

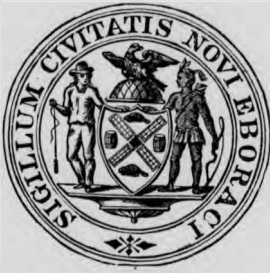
THE CITY RECORD.

OFFICIAL JOURNAL.

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FIRE DEPARTMENT.

Report for the Quarter and Year ending December 31, 1885.

HEADQUARTERS FIRE DEPARTMENT—CITY OF NEW YORK,
NOS. 155 AND 157 MERCER STREET,
OFFICE BOARD OF COMMISSIONERS,
NEW YORK, January 11, 1886.

To the Hon. WILLIAM R. GRACE, Mayor of New York:

SIR—We have the honor to submit herewith the report of the operations and actions of this Department for the quarter ending December 31, 1885, with resumé for the year ending on the same date:

On May 9, the term of office of Commissioner Cornelius Van Cott having expired, Commissioner Henry D. Purroy was appointed Fire Commissioner in his place for the term of six years, from May 1, 1885, and Mr. Elward Smith was appointed Fire Commissioner in place of Commissioner Purroy (who had resigned) for the term ending May 1, 1887.

The Board was then organized by the election of Commissioner Purroy as President and Commissioner Croker as Treasurer, and the appointment of the following committees:

Commissioner Croker, as Chairman of the Committee on Apparatus and Telegraph, to have cognizance of all matters that may be referred to it relating to the Bureaus of the Chief of Department and Inspector of Combustibles, the Fire Alarm Telegraph, Repair Shops, and the Hospital and Training Stables.

Commissioner Smith, as Chairman of the Committee on Buildings and Supplies, to have cognizance of all matters that may be referred to it relating to the Bureaus of Inspection of Buildings and Fire Marshal, the Attorney and the Superintendent of Repairs to Buildings.

The President is ex-officio member of both committees.

Number of each Grade of Officers and Employees on December 31, 1885.

Headquarters—	
Commissioners	3
Secretary and Assistant Secretary	2
Medical Officers	3
Bookkeeper and Clerks	9
Type-writer	1
Janitor	1
Watchman	1
	20

*Bureau of Chief of Department—Ununiformed Force—

Chief of Department	1
Assistant Chief of Department and Second Assistant Chief of Department	2
Chiefs of Battalion	12
Foremen	79
Assistant Foremen	85
Engineers of Steamers	58
Assistant Engineers of Steamers	58
Firemen	11
First Grade	365
Second Grade	140
Third Grade	131
	636
Private, Third Grade	1
	943

Pilots on Fire Steamers (Engines 43 and 51), Ununiformed	4
Stokers on Fire Steamers (Engines 43 and 51), Ununiformed	6
Engineers on Fire Steamers (Engines 43 and 51), Ununiformed	4
	14

Bureau of Inspector of Combustibles—

Inspector of Combustibles	1
Clerks	2
Surveyors	3
Oil Collectors	3
	9

Bureau of Fire Marshal—

Fire Marshal	1
Assistant Fire Marshal	1
Clerks	4
	6

Bureau of Inspection of Buildings—

Superintendent of Buildings (formerly Inspector of Buildings)	1
Clerks	22
Inspectors (formerly Examiners)	33
Messengers	4
Machinists detailed as Supervisors of Elevators	2
	62

Attorney to the Department

	1
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Fire Alarm Telegraph—

Superintendent of Telegraph	1
Chief Operator	1
Operators	3
Assistant Operators	4
Clerks	2
Batterymen and Assistant Batterymen	2
Foreman	1
Linemen	2
	16

* Includes two Foremen, one Assistant Foreman, one Engineer of Steamer, eleven Firemen and one Private relieved from service at fires, under section 24, chapter 742, Laws of 1871, as amended by chapter 119, Laws of 1879, and re-enacted by section 519, chapter 410, Laws of 1882.

Repair Shops—	
Superintendent of Repairs to Buildings	1
Foreman	1
Storekeeper	1
Clerks	2
Messengers	2
Shop Engineer	1
Chief Machinist	1
Machinists	14
Machinists' Helpers	5
Boiler Maker	1
Collar Maker	1
Blacksmiths	4
Blacksmiths' Helpers	4
Wheelwrights	4
Harness Makers	2
Hose Repairers	2
Painters	2
Watchmen	6
Drivers	3
Janitor	4
	62
Hospital Stables—	
Foreman	1
Stablemen	5
	6
Aggregate	
	1,139

Number of Changes by Resignation, Discharge, Death, Promotion, Appointment, etc., in each Grade during the Year.

GRADE.	LOSS BY							GAIN BY			
	Expiration of Term.	Resignation.	Discharge.	Dismissal.	Retirement.	Promotion.	Death.	Appointment.	Promotion.	Employed.	Total.
Commissioners	1	1	..	..	..	..	..	2	2	..	2
Assistant Secretary	..	1	..	..	..	..	..	..	1	..	1
Clerks	..	6	3	..	..	1	..	10	3	..	3
Type-writer	1	..	..	1
Messenger	..	1	..	..	..	..	..	1	..	..	..
Watchmen	1	..	..	..	1	2	..	..	..
Chief of Battalion	1	..	..	..
Foremen	1	..	..	2	3	..	6	6
Assistant Foremen	1	6	..	7	..	11	..	12
Engineers of Steamer	1	2	..	3	..	3	..	3
Assistant Engineers of Steamer	5	..	5	..	12	..	12
Firemen, First Grade	1	4	6	7	18	1383	..	383
Second Grade	..	2	..	4	..	7	3	16	1356	..	156
Third Grade	..	3	..	1	..	6	2	12	1143	..	143
Firemen	1273	..	273	..	..	..	..
Privates, First Grade	157	..	57	..	..	..	..
Second Grade	187	..	87	..	..	..	..
Third Grade	1225	..	225	..	..	..	..
Ununiformed Firemen	40	..	40	40	..	..	40
Marine Engineer	..	1	..	..	..	..	1	..	..	1	1
Stokers	2	..	..	..	2	..	..	2	2
Assistant Fire Marshal	1	..	..	1	1
Inspectors of Buildings	1	1	..	..	..	..	2	1	..	..	1
Superintendent of Buildings	1	..	..	1	1
Inspectors (formerly Examiners)	..	2	10	4	..	..	1	17	9	..	9
Shop Engineer	1	..	..	..	1	1	..	..	1
Machinists	11	..	..	81	..	12	4	1	5
Machinists' Helper	1	..	1	..	..	..
Blacksmiths	2	..	..	..	..	2	2	..	2
Blacksmiths' Helpers	1	..	..	112	..	3	1	..	1
Boiler Maker	1	..	..	1
Harness Maker	1	..	..	..	..	1	..	..	..
Painters	2	..	..	..	..	2	2	..	2
Janitor	1	..	..	1
Drivers	12	..	..	2
Totals	2	18	32	13	6	719	17	807	72	716	3

Net aggregate loss, 16.

*Previously relieved from service at fires.

†Advanced in grade by chap. 234, Laws of 1884.

‡Title of office changed by chap. 456, Laws of 1885, to Superintendent of Buildings.

§Appointed Fireman, Third Grade.

||One appointed Driver; one appointed Fireman, Third Grade.

¶One appointed from Blacksmiths Helper.

Alterations, Amendments and Additions to the Rules and Regulations.

MARCH 10, 1885.

(General Orders No. 1.)

Heads of Bureaus, Superintendents and others hereinafter enumerated, will hereafter furnish to this office, on or before the fifth day of April, July, October and January, reports of operations for the preceding three months, containing the following information:

CHIEF OF DEPARTMENT.

The number and character of alarms, manner of receipt and cause.

Statistics of fires by months, showing the number in buildings and elsewhere, confined to point of starting, confined to the building, extended to other structures, vessels, etc., the number of

structures, etc., to which they extended; how discovered and extinguished; whether the damage was slight or considerable, or resulted in total destruction; the number occurring on each day of the week and during each hour of the day; the amount of water used in the extinguishment of fires, and how much thereof was taken from the rivers; the casualties to members of the uniformed force and to citizens; changes in, and organization of the uniformed force into companies and battalions, showing the complement of officers and men, apparatus and horses, the number of alarms responded to and number of fires duty was performed at by each company; a detailed description of all fires considered notable, by reason either of the loss exceeding \$50,000, or of other special or peculiar circumstances; a classified description of the apparatus of the Department to accompany the report for the last quarter of the year.

INSPECTOR OF COMBUSTIBLES.

The number of complaints of violation of laws regulating storage, transportation, etc., of combustible and explosive materials, etc., chimney fires, open hoistways, obstructed fire-hydrants, want of private fire-extinguishing appliances, defective heating apparatus, etc., under sections 446, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465 and 467 of chapter 410 (Consolidation Act of 1882) received and their disposition; the number of surveys made of storage warehouses, places of amusement, etc.; the number of samples of kerosene oil collected and tested; the amount of money received for licenses and permits issued, penalties collected, and sale of explosives, etc., seized.

FIRE MARSHAL.

Statistics of fires by months, showing the total number, the number resulting in damage to structures only, and in nominal damage or an aggregate loss of less than ten dollars; a detailed description of the cause and origin of all fires considered notable by reason either of the loss exceeding \$50,000, or of special or peculiar circumstances attending the same; the estimated loss, insurance, uninsured loss each separately on structures and contents, the aggregate for each, and the extent of loss; the origin and cause of fires by quarters itemized under the general heads of heating, illuminating, manufacturing and other business, and miscellaneous, including the use to which structures were put in which the fires occurred, amount of loss under each item and heading, and with a recapitulation; the origin consolidated (under the four general heads), and cause of fires by months, with loss and recapitulation; the consolidated origin of fires by months for each of the districts into which the city has been divided for that purpose, classified under dwellings and business buildings, and other places, with loss under buildings and contents separately and a recapitulation; the indictments and convictions for arson, etc.

INSPECTOR OF BUILDINGS.

Statements showing the number of new buildings for which plans and specifications were filed and acted upon, classified and with estimated cost, and the same for alterations to buildings; the number and character of complaints received and investigated; the number of violations of law under the heads of defective construction, materials, etc., building or altering without permit, etc., insufficient means of escape, want of fire-escapes, obstructed aisles, etc., and unsafe buildings; the number of meetings of the board of examiners and the business transacted by it.

ATTORNEY TO THE DEPARTMENT.

Statements showing the number of cases of violations of law relating respectively to combustibles, explosives, etc., and to buildings, fire-escapes, etc., received and disposed of, properly classified; miscellaneous business transacted; action upon claims for damages to Department property; penalties collected and disposition of same, and record of action upon suits, etc., against the Department.

SUPERINTENDENT OF TELEGRAPH.

Statements of the number of alarms, signals and messages, etc., received, by months; and, with the report for the last quarter, the number and kind of circuits, miles of wire, number of poles, street alarm-boxes, and special building boxes.

MEDICAL OFFICERS.

Statements of the number of cases of injury and disease in the uniformed force, with the number of days lost on account of each; number of candidates for appointment examined, and found qualified or disqualified; and, to accompany the report for the last quarter, the names of officers and men of the uniformed force retired and relieved from service at fires, or who may have died, with cause in each case, during the entire year.

INSTRUCTOR OF SCHOOL OF INSTRUCTION.

A statement, at the close of the last quarter, of the number of candidates for appointment and of members of the uniformed force instructed and examined, showing the number found qualified and disqualified in the several classes during the year.

CAPTAIN IN CHARGE OF THE REPAIR SHOPS.

Statements of new apparatus and hose received under contracts, etc., apparatus, etc., manufactured and rebuilt and number of extensive and ordinary repairs to each kind of apparatus, etc.

CAPTAIN IN CHARGE OF THE HOSPITAL AND TRAINING STABLES.

Statement showing the number of horses on hand at the end of the preceding quarter, the number purchased, sold, died (of injuries and illness separately), and the remainder on hand; the number received, and accepted or rejected, on probation.

SUPERINTENDENT OF REPAIRS TO BUILDINGS.

Statement of alterations and repairs to the buildings in use for Department purposes.

BOOKKEEPER.

Statements of the receipts and expenditures of the Relief and Life Insurance Funds, and with the report for the fourth quarter a statement for the entire year of the appropriations and expenditures, of amount of bills and pay-rolls audited and amount realized from sales of condemned horses, materials, etc., and of the disposition of such amounts.

PROPERTY RECORD CLERK.

Statement, at the close of the last quarter, of apparatus and hose on hand and of fire alarm-box keys issued.

All the reports are to be made to conform to the tables, etc., as printed in the reports of the Department, and such additional information as may be of interest will also be furnished.

JUNE 24, 1885.

(General Orders No. 2.)

Paragraph VII., Article IX., of General Orders No. 31, O. B. C., series of 1881, is hereby countermanded and following is substituted therefor:

VII.—Condemned horses and other personal property thus sold shall be accounted for in the fourth entry of the property returns of the Foreman in charge of the Stables and Property Record Clerk, respectively, the voucher therefor being a certificate from the Treasurer of the Board that the same have been sold.

(General Orders No. 3.)

I.—Section 43, paragraph I., General Orders No. 29, O. B. C., series of 1881, is hereby countermanded, and the following is substituted therefor:

BELT.

43. For service on ladders at fires. To be as per pattern in the office of the Chief of Department.

II.—Section 44, paragraph I., General Orders No. 29, O. B. C., series of 1881, is hereby countermanded.

III.—Section 45, paragraph I., General Orders No. 29, O. B. C., series of 1881, is hereby countermanded, and the following is substituted therefor:

HYDRANT WRENCH AND HOSE SPANNER.

45. For all except officers. Of five-eighths inch wrought iron, the wrench to fit the ordinary hydrant cap-nut, and the spanner the standard hose coupling.

IV.—Section 5, paragraph II., General Orders No. 29, O. B. C., series of 1881, is hereby countermanded, and the following is substituted therefor:

5. All officers and members will be held responsible for the safe keeping, proper use, and return of the articles above enumerated, and they are liable to the following penalties for the loss of either of them, which loss will be promptly reported to the Board by the commanding officer:

For the loss of a cap badge.....	Five dollars.
“ a coat badge.....	Five dollars.
“ a belt.....	One day's pay.
“ hat numbers.....	Twenty-five cents.
“ buttons, each.....	Five cents.

V.—Section 6, paragraph III., General Orders No. 29, O. B. C., series of 1881, is hereby countermanded, and the following is substituted therefor:

6. At Fires. The fire cap, and overcoat or water-proof clothing must invariably be worn, unless circumstances should make it impracticable to do so; no other portion of the uniform will be insisted on. The water-proof clothing is considered essential to the preservation of health and to the free and unimpeded motion of the firemen, especially during the cold season. Belts of the pattern prescribed in section 43, paragraph I., General Orders No. 29, O. B. C., series of 1881 (as above amended), to be furnished to the several companies upon requisition, will always be carried upon the apparatus, and company commanders will see to it that their subordinates wear them at all times when performing service on ladders.

JULY 16, 1885.

(General Orders No. 4.)

Paragraph IV., General Orders No. 15, O. B. C., series of 1884, is hereby countermanded, to take effect from the 3d instant.

(General Orders No. 5.)

NOVEMBER 4, 1885.

I.—The portions of paragraph XL., General Orders No. 26, O. B. C., series of 1881, relating to “Water Towers,” “Insurance Patrols” and “Chief of Department and Assistants,” are hereby countermanded, and the following substituted therefor:

Water Tower No. 1.....	16 strokes and 3-1
“ 2.....	16 “ “ 3-2
“ 3.....	16 “ “ 3-3

Insurance Patrol.

One-half of Patrol No. 1.....	15 strokes and 5-1
The whole “ 1.....	15 “ “ 5-2
One-half “ 2.....	15 “ “ 5-3
The whole “ 2.....	15 “ “ 5-4
One-half “ 3.....	15 “ “ 5-5
The whole “ 3.....	15 “ “ 5-6
One-half “ 4.....	15 “ “ 5-7
The whole “ 4.....	15 “ “ 5-8
The pumping engine.....	15 “ “ 5-10
The entire force.....	15 “ “ 5-12

Chief of Department and Assistants.

