

THIRTY-THIRD

ANNUAL REPORT

OF THE

Boston Protective Department

From January 1, 1906, to January 1, 1907

OFFICERS.

President:

EDWARD D. BLAKE.

Vice-President:

FRANCIS H. STEVENS.

Secretary-Treasurer:

EDWARD SPAULDING.

Directors:

TO SERVE UNTIL MARCH, 1907.

FRANCIS H. STEVENS. CHARLES B. WHEELLOCK.
ARTHUR N. BRUERTON.

TO SERVE UNTIL MARCH, 1908.

EDWARD D. BLAKE. GEORGE O. RUSSELL.
GEORGE W. HINKLEY.

TO SERVE UNTIL MARCH, 1909.

W. B. HENDERSON. FRED'K W. PORTER,
AUGUSTUS S. LOVETT.

TO THE MEMBERS OF THE
BOSTON PROTECTIVE DEPARTMENT:

The Directors submit herewith the 33d Annual Report of Department with the reports of the Superintendent, Secretary, Treasurer, Medical Officer and the usual statistical tables.

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

For the Directors,

EDWARD D. BLAKE,

President.

TREASURER'S REPORT.

CURRENT INCOME & EXPENSE ACCOUNT FOR THE YEAR ENDING DEC. 31, 1906.

RECEIPTS:

| | |
|-----------------------|-------------|
| Assessments | \$97,476.10 |
| Watch Duty | 283 38 |
| Sundries | 1,008 04 |
| | \$98,767.52 |

EXPENDITURES:

| | |
|--|-------------|
| Pay Roll and Salaries | \$56,592.15 |
| Fees | 144.00 |
| Repairs and Furnishings of Houses | 810.66 |
| Telephone, etc. | 863 31 |
| Water, Gas and Fuel | 1,725.81 |
| Stamps, Printing and Office Supplies | 1 843 90 |
| Department Supplies | 2,809.02 |
| New Equipment | 1,895.94 |
| Rent | 8,110.60 |
| Veterinary | 861 89 |
| Sundries | 2,173 29 |
| Balance | 20,936 95 |
| | \$98,767.52 |

EDWARD SPAULDING, *Treasurer.*

Boston, January 11, 1907.

Audited and found correct.

| | | |
|--|---|---------------------------|
| JOHN H. EDDY, H. H. WHITNEY, C. H. J. KIMBALL, | } | <i>Auditing Committee</i> |
|--|---|---------------------------|

STATEMENT OF ASSESSMENTS MADE IN 1906.

| | | | | |
|---|--------------|--------|-------------|--------------------|
| July 1, 1905 to December 31, 1905: | | | | |
| Premiums on Buildings | \$881,422.82 | at 1½% | \$13,221 34 | |
| Premiums on Contents | 1,264,640.04 | at 3 % | 37,939.20 | \$51,160 54 |
| January 1, 1906 to July 31, 1906: | | | | |
| Premiums on Buildings | \$718,304.60 | at 1½% | \$10,774.56 | |
| Premiums on Contents | 1,123,428 80 | at 3 % | 33,702.59 | 44,477.15 |
| Total Assessments | | | | \$95,637.69 |

SUPERINTENDENT'S REPORT.

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

BOSTON, JANUARY 1st, 1907.

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 Thirty-third Annual Report of operations of the Department for the year ending December 31, 1906.

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; except, that three 5th Grade Privates have been added to the department.

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 T. Fitzgerald | 1 | Henry E. Thompson..... | 1 | John J. McCarthy..... | 1 | 3 |
| 1st. Lieuts., John P. Lane. | 1 | Sam'l A. McDonnell..... | 1 | None..... | 0 | 2 |
| 2d Lieuts., Edgar Abbott..... | 1 | Arthur F. Swift..... | 1 | Daniel Gleason..... | 1 | 3 |
| First Grade Privates..... | 3 | ..... | 4 | ..... | 1 | 8 |
| Second "..... | 1 | ..... | 2 | ..... | 1 | 4 |
| Third "..... | 4 | ..... | 2 | ..... | 3 | 9 |
| Fourth "..... | 1 | ..... | 2 | ..... | 1 | 4 |
| Fifth "..... | 2 | ..... | 1 | ..... | 1 | 4 |
| Auxiliary "..... | 9 | ..... | 9 | ..... | 0 | 18 |
| Call "..... | 0 | ..... | 0 | ..... | 4 | 4 |
| Janitor and Messenger..... | 0 | ..... | 0 | ..... | 1 | 1 |
| Totals | 23 | | 23 | | 14 | 60 |

ALARMS, FIRES, INSURANCE AND LOSS FOR 1906 :

The total alarms during the year 1906 (January 1st to December 31st inclusive) were 3069 of which 1516 were for fires; of these 1149 occurred in brick, stone and iron buildings, 1021 in frame buildings and 899 outside; the number of fires to 1,000 population were 5.43.

Of these fires 1987 were confined to the floor where they originated, 2145 to the building where they originated, 14 extended to adjoining property, and 11 extended beyond adjoining property; the per cent. of fires confined to building where they originated was .70.

The total loss on buildings and contents was \$1,246,110.06, total insurance, \$29,205,458.13 and the total insurance loss was \$1,185,873.25. The above was divided as follows:—

| | |
|---|---------------|
| Total loss on buildings | 552,419.98 |
| Total insurance loss on buildings | 542,772.45 |
| Total insurance on buildings | 21,608,132.08 |
| Per cent of total loss not insured on buildings | 1.75 |
| Total loss on contents | 693,690.13 |
| Total insurance loss on contents | 643,100.80 |
| Total insurance on contents | 7,597,326.05 |
| Per cent of total loss, not insured on contents | 7.29 |

The loss per capita was \$2.22 which does not include the Marine Fire and Rent losses.

