,935.42	237,933.85	5.07	12,302.39	240,236.25	5.12
1889	4,583,384.25	911,382.45	19.88	330,747.20	1,242,129.65	26.62
1890	5,016,807.94	400,263.07	7.97	51,162.02	451,425.09	11.36
1891	5,317,350.42	315,821.99	5.89	26,496.70	342,318.69	7.74
1892	5,241,193.10	228,817.43	4.37	33,133.07	261,950.50	12.65
1893	6,047,857.67	1,289,064.24	16.02	115,994.73	1,405,059.95	8.26
1894	6,840,879.33	636,964.32	9.30	236,193.41	873,159.73	27.05
1895	6,657,272.17	433,404.36	6.51	44,048.45	477,452.81	9.22
1896	9,154,604.15	589,103.88	6.43	34,599.75	623,703.63	5.54
1897	8,637,104.31	281,516.16	3.26	21,091.21	302,606.37	6.96
1898	7,975,655.65	438,316.94	5.49	14,315.34	452,632.28	3.16
1899	12,021,964.00	590,745.17	4.91	45,196.71	635,941.88	7.11
1900	11,317,669.01	435,426.12	3.85	67,230.15	492,656.27	11.62
Tot.	\$116,244,906.24	\$8,246,700.15	7.09	\$1,344,420.09	\$9,591,120.85	14.02

## CONTENTS.

Year	Insurance.	Loss Paid by Companies.	Per cent. of Insurance Paid in Losses by Co.'s	Loss not Insured.	Total Loss.	Per cent. of Total Loss not Insured.
1881	\$1,598,163.23	\$304,792.58	19.07	\$31,813.20	\$336,605.78	9.46
1882	2,475,362.73	622,795.39	25.16	150,522.40	773,317.79	19.46
1883	2,742,409.07	306,324.39	21.74	178,198.59	774,522.98	23.00
1884	4,244,172.75	781,134.46	18.40	102,927.91	884,062.37	11.64
1885	2,992,044.37	900,648.20	30.10	85,564.14	986,212.34	8.67
1886	2,270,318.15	499,804.78	22.01	177,322.01	677,126.79	26.18
1887	1,896,074.17	369,067.09	19.57	81,308.80	450,375.89	18.05
1888	3,573,892.81	715,197.05	20.01	76,244.41	791,440.47	9.63
1889	7,153,078.90	3,149,636.38	44.03	427,680.64	3,577,317.02	11.95
1890	3,162,556.68	560,584.18	17.72	76,878.02	637,462.20	12.06
1891	5,090,526.45	1,073,055.44	21.07	96,360.38	1,169,355.82	8.23
1892	3,239,858.48	509,131.35	15.53	81,313.27	584,444.62	13.93
1893	10,332,586.55	3,373,057.42	32.64	246,678.67	3,619,716.09	6.82
1894	3,893,242.42	609,857.10	17.25	183,610.73	853,467.83	21.51
1895	3,365,799.34	641,673.78	19.04	76,816.69	717,890.47	10.70
1896	4,060,722.82	674,830.31	16.61	68,631.98	743,462.29	9.23
1897	3,597,843.02	515,030.92	14.31	43,566.35	558,597.27	7.79
1898	4,301,196.37	891,288.56	20.72	71,964.09	963,252.65	7.47
1899	7,449,794.35	916,218.67	12.22	153,739.99	1,063,958.66	14.45
1900	6,715,581.00	972,158.44	14.47	209,961.73	1,182,120.17	12.23
Tot.	\$84,145,043.60	\$18,723,666.49	22.25	\$2,621,043.00	\$21,344,709.50	12.22