Chief of Department.....	17 strokes and 5-1
Assistant Chief of Department.....	17 “ “ 5-2
2d “ “.....	17 “ “ 5-3
Chief 1st Battalion.....	17 “ “ 7-1
“ 2d “ “.....	17 “ “ 7-2
“ 3d “ “.....	17 “ “ 7-3
“ 4th “ “.....	17 “ “ 7-4
“ 5th “ “.....	17 “ “ 7-5
“ 6th “ “.....	17 “ “ 7-6
“ 7th “ “.....	17 “ “ 7-7
“ 8th “ “.....	17 “ “ 7-8
“ 9th “ “.....	17 “ “ 7-9
“ 10th “ “.....	17 “ “ 7-10
“ 11th “ “.....	17 “ “ 7-11
“ 12th “ “.....	17 “ “ 7-12

II.—Paragraphs XLIX. and I. of General Orders No. 26, O. B. C., series of 1881, are hereby countermanded, and the following substituted therefor:

XLIX.—When an increase of water is needed at a fire south of Eighty-sixth street, the commanding officer will cause the following signal to be sent: 7-7-7, followed, after an interval of four spaces, by the number of the station; when the increased pressure is no longer required, the signal 7-7-7-7-1, followed in like manner by the number of the station, will be sent.

L.—The gate-house in Central Park, and the work-shops of the Department of Public Works, located respectively at No. 5½ City Hall, No. 134 West Thirtieth street, and No. 245 East Eighty-third street, are connected with special circuit from Central Office, and gongs are located thereon upon which one round of all signals for increase or decrease of water pressure will be transmitted. Operators will also transmit the signal for increased pressure on receipt of third alarm signal from any station south of Eighty-sixth street. The gate-house is also connected with the Central Office by telephone, and upon the receipt of such signal, the person in charge of the gate-house will repeat the number of the station on the telephone key, to which the operator will respond with 2-3, if correct, or, if not, he will transmit the entire signal once upon the telephone key. If no response is received from the gate-house, he will notify the company in quarters nearest to the gate-house to send a special messenger with the signal.

A test signal (11 strokes) will be sent daily over the special circuit at 8 o'clock A. M., and if not received at that time, report will be made to the Central Office by telephone, or through the quarters of the nearest company.

III.—The substitute for Paragraph LI. of General Orders No. 26, O. B. C., series of 1881, provided by General Orders No. 3, O. B. C., series of 1884, is hereby countermanded and the following is substituted therefor:

LI.—The Automatic Signal Telegraph Company has authority to send to the Central Office of this Department three rounds of alarms for fires received under its system, which alarms are designated and will be known as class 4, and be received and transmitted as follows:

First, the number of the class (4), followed, after an interval of four spaces, by the number of the station, with an interval of two spaces between the figures, thus: 4---1-2-9. The operator will transmit two rounds of the signal upon the combination circuits, followed by two rounds upon the gong circuit. Should a signal be received from a street box simultaneously with one of this class (4), the street box signal must be transmitted first. When a signal of this class is received, if the company or companies assigned should be out of quarters, a special call will be sent for the company in quarters nearest to the station indicated, unless it is apparent that both signals are for the same fire, in which case the sending of the automatic signal may be dispensed with.

Companies will respond to alarms of this class as assigned by the Chief of Department in the book of stations, furnished through his office by the Automatic Signal Telegraph Company and dated October, 1885. All assignment books of this company previously issued will be returned to the office of the Chief of Department on the 27th instant.

IV.—Paragraph LIV. of General Orders No. 26, O. B. C., series of 1881, is hereby countermanded and the following is substituted therefor:

LIV.—The system of communicating alarms for fire from buildings direct to the Central Office of the Department, heretofore known as the Special Building Signals, is designated and will be known as class 3, and such alarms for fire will be received and transmitted, as follows:

First, the number of the class (3), followed, after an interval of four spaces, by the number of the station, with an interval of two spaces between the figures, thus: 3---1-4-5. The operator will transmit two rounds of the signal upon the combination circuit, followed by two rounds upon the gong circuit. Should a signal be received from a street box simultaneously with one of this class (3), the street box signal must be transmitted first. When a signal of this class is received, if the company or companies assigned should be out of quarters, a special call will be sent for the engine and hook and ladder company in quarters nearest to the station indicated.

Chief officers and companies will respond to alarms of this class, as assigned by the Chief of Department, in the subjoined list of stations.

The connection of all the public school buildings with the Special Building System (class 3), has been authorized, and calls for either ambulance or Police may also be transmitted therefrom.

The signals for fire and ambulance will be received and sent out in the manner prescribed. The Police call, as received, will consist of two rounds of the signal 5, followed by the class signal (3) and the number of the station, one round of which will be transmitted to the Police Department.

V.—Paragraph LVII. of General Orders No. 26, O. B. C., series of 1881, is hereby amended, as follows:

Street alarm-box numbers 2, 3 and 4 are abolished. The alarm-box at Whitehall and State streets (now No. 2), is numbered 18. The alarm-box at Broad and Water streets (now No. 3), is numbered 19. The alarm-box at Broad and South streets (now No. 4), is numbered 34. Company commanders will have the necessary changes in the numbers of the keys made on receipt of this order.

VI.—The provisions of this order will go into effect at 8 o'clock A. M. on the 25th instant.

NOVEMBER 25, 1885.

(General Orders No. 6.)

I.—Section 26, Paragraph I, General Orders No. 29, O. B. C., series of 1881, is hereby countermanded, and the following is substituted therefor:

SHIRT.

26.—For all Officers. Of white linen or muslin, with standing collar. A dark gray flannel shirt may, however, be worn at the option of each officer during the following periods: From 6 P. M. to 8 A. M., between September 30 and April 1, and from 8 P. M. to 8 A. M., between March 31 and October 1.

II.—The following section is hereby added to Paragraph I, General Orders No. 29, O. B. C., series of 1881:

GLOVES.

44.—For all Officers and Members. Of white Berlin or Lisle thread.

III.—Sections 1, 2, 3 and 5, Paragraph III, General Orders No. 29, O. B. C., series of 1881, are hereby countermanded and the following substituted therefor:

1.—On House-watch. The uniform coat, trousers, shirt (vest and cravat optional), fatigue hat or cap, badge pinned on left breast.

2.—At the 8 o'clock A. M. Roll-call. The same as when on house-watch.

3.—In Apparatus room, not on House-watch or other special duty. The uniform coat, trousers and shirt (vest and cravat optional), will always be worn, except while at work cleaning the apparatus, horses, quarters, etc., when old clothing may be worn. The purpose of this regulation is, that the officers and members of the Department may at all times, except when in the performance of necessary labor in quarters, appear in proper dress.

5.—Outside of Quarters. The fatigue hat or cap, uniform coat (overcoat in cold weather, vest and cravat optional), trousers and shirt, always in wet weather water-proof clothing, and when on Department business, the coat badge pinned on outer garment over the left breast.

IV.—The following sections are hereby added to Paragraph III, General Orders No. 29, O. B. C., series of 1881:

7.—Gloves will be worn on all parades, inspections and funerals, and during visits to quarters by Commissioners or Chief Officers, of which notice has been given, and at other times when specially ordered.

8.—The coat badges shall be worn on the left breast at the level of the second button from the top; midway between the centre of the body and the side when worn on the coat, and an inch to the left of the left row of buttons on the overcoat.

9.—The wearing of the uniform or any part thereof, by any officer or member of the Department at any place of amusement, ball, party or public assembly of any character, unless on Department business or when specially detailed there for duty, is prohibited.

V.—Paragraph VII, General Order No. 29, O. B. C., series of 1881, is hereby countermanded and the following substituted therefor:

VII.—The Assistant and Second Assistant Chiefs of Department shall inspect all uniforms and parts of uniforms before they are worn, reject all not in conformity to the provisions of this order, and brand all approved with the year of inspection, as follows: Coats, under the collar and on the inside of each coat sleeve; trousers, on the front of the waist-band; fatigue caps, on the sweat-band. The officers named shall keep a record of such inspections.

NOVEMBER 25, 1885.

(General Orders No. 7.)

The following rules for using ladders at fires will be observed:

I.—Commanding officers of Hook and Ladder companies shall have exclusive control and direction in the raising and placing of all ladders, and shall not permit their use by any one before they are in proper and safe position; they shall not be used at any time thereafter by any person not a regular or probationary member of the Department, or persons rescued, and by them only under the following restrictions:

1. The number of persons permitted on the various sized ladders simultaneously shall not exceed—

To each 10 to 15 feet ladder, one.

To each 20, 25 or 30 feet ladder, two.

To each ladder more than 30 feet, three.

2. When used for pipe-lines, the pipeman only will be permitted at the pipe, and he will fasten the line to an iron round if conveniently near, or if not, he will hitch it on two wooden rounds, in such manner as to prevent the kinking of the pipe.

3. If it be a 35-foot ladder, the second man shall take position just below the point at which the pressure bends the ladder, where the line will also be fastened, preferably to an iron round, or in lieu thereof, to two wooden rounds. With all other ladders, the second man shall take position with feet resting upon the first round above the point where the poles support the ladder, where the line shall be fastened in the manner above prescribed.

4. If a third man is required, he shall take position on the ladder near the butt.

5. While their services are not needed in shifting the line, the second and third man will not be required to maintain the prescribed position.

6. After shifting the line, the second and third man will resume the position prescribed, and fasten it as before indicated.

7. Before shifting a line from a ladder over 25 feet long, it must be cleared of water.

8. Officers and reliefs may use the ladders at any time, but must not pass the second man except at the point above designated for fastening the line.

Appropriations and Expenditures.

TITLE OF APPROPRIATION.	AMOUNT OF APPROPRIATION.	EXPENDITURES.	BALANCE.
For Salaries—			
Headquarters	\$46,575 00	\$44,070 14	\$2,504 86
Bureau Chief of Department	1,150,908 00	1,139,475 90	11,432 10
“ Inspector of Combustibles	10,000 00	9,994 74	5 26
“ Fire Marshal	7,400 00	6,731 45	668 55
“ Inspection of Buildings	73,000 00	70,649 87	2,350 13
Attorney	4,000 00	4,000 00	.....
Fire Alarm Telegraph	21,040 00	20,896 66	147 34
Repair Shops	55,000 00	54,997 40	2 60
Hospital Stables	4,850 00	4,850 00	.....
Total salaries	\$1,372,773 00	\$1,355,662 16	\$17,110 84
For Apparatus, Supplies, etc.—			
Apparatus, horses, rents, supplies, etc.	\$245,000 00	\$245,000 00	.....
New houses	90,000 00	89,991 10	\$8 90
Contingencies—Bureau Inspection of Buildings	2,392 00	2,392 00	.....
Total apparatus, etc., etc	\$337,392 00	\$337,383 10	\$8 90
Grand total	\$1,710,165 00	\$1,693,045 26	\$17,119 74

Of the expenditures the following amounts were under contracts awarded upon proposals advertised for as provided by law:

Apparatus, Supplies, etc.—

For forage	\$32,851 00
For fuel	17,350 00
For new boilers and repairs to fire-engines	2,600 00
For new fire-engines	7,600 00
For new water-tower	4,000 00
For new hose	18,500 00
Total	\$82,901 00
For new houses	\$4,217 00

Grand total

Amount of Bills and Pay-rolls Audited.

Bills for 1883	\$188 00
Bills for 1884	93,675 32
Bills for 1885	253,931 69

Total bills	\$347,795 01
Pay-rolls for 1885	1,355,662 16

Total bills and pay-rolls

Sale of Condemned Horses at Auction.

Horses	\$301 50
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(For remainder of proceeds of sales, see statement of Relief Fund.)

Changes in and Present Organization of the Uniformed Force.

Engine Company No. 53, to consist of one Foreman, one Assistant Foreman, one Engineer of Steamer, one Assistant Engineer of Steamer and eight Firemen, was organized January 14, located in the new quarters on One Hundred and Fourth street, between Lexington and Third avenues, and assigned to the Eleventh Battalion. It was equipped with one steam fire-engine (formerly spare engine of the Tenth Battalion), drawn by two horses, and one four-wheel tender to be drawn by two horses.

The company was immediately assigned to duty.

Company Organization, Complement of Officers and Men, Kind and Number of Apparatus, Number of Horses, Number of Alarms Responded to, etc.

COMPANY.	No. of Officers and Men.	APPARATUS AND HORSES.							Total No. of Horses.	No. of Alarms Responded to.	No. of Fires Performed Duty at.
		No. of Steam Fire-engines.	No. of Horses.	No. of Four-wheel Tenders.	No. of Horses.	No. of Two-wheel Tenders.	No. of Horses.	No. of Hook and Ladder Trucks.			
Engine 1	12	1	2	1	2	..	..	..	4	177	46
“ 2	12	1	2	..	..	1	1	..	3	92	28
“ 3	12	1	2	1	2	..	..	..	4	106	28
“ 4	12	1	2	..	..	1	1	..	3	125	58
“ 5	*18	2	4	..	..	2	2	..	6	139	40
“ 6	12	1	2	..	..	1	1	..	3	103	41
“ 7	16	1	2	..	..	1	1	†1	5	202	77
“ 8	12	1	2	1	2	..	..	..	4	195	49
“ 9	12	1	2	..	..	1	1	..	3	227	83
“ 10	12	1	2	1	2	..	..	..	4	61	37
“ 11	12	1	2	1	2	..	..	..	4	184	60
“ 12	*18	2	4	..	..	2	2	..	6	183	78
“ 13	*18	2	4	..	..	2	2	..	6	224	76
“ 14	12	1	2	1	2	..	..	..	4	165	56
“ 15	12	1	2	..	..	1	1	..	3	212	56
“ 16	*18	2	4	..	..	2	2	..	6	158	35
“ 17	12	1	2	..	..	1	1	..	3	194	83
“ 18	*18	2	4	1	2	1	1	..	7	137	50
“ 19	12	1	2	..	..	1	1	..	3	123	38
“ 20	12	1	2	..	..	1	1	..	3	215	82
“ 21	12	1	2	1	2	..	..	..	4	156	38
“ 22	12	1	2	..	..	1	1	..	3	107	27
“ 23	12	1	2	1	2	..	..	..	4	124	24
“ 24	12	1	2	1	2	..	..	..	4	130	58
“ 25	12	1	2	..	..	1	1	..	3	166	39
“ 26	*18	2	4	1	2	1	1	..	7	155	50
“ 27	*18	2	4	1	2	1	1	..	7	167	82
“ 28	12	1	2	..	..	1	1	..	3	99	30
“ 29	12	1	2	..	..	1	1	..	3	139	65
“ 30	12	1	2	1	2	..	..	..	4	156	56
“ 31	*18	2	4	..	..	2	2	..	6	201	85
“ 32	12	1	2	..	..	1	1	..	3	99	65
“ 33	*18	2	4	..	..	2	2	..	6	184	75
“ 34	12	1	12	..	..	1	1	..	3	134	42
“ 35	12	1	2	..	..	1	1	..	3	104	26
“ 36	12	1	2	1	2	..	..	..	4	90	21
“ 37	114	1	2	1	2	..	..	..	4	37	9
“ 38	12	1	2	1	1	..	..	..	2	5	24
“ 39	12	1	2	..	..	1	1	1	2	5	153
“ 40	8	1	2	..	..	1	1	..	3	61	16
“ 41	8	1	2	..	..	1	1	..	3	22	12
“ 42	8	1	2	1	2	..	..	..	4	19	2
“ 43	\$10	..	..	..	..	..	..	..	..	107	10
“ 44	12	1	2	1	2	..	..	..	4	129	34
“ 45	8	1	2	1	2	..	..	..	4	6	..
“ 46	8	1	2	1	2	..	..	..	4	18	5
“ 47	12	1	2	1	2	..	..	1	2	6	56
“ 48	12	1	2	1	2	..	..	1	2	6	28
“ 49	10	1	2	..	..	1	1	1	2	5	1
“ 50	12	1	2	1	2	..	..	1	2	6	33
“ 51	\$11	..	..	..	..	..	..	..	..	87	11
“ 52	12	1	2	1	2	..	..	†1	2	6	15
“ 53	12	1	2	1	2	..	..	..	4	88	15
“ 54	12	1	2	..	..	1	1	..	3	131	17
Hook and Ladder 1	12	..	..	..	..	..	..	1	2	2	255
“ 2	12	..	..	..	..	..	..	1	2	2	336
“ 3	16	..	..	..	..	†1	2	1	2	4	262

* Double Companies.

† Water Tower in connection with company apparatus.

‡ Training Stable in connection with company.

§ Floating Engines.

|| Apparatus not the property of the Department.