The total Rent loss was \$26,525.91, and the total insurance thereon was \$198,050.00.

The per cent of grade of alarms and losses for 1906 were as follows:—

| |
|-----------------------------------|
| 50.60 had no loss. |
| 28.15 the loss was under \$100. |
| 12.51 " " " from \$100 to \$500. |
| 3.72 " " " " \$500 to \$1000. |
| 3.71 " " " " \$1000 to \$5000. |
| .61 " " " " \$5,000 to \$10,000. |
| .35 " " " " \$10,000 to \$15,000. |
| .35 " " " over \$15,000. |

100

THE OPERATIONS OF THE DEPARTMENT FOR THE YEAR 1906 ARE AS FOLLOWS:—

| | | Co. No. 1. | Co. No. 2. | Co. No. 3. |
|--------------------|--------------------------------|------------|------------|------------|
| Alarms. | { Bell | 651 | 744 | 570 |
| | { Still | 146 | 107 | 41 |
| | { Automatic | 152 | 69 | 11 |
| Responded to by | { Wagon | 702 | 323 | 468 |
| | { Callmen | 239 | 225 | 156 |
| Total alarms | | 949 | 920 | 622 |
| Hours Duty. | { At fires | 691.42 | 600.32 | 552.42 |
| | { After fires protecting goods | 103.58 | 58.09 | 20.22 |
| | { Watch | 2170.37 | 1227.46 | 402.59 |
| | { Total | 2966.17 | 1886.27 | 976.03 |
| Covers Used | { On goods | 2117 | 1217 | 238 |
| | { " protecting from storm | 131 | 37 | 69 |
| | { On roofs | 18 | 74 | 6 |
| Total | | 2266 | 1328 | 313 |
| Extinguishers used | | 21 | 35 | 15 |

Second Section (in section) Called in Service.

| | | Co. No. 1. | Co. No. 2. | Co. No. 3. |
|--|--|------------|------------|------------|
| First Alarm | { When 1st out section was at fire | 25 | 30 | 20 |
| | { When all other sections were at fire | 13 | 3 | 0 |
| | { When covering a company district | 1 | 4 | 7 |
| Second Alarms | { 2d Alarms | 9 | 17 | 9 |
| | { With 2d section wagon during day time | 6 | 1 | 0 |
| Telephone calls | | 14 | 9 | 4 |
| Messenger calls | | 2 | 0 | 0 |
| Covering | { When both sections of a company were at fire | 3 | 29 | 33 |
| Auxiliary Force retained on day duty after a fire | | 241 | 46 | 7 |
| " " " " " " extra hazardous days | | 2 | 2 | 2 |
| Auxiliary Force reporting at fires, day time | | 6 | 3 | 5 |
| | Totals | 322 | 144 | 87 |
| Protecting roofs | | 7 | 2 | 2 |

The total number of alarms and fires were 3069, it being 749 more than last year.

There were 1533½ hours' fire service, 3801½ hours' watch duty and 180½ hours service protecting buildings and contents from storms, equivalent to 551 days of 10 hours each. There were 3572 covers used in covering goods at fire, 59 on goods and 266 on roofs, protecting the buildings and contents after fires from additional damage by storms, which make a total of 3897 covers used.

| | | | |
|--|--|------------|---------|
| Review of alarms and fires for twenty-six years, from 1881 to 1902 inclusive; being from March 1st to the last day of February of each year; 1903 to 1906 inclusive, being from January 1st to December 31st of each year. | In City Districts, | Exhibit A. | Page 29 |
| | Causes, | " B. | " 30 |
| | Hours of the Day, { 83 per cent of alarms and fires have occurred between the hours of 12 o'clock noon and 12 o'clock midnight } | " C. | " 31 |
| | Days of the Week, | " D. | " 31 |
| | Insurance and loss on buildings and contents, | | " 20 |
| Review of losses on buildings and contents for twenty-six years from 1881 to 1906 inclusive, commencing January 1 and ending December 31st of each year. | Insurance and Loss, | | " 24-25 |
| | Grade of Losses, { 49.40 per cent. of all alarms were for fires with a loss; the average loss for each fire was \$827.43. } | Exhibit E. | Page 32 |

SPRINKLERS.

The operations of the department in buildings equipped with the sprinkler system, for the year 1906 were as follows:—