## TOTAL.

Year.	Total Insurance on Buildings and Contents.	Total Loss on Buildings and Contents paid by Companies.	Per cent. of total Insurance Paid in Losses by Co.'s	Total Loss on Buildings and Contents.	Per cent. of Total Loss to Insurance
1881	\$3,905,227.61	\$420,404.61	16.76	\$467,105.82	11.96
1882	4,880,892.67	782,041.81	16.02	958,835.88	19.64
1883	6,599,193.95	931,305.49	14.11	1,132,982.18	17.16
1884	7,471,992.68	970,303.29	12.98	1,101,253.60	14.73
1885	6,062,732.23	1,122,449.95	18.51	1,232,255.05	20.32
1886	5,003,906.71	775,073.91	15.48	1,089,196.05	21.76
1887	5,176,536.64	540,939.02	10.45	690,454.11	13.34
1888	8,066,738.23	943,130.90	11.69	1,031,676.72	12.79
1889	11,736,463.15	4,061,018.83	34.60	4,819,446.67	41.06
1890	8,179,364.62	960,847.25	11.74	1,088,887.29	13.31
1891	10,447,876.87	1,388,877.43	13.29	1,511,674.51	14.47
1892	8,481,051.58	731,948.78	8.62	846,305.12	9.97
1893	18,380,444.12	4,662,091.64	25.36	5,024,765.04	27.32
1894	10,742,621.75	1,306,821.42	12.16	1,726,627.56	16.05
1895	10,023,071.51	1,074,478.14	10.72	1,195,343.28	11.92
1896	13,215,326.97	1,263,934.19	9.56	1,367,165.95	10.35
1897	12,234,947.33	796,546.08	6.51	861,203.64	7.04
1898	12,276,751.92	1,329,605.50	10.83	1,415,884.93	11.53
1899	19,471,668.35	1,590,963.84	7.71	1,699,900.57	7.71
1900	18,033,141.01	1,407,584.56	7.80	1,674,776.44	9.28
Tot.	\$200,389,949.90	\$26,970,366.64	13.45	\$30,935,830.38	15.44

Respectfully submitted,

EDWARD SPAULDING, Secretary.

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# STATISTICS OF ALARMS AND FIRES FOR TEN YEARS.

Year	Area Sq. Mile.	Population Census 1900.	Number of Buildings in the City, &c.										Number of Alarms and Fires.					
			Brick, &c., Buildings last Report.	New Brick Buildings Completed.	Brick Buildings Destroyed.	Total Brick Buildings.	Frame Buildings last Report.	Frame Buildings Completed (New).	Frame Buildings Destroyed.	Total Frame Buildings.	Grand Total Brick and Frame.	Total Alarms.	Brick, Iron, &c.	Frame.	Outside.	Total Fires.	Confined to floor or originated.	Confined to Building originated.
1891	37.01	448,477	22,700	323	1	22,700	43,800	66,500	980	424	389	87	900	780	780	32	1	
1892	"	"	23,028	282	13	23,028	45,763	68,791	1196	510	495	89	1094	955	38	1		
1893	"	"	23,267	368	12	23,267	47,371	70,638	1233	500	403	264	1167	761	24	3		
1894	"	"	23,653	328	1	23,653	46,988	72,641	1233	477	460	115	1052	777	37	3		
1895	"	"	23,980	337	1	23,980	50,442	74,422	1234	471	457	96	1024	772	886	40		
1896	"	496,920	24,292	364	25	24,292	51,873	76,165	1397	546	485	101	1132	831	986	34		
1897	"	"	24,588	364	68	24,588	53,754	78,342	1498	613	542	126	1281	983	1107	39		
1898	"	500,000	24,899	395	*84	24,899	54,954	79,853	1498	591	576	106	1273	995	1231	36		
1899	"	"	25,200	614	*16	25,200	55,739	80,939	1768	748	646	174	1568	1162	1328	48		
1900	"	750,892	25,796	614	*18	25,796	56,929	82,725	1779	794	634	192	1660	1138	1290	47		

Year	Marine Fire Loss and Insurance.				Rents, Fire Loss and Ins.			
	Total Loss thereon.	Total Insurance thereon.	Total Insurance thereon.	Total Loss thereon.	Total Loss thereon.	Total Insurance thereon.	Total Insurance thereon.	Total Loss thereon.
1891	\$1,511,674.51	\$10,447,876.87	\$1,388,877.43	\$1,208.12	\$3,000.00	\$1,208.12	\$3,000.00	\$5,325.31
1892	846,395.12	8,481,051.58	731,948.78	25,057.81	68,057.57	25,057.81	68,057.57	17,184.64
1893	5,024,765.04	18,380,444.12	4,662,091.64	52,619.32	505,500.00	50,569.32	505,500.00	127,793.41
1894	1,726,627.56	10,742,621.75	1,306,621.42	350.00	4,000.00	350.00	4,000.00	4,651.95
1895	1,195,343.28	10,023,071.51	1,074,478.14	56,842.82	58,799.00	56,742.82	58,799.00	1,363.18
1896	1,367,165.92	13,215,326.97	1,263,934.19	13,752.07	239,455.00	13,652.07	239,455.00	16,366.28
1897	861,203.64	12,234,947.33	796,546.08	1,161.48	10,000.00	961.48	10,000.00	7,161.53
1898	1,415,894.95	12,276,751.92	1,323,605.50	47,350.00	1,150,500.00	47,000.00	1,150,500.00	1,533.28
1899	1,689,500.57	19,471,638.36	1,500,963.84	.....	.....	.....	.....	19,259.28
1900	1,674,776.44	18,033,141.01	1,407,584.56	\$2,000.00	.....	.....	.....	47,154.74