COMPANY.	No. of Officers and Men.	APPARATUS AND HORSES.								Total No. of Horses.	No. of Alarms Responded to.	No. of Fires Performed Duty at.	PRESENT GRADE.	NAME.	ORIGINAL APPOINTMENT.		PROMOTION.		
		No. of Steam Fire-engines.	No. of Horses.	No. of Four-wheeled Tenders.	No. of Horses.	No. of Two-wheeled Tenders.	No. of Horses.	No. of Hook and Ladder Trucks.	No. of Horses.						Age.	Grade.	Date.	Grades.	Dates.
Hook and Ladder 4.....	12	..	..	..	..	..	..	1	2	2	268	155	11. Foreman	Kehoe, John H.....	23	Fireman	Oct. 20, 1865	{ Assistant Foreman. June 15, 1869 Foreman	Dec. 1, 1869
" 5.....	*18	..	..	..	..	..	..	2	4	4	220	121	12. "	McLaughlin, William	29	"	May 22, 1868	{ Assistant Foreman. June 1, 1869 Foreman	Mar. 1, 1870
" 6.....	12	..	..	..	..	..	..	1	2	2	306	223	13. "	Erb, George W.....	23	"	Oct. 11, 1865	{ Assistant Foreman. Feb. 1, 1869 Foreman	July 25, 1870
" 7.....	13	..	..	..	..	..	..	1	2	2	243	108	14. "	Hayes, William F...	27	{* Fireman	July 31, 1865	.....	.....
" 8.....	12	..	..	..	..	..	..	1	2	2	297	131		Fireman.....		{ Assistant Foreman. Oct. 1, 1869 Foreman	Oct. 15, 1870		
" 9.....	*19	..	..	..	..	..	..	2	4	4	347	201	15. "	Landers, William H.	41	Fireman	Sept. 29, 1865	{ Assistant Foreman. Nov. 17, 1869 Foreman	Dec. 24, 1870
" 10.....	12	..	..	..	..	..	..	1	2	2	198	141	16. "	Wo'ff, Charles A....	33	"	Mar. 21, 1866	{ Assistant Foreman. Aug. 1, 1870 Foreman	July 1, 1871
" 11.....	12	..	..	..	..	..	..	1	2	2	209	135	17. "	Meagher, Daniel J...	23	"	Oct. 6, 1865	{ Assistant Foreman. Dec. 24, 1870 Foreman	Nov. 1, 1871
" 12.....	12	..	..	..	..	..	..	1	2	2	278	142	18. "	Kelly, Charles L....	24	"	Sept. 27, 1865	{ Assistant Foreman. Mar. 1, 1870 Foreman	Jan. 1, 1872
" 13.....	13	..	..	..	..	..	..	1	2	2	179	79	19. "	Vetter, Peter, Jr....	26	"	Oct. 27, 1865	{ Assistant Foreman. June 1, 1868 Foreman	May 1, 1872
" 14.....	12	..	..	..	..	..	..	1	2	2	117	66	20. "	Cowie, John A	30	Assistant Foreman	Sept. 14, 1865	Foreman	Mar. 1, 1873
" 15.....	12	..	..	..	..	..	..	1	2	2	98	62	21. "	Jones, Henry M.....	27	"	Sept. 27, 1865	"	Mar. 1, 1873
" 17.....	10	..	..	..	..	..	..	1	2	2	60	23	22. "	Ward, John.....	26	Fireman	Sept. 25 1865	{ Assistant Foremen. Jan. 1, 1870 Foreman	Mar. 1, 1873
" 19.....	8	..	..	..	..	1	1	1	2	3	15	13	23. "	Sattler, John.....	29	"	Oct. 20, 1865	{ Assistant Foreman. July 1, 1871 Foreman	Mar. 1, 1873
Total	900	61	122	25	49	38	39	27	54	264	....	....					

* Double Companies.

Average number of alarms responded to, 145.
Average number of fires performed duty at, 60.

The above companies are organized into twelve battalions, each consisting of from four to nine companies, commanded by a Chief of Battalion; the Assistant Chief of Department commanding the First, Second, Third, Fourth, Fifth and Sixth Battalions, and the Second Assistant Chief of Department commanding the Seventh, Eighth, Ninth, Tenth, Eleventh and Twelfth Battalions; the entire force being under the command of the Chief of Department.

Register of Officers of the Uniformed Force on December 31.

PRESENT GRADE.	NAME.	ORIGINAL APPOINTMENT.		PROMOTION.		
		Age.	Grade.	Date.	Grades.	Dates.
1. Chief of De- partment..	Shay, Charles O....	30	Foreman.....	Sept. 25, 1865	{ District Engineer.. Assistant Chief of Department	June 1, 1869 May 19, 1873 May 1, 1884
2. Ass't Chief of Department }	Bonner, Hugh.....	27	"	Sept. 18, 1865	{ Chief of Battalion.. 2d Assistant Chief of Department	May 21, 1873 Jan. 4, 1883 May 1, 1884
3. 2d Ass't Chief of Department.....	McCabe, John.....	26	{ * Fireman	Sept. 26, 1866	{ Assistant Foreman.. Foreman	Dec. 1, 1873 July 1, 1874
			{ Fireman.....	July 1, 1873	{ Chief of Battalion.. 2d Assistant Chief of Department	May 16, 1881 May 1, 1884
4. Chief of Bat- talion.....	Gicquel, Benjamin A.	24	Fireman	Oct. 16, 1865	{ Assistant Foreman.. Foreman	Jan. 22, 1866 June 1, 1866
					{ District Engineer.. Chief of Battalion.. Chief of Battalion..	July 1, 1871 May 21, 1873
5. Chief of Bat- talion.....	Rowe, William.....	24	Foreman.....	Oct. 20, 1865	Chief of Battalion ..	May 21, 1873
6. Chief of Bat- talion.....	Fisher, John S.....	34	Fireman	Feb. 9, 1868	{ Assistant Foreman.. Foreman	June 1, 1868 July 15, 1869
					{ Chief of Battalion.. Chief of Battalion..	May 21, 1873
7. Chief of Bat- talion.....	Campbell, Samuel.....	25	"	Oct. 16, 1865	{ Assistant Foreman.. Foreman	Aug. 1, 1869 Feb. 1, 1873
					{ Chief of Battalion.. Chief of Battalion..	Sept. 23, 1875
8. Chief of Bat- talion.....	Reilly, Francis J.....	22	"	Sept. 27, 1865	{ Assistant Foreman.. Foreman	Oct. 15, 1870 July 1, 1871
					{ Assistant Foreman.. Foreman	May 1, 1872 June 6, 1872
					{ Chief of Battalion.. Chief of Battalion..	Feb. 1, 1880
9. Chief of Bat- talion.....	Bresnan, John J.....	22	"	Dec. 1, 1865	{ Assistant Engineer.. Assistant Foreman.. Foreman	Mar. 16, 1871 July 1, 1871 Mar. 1, 1873
					{ Chief of Battalion.. Chief of Battalion..	Feb. 1, 1880
10. Chief of Bat- talion.....	Reeves, Michael F.....	27	"	Apr. 20, 1867	{ Assistant Foreman.. Foreman	Oct. 15, 1870 Aug. 1, 1871
					{ Chief of Battalion.. Chief of Battalion..	Nov. 1, 1881
11. Chief of Bat- talion.....	Mahedy, Francis.....	29	"	July 3, 1872	{ Assistant Foreman.. Foreman	Mar. 1, 1873 Feb. 1, 1877
					{ Chief of Battalion.. Chief of Battalion..	Nov. 1, 1881
12. Chief of Bat- talion.....	Gooderson, Thomas.....	22	"	Feb. 1, 1874	{ Assistant Foreman.. Foreman	Dec. 21, 1874 Apr. 20, 1875
					{ Chief of Battalion.. Chief of Battalion..	Jan. 15, 1883
13. Chief of Bat- talion.....	Lally, Thomas.....	22	"	Aug. 15, 1870	{ Assistant Foreman.. Foreman	Apr. 21, 1873 Nov. 1, 1881
					{ Chief of Battalion.. Chief of Battalion..	May 1, 1884
14. Chief of Bat- talion.....	Purroy, Charles D.....	24	Private	Jan. 22, 1880	{ Fireman	Apr. 1, 1880
					{ Assistant Foreman.. Foreman	Apr. 5, 1881 Dec. 31, 1882
					{ Chief of Battalion.. Chief of Battalion..	May 1, 1884
15. Chief of Bat- talion.....	McGill, Joseph F.....	23	Fireman	Mar. 21, 1866	{ Assistant Foreman.. Foreman	Apr. 1, 1870 Oct. 1, 1872
					{ Chief of Battalion.. Chief of Battalion..	Aug. 12, 1884
1. Foreman	Poynton, Joseph.....	26	Foreman.....	Sept. 8, 1865	.....	.....
2. "	Spence, Arnot.....	31	"	Oct. 20, 1865	.....	.....
3. "	Walton, James.....	31	"	Dec. 1, 1865	.....	.....
4. "	McNeill, Alexander.....	29	Assistant Foreman	Oct. 16, 1865	Foreman	June 1, 1868
5. "	Williams, Robert.....	40	Fireman	Dec. 1, 1865	{ Assistant Foreman.. Foreman	June 1, 1868 Dec. 15, 1868
6. "	Donohue, Patrick.....	26	"	Sept. 27, 1865	{ Assistant Foreman.. Foreman	June 1, 1868 Feb. 1, 1869
7. "	Best, Samuel.....	32	"	June 14, 1866	{ Assistant Foreman.. Foreman	Apr. 17, 1867 Mar. 1, 1869
8. "	Shaw, William.....	27	Assistant Foreman	Oct. 4, 1865	Foreman	May 1, 1869
9. "	McCormick, James A.....	27	Fireman	Oct. 6, 1865	{ Assistant Foreman.. Foreman	June 23, 1868 June 15, 1869
10. "	Castles, John.....	27	"	July 27, 1866	{ Assistant Foreman.. Foreman	Apr. 1, 1869 July 15, 1869
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* Resigned, January 15, 1866.						
Resigned, October 16, 1871.						

* Resigned, January 15, 1866.

† Reduced to Foreman, February 15, 1875.

‡ Resigned, May 21, 1872.

§ Resigned, May 21, 1872.

|| Resigned, October 16, 1871.

** Resigned, June 1, 1872.

†† Resigned, March 31, 1869.

* Resigned, November 12, 1867.

† Reduced to Fireman, April 1, 1872.

PRESENT GRADE.	NAME.	ORIGINAL APPOINTMENT.		PROMOTION.		PRESENT GRADE.	NAME.	Age.	ORIGINAL APPOINTMENT.		PROMOTION.	
		Grade.	Date.	Grades.	Dates.				Grade.	Date.	Grades.	Dates.
58. Foreman	{ Goodson, Fred- erick W., Jr. }	23 Private	Oct. 13, 1879	{ Assistant Engineer of Steamer	Apr. 1, 1880 May 23, 1883 Foreman	37. Ass't Foreman.	Kelly, Thomas.....	28	* Fireman	Sept. 18, 1865 June 15, 1867	Assistant Foreman.	Nov. 25, 1881
59. "	McCutchen, James.	31 Fireman	Sept. 18, 1865	{ Assistant Foreman. Foreman	Mar. 1, 1869 May 20, 1884	38. "	Hyde, David.....	27	"	July 15, 1873	"	Mar. 22, 1882
60. "	Hart, Michael.....	28 "	Oct. 20, 1865	{ Assistant Foreman. Foreman	July 1, 1871 May 20, 1884	39. "	Farley, Thomas.....	25	† Fireman	May 15, 1868 Sept. 1, 1869	Assistant Foreman.	Apr. 10, 1882
61. "	Connolly, Patrick J.	28 "	Jan. 15, 1873	{ Assistant Foreman. Foreman	Nov. 16, 1881 May 20, 1884	40. "	Murphy, John.....	24	"	Oct. 17, 1870	"	Aug. 7, 1882
62. "	McCabe, Hugh D.	25 Private	Feb. 9, 1882	{ Assistant Foreman. Foreman	July 22, 1883 May 20, 1884	41. "	Aiken, Alexander D.	24	"	July 19, 1871	"	Dec. 1, 1882
63. "	Shea, Joseph.....	29 Foreman	May 20, 1884	"	"	42. "	McAvoy, Michael...	25	"	Dec. 1, 1865	"	Dec. 31, 1882
64. "	Cosgrove, James....	21 Private	Jan. 1, 1878	{ Assistant Engineer of Steamer	Mar. 21, 1880 July 1, 1881 Foreman	43. "	Barber, John.....	26	"	Nov. 3, 1870	"	Feb. 1, 1883
65. "	Falvey, John.....	21 { Fireman	Mar. 11, 1871	* Assistant Foreman.	Feb. 15, 1872	44. "	White, John H.....	30	"	Jan. 2, 1875	"	Feb. 1, 1883
66. "	McDonald, Alex....	28 { Fireman	July 31, 1865	Assistant Foreman.	Nov. 1, 1881	45. "	Daniels, Clement L.	25	"	Oct. 11, 1873	"	Mar. 4, 1883
67. "	Scannell, Edward A.	24 Private	Apr. 7, 1881	{ Assistant Foreman. Foreman	Jan. 7, 1884 Aug. 7, 1884	46. "	Ryan, Ed. F.....	22	"	July 3, 1872	"	Mar. 6, 1883
68. "	Binns, John.....	25 "	Mar. 22, 1882	{ Assistant Foreman. Foreman	May 20, 1884 Aug. 16, 1884	47. "	Murphy, Lawrence.	24	"	June 12, 1871	"	May 17, 1883
69. "	Golden, John J.....	27 Fireman	Dec. 18, 1874	{ Assistant Foreman. Foreman	Feb. 1, 1883 Aug. 22, 1884	48. "	Kennedy, Mathias T.	28	Private	Dec. 21, 1877	{ Assistant Engineer of Steamer	Nov. 21, 1878
70. "	Barry, James.....	24 { Hoseman	Jan. 20, 1874	Assistant Foreman.	Nov. 1, 1881	49. "	Margison, Charles..	27	"	Jan. 22, 1877	Assistant Foreman.	May 23, 1883
71. "	Sullivan, Thomas...	26 { Dist. Engineer. Foreman	Sept. 6, 1865 Aug. 23, 1884	"	"	50. "	Jones, William H....	29	Private	Sept. 25, 1875	{ Assistant Engineer of Steamer	May 1, 1879
72. "	Kenny, Thomas A...	29 Fireman	Aug. 4, 1876	{ Assistant Foreman. Foreman	Aug. 16, 1884 Feb. 1, 1885	51. "	Needham, John T....	27	Private	Jan. 1, 1881	Assistant Foreman.	May 23, 1883
73. "	Lawler, Daniel.....	24 "	May 1, 1875	{ Assistant Foreman. Foreman	July 10, 1879 Feb. 1, 1885	52. "	Murphy, John McL..	23	"	Nov. 21, 1881	"	May 23, 1883
74. "	Callaghan, Daniel H.	26 "	Mar. 1, 1873	{ Assistant Foreman. Foreman	July 10, 1879 June 25, 1885	53. "	O'Hearn, Thomas...	29	Fireman	June 12, 1875	"	July 1, 1883
75. "	Cook, Martin.....	23 Hoseman	Jan. 1, 1870	{ Assistant Engineer of Steamer	July 24, 1871 Jan. 13, 1874	54. "	Hopper, Charles....	25	† Fireman	Mar. 2, 1870	Assistant Foreman.	Aug. 1, 1883
76. "	Teal, Henry.....	21 Fireman	Aug. 1, 1871	{ Assistant Foreman. Foreman	Sept. 22, 1880 Nov. 15, 1885	55. "	Meehan, Edward....	24	"	July 23, 1873	"	Aug. 13, 1883
77. "	Cooney, John J.....	29 Private, 3d Grade.	Sept. 1, 1882	{ Assistant Engineer of Steamer	June 6, 1884 July 1, 1884	56. "	Beekler, Jacob.....	24	"	Mar. 15, 1871	"	Nov. 1, 1883
1. Ass't Foreman.	Schuck, Henry.....	33 Fireman	Sept. 2, 1865	Assistant Foreman.	Nov. 22, 1865	57. "	Autenreith, Chas. J.	25	Private	Feb. 12, 1881	{ Assistant Engineer of Steamer	Dec. 17, 1881
2. "	Smith, Edward S....	23 "	Sept. 11, 1865	"	Dec. 15, 1868	58. "	Hearn, John.....	24	Fireman	Sept. 11, 1865	Assistant Foreman.	May 20, 1884
3. "	Heany, James.....	25 "	Oct. 20, 1865	"	Dec. 15, 1868	59. "	Head, Thomas.....	26	"	July 15, 1869	"	May 20, 1884
4. "	Hicks, Matthew.....	21 "	Aug. 12, 1868	"	Oct. 15, 1870	60. "	Touhey, Martin J....	23	"	Mar. 15, 1872	"	May 20, 1884
5. "	Riordan, John.....	21 "	Sept. 20, 1866	"	Nov. 1, 1871	61. "	Frazer, William D...	24	"	July 3, 1872	"	May 20, 1884
6. "	Lynar, Andrew.....	28 "	Jan. 23, 1868	"	Feb. 15, 1872	62. "	Donohue, Malachi...	24	"	June 10, 1870	"	Oct. 17, 1872
7. "	Brennan, Terrence P.	25 "	Oct. 6, 1865	"	July 1, 1872	63. "	Gaffney, Andrew....	27	"	Dec. 1, 1873	"	May 20, 1884
8. "	McNamee, Charles...	28 "	July 1, 1869	"	Mar. 1, 1873	64. "	Feris, William R....	27	"	Sept. 7, 1874	"	May 20, 1884
9. "	Jones, Walter H.....	25 "	Oct. 21, 1870	"	Mar. 1, 1873	65. "	Reed, Samuel.....	25	"	Sept. 1, 1875	"	May 20, 1884
10. "	Conaghan, Patrick...	23 "	Oct. 20, 1865	"	Apr. 21, 1873	66. "	Quirk, William.....	27	Private	May 19, 1881	"	May 20, 1884
11. "	Braisted, William C.	25 "	July 3, 1872	"	Aug. 16, 1873	67. "	Hennessey, William.	30	† Fireman	Dec. 21, 1874	Assistant Foreman.	May 20, 1884
12. "	Campbell, James A.	27 "	Sept. 29, 1865	"	Aug. 15, 1873	68. "	Leonard, John H....	32	"	Feb. 1, 1877	{ Fireman	Apr. 13, 1877
13. "	Moore, Edward S....	31 "	Oct. 16, 1865	** Assistant Foreman.	Dec. 1, 1865	69. "	O'Grady, Joseph....	27	"	Nov. 24, 1877	{ Assistant Engineer of Steamer	Oct. 20, 1880
14. "	Louis, Albert F.....	24 "	Sept. 14, 1865	{ Assistant Engineer of Steamer	Apr. 1, 1871	70. "	Crocker, Edward F...	21	"	June 22, 1884	Assistant Foreman.	Aug. 16, 1884
15. "	Burnett, Henry.....	33 "	Sept. 22, 1865	Assistant Foreman.	Jan. 15, 1874	71. "	Reilly, Bernard J....	27	Fireman	May 1, 1875	"	Aug. 21, 1884
16. "	Siegmann, Louis L...	24 "	Feb. 8, 1871	"	Jan. 15, 1874	72. "	Reilly, Michael A....	25	Private	Apr. 4, 1881	"	Aug. 21, 1884
17. "	Cartright, Stephen...	27 "	Aug. 1, 1871	"	May 13, 1874	73. "	McNamara, Mich'l J.	25	Fireman	Apr. 21, 1873	"	Aug. 27, 1884
18. "	Fleck, William F....	27 Ass't Foreman...	Sept. 8, 1865	† Fireman	Oct. 15, 1870	74. "	Kinsella, Henry....	27	Private	Feb. 3, 1883	"	Aug. 27, 1884
19. "	Neubauer, Michael.	24 Fireman	Oct. 1, 1872	Assistant Foreman.	Oct. 19, 1874	75. "	McNamara, John J...	26	Fireman	Dec. 7, 1877	{ Assistant Engineer of Steamer	Apr. 11, 1880
20. "	Carey, Francis.....	25 "	June 4, 1868	"	Dec. 21, 1874	76. "	Petersen, Adolph J...	25	"	Oct. 25, 1873	Assistant Foreman.	July 1, 1885
21. "	Wright, Augustus H.	29 "	May 5, 1875	"	May 1, 1876	77. "	Tobin, Edward H....	22	"	May 4, 1875	"	July 1, 1885
22. "	Kruger, Chas. W., Jr.	22 { Ass't Engineer of Steamer	July 3, 1872	"	Sept. 27, 1877	78. "	Beshinger, Joseph...	23	Private	May 10, 1880	"	July 1, 1885
23. "	Kenehan, Richard F.	30 Fireman	July 1, 1875	"	Apr. 3, 1878	79. "	Banta, Samuel.....	28	"	Jan. 22, 1883	"	July 1, 1885
24. "	Finn, John.....	29 "	Sept. 26, 1866	"	Aug. 21, 1878	80. "	Nugent, James M....	24	"	Jan. 4, 1884	"	July 1, 1885
25. "	McCarthy, Patrick...	25 "	June 15, 1872	"	Apr. 27, 1879	81. "	Gormley, Patrick....	28	"	May 15, 1884	"	July 1, 1885
26. "	Pesoa, Oscar A.....	30 "	Sept. 14, 1865	{ Assistant Foreman. Assistant Foreman.	Jan. 7, 1876 June 21, 1879	82. "	Ryan, Patrick F.....	28	** Engineer of Steamer	Nov. 1, 1871	"	"
27. "	O'Rourke, Owen....	26 §§ Fireman	Sept. 22, 1865	"	June 10, 1879	83. "	Delaney, James.....	23	Fireman	Aug. 1, 1869	{ Assistant Engineer of Steamer	Mar. 16, 1871
28. "	Browning, William...	21 "	Apr. 23, 1869	{ Assistant Engineer of Steamer	June 1, 1871	84. "	Honan, John S.....	25	Private	May 8, 1883	Assistant Foreman.	Nov. 15, 1885
29. "	O'Reilly, Patrick H.	23 Fireman	Aug. 21, 1875	Assistant Foreman.	July 20, 1880							
30. "	Kerrigan, Francis...	29 "	May 1, 1875	"	Sept. 16, 1880							
31. "	Case, Wright, Jr....	25 "	May 1, 1875	"	Nov. 12, 1880							
32. "	Ahearn, Thomas J...	23 "	May 9, 1873	"	Apr. 1, 1881							
33. "	McCarthy, John.....	29 "	Sept. 15, 1871	"	June 9, 1881							
34. "	Tully, Edward G....	29 Private	May 13, 1880	"	July 1, 1881							
35. "	Moss, Joseph.....	28 Fireman	Dec. 1, 1871	"	Nov. 1, 1881							
36. "	Gerity, James J....	24 "	Feb. 1, 1874	"	Nov. 1, 1881							