| Date. | Street. | Duty Performed | Covers Spread. | Sprink'r Heads replaced | Loss. | | Cause. |
|---------------|-------------------|----------------|----------------|-------------------------|------------|-----------|----------------------------|
| | | H. M. | | | Building. | Contents. | |
| *Jan. 7, 1906 | 208 Summer | 13.41 | 9 | 1 | None | \$22.00 | Sprinkler operated |
| * " 12, " | 208 Summer | 1.40 | 66 | 2 | None | None | Sprinkler operated |
| * " 13, " | 208 Summer | 37 17 | 81 | 5 | \$1,404.01 | \$294 90 | Sprinkler operated |
| " 20, " | 275 Congress | 1.03 | 6 | 1 | None | None | Workman |
| * " 20, " | 100 Boylston | .26 | 0 | 1 | None | None | Sprinkler operated |
| " 21, " | 85 Albany | .14 | 0 | 0 | None | None | Water hammer |
| " 29, " | 494 Harrison Ave. | .36 | 0 | 1 | None | None | Workman |
| Feb. 6, " | 25 Winter | .25 | 0 | 2 | None | \$28.48 | Break |
| " 6, " | 614 Washington | .25 | 0 | 1 | None | None | Unknown |
| " 11, " | 85 Beach | .16 | 0 | 1 | None | None | Water hammer |
| " 11, " | 604 Atlantic Ave. | .46 | 0 | 1 | None | None | Defective alarm valve |
| * " 11, " | 558 Washington | 4.07 | 47 | 4 | \$261.82 | Unknown | Sprinkler operated |
| " 15, " | Wash'gton & Essex | .22 | 0 | 1 | None | None | Needless alarm |
| Mar. 1, " | Wash'gton & Essex | .21 | 0 | 0 | None | None | Turning water on to system |
| " 4, " | 118 Kneeland | .12 | 0 | 0 | None | None | Water hammer |
| * " 5, " | 67 Essex | 19.33 | 25 | 1 | \$133.49 | \$78.77 | Sprinkler operated |
| " 5, " | 208 Summer | .16 | 0 | 0 | None | None | Water hammer |
| * " 9, " | 208 Summer | 12.20 | 16 | 1 | None | \$50.00 | Sprinkler operated |
| " 17, " | 443 Albany | .57 | 6 | 0 | None | None | Breakage |
| " 22, " | 558 Washington | 1.26 | 0 | 2 | None | None | Leaky heads |
| " 24, " | 94 Portland | 1.26 | 0 | 1 | None | None | Defective head |
| " 24, " | 443 Albany | .25 | 0 | 1 | None | None | Defective packing |
| " 27, " | 612 Atlantic Ave. | 1.32 | 0 | 1 | None | None | Defective diaphragm |
| " 28, " | 620 Atlantic Ave. | .35 | 0 | 1 | None | None | Break |
| " 29, " | 620 Atlantic Ave. | .28 | 0 | 1 | None | None | Defective head |
| " 29, " | 558 Washington | 1.07 | 1 | 0 | None | None | Defective elbow |
| *Apr. 2, " | 270 Congress | 3.13 | 25 | 1 | \$360 | None | Sprinkler operated |
| " 16, " | 275 Congress | 1.26 | 15 | 0 | None | None | Hoist rope striking held |
| * " 21, " | 278 Congress | 2 27 | 17 | 2 | None | \$403 | Sprinkler operated |
| " 30, " | 558 Washington | 1.38 | 0 | 1 | None | None | Defective head |
| May 4, " | Granite | .27 | 0 | 0 | None | None | Workman striking pipe |
| " 11, " | 253 A Street | 1.49 | 3 | 0 | None | None | Defective T Coupling |
| " 14, " | 249 A Street | .46 | 0 | 0 | None | None | Defective Sprinkler pump |
| " 15, " | 170 High | .11 | 0 | 0 | None | None | Workman working on system |
| " 20, " | 171 Lincoln | .17 | 0 | 0 | None | None | Water hammer |
| " 21, " | 200 High | .12 | 0 | 0 | None | None | Water hammer |
| * " 30, " | Granite | 1.55 | 10 | 2 | None | None | Sprinkler operated |
| June 20, " | 85 Beach | .12 | 0 | 0 | None | None | Water hammer |
| July 1, " | 620 Atlantic Ave. | 2.05 | 0 | 1 | None | None | Defective head |

SPRINKLERS—continued.