†United States Census, June 1900. \*20 frame buildings were totally destroyed by fire, 18 brick and 28 frame buildings were demolished. ‡Not insured.

## MEDICAL EXAMINER'S REPORT.

SAMUEL ABBOTT, JR.,

*Supt. Boston Protective Department.*

*Dear Sir:* As is customary at this time of the year, I forward the report of the work done by your Medical Officer for the year ending March 1, 1901, and herewith respectfully submit the same.

Number of applications for appointment	19
Number of applications for promotion	21
Number of visits made to sick members	63
Number of visits made to injured members	54
Number of attending physicians' reports examined	39
Number of special reports	3
Number of certificates of health to return to duty	29

The work according to months is as follows:

Month	App.	Prom.	Sick	Injured	Special	Rejections
March			1	1		
April			2	2		
May		3	2	2		
June	2		2			
July				1		
August	1		1	3	1	
September	1	4	1		1	
October	5	3	1	2		
November	2	6	2			
December	3	3	5	2		2
January	4	2	3	2		

Of those applying for promotion I am glad to say that it was not necessary either to postpone or reject any; of those applying for membership would say that four were postponed on account of temporary physical indisposition; two were rejected; one on account of physical pre-disposition to disease, and the other because of an exceedingly bad family history and a physical condition which would probably eventuate, if exposed to the work which our department calls for, in a trouble similar to that to which several members of his family have already succumbed.

On investigation the causes for sick leave were found to be as follows:

La grippe	5
Mental depression	2
Muscular rheumatism	2
Acute indigestion	4
Acute tonsillitis	2
Abscess of tonsil	1
Simple fever	1
Dysentery	1
Malaria	1
Acute rheumatism	1
Pleurisy	2
Consumption	1
Typhoid fever	1

The causes for absence on account of injury were as follows:

Contusion of thigh . . . . .	2
Strain of knee . . . . .	3
Strain of wrist . . . . .	1
Lacerated wound . . . . .	1
Punctured wound of foot . . . . .	1
Lacerated wound of scalp . . . . .	1
Simple febricula . . . . .	1
Contusion of back . . . . .	3
Lacerated wound of hand . . . . .	1
Contusion of chest . . . . .	2
Dislocation of thumb . . . . .	1
Punctured wound of hand . . . . .	1
Contusion of ankle . . . . .	3
Contusion of leg . . . . .	1
Sprain of ankle . . . . .	1

It may be interesting to note that eleven of those who reported themselves as sick or injured were found to be in a physical condition which admitted of their being recommended to report for duty. In several instances during the year those who have been sick or injured have made application to return to duty, but their physical condition has not seemed, in the opinion of your Medical Officer, to be such as to warrant their return with safety to themselves and the department.

#### SPECIAL REPORTS.

At the request of the Superintendent, Cornelius T. Lynch, who was a member of this department for some years, was visited, and special reports forwarded concerning his condition and recommendations in regard to the same. It was found that he had serious lung trouble, following typhoid fever, from which he was a sufferer during the summer, and it became evident that his condition was one of consumption, from which he died early in the fall.

Allow me to testify my conviction that the department has lost in this instance a faithful, honest, hard-working member, and one who always, so far as he could see it, did his duty.

A special report was also requested in the case of E. A. Whalen, who, I am glad to say, was found to be in condition to report for duty.

WM. F. TEMPLE, M. D.,  
*Medical Officer Boston Protective Department.*