* Resigned, September 29, 1865.

† Dismissed, August 10, 1869.

‡ Resigned, August 1, 1871.

§ Dismissed, November 23, 1873.

|| Dismissed, October 19, 1876.

** Resigned November 3, 1873.

Year of Entry into the Uniformed Force of Officers and Members in Active Service on December 31.

APPOINTED IN—	OFFICERS.		ENGINEERS AND ASSISTANT ENGINEERS.		FIREMEN AND PRIVATES.		TOTAL.
	1865	1866	1867	1868	1869	1870	
1865	52	16	44	112			
1866	12	5	17	34			
1867	1	2	3	6			
1868	8	6	12	26			
1869	7	6	16	29			
1870	5	2	18	25			
1871	12	2	11	25			
1872	9	4	24	37			
1873	15	8	53	76			
1874	8	8	44	60			

* Dismissed, June 19, 1874.

† Resigned, June 8, 1872.

‡ Resigned, July 1, 1875.

§ Dropped, May 21, 1873.

|| Reduced to Assistant Foreman, December 2, 1875.

** Reduced to ranks, May 9, 1866.

†† Reduced to Assistant Foreman, June 24, 1874.

‡‡ Reduced to Fireman, March 1, 1877.

§§ Discharged while detailed as carpenter, January 1, 1875.

¶ Resigned, September 16, 1872.

Extent of Damage by Fire for the Years 1881-1885.

Aggregate number of fires in buildings, 80,516, of which number 250, or 2½ per cent., extended from the buildings in which the fire originated to others, and 220 buildings, or two per cent. (including buildings to which the fire extended) were destroyed.

NOTABLE FIRES.

January 24.—Steamboat "St. John" of the People's Line, New York and Albany, lying at Pier 41, North river, near the foot of Canal street, 417 feet long, 81 feet beam and 9½ feet depth of hold. The cause could not be definitely ascertained, but was probably carelessness of workman engaged in repairing. Originated in or near water-closets on port side of saloon deck, amidships. The first alarm was received at 2.15 A. M., and required the services of thirteen engine companies (including both floating engines) and five hook and ladder companies to extinguish it. Two of the engine companies were delayed by frozen hydrants. The vessel was considerably damaged, and the fire was under control in an hour. Loss, \$200,000.

February 4.—Nos. 51 and 53 Barclay street, five-story, 50 by 200 feet, brick with marble front, situated on the northeast corner of Barclay street and College place, and extending through to Park place, and occupied as a lithographic establishment. The fire was caused by carelessness of employee using benzine, which ignited, and setting fire to his clothing burned him severely. It originated on the third floor and extended to the fourth and fifth floors, considerably damaging the building. The fire-alarm was received at 6.35 P. M., seventeen engines with two water-towers and four hook and ladder companies were at work, and the fire was under control in three hours. Fireman James P. Smith, of Engine Company No. 17, fell from a ladder to sidewalk and was instantly killed. Loss, \$124,650.

February 5.—Nos. 108 to 114 Wooster street, six-story, 100 by 90 feet, brick with iron front. The fire originated in the cellar, which was occupied as a chemical manufactory, the basement of No. 108 being in flames when the fire was discovered. The cause could not be ascertained. The first alarm was received at 12.14 A. M., and the services of seventeen engine and four hook and ladder companies were required. The fire was under control in three hours. The building was destroyed, and by the falling of its walls the four-story brick building No. 116 Wooster street (adjoining on the north) was considerably damaged, and the one-story frame building No. 113 Wooster street (opposite) was slightly damaged. Loss, \$271,550.

February 20.—Nos. 324 to 332 West Thirty-seventh street, eight-story, brick, 125 by 60 feet, occupied as a safe manufactory, and connected by passageways on the upper floors with a rear building used as a stable, etc. Neither the cause or place of origin could be definitely ascertained, although a watchman was in the building at the time, who was, however, himself notified by a neighbor that the building was on fire. The first alarm (sent by special building signal, with which system the premises were connected) was received at 2.28 A. M. The services of sixteen engine, one water-tower and five hook and ladder companies were required, and the fire was under control in three hours. The main building was destroyed, and the fire extended to the rear building, which was considerably damaged; to the one-story frame dwelling No. 322 West Thirty-seventh street, which was also considerably damaged, and to the two five-story brick tenements Nos. 320 and 334 West Thirty-seventh street, respectively 25 by 60 and 25 by 80 feet, which were slightly damaged. Loss, \$142,000.

February 21.—Nos. 16 and 18 South William street, four-story brick building, 40 by 85 feet, occupied as a restaurant and dwelling. The cause of the fire was floor-beams igniting from defective grate on the first floor. The first alarm was received at 11.09 P. M., and the fire, requiring the services of eleven engine companies, one water-tower and four hook and ladder companies, was under control in one hour. Police Officer James Murray, with his family, consisting of his wife and three children, were suffocated before the arrival of the Department. Three other occupants were rescued by members of the Department by the use of scaling ladders, one of them having been severely burned. Fireman Lyons, of Engine Company No. 10, while upon a scaling ladder was overcome by heat and fell from the third story, sustaining severe injuries. One of the companies was delayed by a frozen hydrant. Loss, \$20,200.

March 27.—Nos. 66 and 68 Duane street, six-story brick building, 30 by 100 feet, occupied as a blank book manufactory, etc. The fire was probably caused by spontaneous combustion of oily rags on the third floor, and extended to the roof, considerably damaging the building. The first alarm was received at 12.11 A. M., and the services of eleven engine companies, one water-tower and four hook and ladder companies were required during the fire, which was under control in one hour and a quarter. Loss, \$70,000.

March 29.—Nos. 32 to 36 Bleecker street, five and six story brick building, 75 by 100 feet, situated on the southwest corner of Bleecker and Mott streets, and occupied as a lithographing establishment. The fire was caused by spontaneous combustion of oily rubbish carelessly thrown into the waste-paper room in the basement. From thirteen to fifteen minutes of the most valuable time was lost by the vain efforts of the watchman to extinguish the fire before sending the alarm. The first alarm was received at 6.25 P. M., and the fire, which required the services of sixteen engine and four hook and ladder companies and one water-tower (which was slightly damaged by falling bricks, etc.), was under control in three hours. The fire extended to the roof throughout the western part of the building, and to the two upper floors in the remaining part. The building was considerably damaged. Loss, \$150,000.

April 14.—Nos. 513 and 515 West Forty-second street, three-story, 25 by 75 feet, brick, occupied as a piano manufactory. The fire was caused by sparks from a stove, originated on the first floor and extended to the third floor, damaging the building considerably. The first alarm was received at 1.05 A. M. and at 1.06 and 1.09 A. M., respectively, second and third alarms were sent out. The services of ten engine and four hook and ladder companies were required to extinguish the fire, which was under control in thirty-five minutes. While the firemen were at work in the building, the second floor suddenly gave way and precipitated them into the cellar, severely injuring several officers and men. Loss, \$14,378.

April 28.—Nos. 59 to 65 Franklin street, six-story, brick, 100 by 100 feet (connecting with No. 358 Broadway, five-story, brown-stone front), occupied as a cloak and dress manufactory. The fire was caused by a gas-light igniting goods, and originated on the second floor near the front, to which floor it was confined, slightly damaging the building, but causing considerable damage to the stock. The first alarm was received at 6.20 P. M., and at 6.29 P. M. a second alarm was sent, but the services of the additional companies thus called were, with one exception, not required, the companies responding to the first alarm, consisting of three engine and two hook and ladder companies, being sufficient to extinguish the fire, which was under control in ten minutes. Loss, \$92,000.

May 3.—No. 672 First avenue, five-story, brick, 25 by 80 feet, occupied as a restaurant on the first floor and the upper part as a tenement, with four families on each floor. The cause of the fire, which originated on the first floor, could not be definitely ascertained, and it extended up the stairway to the roof, only slightly damaging the building. The first alarm (which there was undoubtedly considerable delay in sending) was received at 12.26 A. M., and on the arrival of the first detachment, finding the fire extending up the stairway and burning the wooden floors of the rear fire-escapes, and that there was danger of loss of life, the commanding officer at once (at 12.31 A. M.) sent out a third alarm. The building being an isolated one and densely charged with heat and smoke, prompt action was necessary in rescuing the imperiled inmates, the members of the Life Saving Corps using the scaling ladders, while ordinary ladders were also raised to the upper floors, and all the occupants (with the exception of those who were already overcome by heat and smoke) were taken from the building. Eight lives had, however, been lost before the arrival of the firemen, by suffocation or in the effort to save themselves by jumping from the windows, while twelve persons were saved after being rendered helpless by the smoke. Many individual cases of meritorious service at this fire were reported and recorded on the Roll of Merit. The loss to property was only \$4,875.

May 27.—Nos. 320 to 334 Delancey street, five-story, brick, 150 by 200 feet, occupied as a furniture manufactory. The cause of the fire, which originated on the first floor, was not ascertained, and owing to the inflammable nature of the contents and the fact that the floors were saturated with oil (the building having been formerly used as a machine shop), it spread with great fierceness and rapidity. There was also, unquestionably, considerable delay in giving the alarm, for when the companies arrived in response to the first alarm (which was received at 3.35 A. M.), the fire had complete control of the building. At 3.40 A. M. the third alarm was sent, followed by special calls for four additional engine companies. The fire extended to and considerably damaged the four-story, brick building, 25 by 60 feet, Nos. 47 and 49 Mangin street, occupied as a tenement, and also extended to and slightly damaged the two-story frame building, 200 by 200 feet, No. 43 Tompkins street, occupied as a storage place for lumber. The services of seventeen engine companies, including both of the floating engines, and four hook and ladder companies were required in extinguishing the fire, which was under control in two hours. The loss was \$190,250.

June 21.—Nos. 309 to 313 Greenwich street, nine-story, brick, 100 by 125 feet, occupied as a storage warehouse. The cause of the fire, which originated on the eighth floor and extended to the ninth, could not be ascertained. The first alarm was received at 2.34 P. M., the second at 2.35 and the third at 2.40 P. M. The services of thirteen engine and five hook and ladder companies were required, and the fire was under control in two and a half hours. The loss was \$227,000.

June 23.—No. 170 Fifth avenue, five-story, brick, brown-stone front, 27 by 100 feet, occupied as a picture and art establishment. The fire originated on the third floor, to which it was confined, and was caused by spontaneous combustion of oily material. The alarm was received at 8.04 P. M., and the services of only one engine and two hook and ladder companies were required, the fire being under control in fifteen minutes. Many costly works of art were stored in the building in addition to the valuable general stock, but the evident promptness in sending the alarm, the quick response of the force and the good judgment displayed in the management of the fire prevented serious loss, the amount of which was \$5,627. The subjoined letter was received from a committee of underwriters, expressive of their appreciation of the services of the Department on this occasion:

NEW YORK BOARD OF FIRE UNDERWRITERS,
No. 117 Broadway,
New York, June 24, 1885.