| Date. | Street. | Duty Performed. | Covers Spread. | Sprink'r Heads replaced | Loss. | | Cause. |
|--------------|----------------------|-----------------|----------------|-------------------------|-----------|------------|--------------------------------|
| | | H. M. | | | Building. | Contents. | |
| July 6, 1906 | 12 Binford | .51 | 1 | 1 | None | None | Water hammer |
| " 6, " | 25 Winter | .51 | 1 | 1 | None | None | Workman |
| " 17, " | 291 Congress | .31 | 0 | 0 | None | None | Defective head |
| " 20, " | Central Wharf | .17 | 0 | 0 | None | None | Water hammer |
| " 23, " | 172 Columbus Ave. | .53 | 1 | 1 | None | None | Bursting of a steam pipe |
| Aug. 3, " | 230 Rutherford Ave. | .10 | 0 | 0 | None | None | Pumping up air pressure |
| " 5, " | 620 Atlantic Ave. | .22 | 0 | 1 | None | None | Defective head |
| " 19, " | 42 Avon | 1.08 | 6 | 1 | None | None | Defective head |
| " 23, " | 364 Congress | .56 | 0 | 0 | None | None | Employee breaking pipe |
| " 23, " | 364 Congress | .22 | 0 | 0 | None | None | Needless alarm. |
| " 23, " | 81 Essex | .50 | 0 | 1 | None | None | Employee breaking pipe. |
| " 29, " | 603 Washington | .31 | 0 | 0 | None | None | Broken pipe |
| Sep. 11, " | 558 Washington | 1.05 | 1 | 1 | None | None | Leaky head. |
| " 13, " | 46 Canal | 3.11 | 4 | 1 | \$10.00 | \$15.00 | Defective head. |
| " 15, " | 91 Causeway | .20 | 0 | 0 | None | None | Trouble in alarm valve. |
| " 18, " | 68 Essex | .53 | 0 | 1 | \$84.35 | \$912.00 | Sprinkler operated. |
| " 21, " | 500 Washington | .17 | 0 | 0 | None | None | Pumping pressure. |
| " 24, " | 500 Washington | .23 | 0 | 0 | None | None | Truoble in valve. |
| " 30, " | 364 Congress | 13.11 | 4 | 1 | None | None | Sprinkler operated. |
| *Oct. 1, " | 120 Tudor | 2.18 | 15 | 3 | None | None | Sprinkler operated. |
| * " 3, " | 1240 Columbia Rd. | 2.10 | 0 | 3 | \$107.82 | \$1,269.83 | Sprinkler operated. |
| " 3, " | 197 Portland | 1.31 | 6 | 1 | None | None | Steam escaping. |
| * " 9, " | 390 Atlantic Ave. | 7.11 | 35 | 1 | None | \$68.88 | Spontaneous combustion of rags |
| " 9, " | 174 High | .28 | 0 | 1 | None | None | Defective head. |
| * " 9, " | 17 Water, Ch'lst'wn | 1.28 | 6 | 1 | None | \$365.69 | Unknown. |
| " 10, " | 208 Summer | .19 | 0 | 0 | None | None | Waterhammer. |
| * " 13, " | 176 High | .57 | 0 | 1 | None | None | Leak. |
| " 17, " | 119 Washington | .26 | 0 | 0 | None | None | Trouble in Valve |
| " 17, " | 176 High | .23 | 0 | 1 | None | None | Leak |
| * " 27, " | 535 Albany | 1.09 | 0 | 2 | None | None | Sprinkler operated |
| Nov. 6, " | 200 Summer | .10 | 0 | 0 | None | None | Break of drip pipe |
| " 10, " | Pier 40, Water, Chn. | 1.45 | 0 | 0 | None | None | Defective valve |
| * " 14, " | 8 Thayer | 1.35 | 24 | 1 | None | \$2,500 | Sprinkler operated |
| " 17, " | 176 Portland | .57 | 0 | 1 | None | None | Defective pipe |
| * " 19, " | 253 A St | 1.02 | 25 | 0 | None | \$389.00 | Overheat from a gas furnace |
| * " 20, " | 176 High | 5.54 | 33 | 1 | None | \$30 | Sprinkler operated |
| " 24, " | 421 Tremont | .51 | 0 | 1 | None | None | Accident to pipe |
| " 26, " | 91 Causeway | .38 | 0 | 0 | None | None | Low air pressure |
| " 29, " | 15 East | 1.10 | 0 | 1 | None | None | Low air pressure |

SPRINKLERS—continued

| Date. | Street. | Duty Performed. | | Covers Spread. | Sprink'r Heads replaced | Loss. | | Cause. |
|--------------|---------------------|-----------------|----|----------------|-------------------------|-----------|-----------|-----------------------|
| | | H. | M. | | | Building. | Contents. | |
| Dec. 3, 1906 | 590 Washington | 1.00 | 0 | 0 | 0 | None | None | Sprinkler operated |
| " 4, " | 176 Portland | 1.22 | 0 | 1 | 1 | None | None | Frozen head |
| " 4, " | 500 Washington | .36 | 0 | 1 | 1 | None | None | Frozen pipe |
| " 4, " | 74 Portland | 1.05 | 0 | 0 | 0 | None | None | Frozen elbow |
| " 4, " | 59 Bedford | .48 | 0 | 0 | 0 | None | None | Frozen head |
| " 4, " | 43 Wormwood | 1.32 | 0 | 0 | 0 | None | None | Frozen head |
| " 4, " | 624 Atlantic Ave. | .50 | 0 | 0 | 0 | None | None | Frozen coupling |
| " 5, " | 494 Harrison Ave. | 1.02 | 0 | 0 | 0 | None | None | Frozen pipe |
| " 5, " | 620 Atlantic Ave. | .12 | 0 | 0 | 0 | None | None | Frozen pipe |
| " 5, " | 195 Portland | .43 | 0 | 1 | 1 | None | None | Frozen head |
| " 6, " | Pier 44, Charlest'n | 1.18 | 0 | 0 | 0 | None | None | Defective elbow |
| " 7, " | 232 Dover | .12 | 0 | 0 | 0 | None | None | Water hammer |
| " 8, " | 94 Portland | .36 | 0 | 0 | 0 | None | None | Frozen head |
| " 8, " | 208 Summer, rear | .30 | 0 | 0 | 0 | None | None | Frozen head |
| " 8, " | 208 Summer, rear | .56 | 0 | 0 | 0 | None | None | Water hammer |
| " 9, " | .53 Summer | .50 | 0 | 0 | 0 | None | None | Water hammer |
| " 10, " | 52 Summer | .50 | 0 | 0 | 0 | None | None | Frozen head |
| " 11, " | Granite | .30 | 0 | 0 | 0 | None | None | Water hammer |
| " 12, " | 352 Washington | 1.24 | 0 | 0 | 0 | None | None | Defective alarm valve |
| " 20, " | 232 Dover | .10 | 0 | 0 | 0 | None | None | Frozen head |
| " 21, " | Mystic Wharf | .57 | 0 | 0 | 0 | None | None | Unknown |
| * " 21, " | 141 Essex | .53 | 6 | 0 | 0 | None | None | Unknown |
| " 24, " | 107 Commercial | 1.12 | 12 | 0 | 0 | None | None | Frozen pipe |

*Fires, Sprinkler heads operating.

There were twenty-three (23) fires, where Sprinkler heads operated; and thirty-five (35) sprinkler heads were replaced.

There were seventy-nine (79) calls for defective systems or trouble:

Hours service, 62 hours and 28 minutes.

Covers spread, 81.

Sprinkler heads replaced, 33.