Hon. HENRY D. PURROY, President Board of Commissioners, Fire Department, City of New York:

DEAR SIR—At a meeting of representatives of insurance companies interested in the loss of Messrs. M. Knoedler & Co., held at the rooms of the New York Board of Fire Underwriters, this date, the undersigned were unanimously appointed a committee with instructions to communicate their appreciation of the action of the Department as follows:

That our thanks be tendered to the officers and men of the Fire Department of the City of New York who attended the fire last evening on the premises of M. Knoedler & Co., No. 170 Fifth avenue, this city, for the promptness, intelligence and efficiency displayed in extinguishing the fire, especially the exceeding care and discretion used in handling this stock, so sensitive to damage, and the judicious use of water in using no more than was absolutely necessary to extinguish the fire.

(Signed)

W. T. BIGELOW,

W. M. ST. JOHN,

W. DEL. BOUGHTON,

Committee.

August 30.—Nos. 330 to 340 East Sixty-first street. The buildings were of brick, 125 feet front and 100 feet in depth, and varied in height, No. 330 being two-story, Nos. 332, 334 and 336 three-story, and Nos. 338 and 340 five-story, all being connected, and occupied as a chair manufactory. The fire, which originated near the engine-room in the basement, and is believed to have been caused by overheated journals, destroyed the entire structure. The first alarm was received at 6.04 A. M., and had gained such headway that upon the arrival of the first companies Nos. 332, 334 and 336 were in flames from cellar to roof. At 6.08 the third alarm was received, but before the companies called thereby could respond the fire had extended to Nos. 338 and 340. Fireman 1st grade John Ennis, of Engine Company No. 8, who was at the pipe, was instantly killed by the falling walls. The services of nine engine and four hook and ladder companies were required, and the fire was under control in two hours and fifteen minutes. Loss, \$85,095.

WATER CONSUMPTION.

As nearly as can be estimated, 32,669,600 gallons of water were used by the land engines of the Department in extinguishing fires, including the quantity taken from the rivers; and in addition thereto an estimated quantity of 3,684,250 gallons of river water was used by the two floating engines, making an aggregate of 36,353,850 gallons.

MERITORIOUS SERVICES.

The rescues at fires and elsewhere by the uniformed force, involving personal risk, recorded on the roll of merit, are as follows:

Foreman Peter H. Short, commanding Hook and Ladder Company No. 1; Firemen 2d grade John O. Furman, John F. King and Joseph A. Cottrell, of the same company; Fireman 2d grade John Clark, and Fireman 3d grade Samuel P. Lynch, of Hook and Ladder Company No. 10, and Fireman 1st grade Daniel Lyons, of Engine Company No. 10, by the use of extension and scaling ladders, rescued Mr. and Mrs. Ernest Jaede, their child Mina Jaede, Josephine Kraft and Mary Leavy, from the fourth story of the burning building, Nos. 16 and 18 William street, and Nos. 57 to 61 Beaver street, on the night of February 21; Fireman Lyons, who, while endeavoring to reach the fourth story on Beaver street, by means of scaling ladders, was overcome by the heat of the fire, and fell from the third story to the basement, and was severely injured, and Mary Leavy, who was severely burned, were both removed to the Chambers Street Hospital.

Fireman 1st grade William Keilly, of Engine Company No. 24, being informed, on arrival at the fire in the tenement-house No. 368 Greenwich street, on the afternoon of February 21, that a woman was in danger in the basement of the burning building, dashed through the heat and smoke and groping his way to the rear of the basement, found Mrs. Julia Welch, aged 54, lying unconscious on the floor—her clothing partly burned off. He carried her a short distance, but the heat and smoke having increased considerably, was compelled to drop his burden and go to the basement door for air. Although his lips, ears and hair were burned, Keilly immediately returned and succeeded in bringing Mrs. Welch to the street, whence she was taken to St. Vincent's Hospital and died a few hours after admission. The Chief of Battalion in reporting the rescue states that "this effort of Fireman Keilly's was as brave an act as any that has come under my observation during my connection with this Department."

At the same fire and immediately afterwards Fireman 1st grade Charles Frost, of Engine Company No. 24, upon being told that there were a number of persons on the upper floors of the building, ran up the stairs to the attic floor and found Catherine Kennedy, aged seventy-two years, lying on a bed in an unconscious state, having been overcome by heat and fright, and carried her down the stairs to the street, where she soon revived. Returning at once to the attic he found Patrick McCarthy, aged eighty, and partly crippled, and brought him safely to the street. During this time the building was heavily charged with heat and smoke, and but for Fireman Frost's timely efforts, it is probable that both the rescued persons would have lost their lives, as the fire extended to all the floors of the building.

Fireman 2d grade Robert C. Manning, and Fireman 3d grade James M. Nugent, both of Hook and Ladder Company No. 3, at the fire in the building No. 337 East Fourteenth street, near midnight, on February 21, rescued Mrs. Carlestone and her infant, Miss Schwartz, Mr. and Mrs. Henry Stern and their two children (both sick) and Mrs. Mary Kennedy and her two daughters, who were all taken from the third floor to the roof by the stairway, and also Mrs. Elizabeth McLaughlin, a paralytic, and her daughter, Miss E. McLaughlin, who were taken to the adjoining building by the fire-escape. The building was thoroughly charged with smoke and heat, and the rescue of the persons named was accomplished by Firemen Manning and Nugent with great personal risk.

Upon responding to fire-alarm from Station 466 (First avenue and Thirty-eighth street), on May 3, the store and tenement-building No. 672 First avenue was found to be burning, the fire owing to delay in the alarm, having progressed so far as to entirely cut off the escape of the inmates of the upper floors, by both stairway and fire-escapes, and the entire building was filled with dense smoke and heat. Ladders, both scaling and ordinary, were quickly raised to the windows in the front of the building, and all the inmates found there were at once brought down to the street, three persons being carried down by firemen upon the scaling-ladders from the fifth to the fourth floor; and from thence lowered to the street with line-lives, while one person was passed down the chain of scaling-ladders from the fifth floor to the sidewalk. A number of other persons were carried down from the upper floors by firemen upon the extension-ladders. The officers and members of Engine Companies No. 5, 8, 14, 16 and 39, and Hook and Ladder Companies No. 3, 4 and 7, all took an active part in these rescues and worked so promptly and energetically as to entitle all of them to praise. Special mention is however made of the following named for valuable services rendered in effecting the rescues:

- Foreman John Welsh, commanding Engine Co. No. 8.
- Charles H. Shay, commanding Engine Co. No. 14.
- Assistant Foreman Edward F. Ryan, Engine Co. No. 8.
- Thomas Farley, Engine Co. No. 14.
- Terrence P. Brennan, Hook and Ladder Co. No. 3.
- Fireman 1st grade Cornelius F. Britt, Engine Co. No. 16.
- 1st grade Samuel Wood, Engine Co. No. 39.
- 1st grade Daniel B. Guinan, Hook and Ladder Co. No. 3.
- 1st grade Wm. H. Quinn, Hook and Ladder Co. No. 4.
- 1st grade Michael H. Roach, Hook and Ladder Co. No. 4.
- 1st grade Dennis Morrissey, Hook and Ladder Co. No. 7.
- 2d grade Philip Cahill, Engine Co. No. 5.
- 2d grade Michael Uniack, Engine Co. No. 14.
- 2d grade John J. Kennedy, Engine Co. No. 16.
- 2d grade William J. Mulhare, Hook and Ladder Co. No. 3.
- 2d grade Michael E. C. Graham, Hook and Ladder Co. No. 3.
- 2d grade Thomas F. Barrett, Hook and Ladder Co. No. 3.
- 2d grade John D. Dalrymple, Hook and Ladder Co. No. 4.
- 2d grade James H. McGowan, Hook and Ladder Co. No. 4.
- 2d grade James Monaghan, Hook and Ladder Co. No. 7.
- 3d grade Norman L. Jeraloman, Hook and Ladder Co. No. 3.
- 3d grade Patrick J. McMahon, Hook and Ladder Co. No. 7.

Notwithstanding the prompt and energetic efforts made to rescue the inmates immediately upon the arrival of the force at this fire, owing to the great headway attained by the flames before the alarm was sent, the fact that all the inmates had been rescued by the night (the alarm having been received at 12.26 A. M.), and that the building unfortunately stood isolated, eight persons lost their lives, all, so far as could be ascertained, before the arrival of the companies, with the exception of one man who was rescued, and subsequently died in hospital.

Chief of Battalion Francis J. Reilly and Assistant Foremen John Leonard and Lawrence Murphy, of Engine Company No. 37, rescued Edward Wellcamp, aged fifty, and his son Edward Wellcamp, Jr., aged ten, from the fifth story of the burning apartment-house No. 228 West One Hundred and Twenty-sixth street, on the evening of May 6, both of whom were so severely burned about their faces, hands and feet as to necessitate their removal to the Ninety-ninth Street Hospital; dense smoke and intense heat filled the building, making the rescue a dangerous undertaking, and but for the prompt action taken by the officers named both father and son would have lost their lives.

Fireman 3d grade Gustave Fuhrman, of Hook and Ladder Company No. 6, on arriving with his company at the fire No. 82 Mulberry street, on May 6, rescued Maria Sullivan, who was hanging from the sill of a third-story window, by climbing from the railing of the stoop of the

adjoining house to the top of the show-window, from there drawing himself up by a projecting sign bracket to the fire escape, and standing upon its railing, held her until a ladder was raised by means of which she was taken to the street.

Foreman John J. Eagan, of Engine Company No. 21, rescued an infant from the second story of the burning building, No. 250 East Fortieth street, on May 27, under the following circumstances: Being informed by William F. McConnell, a citizen, on arrival at the building, that an infant was in danger, he burst in the door of the room, aided by Mr. McConnell, and crept in on his hands and knees, and found the infant Henry Duncan, aged one and a half years, already slightly burned about the face, and brought it to the street, being himself slightly burned about the face and hands. At the same fire, Fireman 3d grade Edward J. Levy, of the same company, having been told that there was a woman on the third floor, groped his way to the point indicated, and finding no one, returned, being badly burned about the face and arms in the attempt.

Fireman 2d grade Dixon McQueen, of Engine Company No. 51 (fire steamer "Zophar Mills"), on June 5 rescued Ellsworth Barry, aged nineteen years, who was taken with cramps while bathing near the berth of the boat, from drowning.

Assistant Foreman Thomas J. Ahearn, of Hook and Ladder Company No. 11, at the fire which occurred on June 7 in the building No. 312 East Houston street, rescued Isidore Schiebner, aged five, from the second story, by climbing from the railing of the stoop to the fire-escape, and finding the boy, brought him safely to the street, the fire having cut off the means of escape by way of the stairs.

On the same date Assistant Foreman Ahearn and Fireman 3d grade Gustave Fuhrman, of Hook and Ladder Company No. 6, on arriving at the fire in the building No. 49 Pitt street, rear, which had extended up the stairway to the fourth floor, were informed that two children, Joseph Geagur, aged two and a half, and Annie Geagur, aged five years, were asleep on the fourth floor, climbed up the fire-escape in front and rescued both. Assistant Foreman Ahearn was badly burned about the hands.

Fireman 3d grade Luke Clayton, of Engine Company No. 18, at a fire which occurred on the night of September 3, in the building No. 236 West Nineteenth street, rescued William Reinmuth, who was clinging to the sill of a window of the fifth story, by hanging out of a window of the adjoining building, in which position a citizen held him by the legs, grasping Reinmuth and drawing him up in safety.

At the same fire, Fireman 1st grade Simon G. Murray, of Hook and Ladder Company No. 12, rescued Mrs. Carlyle and an unknown woman from the fourth story, by assisting them from the window to the ladder which rested four feet from the front of the building at that point; he also aided Mrs. Wallace from the third story, Mr. and Mrs. Harrigan from the fifth story, and Mrs. Spring from the second story, in making their escape.

Fireman 2d grade John R. Krowl, of Hook and Ladder Company No. 12, being at the time on regular leave of absence, voluntarily reported for duty at the same fire, assisted his company in raising ladders and in rescuing the inmates.

Fireman 1st grade Thomas F. Freel, of Engine Company No. 43 (fire steamer William F. Havemeyer), on September 4, rescued from drowning Robert E. Morrison, aged nine years, who was struggling in the water near Pier 48, East river.

Fireman 2d grade Dixon McQueen, of Engine Company No. 51 (fire steamer Zophar Mills), rescued from drowning Leo Barbo, aged seven years, on October 3, near the pier foot of West Thirteenth street.

EXTRAORDINARY FIRE SERVICE.

Last winter was one of the severest in the experience of the Department, the number of fires the first three months aggregating 731; the serious character of the fires during this period is shown by the fact that the average estimated loss per fire was \$2,542.

The fire extinguishing force was taxed to its utmost during this period, the immediate effect being the increase of the list of sick and disabled to nine per centum of the entire strength of the force, while the number of deaths during the year (16), largely attributable to the excessive exposures and fatigues which the force was called upon to undergo, was much greater than during any previous year.

So faithfully and effectively was the emergency met by the uniformed force, that the Commissioners felt impelled to recognize the splendid conduct of its officers and men in the following commendatory circular:

NEW YORK, March 23, 1885.

(Circular No. 1.)

In a recent communication the Chief of Department invites attention to the unusual amount of duty the fire-extinguishing force was called upon to perform during the past three months, and that, notwithstanding the obstacles to the successful operations of the force, such as the extreme severity of the winter, the freezing of many hydrants, and the exposure and fatigue consequent upon the unprecedented number of alarms responded to, the service was promptly, cheerfully and efficiently rendered.

From the communication referred to, the following facts with reference to the alarms responded to, and duty performed at fires, etc., during the period referred to, are taken:

December, 1884—290 alarms, of which 8 were second, and 9 third alarms.

January, 1885—202 alarms, of which 6 were second, and 9 third alarms.

February, 1885—261 alarms, of which 12 were second, and 13 third alarms.

That the greatest number of fires occurred on the following days:

December 20, 1884.....	33
January 22, 1885.....	18
January 27, 1885.....	16
February 21, 1885.....	16

That on twenty-six days, out of the ninety comprising the entire period, the daily average number of fires was twelve, the general daily average for the whole three months being eight and a half.

That the severe strain upon officers and men was made plainly evident by the increase of the sick list to nearly nine per centum of the entire force, necessitating large details from the upper to the lower sections of the city, to strengthen the companies thus weakened.

The Commissioners desire to place upon record their unqualified admiration and commendation of the excellent behavior of the uniformed force, under circumstances so trying and exhausting, and to congratulate them upon the success attending their efforts to preserve life and property.

Since March, both the number of fires and the amount of loss per fire have decreased (the latter in much greater ratio than the former), the average estimated loss for the remaining nine months being only \$1,104.76 per fire; and for the year the record stands 2,479 fires and \$1,528.55 average loss.

THE BENNETT AND STEPHENSON MEDALS.

These medals for the year 1884, were presented on June 20, by the Mayor of the City, at Washington Square, in the presence of a large number of people, Admiral Lacombe and staff, of the French Navy, being conspicuous among the many distinguished officials present; the recipients of the medals, Foreman John Binns, of Engine Company No. 32, to whom the Bennett medal had been awarded for meritorious services in 1884, the details of which were given in the report for that year, and Foreman David Connor, of Engine Company No. 23, who was adjudged to be the most deserving among the company commanders during 1884, and who was awarded the Stephenson medal. A detail of officers and men instructed and drilled in the use of scaling ladders, life lines, and other life saving appliances, gave an exhibition of their proficiency upon a building in the immediate vicinity, immediately after the presentation, and a review of a brigade of the uniformed force by the Mayor followed, the exercises of the day being concluded by a street parade.

The spectators especially the French Naval officers, gave frequent expression to their satisfaction during the exercises.

LIFE SAVING CORPS AND SCHOOL OF INSTRUCTION.

The schools of instruction have now been in operation since 1882, and though instruction was made compulsory only upon applicants for appointment or promotion, a large number of the officers and men who were already in service at the time the system was introduced, have availed themselves of its benefits by volunteering for instruction, so that out of a total membership of nine hundred and twenty-seven, four hundred and forty-eight have passed through the school and received a certificate.