Loss on building, \$10.00

Loss on contents, \$432.48.

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 of Department.

SCHEDULE OF PROPERTY.

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

| | |
|---|-----|
| Horses | 16 |
| Wagons large "complete" | 5 |
| Wagons small "complete" | 2 |
| Wagon supply | 1 |
| Pungs "complete" | 3 |
| Wagons for Superintendent | 2 |
| Sleighs " " | 2 |
| Rubber covers "stock" | 611 |
| Rubber covers "roof" | 22 |
| Canvas covers for roofs | 4 |
| Fire extinguishers | 11 |
| Life saving nets | 4 |
| Life saving blankets | 2 |
| Sets of patent double harnesses | 7 |
| Single harnesses | 2 |
| Lead reins, 4 horse | 5 |
| Wagon poles "extra" | 4 |
| Wheels "extra" | 4 |
| Whiffletrees "extra" | 5 |
| Lead bars, 4 horse | 5 |
| Three Horse Hitches | 5 |
| " " " Whiffletrees "spare" | 3 |
| " " " Eveners "set spare" | 1 |
| Bedsteads with bedding | 57 |
| Billiard table "complete" | 1 |
| 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.

OFFICE OF SECRETARY-TREASURER,

40 PURCHASE STREET,

BOSTON, JANUARY 1st, 1907.

TO THE PRESIDENT AND DIRECTORS:

Gentlemen:— The amount of insurance involved; together with the fire losses sustained by the insurance companies from January 1, 1906, to December 31, inclusive is as follows:

| | |
|--|-----------------|
| Insurance on buildings | \$21,608,132.08 |
| Loss on buildings | 542,772.45 |
| Insurance on contents | 7,597,326.05 |
| Loss on contents | 643 100.80 |
| Insurance on marine risks | 20,123.00 |
| Loss on marine risks | 2,041.82 |
| Insurance on rents | 198,050.00 |
| Loss on rents | 26,525.91 |
| Sprinkler insurance | 256,000.00 |
| Sprinkler loss partially settled | 648.17 |

CAUSES OF FIRES AND ALARMS.

JANUARY 1, 1905, TO JANUARY 1, 1906.

| | |
|--|--------------|
| Ashes in wooden receptacles, hot | 43 |
| Buildings, defective | 52 |
| Causes not otherwise enumerated | 608 |
| Combustion, spontaneous | 57 |
| Electricity | 60 |
| Fire Works | 11 |
| Gas | 142 |
| Incendiary (supposed) | 57 |
| Kerosene-oil | 142 |
| Matches | 340 |
| Needless | 580 |
| Overheating | 116 |
| Sparks | 113 |
| Unknown | 708 |
| Vapors igniting | 27 |
| Water pipes, attempt to thaw | 13 |
| | 3,069 |

MONTHLY STATEMENT.

Of Insurance and Losses on Buildings, Contents, Rents, and Marine, for the year ending December 31, 1906.

| Months. | Buildings. | | | Contents. | | | Rents. | | Marine. | | Sprinklers. | |
|------------|-----------------|-----------------|--------------|----------------|-----------------|--------------|--------------|-------------|-------------|------------|--------------|----------|
| | Insurance. | Loss Insurance. | Loss not in. | Insurance. | Loss Insurance. | Loss not in. | Insurance. | Loss. | Insurance. | Loss. | Insurance. | Loss. |
| Jan., 1906 | \$1,280,553.00 | \$ 73,477.58 | \$ 290.00 | \$653,000.00 | \$128,344.34 | \$ 8,572.73 | | | \$10,083.00 | \$ 959.31 | | |
| Feb., | 2,241,474.06 | 31,719.45 | 334.10 | 385,800.00 | 46,310.72 | 955.00 | \$94,500.00 | \$52.20 | | | \$7,000.00 | \$28.48 |
| March, | 1,851,878.00 | 45,555.10 | 680.00 | 375,150.00 | 45,501.01 | 1,131.96 | 2,000.00 | 55.75 | | | | |
| April, | 1,457,771.61 | 69,595.41 | 1,092.00 | 1,271,654.33 | 27,530.45 | 1,241.37 | 31,500.00 | 953.43 | | | | |
| May, | 1,191,100.00 | 19,518.08 | 645.00 | 599,345.00 | 45,003.66 | 2,054.63 | | | | | | |
| June, | 1,472,914.00 | 30,223.50 | 2,031.00 | 673,974.04 | 40,601.63 | 1,754.35 | | | | | | |
| July, | 1,552,937.00 | 29,734.85 | 483.00 | 178,327.85 | 19,108.50 | 2,074.14 | | | | | \$150,000.00 | 35.40 |
| Aug., | 925,652.50 | 26,119.34 | 675.00 | 220,800.00 | 33,467.95 | 2,087.90 | | | 1,000.00 | 250.00 | 56,400.00 | 37.30 |
| Sept., | 1,144,000.00 | 27,317.31 | 1,440.00 | 344,196.64 | 31,227.30 | 3,778.70 | 19,250.00 | 308.33 | | | | |
| Oct., | 1,393,597.00 | 13,099.53 | 227.87 | 1,198,357.57 | 13,867.40 | 975.44 | | | 600.00 | 840.00 | | |
| Nov., | 3,190,487.91 | 38,121.38 | 1,526.61 | 548,024.00 | 54,026.43 | 17,804.10 | | | | | 24,000.00 | 303.00 |
| Dec., | 3,386,387.00 | 140,238.17 | 190.00 | 1,316,207.21 | 165,104.28 | 8,729.84 | 50,000.00 | 24,525.00 | 8,500.00 | 292.81 | 23,000.00 | 145.00 |
| | \$21,608,132.08 | \$542,772.45 | \$9,647.47 | \$7,597,326.05 | \$643,100.80 | \$50,588.33 | \$198,050.00 | \$26,525.91 | \$20,123.00 | \$2,041.82 | \$256,000.00 | \$648.17 |

CLASSIFICATION OF COVERS SPREAD.

| | | | |
|---|-----|-------------------------------------|------|
| 76 Fires of 1 Cover each | 76 | 1 Fires of 27 Covers each | 27 |
| 44 " " 2 Covers " | 88 | 3 " " 28 " " | 84 |
| 33 " " 3 " " | 99 | 1 " " 29 " " | 29 |
| 14 " " 4 " " | 56 | 2 " " 30 " " | 60 |
| 21 " " 5 " " | 105 | 1 " " 32 " " | 32 |
| 14 " " 6 " " | 84 | 1 " " 33 " " | 33 |
| 9 " " 7 " " | 63 | 3 " " 34 " " | 102 |
| 10 " " 8 " " | 80 | 2 " " 35 " " | 70 |
| 8 " " 9 " " | 72 | 1 " " 37 " " | 37 |
| 10 " " 10 " " | 100 | 1 " " 38 " " | 38 |
| 5 " " 11 " " | 55 | 1 " " 39 " " | 39 |
| 3 " " 12 " " | 36 | 2 " " 41 " " | 82 |
| 3 " " 13 " " | 39 | 2 " " 45 " " | 90 |
| 8 " " 14 " " | 112 | 1 " " 47 " " | 47 |
| 3 " " 15 " " | 45 | 1 " " 55 " " | 55 |
| 1 " " 16 " " | 16 | 1 " " 58 " " | 58 |
| 3 " " 17 " " | 51 | 1 " " 59 " " | 59 |
| 2 " " 18 " " | 36 | 1 " " 60 " " | 60 |
| 4 " " 19 " " | 76 | 1 " " 67 " " | 67 |
| 2 " " 20 " " | 40 | 1 " " 68 " " | 68 |
| 1 " " 21 " " | 21 | 2 " " 70 " " | 140 |
| 5 " " 22 " " | 110 | 1 " " 77 " " | 77 |
| 3 " " 24 " " | 72 | 1 " " 81 " " | 81 |
| 5 " " 25 " " | 125 | 1 " " 110 " " | 110 |
| 1 " " 26 " " | 26 | 1 " " 139 " " | 139 |
| | | 1 " " 205 " " | 205 |
| Total fires | 322 | Total covers | 3572 |
| 322 Fires, 3572 Covers. Averages, 11.08 | | | |

COVERS.

STOCK COVERS.

| | | |
|---|-----|-----|
| On hand last report | 670 | |
| Condemned and Destroyed | 59 | |
| Total Stock Covers on hand January 1, 1907. | | 611 |

ROOF COVERS.

| | | |
|---|----|-----|
| On hand last report | 24 | |
| Condemned and destroyed | 2 | |
| Total roof covers on hand January 1, 1907 | | 22 |
| Total covers on hand January 1, 1907 | | 633 |

GRADE OF LOSSES.

Grade of Losses for the year 1906, commencing January 1st, and ending December 31st.

| 1553 Alarms with no loss. | Aggregate | Average. |
|---|-----------------------|---------------|
| 864 Fires with loss under \$100 | \$ 32,063.55 | \$ 37.11 |
| 384 " " " from \$100 to \$500 | 88,185.86 | 229.68 |
| 114 " " " " \$500 to \$1,000 | 78,099.70 | 685.08 |
| 113 " " " " \$1,000 to \$5,000 | 254,456.35 | 2,251.88 |
| 19 " " " " \$5,000 to \$10,000 | 131,266.42 | 6,908.77 |
| 11 " " " " \$10,000 to \$15,000 | 132,150.18 | 12,013.65 |
| Over \$15,000 as follows: | | |
| 1 Fire Jan. 9, Wormwood and Binford St., Stores | 123,797.73 | } \$48,171.50 |
| 1 " " 17, 262 Dover St. | 23,534.02 | |
| 1 " Feb. 17, 34 Oliver St. | 18,291.84 | |
| 1 " Mar. 23, Faneuil Hall Square | 42,187.32 | |
| 1 " Apr. 25, 401 Commonwealth Ave. | 37,600.00 | |
| 1 " May 29, 107 Atkinson St. | 36,911.30 | |
| 1 " June 12, 139 Bolton St. | 19,537.75 | |
| 1 " June 14, Haverhill St., B. & M. R. R. | 15,660.81 | |
| 1 " Nov. 10, 14 Medford St., | 42,881.48 | |
| 1 " Nov. 10, 181 Franklin St., | 36,125.27 | |
| 1 " Dec. 19, 104 Tremont Studio Building | 183,358.48 | |
| | \$1,246,110.06 | |