Attention is invited to the number of instances recorded under the head of "Meritorious Services" in this report, in which the training in the use of scaling ladders and other life saving appliances in the school of instruction, was practically applied in the saving of life at fires.

Casualties.

The number of human lives lost and persons injured at fires and in connection with the operations of the Department at, and in responding to alarms for fires, as nearly as could be ascertained, are shown by the subjoined table:

	KILLED.			INJURED.								AGGREGATE KILLED AND INJURED.		
				FATALLY.		SERIOUSLY.		SLIGHTLY.		TOTAL.				
	At Fires.	Responding to Alarms.	Total.	At Fires.	Responding to Alarms.	At Fires.	Responding to Alarms.	At Fires.	Responding to Alarms.	At Fires.	Responding to Alarms.	At Fires.	Responding to Alarms.	Total.
Members of Department..	2	..	2	1	..	1	27	16	43	113	55	141	71	212
Others—Before arrival of Department..	8	1	9	24	..	24	56	..	56	18	3	98	3	101
" After arrival of Department..	1	..	1	..	..	..	3	..	3	1	1	4	4	5
Total	11	1	12	25	..	25	86	16	102	131	59	242	75	317

* One member of the Insurance Patrol.

Losses and Insurance.

	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	YEAR.
Estimated loss—													
On buildings and vessels.....	\$255,519 00	\$275,011 00	\$73,836 00	\$47,818 00	\$82,680 00	\$37,413 00	\$35,146 00	\$43,184 00	\$64,528 00	\$19,391 00	\$46,869 00	\$17,938 00	\$999,353 00
On contents.....	308,112 00	386,272 00	359,395 00	346,872 00	201,693 00	335,529 00	164,428 00	109,856 00	138,942 00	42,765 00	128,642 00	87,424 00	2,789,930 00
Total	\$563,631 00	\$661,283 00	\$433,231 00	\$374,690 00	\$284,373 00	\$372,942 00	\$199,574 00	\$153,040 00	\$203,470 00	\$62,156 00	\$175,511 00	\$105,362 00	\$3,789,283 00
Estimated insurance—													
On buildings and vessels.....	\$1,871,709 00	\$1,672,450 00	\$1,320,400 00	\$1,306,738 00	\$1,011,700 00	\$1,140,450 00	\$1,239,600 00	\$947,300 00	\$980,550 00	\$682,700 00	\$964,300 00	\$1,530,950 00	\$14,668,838 00
On contents.....	2,267,946 00	1,901,450 00	1,110,095 00	1,667,050 00	847,825 00	3,855,676 00	1,414,075 00	393,700 00	639,185 00	546,175 00	1,394,725 00	666,300 00	16,704,202 00
Total	\$4,139,646 00	\$3,573,900 00	\$2,430,495 00	\$2,973,788 00	\$1,859,525 00	\$4,996,126 00	\$2,653,675 00	\$1,341,000 00	\$1,619,735 00	\$1,228,875 00	\$2,359,025 00	\$2,197,250 00	\$31,373,040 00
Estimated uninsured loss—													
On buildings and vessels.....	\$497 00	\$1,841 00	\$826 00	\$1,236 00	\$1,370 00	\$506 00	\$794 00	\$1,415 00	\$656 00	\$1,152 00	\$1,066 00	\$357 00	\$11,716 00
On contents.....	4,022 00	8,016 00	72,618 00	4,881 00	135,049 00	3,550 00	11,161 00	3,554 00	3,405 00	2,555 00	6,570 00	1,999 00	257,380 00
Total	\$4,519 00	\$9,857 00	\$73,444 00	\$6,117 00	\$136,419 00	\$4,056 00	\$11,955 00	\$4,969 00	\$4,061 00	\$3,707 00	\$7,636 00	\$2,356 00	\$269,096 00
Average loss per fire.....	\$2,151 26	\$3,634 11	\$1,867 46	\$1,523 13	\$1,400 85	\$1,812 20	\$898 98	\$1,159 39	\$1,263 79	\$381 35	\$948 71	\$431 81	\$1,528 55

	JANUARY.	FEB.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPT.	OCT.	NOV.	DEC.	YEAR.	PERCENTAGE TO WHOLE NUMBER OF FIRES.	LOSS LESS THAN—
Nominal or less than \$10.....	64	57	58	71	73	62	76	35	45	60	59	88	748	.30	\$10 at 748 fires.
Between \$10 and 50.....	55	43	49	63	51	49	58	40	50	36	41	63	598	.24	50 at 1,346 "
" 50 " 100.....	31	19	25	19	16	11	21	14	14	14	14	22	220	.09	100 at 1,566 "
" 100 " 1,000.....	68	64	67	49	47	46	48	27	32	41	50	57	596	.24	1,000 at 2,162 "
" 1,000 " 5,000.....	26	33	22	32	10	16	11	12	10	9	13	9	203	.08	5,000 at 2,365 "
" 5,000 " 10,000.....	8	8	2	3	3	3	2	2	4	2	3	1	41		10,000 at 2,406 "
" 10,000 " 20,000.....	5	6	4	4	1	2	3	..	2	1	1	4	33		20,000 at 2,439 "
" 20,000 " 30,000.....	1	3	2	3	1	2	..	1	2	..	3	..	18		30,000 at 2,457 "
" 30,000 " 40,000.....	1	1	1	1	2	..	2	..	1	..	9		40,000 at 2,466 "
" 40,000 " 50,000.....	2	1	3		50,000 at 2,469 "
" 50,000 " 60,000.....	1		60,000 at 2,470 "
" 60,000 " 70,000.....	1	1		70,000 at 2,471 "
" 70,000 " 80,000.....	1		80,000 at 2,472 "
" 80,000 " 90,000.....	1		90,000 at 2,471 "
" 90,000 " 100,000.....	1	1		100,000 at 2,472 "
" 100,000 " 125,000.....	..	1	1		125,000 at 2,473 "
" 125,000 " 150,000.....	..	1	1		150,000 at 2,474 "
" 150,000 " 200,000.....	1	..	1	2		200,000 at 2,476 "
" 200,000 " 250,000.....	1	1	2		250,000 at 2,478 "
" 250,000 " 300,000.....	..	1	1		300,000 at 2,479 "
	262	237	232	246	203	192	222	132	161	163	185	244	2,479		

[illegible]

§ Estimate based on report of Superintendent of Buildings, fourth quarter, 1875, and exclusive of sheds, bridges and piers.
|| Exclusive of sheds, bridges and piers.

[illegible]

ORIGIN.	CAUSE.							PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—													Aggregate Loss to Structures and Contents		
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischiefousness.	Maliciousness.	Incendiarism.	Not ascertained.	Total.	Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Store-houses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Vessels.	Miscellaneous.		Total.	
<i>In Illuminating.</i>																							
Electric-lights, sparks from.....	7	2	..	..	..	..	..	9	..	..	3	4	1	..	..	1	..	..	..	..	9	\$285 00
Gas-meter, explosion of.....	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	2,100 00
Gas escaping and igniting.....	7	37	..	..	..	..	..	44	20	11	6	..	1	..	1	1	..	..	..	4	44	46,725 00
Gas-lights, candles, lamps, etc., igniting merchandise in stores, show-windows, and bedding, straw, woodwork, rubbish, etc.....	9	194	..	..	..	..	..	203	130	49	14	..	4	..	1	3	2	..	..	..	203	175,085 00
Lamps, kerosene-oil, breaking.....	10	12	..	..	2	..	..	24	19	4	1	..	..	..	..	..	..	..	..	..	24	2,807 00
Lamps, kerosene-oil, exploding.....	37	144	..	..	..	..	..	181	149	16	10	..	1	..	1	1	..	..	3	..	181	56,067 00
Lamps, kerosene-oil, falling.....	9	22	..	..	..	..	..	31	28	..	2	..	1	..	..	..	..	..	..	..	31	10,575 00
Lamps, kerosene-oil, upsetting.....	10	38	..	..	..	..	..	48	36	4	6	..	..	..	1	..	..	..	..	1	48	7,849 00
Lamps, kerosene-oil, taking fire.....	3	1	..	..	..	..	..	4	3	1	..	..	..	..	..	..	..	..	..	..	4	115 00
Lamps, gasoline, taking fire.....	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	.....
Matches, lighted tapers, etc., igniting clothing, woodwork, rubbish, etc.....	..	127	..	..	..	..	..	127	76	18	19	4	4	..	4	1	..	..	..	1	127	215,276 00
Total number of fires.....	94	577	..	..	2	..	..	673	462	104	61	8	12	..	8	7	2	..	3	6	673	.....
Total loss.....	\$18,638	\$498,227	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$516,885 00
<i>In Manufacturing and Other Business.</i>																							
Alcohol, tar, gum, oils, paints, varnish, etc., igniting on stoves, furnaces, over gas-lights, etc.....	22	29	..	1	..	..	..	52	3	4	31	..	7	..	1	1	..	..	..	5	32	\$44,799 00
Alcohol and kerosene lamp, explosion of.....	1	1	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	2	12 00
Charcoal fire igniting woodwork.....	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	.....
Chlorate of soda, keg of, exploding.....	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	1,300 00
Chimney flues, etc., heat from igniting woodwork.....	..	..	5	..	..	..	..	5	1	..	3	..	..	..	..	..	..	..	..	1	5	350 00
Cotton, jute, etc., ignited.....	2	2	..	..	..	..	..	4	..	..	..	..	1	..	..	..	..	..	2	1	4	4,053 00
Foul chimneys.....	..	7	..	..	..	..	..	7	..	..	5	..	2	..	..	..	..	..	..	..	7	10 00
Friction of machinery.....	7	..	..	..	..	..	..	7	..	7	..	..	..	..	..	..	..	..	..	..	7	100,705 00
Gas-stoves, gas-lights, igniting woodwork, paper, merchandise, etc.....	2	2	..	..	..	..	..	4	..	..	2	..	2	..	..	..	..	..	..	..	4	2,260 00
Hams, meats, etc., in ovens and smoke-houses, igniting.....	4	2	..	..	..	..	..	6	..	..	6	..	..	..	..	..	..	..	..	..	6	1,047 00
Hot metals igniting woodwork, merchandise, etc.....	..	3	..	..	..	..	..	3	..	..	3	..	..	..	..	..	..	..	..	..	3	4,795 00
Kerosene-oil stoves bursting, taking fire, etc.....	3	..	..	..	..	..	..	3	..	..	3	..	..	..	..	..	..	..	..	..	3	920 00
Lamp, alcohol, taking fire and igniting woodwork.....	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	50 00
Lime, slaking of.....	3	1	..	..	..	..	..	4	..	..	..	..	..	..	..	..	1	..	3	4	5,225 00	
Naphtha and benzine vapor igniting.....	5	1	..	..	..	..	..	6	..	2	4	..	..	..	..	..	..	..	..	..	6	1,825 00
Phosphorus igniting.....	..	4	..	..	..	..	..	4	..	2	2	..	..	..	..	..	..	..	..	..	4	5 00
Sulphur igniting in handling.....	..	2	..	..	..	..	..	2	..	1	1	..	..	..	..	..	..	..	..	..	2	75 00
Soot in stove-pipes and fire-places.....	..	2	..	..	..	..	..	2	..	1	..	..	1	..	..	..	..	..	..	..	2	5 00
Scenery in theatre igniting from gas-light, etc.....	..	1	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	1	.....
Sparks from chimneys, forges, furnaces, engines, steamships, locomotives, etc., igniting roofs, shavings, woodwork, etc.....	73	26	..	..	..	..	..	99	12	12	51	..	1	1	..	..	3	2	16	99	109,247 00	
Steam-pipes igniting merchandise, woodwork, etc.....	1	6	..	..	..	..	..	7	1	..	5	..	..	..	1	..	..	..	..	..	7	28,280 00
Spontaneous combustion of oily rags, etc.....	5	42	..	..	..	..	..	47	2	5	37	..	1	..	..	..	..	..	2	47	385,217 00	
Spontaneous combustion of dyed silk.....	1	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	33,250 00
Stoves, boilers, furnaces, ovens, etc., igniting merchandise, shavings, etc.....	13	46	..	..	..	..	..	59	7	..	44	..	4	..	..	..	1	2	1	59	117,142 00	
Stoves, furnaces, etc., upsetting, hot coals falling from.....	4	6	..	..	..	..	..	10	1	..	7	..	1	..	..	..	..	..	..	10	19,275 00	
Saltpetre, igniting of.....	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	75 00
Soot in chimneys.....	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	100 00
Vitriol, acids, spirits, etc., carbonyls of, breaking, or vapor igniting.....	4	1	..	..	..	..	..	5	1	3	1	..	..	..	..	..	..	..	..	5	15,040 00	
Workmen burning rubbish.....	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	25 00
Total number of fires.....	133	187	5	1	..	..	..	346	32	33	213	..	18	3	2	3	..	5	6	31	346	.....
Total loss.....	\$384,351	\$508,373	\$350	\$10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$893,084 00
<i>Miscellaneous.</i>																							
Bonfires.....	..	..	..	26	..	..	..	26	3	..	..	1	..	1	1	..	..	1	..	19	26	\$452 00
Cigars, pipes, etc., smoking of.....	..	259	..	..	..	..	..	259	72	65	72	5	9	1	21	..	..	..	1	13	259	390,514 00
Defective flues and chimneys.....	..	..	7	..	..	..	..	7	6	..	..	..	1	..	..	..	..	..	..	..	7	1,185 00
Fat, glue, varnish, etc., taking fire on stoves, etc.....	4	6	..	..	..	..	..	10	9	..	1	..	..	..	..	..	..	..	..	..	10	30 00
Firecrackers.....	1	28	..	7	..	..	..	36	17	7	7	..	..	2	..	..	..	..	3	36	2,890 00	
Fireworks, rockets, etc.....	10	4	..	1	..	..	..	15	9	3	1	..	..	1	..	..	..	..	1	15	4,272 00	
Foul chimneys.....	..	29	..	..	..	..	..	29	29	..	..	..	..	..	..	..	..	..	..	29	25 00	
Gunpowder igniting and setting fire to building.....	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	5 00	
Gas-stoves taking fire.....	2	..	..	..	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..	2	555 00	
Hot ashes igniting woodwork.....	..	26	..	..	..	..	..	26	10	4	7	..	2	1	1	..	..	..	1	26	15,434 00	
Hot metals igniting shavings.....	..	2	..	..	..	..	..	2	1	1	..	..	..	..	..	..	..	..	..	2	205 00	
Kerosene oil poured over woodwork and ignited.....	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	1	8,425 00	
Kerosene-oil stoves exploding.....	16	..	..	..	..	..	..	16	15	..	..	..	1	..	..	..	..	..	..	16	\$3,402 00	
Kerosene-oil stoves taking fire.....	12	..	..	..	..	..	..	12	10	..	1	..	1	..	..	..	..	..	..	12	293 00	
Kerosene-oil stoves upsetting.....	3	4	..	..	..	..	..	7	7	..	..	..	..	..	..	..	..	..	..	7	75 00	
Lightning igniting buildings, lumber, etc.....	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	1	250 00	
Lime, slaking of.....	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	.....	
Matches, children playing with.....	..	..	..	92	..	..	..	92	87	2	..	..	..	2	..	..	..	..	..	1	92	9,724 00
Matches gnawed by rats and mice.....	..	4	..	..	..	..	..	4	2	1	1	..	..	..	..	..	..	..	..	4	440 00	
Matches igniting awnings, straw, rubbish, woodwork, etc.....	7	170	..	5	8	18	5	213	119	43	23	2	5	..	12	..	2	1	..	6	213	157,015 00	
Meat in oven taking fire.....	1	1	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	2	252 00	
Not ascertained.....	..	..	..	..	..	..	90	90	24	24	30	2	1	2	1	1	1	..	1	3	90	1,531,883 00

ORIGIN.	CAUSE.							PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—													Aggregate Loss to Structures and Contents		
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischievousness.	Maliciousness.	Incendiarism.	Not ascertained.	Total.	Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Store-houses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Vessels.	Miscellaneous.		Total.	
Phosphorus igniting. ....	..	2	..	..	..	..	..	2	1	..	1	..	..	..	..	..	..	..	..	..	2	\$15 00
Rekindling of previous fire. ....	..	..	..	..	..	..	8	8	1	1	5	..	..	..	..	..	..	..	..	1	8	.....
Rubbish, etc., igniting.	2	11	..	1	..	..	2	16	5	2	1	..	..	..	..	..	..	..	..	8	16	505 00
Set on fire by an insane person. ....	..	..	..	..	1	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1	30 00
Soot ignited in fire-places and flues. ....	..	2	..	..	..	..	..	2	1	..	1	..	..	..	..	..	2	..	..	2	2	75 00
Sparks from chimneys, stoves, etc.	6	3	..	..	..	..	..	9	4	1	1	..	1	..	..	..	..	..	..	9	9	435 00
Sparks from previous fire.	3	..	..	..	..	..	..	3	1	..	1	..	..	..	..	1	..	..	..	3	3	175 00
Spontaneous combustion of oily rubbish, etc.	4	8	..	..	..	..	..	12	6	3	1	..	1	..	1	..	..	..	..	12	12	3,455 00
Stoves upsetting.	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1	70 00
Stoves, stove-pipes, etc., heat from igniting woodwork, etc. ....	..	12	..	..	..	..	..	12	10	1	1	..	..	..	..	..	..	..	..	12	12	1,264 00
Sulphur igniting clothing. ....	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1	3,200 00
Thawing out water-pipes with candles, lamps, lighted papers, etc. ....	..	19	..	..	..	..	..	19	13	3	3	..	..	..	..	..	..	..	..	19	19	3,415 00
Tramps building fires in woods, unoccupied houses, etc. ....	..	1	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	1	1	1,200 00
Total number of fires.	74	592	7	133	9	19	105	939	469	163	158	10	22	5	42	2	6	3	2	57	939	.....
Total loss.	\$11,947	\$532,441	\$1,185	\$13,116	\$564	\$44,044	\$1,537,868	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$2,141,165 00
<i>Recapitulation.</i>																							
In Heating.	{	54	407	60	..	..	..	521	402	51	33	3	10	..	4	1	4	1	2	10	521	.....
Loss.	{	\$36,764	\$179,300	\$22,085	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$238,149 00
In Illuminating.	{	94	577	..	..	2	..	673	462	104	61	8	12	..	8	7	2	..	3	6	673	.....
Loss.	{	\$18,658	\$498,227	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$16,885 00
In Manufacturing, etc.	{	153	187	5	1	..	..	346	32	33	213	..	18	3	2	3	..	5	6	31	346	.....
Loss.	{	\$384,351	\$508,373	\$350	\$10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$93,084 00
In Miscellaneous.	{	74	592	7	133	9	19	939	469	163	158	10	22	5	42	2	6	3	2	57	939	.....
Loss.	{	\$11,947	\$532,441	\$1,185	\$13,116	\$564	\$44,044	\$1,537,868	..	..	..	..	..	..	..	..	..	..	..	..	..	\$2,141,165 00
Aggregate.	{	375	1,763	72	134	11	19	105	2,479	1,365	251	465	21	62	8	56	13	12	9	13	104	2,479
Loss.	{	\$451,720	\$1,718,341	\$23,620	\$13,126	\$564	\$44,044	\$1,537,868	..	..	..	..	..	..	..	..	..	..	..	..	..	\$3,789,283 00

Origin (Consolidated) and Cause of Fires, by Months, for the Year.

ORIGIN, BY MONTHS.	CAUSE.							PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—													Aggregate Loss to Structures and Contents.		
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischivousness.	Maliciousness.	Incendiarism.	Not ascertained.	Total.	Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Store-houses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Vessels.	Miscellaneous.		Total.	
<i>In Heating.</i>																							
January	6	73	10	89	59	13	10	..	3	2	2	89	\$35,212 00	
February.....	2	57	7	66	48	7	7	1	1	..	1	1	66	100,505 00	
March.....	5	49	8	..	..	..	..	62	43	8	3	2	2	..	2	..	..	..	2	62	10,025 00
April.....	2	52	7	..	..	..	..	61	52	4	1	..	2	..	..	..	..	..	2	61	16,853 00
May	5	50	7	..	..	..	..	62	58	1	2	..	..	..	1	..	..	..	..	62	6,182 00
June	5	27	3	..	..	..	..	35	31	2	..	..	..	..	..	..	1	1	..	35	3,750 00
July.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
August.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
September.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
October.....	3	23	3	..	..	..	..	29	21	1	4	..	1	..	..	..	..	..	2	29	2,550 00
November.....	7	26	8	..	..	..	..	41	33	2	2	..	2	..	1	1	..	..	..	41	37,863 00
December	19	50	7	..	..	..	..	76	57	13	4	..	..	..	..	1	..	..	1	76	25,209 00
Total.....	54	407	60	521	402	51	33	3	10	..	4	1	4	1	2	10	521	\$238,149 00	
<i>In Illuminating.</i>																							
January.....	9	58	..	..	..	..	..	67	50	6	8	1	1	..	..	..	..	..	1	67	\$93,729 00
February.....	3	56	..	..	..	..	..	59	35	11	5	2	2	..	2	..	..	..	2	59	171,567 00
March	3	47	..	..	..	..	..	50	32	9	7	..	..	..	..	1	..	..	1	50	32,163 00
April.....	5	59	..	..	..	..	..	64	43	9	8	..	1	..	1	1	1	..	..	64	109,865 00
May.....	3	47	..	..	..	..	..	50	34	7	3	1	1	..	..	..	..	1	3	50	13,670 00
June	2	53	..	..	..	..	..	55	40	8	4	2	..	..	..	1	..	..	..	55	31,356 00
July.....	2	50	..	..	..	..	..	52	34	12	1	1	1	..	2	1	..	..	..	52	5,243 00
August.....	3	33	..	..	..	..	..	36	26	5	3	1	1	..	..	..	..	..	..	36	9,913 00
September.....	4	43	..	..	..	..	..	47	37	5	2	..	..	..	..	3	..	..	..	47	12,371 00
October.....	19	35	..	..	1	..	..	55	31	10	11	..	2	..	..	1	..	..	..	55	9,915 00
November.....	21	34	..	..	1	..	..	56	38	10	5	..	1	..	1	..	..	1	..	56	13,631 00
December.....	20	62	..	..	..	..	..	82	62	12	4	..	2	..	2	..	..	..	..	82	13,462 00
Total.....	94	577	2	673	462	104	61	8	12	..	8	7	2	..	3	6	673	\$516,885 00	

ORIGIN, BY MONTHS.	CAUSE.							PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—														Aggregate Loss to Structures and Contents.
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischivousness.	Maliciousness.	Incendiarism.	Not ascertained.	Total.	Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Store-houses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Vessels.	Miscellaneous.	Total.	
In Manufacturing and other Business.																						
January.....	4	17	..	..	..	..	..	21	..	1	17	..	..	1	..	..	..	..	..	2	21	\$83,444 00
February.....	11	17	..	..	..	..	..	28	3	1	19	..	1	..	..	1	..	..	1	2	28	39,453 00
March.....	5	23	..	..	..	..	..	28	3	1	16	..	3	1	..	..	..	..	1	3	28	275,991 00
April.....	11	19	..	1	..	..	..	31	3	5	16	..	..	..	1	..	..	1	4	31	46,952 00	
May.....	8	15	1	..	..	..	..	24	2	2	18	..	2	..	..	..	..	..	..	..	24	11,516 00
June.....	10	14	1	..	..	..	..	25	1	3	20	..	..	..	..	..	..	..	..	1	25	37,173 00
July.....	11	21	..	..	..	..	..	32	5	3	18	..	1	1	..	..	..	..	4	32	78,799 00	
August.....	14	18	..	..	..	..	..	32	3	5	20	..	1	..	..	1	..	..	1	1	32	97,308 00
September.....	18	11	1	..	..	..	..	30	3	5	17	..	1	..	..	..	..	1	1	2	30	87,992 00
October.....	22	9	..	..	..	..	..	31	3	2	18	..	3	..	1	..	..	..	4	31	24,972 00	
November.....	17	17	..	..	..	..	..	34	2	4	19	..	5	..	..	1	..	1	..	2	34	74,795 00
December.....	22	6	2	..	..	..	..	30	4	1	15	..	1	..	..	..	..	2	1	6	30	34,689 00
Total.....	153	187	5	1	..	..	..	346	32	33	213	..	18	3	2	3	..	5	6	31	346	\$893,084 00
Miscellaneous.																						
January.....	1	55	..	15	3	..	11	85	38	13	17	2	3	..	5	1	1	..	1	4	85	\$351,246 00
February.....	4	57	..	7	1	3	12	84	38	20	15	1	1	..	3	1	2	..	..	3	84	549,738 00
March.....	3	63	..	8	1	4	13	92	48	15	15	..	1	..	4	..	2	..	..	7	92	115,072 00
April.....	2	60	..	10	..	2	16	90	28	13	30	..	2	..	4	..	..	..	..	13	90	201,020 00
May.....	6	34	..	14	..	1	12	67	38	9	9	..	2	..	4	..	..	..	..	5	67	253,005 00
June.....	8	48	..	12	..	..	9	77	36	17	12	..	..	2	4	..	..	1	..	5	77	300,663 00
July.....	21	89	1	21	..	1	5	133	84	19	12	3	6	1	4	..	..	..	..	9	138	115,532 00
August.....	10	39	4	3	2	2	4	64	33	14	8	2	2	..	2	..	1	..	..	2	64	45,819 00
September.....	13	54	2	5	..	3	7	84	54	7	12	1	2	..	4	..	..	..	1	3	84	103,107 00
October.....	1	31	..	10	1	1	4	48	25	9	9	..	2	..	2	..	..	..	..	1	48	24,719 00
November.....	3	27	..	13	1	2	8	54	21	13	12	1	1	..	2	..	..	1	..	3	54	49,222 00
December.....	2	35	..	15	..	..	4	56	26	14	7	..	..	2	4	..	..	1	..	2	56	32,002 00
Total.....	74	592	7	133	9	19	105	939	469	163	158	10	22	5	42	2	6	3	2	57	939	\$2,141,165 00
Recapitulation.																						
In Heating.....	54	407	60	..	..	..	..	521	402	51	33	3	10	..	4	1	4	1	2	10	521	\$238,149 00
In Illuminating.....	94	577	..	..	2	..	..	673	462	104	61	8	12	..	8	7	2	..	3	6	673	516,885 00
In Manufacturing and other Business.....	153	187	5	1	..	..	..	346	32	33	213	..	18	3	2	3	..	5	6	31	346	893,084 00
Miscellaneous.....	74	592	7	133	9	19	105	939	469	163	158	10	22	5	42	2	6	3	2	57	939	2,141,165 00
Total.....	375	1,763	72	134	11	19	105	2,479	1,365	351	465	21	62	8	56	13	12	9	13	104	2,479	\$3,789,283 00

ORIGIN OF FIRES BY DISTRICTS AND MONTHS.

First District—Part of City lying south of Chambers Street.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	..	2	..	2	..	4	..	4	..	6	..	6	1	7	1	9	1	19	1	21	\$7,892 00	\$33,619 00	\$41,511 00
February.....	..	3	..	3	..	2	..	2	..	1	..	1	1	13	1	15	1	19	1	21	31,895 00	215,691 00	247,586 00
March.....	..	1	..	1	..	..	..	..	..	8	1	9	..	3	..	12	1	13	..	13	3,580 00	20,250 00	23,830 00
April.....	..	3	..	3	..	3	..	3	..	6	..	6	1	11	..	12	1	23	..	24	21,430 00	109,638 00	131,068 00
May.....	1	..	..	1	..	2	1	3	..	2	..	2	1	5	1	7	2	9	2	13	1,650 00	3,505 00	5,155 00
June.....	..	..	..	..	1	3	..	4	..	4	..	4	..	5	..	5	1	12	..	13	7,075 00	22,214 00	29,289 00
July.....	..	..	..	..	1	1	..	2	..	2	..	2	1	9	..	10	2	12	..	14	14,570 00	80,196 00	94,766 00
August.....	..	..	..	..	..	1	..	1	..	3	..	3	1	6	..	7	1	10	..	11	735 00	1,630 00	2,365 00
September.....	..	..	..	..	..	1	..	1	..	3	1	4	..	3	..	3	..	7	1	8	4,745 00	23,533 00	28,275 00
October.....	2	..	..	2	1	4	..	5	..	10	1	11	..	4	..	4	3	18	1	22	3,370 00	9,270 00	12,640 00
November.....	1	1	..	2	3	6	..	9	..	8	..	8	..	6	..	6	4	21	..	25	7,640 00	59,994 00	60,634 00
December.....	..	2	..	2	..	4	..	4	1	4	..	5	2	2	..	4	3	12	..	15	1,495 00	2,775 00	4,270 00
Total.....	4	12	..	16	6	31	1	38	1	57	3	61	8	74	3	85	19	174	7	200	\$106,077 00	\$575,312 00	\$681,389 00

Number of buildings in district—

Dwellings..... 1,012

Business..... 3,805

Total..... 4,817

Number of fires in dwellings..... 19

Number of fires in business buildings..... 174

Total fires in buildings..... 193

Number of dwellings to each fire..... 53

Number of business places to each fire..... 21

Number of buildings to each fire..... 25

Second District—Part of City lying between Chambers and Houston Streets, west of West Broadway and South Fifth Avenue.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	2	2	..	4	2	3	..	5	..	..	..	..	1	1	2	4	5	6	2	13	\$200,595 00	\$4,880 00	\$205,475 00
February.....	1	2	..	3	1	2	..	3	..	..	1	1	..	..	..	..	2	4	1	7	4,850 00	18,825 00	23,675 00
March.....	..	1	..	1	1	2	..	3	..	..	..	..	..	3	1	4	1	6	1	8	2,050 00	4,235 00	6,285 00
April.....	5	..	..	5	1	..	..	1	..	..	1	1	..	2	..	2	6	2	1	9	245 00	3,050 00	3,295 00
May.....	3	..	..	3	1	3	..	4	..	2	..	2	1	1	2	4	5	6	2	13	405 00	125 00	530 00
June.....	3	..	..	3	3	2	..	5	..	2	..	2	2	2	..	4	8	6	..	14	2,365 00	226,060 00	228,425 00
July.....	..	..	..	..	1	1	..	2	..	2	1	3	5	2	..	7	6	5	1	12	3,733 00	16,825 00	20,558 00
August.....	..	..	..	..	..	..	..	..	..	3	1	4	1	2	..	3	1	5	1	7	2,250 00	28,568 00	30,818 00
September.....	..	..	..	..	..	1	..	1	..	2	1	3	2	1	2	5	2	4	3	9	2,575 00	4,780 00	7,355 00
October.....	2	1	..	3	2	..	..	2	..	1	..	1	2	..	..	2	6	2	..	8	360 00	485 00	845 00
November.....	..	3	..	3	1	2	..	3	..	1	..	1	..	2	2	4	1	8	2	11	690 00	2,064 00	2,754 00
December.....	2	..	..	2	4	1	..	5	1	2	..	3	..	5	..	5	7	8	..	15	730 00	1,505 00	2,235 00
Total.....	18	9	..	27	17	17	..	34	1	15	5	21	14	21	9	44	50	62	14	126	\$220,848 00	\$311,402 00	\$532,250 00

Number of buildings in district—

Dwellings..... 2,518

Business..... 902

Total..... 3,420

Number of fires in dwellings..... 50

Number of fires in business buildings..... 62

Total fires in buildings..... 112

Number of dwellings to each fire..... 50

Number of business places to each fire..... 15

Number of buildings to each fire..... 31

Third District—Part of City lying between Chambers and Houston Streets, West Broadway and South Fifth Avenue, and Crosby, Elm and Centre Streets.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	1	7	..	8	..	4	..	4	..	1	..	1	1	6	..	7	2	18	..	20	\$7,848 00	\$163,720 00	\$171,568 00
February.....	..	1	..	1	..	2	..	2	..	2	..	2	..	5	..	5	..	10	..	10	142,603 00	181,025 00	323,628 00
March.....	1	2	..	3	1	2	..	3	..	2	..	2	..	6	..	6	2	12	..	14	9,060 00	109,495 00	118,555 00
April.....	1	1	..	2	..	1	..	1	..	1	1	2	..	4	1	5	1	7	2	10	2,750 00	105,852 00	108,602 00
May.....	..	1	..	1	..	..	..	..	..	1	..	1	..	3	..	3	..	5	..	5	550 00	12,585 00	13,135 00
June.....	..	..	..	..	..	2	..	2	..	..	..	..	1	5	..	6	1	7	..	8	6,335 00	24,430 00	30,765 00
July.....	..	..	..	..	1	..	..	1	..	3	..	3	..	2	..	2	1	5	..	6	5,350 00	33,870 00	39,220 00
August.....	..	..	..	..	..	1	..	1	..	2	..	2	..	1	..	1	4	..	4	..	1,310 00	1,660 00	2,970 00
September.....	..	..	..	..	..	1	..	1	..	2	..	2	1	3	..	4	1	6	..	7	2,625 00	26,812 00	29,437 00
October.....	..	..	..	..	..	2	..	2	..	..	..	..	1	1	..	2	1	3	..	4	5 00	10 00	15 00
November.....	..	..	..	..	..	3	..	3	..	2	..	2	..	3	..	3	..	8	..	8	1,920 00	30,505 00	32,425 00
December.....	1	2	..	3	..	1	..	1	..	..	..	..	..	6	..	6	1	9	..	10	1,605 00	30,600 00	32,205 00
Total.....	4	14	..	18	2	19	..	21	..	16	1	17	4	45	1	50	10	94	2	106	\$181,001 00	\$720,214 00	\$901,215 00