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

| Year. | Total Alarms. | Total Fires with Loss. | Total Loss. | Average Loss of Total Alarms. | 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 | 2,766.96 |
| 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 | 1,862.23 |
| 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 | 861,203.64 | 600.15 | 899.86 |
| 1898 | 1,499 | 967 | 1,415,884.93 | 944.55 | 1,464.20 |
| 1899 | 1,768 | 1,108 | 1,699,900.57 | 961.43 | 1,534.20 |
| 1900 | 1,779 | 1,145 | 1,674,776.44 | 941.42 | 1,462.68 |
| 1901 | 1,681 | 1,045 | 1,754,437.55 | 1,049.69 | 1,678.88 |
| 1902 | 1,985 | 1,184 | 1,570,533.25 | 791.25 | 1,326.45 |
| 1903 | 1,990 | 1,140 | 2,040,235.95 | 1,025.74 | 1,789.68 |
| 1904 | 2,001 | 1,228 | 2,491,706.43 | 1,245.23 | 2,029.07 |
| 1905 | 2,320 | 1,337 | 2,143,031.35 | 923.72 | 1,602.86 |
| 1906 | *3,069 | 1,516 | 1,246,110.06 | 406.03 | 827.43 |
| Total | 33,817 | 20,235 | \$42,181,884.96 | \$1,244.40 | \$2,065.52 |

*Includes all STILL ALARMS attended by the Fire Department which this Department were not notified of.

TOTALS.

| 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 Cos. | 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 | 846,395.12 | 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 | 1,367,165.92 | 10.35 |
| 1897 | 12,234,947.33 | 796,546.08 | 6.51 | 861,203.64 | 7.04 |
| 1898 | 12,476,751.92 | 1,329,605.50 | 10.83 | 1,415,884.93 | 11.53 |
| 1899 | 19,471,668.35 | 1,500,963.84 | 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 |
| 1901 | 17,566,969.50 | 1,647,681.16 | 9.38 | 1,754,437.55 | 9.99 |
| 1902 | 18,986,710.95 | 1,481,723.88 | 7.83 | 1,570,533.25 | 8.29 |
| 1903 | 20,562,308.29 | 1,857,403.27 | 9.03 | 2,040,235.95 | 9.92 |
| 1904 | 23,622,505.01 | 2,261,952.37 | 9.58 | 2,491,706.43 | 10.54 |
| 1905 | 25,071,923.27 | 2,006,864.94 | 8.00 | 2,143,031.35 | 8.54 |
| 1906 | 29,205,468.13 | 1,185,873.25 | 4.06 | 1,246,110.06 | 4.27 |
| Tot. | \$33,405,824.98 | \$37,312,865.51 | 11.13 | \$42,181,884.92 | 12.58 |

Rental losses not included, see tables.

Respectfully submitted, EDWARD SPAULDING, Secretary.

CAUSES OF ALARMS AND FIRES

(January 1, 1906 to January 1, 1907.)

| | |
|--|-----|
| Alarms, false | 113 |
| " needless | 467 |
| Ashes, hot in wooden receptacles | 43 |
| Assistance asked for | 1 |
| Boiling over of fat | 24 |
| " " " tar | 8 |
| " " " wax | 2 |
| Bon fires | 17 |
| Boys, set by | 98 |
| Brush fires | 25 |
| Burning paper | 7 |
| Candles | 48 |
| Celluloid | 1 |
| Chimney fires | 85 |
| Christmas trees | 3 |
| Cigars | 39 |
| Cigarettes | 24 |
| Defective chimneys | 47 |
| " flues | 2 |
| " furnaces | 3 |
| Electric light wires | 45 |
| " motors | 13 |
| " flat irons | 1 |
| " heaters | 1 |
| Fire crackers | 3 |
| " works | 7 |
| " balloon | 1 |
| Friction from machinery | 1 |
| Fumigating | 4 |
| Gas leaks | 3 |
| " jets | 67 |
| " " and curtains | 45 |
| " explosions | 2 |
| " engines | 1 |
| " stoves | 24 |
| Gasoline lamps | 1 |
| " torches | 3 |
| " stoves | 2 |
| Grease | 9 |
| Grass fires | 79 |
| Hay | 1 |
| Hot coals | 12 |
| " iron | 1 |
| " lead | 1 |
| Incendiary | 6 |
| " supposed | 51 |

| | |
|--|--------------|
| Kerosene oil | 5 |
| “ “ lamps | 61 |
| “ “ “ overturned or broken | 18 |
| “ “ exploding | 14 |
| “ “ stoves | 34 |
| Lime slacking | 4 |
| Lightning | 5 |
| Matches, careless use of | 194 |
| “ and children | 114 |
| “ “ rats | 32 |
| Overheated boilers | 10 |
| “ chimneys | 1 |
| “ dry room | 1 |
| “ furnaces | 27 |
| “ fire boxes | 1 |
| “ metal | 3 |
| “ ovens | 3 |
| “ ranges | 2 |
| “ stoves | 61 |
| “ stove pipes | 5 |
| “ steam pipes | 2 |
| Painters' or plumbers' torches | 4 |
| Picking machines | 3 |
| Rubbish | 61 |
| Smelters | 1 |
| Smoky chimneys | 4 |
| “ furnaces | 1 |
| “ ovens | 1 |
| “ stoves | 9 |
| Smokers' pipes | 27 |
| Sparks from boilers | 2 |
| “ “ chimneys | 36 |
| “ “ engines | 10 |
| “ “ furnaces | 6 |
| “ “ fire boxes | 1 |
| “ “ fire places | 1 |
| “ “ flues | 1 |
| “ “ forges | 5 |
| “ “ grates | 1 |
| “ “ locomotives | 43 |
| “ “ roasters | 1 |
| “ “ stoves | 6 |
| Spontaneous combustions | 57 |
| Thawing water pipes | 13 |
| Unknown | 708 |
| Vapor from alcohol | 3 |
| “ “ gasoline | 13 |
| “ “ naphtha | 8 |
| “ “ paint | 1 |
| “ “ varnish | 1 |
| “ “ vitrol | 1 |
| Total | 3,069 |

MONTHLY STATEMENT.

Of Insurance and Losses on Buildings, Contents, Rents, and Marine, for the year ending December 31, 1906.

| Months. | Buildings. | | | Contents. | | | Rents. | | Marine. | | Sprinklers. | |
|------------|-----------------|---------------|--------------|----------------|---------------|--------------|--------------|-------------|-------------|------------|--------------|----------|
| | Insurance. | Loss insured. | Loss not in. | Insurance. | Loss insured. | Loss not in. | Insurance. | Loss. | Insurance. | Loss. | Insurance. | Loss. |
| Jan., 1906 | \$1,289,553.00 | \$ 73,477.58 | \$ 220.00 | \$253,000.00 | \$128,344.34 | \$ 8,572.73 | | | \$10,083.00 | \$ 959.31 | | |
| Feb., | 2,241,474.06 | 31,715.45 | 334.10 | 385,395.00 | 46,310.72 | 955.00 | \$94,500.00 | \$522.20 | | | \$7,000.00 | \$28.48 |
| March, | 1,851,878.00 | 45,535.10 | 690.00 | 575,136.00 | 65,501.01 | 1,132.00 | 2,500.00 | 52.75 | | | | |
| April, | 1,487,771.61 | 69,592.41 | 1,082.00 | 1,271,484.33 | 27,530.42 | 1,341.07 | 31,500.00 | 933.63 | | | | |
| May, | 1,391,166.00 | 39,518.08 | 645.00 | 699,945.00 | 65,000.00 | 2,054.63 | | | | | | |
| June, | 1,472,914.00 | 26,223.26 | 2,031.00 | 573,974.94 | 40,691.00 | 1,754.38 | | | | | \$150,000.00 | 26.40 |
| July, | 752,857.94 | 29,734.95 | 482.00 | 178,827.85 | 19,148.50 | 2,674.14 | | | | | 50,401.00 | \$7.30 |
| Aug., | 952,692.50 | 25,159.34 | 675.00 | 220,300.00 | 33,467.96 | 2,087.00 | | | 1,900.00 | 280.00 | | |
| Sept., | 1,144,930.00 | 27,317.31 | 1,440.00 | 344,104.64 | 31,227.39 | 2,778.70 | 23,250.00 | 308.33 | | | 640.00 | 840.00 |
| Oct., | 1,925,297.00 | 12,998.53 | 227.87 | 1,104,357.57 | 19,867.49 | 975.44 | | | 600.00 | 840.00 | | |
| Nov., | 2,190,487.91 | 39,121.96 | 1,525.61 | 640,524.00 | 84,526.43 | 17,824.10 | | | | | 24,000.00 | 220.00 |
| Dec., | 3,886,387.00 | 140,238.17 | 130.00 | 1,318,207.24 | 102,104.38 | 8,729.84 | 50,800.00 | 24,825.00 | 8,500.00 | 291.81 | 23,000.00 | 195.00 |
| | \$21,906,133.08 | \$642,772.45 | \$9,647.47 | \$7,697,593.05 | \$643,100.80 | \$50,589.33 | \$198,000.00 | \$20,325.91 | \$20,123.00 | \$2,041.82 | \$256,000.00 | \$648.17 |

MEDICAL EXAMINER'S REPORT.

1906.

SAMUEL ABBOTT, JR.,
Supt. Boston Protective Department.

Dear Sir: Your Medical Officer respectfully submits the following report for the year ending Dec. 31, 1906:

| | |
|--|-----|
| Number of applications for appointment | 28 |
| Number of applications for promotion | 31 |
| Number of visits to sick members | 70 |
| Number of visits to injured members | 131 |
| Number of physician's reports | 59 |
| Number of special reports | 6 |
| Number of certificates of health to return to duty | 35 |

There were three of the applicants rejected:

| | |
|----------------------------|---|
| Kidney disease | 1 |
| Heart disease | 1 |
| Defective vision | 1 |

A record of the causes for sick leave is as follows:

| | |
|-----------------------------------|---|
| Acute Tonsilitis | 2 |
| Acute Indigestion | 3 |
| Acute Enteritis | 3 |
| Gastro-Enteritis | 2 |
| Eczema | 1 |
| Coryza (head cold) | 2 |
| Naso-Pharyngeal Catarrh | 1 |
| Pharyngitis | 1 |
| Alcoholism | 1 |
| Appendicitis | 1 |
| Neuralgia | 1 |
| Facial Neuralgia | 3 |
| Muscular Rheumatism | 2 |
| Syphilis | 1 |

A record of the injuries is as follows:

| | |
|--|---|
| Contusion of back | 1 |
| " leg | 2 |
| " hand | 2 |
| Strain of muscles of arm | 3 |
| " " back | 1 |
| " " thigh | 1 |
| | |
| Sprained wrist | 2 |
| " ankle | 1 |
| Poisoned wound of hand | 2 |
| " " foot | 3 |
| Incised wound of face | 1 |
| Lacerated wound of face | 2 |
| " " hand | 3 |
| " " elbow | 1 |
| Traumatic inflammation of knee | 2 |
| Frost bite | 1 |
| Swollen testicle | 1 |
| Synovites of knee | 1 |

The year marks the passing of our senior captain, D. W. Brown, whose physical condition, as a result of injury, made it necessary for him to relinquish the duties of which he has had charge for so many years. He has the best wishes and hope of your medical officer for his future happiness and comfort. My thanks are due to the entire Department for the way it has been made possible for your medical officer to perform his duties.

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