Number of buildings in district—

Dwellings..... 333

Business..... 1,303

Total..... 1,636

Number of fires in dwellings..... 10

Number of fires in business buildings..... 94

Total fires in buildings..... 104

Number of dwellings to each fire..... 33

Number of business places to each fire..... 14

Number of buildings to each fire..... 16

Fourth District—Part of City lying between Chambers and Houston Streets, east of Crosby, Elm and Centre Streets.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	8	5	..	13	22	1	..	23	..	3	..	3	11	7	1	19	41	16	1	58	\$6,917 00	\$13,225 00	\$20,142 00
February.....	7	2	..	9	10	3	..	13	..	2	1	3	12	8	..	20	29	15	1	45	6,887 00	21,897 00	28,784 00
March.....	7	3	..	10	13	3	1	17	..	2	..	2	14	4	1	19	34	12	2	48	4,560 00	20,243 00	24,803 00
April.....	8	..	..	8	14	3	..	17	1	5	..	6	7	9	..	16	30	17	..	47	4,070 00	14,935 00	19,005 00
May.....	14	2	..	16	8	1	2	11	..	7	..	7	10	5	..	15	32	15	2	49	61,720 00	136,490 00	198,210 00
June.....	8	..	..	8	11	1	..	12	..	3	..	3	5	6	..	11	24	10	..	34	3,305 00	6,625 00	9,930 00
July.....	..	..	..	..	14	..	..	14	1	3	..	4	20	10	3	33	35	13	3	51	3,626 00	6,782 00	10,408 00
August.....	..	..	..	..	10	2	..	12	..	8	..	8	11	8	..	19	21	18	..	39	3,302 00	10,816 00	14,118 00
September.....	..	..	..	..	13	..	..	13	..	5	..	5	9	9	..	18	22	14	..	36	19,730 00	27,330 00	47,060 00
October.....	5	2	1	8	8	4	..	12	2	1	..	3	7	9	..	16	22	16	1	39	2,370 00	11,786 00	14,156 00
November.....	3	1	..	4	11	2	..	13	..	4	..	4	8	3	..	11	22	10	..	32	1,185 00	2,569 00	3,754 00
December.....	7	2	..	9	13	1	..	14	1	4	..	5	4	3	..	7	25	10	..	35	4,770 00	37,174 00	41,944 00
Total.....	67	17	1	85	147	21	3	171	5	47	1	53	118	81	5	204	337	166	10	513	\$122,442 00	\$309,872 00	\$432,314 00

Number of buildings in district—

Dwellings..... 9,994

Business..... 2,593

Total..... 12,587

Number of fires in dwellings..... 317

Number of fires in business buildings..... 166

Total fires in buildings..... 503

Number of dwellings to each fire..... 30

Number of business places to each fire..... 16

Number of buildings to each fire..... 25

Fifth District—Part of City lying between Houston and Twenty-third Streets.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	17	6	..	23	7	2	1	10	..	7	..	7	8	9	..	17	32	24	1	57	\$15,655 00	\$64,616 00	\$80,271 00
February.....	11	1	1	13	8	7	2	17	..	6	1	7	9	6	..	15	28	20	4	52	15,440 00	23,899 00	39,339 00
March.....	9	5	..	14	7	3	..	10	..	5	..	5	11	13	..	24	27	26	..	53	49,732 00	195,921 00	245,653 00
April.....	12	1	..	13	12	8	..	20	..	5	..	5	6	10	2	18	30	24	2	56	7,330 00	15,719 00	23,049 00
May.....	7	1	..	8	12	2	..	14	..	7	..	7	9	3	1	13	28	13	1	42	11,145 00	40,273 00	51,418 00
June.....	7	2	1	10	9	2	..	11	1	5	..	6	7	8	2	17	24	17	3	44	4,538 00	27,259 00	31,807 00
July.....	..	..	..	..	8	6	..	14	1	5	..	6	22	7	..	29	31	18	..	49	3,186 00	3,535 00	6,721 00
August.....	..	..	..	..	3	4	..	7	1	6	..	7	9	6	1	16	13	16	1	30	2,972 00	12,893 00	15,867 00
September.....	..	..	..	..	0	4	..	13	1	5	..	6	15	7	1	23	25	16	1	42	12,337 00	26,479 00	38,816 00
October.....	5	2	..	7	6	5	..	11	..	4	..	4	5	4	..	9	16	15	..	31	9,100 00	14,358 00	23,458 00
November.....	8	..	..	8	11	..	..	11	1	7	..	8	1	9	..	10	21	16	..	37	22,625 00	15,036 00	37,661 00
December.....	9	1	1	11	10	2	..	12	1	3	..	4	4	4	..	8	24	10	1	35	1,535 00	3,382 00	4,917 00
Total.....	85	19	3	107	102	45	3	150	6	65	1	72	106	86	7	199	299	215	14	528	\$155,595 00	\$443,382 00	\$598,977 00

Number of buildings in district—
Dwellings..... 15,986
Business..... 3,836
Total..... 19,822

Number of fires in dwellings..... 299
Number of fires in business buildings..... 215
Total fires in buildings..... 514

Number of dwellings to each fire..... 54
Number of business places to each fire..... 18
Number of buildings to each fire..... 39

Sixth District—Part of City lying between Twenty-third and Fifty-ninth Streets.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	18	6	..	24	14	..	..	14	..	1	..	1	10	6	..	16	42	13	..	55	\$12,580 00	\$24,846 00	\$37,426 00
February.....	22	5	1	28	10	2	..	12	1	9	..	10	7	5	1	13	40	21	2	63	69,210 00	120,257 00	189,467 00
March.....	14	4	1	19	7	4	..	11	2	1	..	3	11	3	1	15	34	12	2	48	2,671 00	4,691 00	7,362 00
April.....	16	2	..	18	9	1	..	10	..	3	1	4	7	6	..	13	32	12	1	45	5,101 00	49,776 00	54,877 00
May.....	17	..	..	17	10	2	1	13	..	3	..	3	12	6	..	18	39	11	1	51	4,760 00	7,315 00	12,075 00
June.....	6	..	..	6	12	4	..	16	..	5	..	5	14	6	1	21	32	15	1	48	10,199 00	25,275 00	35,474 00
July.....	..	..	..	..	7	8	..	15	1	5	1	7	15	6	2	23	23	19	3	45	1,365 00	2,224 00	3,589 00
August.....	..	..	..	..	7	2	..	9	1	1	1	3	5	5	1	11	13	8	2	23	480 00	1,070 00	1,550 00
September.....	..	..	..	..	10	2	..	12	2	5	..	7	14	..	..	14	26	7	..	33	2,601 00	3,007 00	5,608 00
October.....	5	1	..	6	10	7	..	17	1	4	2	7	6	1	1	8	22	13	3	38	667 00	1,075 00	1,742 00
November.....	15	2	..	17	5	4	..	9	1	4	..	5	7	5	..	12	28	15	..	43	1,267 00	3,953 00	5,220 00
December.....	23	8	..	31	21	5	..	26	..	1	..	1	10	2	..	12	54	16	..	70	2,614 00	4,662 00	8,276 00
Total.....	136	28	2	166	122	41	1	164	9	42	5	56	118	51	7	176	385	162	15	562	\$114,515 00	\$248,151 00	\$362,666 00

Number of buildings in district—
Dwellings..... 22,274
Business..... 4,565
Total..... 26,839

Number of fires in dwellings..... 385
Number of fires in business buildings..... 162
Total fires in buildings..... 547

Number of dwellings to each fire..... 58
Number of business places to each fire..... 28
Number of buildings to each fire..... 49

Seventh District—Part of City lying between Fifty-ninth and One Hundred and Tenth Streets, west of Fifth Avenue.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	2	..	..	2	1	..	..	1	..	..	..	..	1	..	1	3	1	..	4	..	\$1,402 00	\$350 00	\$1,752 00
February.....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1 00	.....	1 00
March.....	..	..	..	..	..	..	..	..	..	..	..	..	3	1	1	5	3	1	1	5	470 00	525 00	995 00
April.....	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	..	..	2	2	2	30 00	125 00	155 00
May.....	3	..	..	3	..	..	..	..	..	..	..	..	1	..	1	3	1	..	4	..	450 00	107 00	557 00
June.....	1	..	..	1	..	..	..	..	..	1	1	..	..	..	..	1	..	1	2	..	2 00	.....	2 00
July.....	..	..	..	..	..	..	..	..	..	..	..	..	4	..	2	6	4	..	2	6	26 00	1 00	27 00
August.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	1	..	.....	.....	.....
September.....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	1	..	400 00	1,100 00	1,500 00
October.....	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	1	2	..	2	..	310 00	255 00	565 00
November.....	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	1	..	1	..	30 00	.....	30 00
December.....	3	..	..	3	..	2	..	2	..	..	..	..	1	..	..	1	4	2	..	6	52 00	79 00	131 00
Total.....	11	..	..	11	1	2	..	3	..	1	1	2	10	4	5	19	22	7	6	35	\$3,173 00	\$2,542 00	\$5,715 00

Number of buildings in district—
Dwellings..... 2,493
Business..... 1,021
Total..... 3,514

Number of fires in dwellings..... 22
Number of fires in business buildings..... 7
Total fires in buildings..... 29

Number of dwellings to each fire..... 113
Number of business places to each fire..... 146
Number of buildings to each fire..... 121

Eighth District—Part of City lying between Fifty-ninth and One Hundred and Tenth Streets, east of Fifth Avenue.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	3	1	..	4	3	1	..	4	..	..	..	..	2	2	..	4	8	4	..	12	\$1,515 00	\$2,165 00	\$3,680 00
February.....	3	2	..	5	5	2	..	7	..	..	..	..	3	1	..	4	11	5	..	16	2,085 00	2,536 00	4,621 00
March.....	8	..	..	8	2	..	..	2	..	..	..	..	5	2	1	8	15	2	1	18	850 00	2,995 00	3,845 00
April.....	3	..	1	4	6	3	..	9	1	1	..	2	1	6	..	7	11	10	1	22	4,520 00	16,148 00	20,668 00
May.....	4	..	..	4	1	2	..	3	1	..	..	..	1	..	1	2	7	2	1	10	345 00	770 00	1,115 00
June.....	1	1	..	2	3	..	..	3	..	..	..	..	4	3	1	8	8	4	1	13	1,201 00	1,929 00	3,130 00
July.....	..	..	..	..	2	..	..	2	2	2	..	4	8	4	1	13	12	6	1	19	1,135 00	20,400 00	21,535 00
August.....	..	..	..	..	2	..	..	2	1	1	..	2	2	1	..	3	5	2	..	7	32,990 00	52,325 00	85,915 00
September.....	..	..	..	..	3	1	..	4	..	1	..	1	6	1	..	7	9	3	..	12	10,590 00	279 00	10,869 00
October.....	..	..	..	..	1	..	..	1	..	2	1	3	2	1	..	3	3	3	1	7	10 00	31 00	41 00
November.....	3	1	..	4	2	..	..	2	..	2	1	3	2	1	..	3	7	4	1	12	7,576 00	15,391 00	22,967 00
December.....	4	1	..	5	8	2	..	10	..	3	..	3	4	2	..	6	16	8	..	24	1,615 00	2,530 00	4,145 00
Total.....	29	6	1	36	38	11	..	49	5	12	2	19	40	24	4	68	112	53	7	172	\$64,438 00	\$118,099 00	\$182,531 00

Number of buildings in district—

Dwellings..... 9,689

Business..... 1,454

Total..... 11,143

Number of fires in dwellings..... 112

Number of fires in business buildings..... 53

Total fires in buildings..... 165

Number of dwellings to each fire..... 87

Number of business places to each fire..... 27

Number of buildings to each fire..... 68

Ninth District—Part of City lying between One Hundred and Tenth Street and Harlem River, west of Eighth Avenue.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	3	..	1	4	..	..	..	..	..	..	1	1	..	1	..	1	3	1	2	6	\$70 00	\$40 00	\$110 00
February.....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	1	100 00	25 00	125 00
March.....	..	..	1	1	..	..	..	..	..	..	1	1	1	1	..	2	1	1	2	4	610 00	20 00	630 00
April.....	1	..	..	1	1	..	..	1	..	1	1	2	2	..	1	3	4	1	2	7	775 00	149 00	924 00
May.....	3	..	..	3	..	..	..	..	1	..	..	1	1	..	..	1	5	..	..	5	1,510 00	220 00	1,730 00
June.....	..	..	..	..	1	1	..	2	..	..	..	..	..	..	..	1	1	1	..	2	100 00	200 00	300 00
July.....	..	..	..	..	..	..	..	..	..	..	1	1	1	2	1	4	1	2	2	5	220 00	225 00	445 00
August.....	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	1	..	1	15 00	5 00	20 00
September.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	2	1	..	1	2	800 00	325 00	1,125 00
October.....	1	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	2	150 00	375 00	525 00
November.....	..	..	..	..	..	..	1	1	..	..	1	1	..	..	..	..	..	..	2	2	55 00	10 00	65 00
December.....	..	..	..	..	1	..	..	1	..	..	4	4	..	1	..	1	1	1	4	6	65 00	255 00	320 00
Total	8	..	3	11	3	1	1	5	1	2	9	12	6	6	3	15	18	9	16	43	\$4,470 00	\$1,849 00	\$6,319 00

Number of buildings in district—

Dwellings..... 1,862

Business..... 1,560

Total..... 3,422

Number of fires in dwellings..... 16

Number of fires in business buildings..... 9

Total fires in buildings..... 27

Number of dwellings to each fire..... 103

Number of business places to each fire..... 173

Number of buildings to each fire..... 127

Tenth District—Part of City lying between One Hundred and Tenth Street and Harlem River, east of Eighth Avenue.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	5	..	..	5	1	1	..	2	..	1	..	1	2	..	..	2	8	2	..	10	\$85 00	\$293 00	\$378 00
February.....	2	..	..	2	1	1	..	2	2	..	..	2	4	2	1	7	9	3	1	13	1,275 00	1,155 00	2,430 00
March.....	3	..	..	3	1	2	..	3	..	1	..	1	2	..	1	3	6	3	1	10	150 00	970 00	1,120 00
April.....	3	..	..	3	..	1	..	1	1	..	..	1	1	1	1	3	5	2	1	8	772 00	1,960 00	2,732 00
May.....	3	..	..	3	2	..	..	2	..	..	..	..	2	..	..	2	7	..	..	7	130 00	288 00	418 00
June.....	1	..	..	1	..	..	..	..	2	..	..	2	2	..	1	3	3	2	1	6	72 00	175 00	247 00
July.....	..	..	..	..	2	..	..	2	..	..	1	1	8	..	..	8	8	2	1	11	110 00	140 00	250 00
August.....	..	..	..	..	2	..	..	2	..	1	..	1	2	1	..	3	4	2	..	6	30 00	30 00	60 00
September.....	..	..	..	..	2	..	..	2	..	..	..	..	2	..	..	2	4	..	..	4	425 00	165 00	590 00
October.....	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	1	..	1	1	.....	5 00	5 00
November.....	..	..	..	..	1	..	..	1	..	1	..	1	2	..	..	2	3	1	..	4	1,000 00	4,008 00	5,008 00
December.....	4	1	..	5	1	2	..	3	..	..	1	1	1	2	..	3	6	5	1	12	110 00	882 00	992 00
Total.....	21	1	..	22	11	9	..	20	3	7	2	12	23	6	4	38	63	23	6	92	\$4,159 00	\$10,071 00	\$14,230 00

Number of buildings in district—

Dwellings..... 6,941

Business..... 945

Total..... 7,886

Number of fires in dwellings..... 63

Number of fires in business buildings..... 23

Total fires in buildings..... 86

Number of dwellings to each fire..... 110

Number of business places to each fire..... 41

Number of buildings to each fire..... 92

Eleventh District—Part of City lying between Harlem and East Rivers, Kingsbridge Road, etc., and Bronx River.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	..	..	..	..	..	..	..	..	..	..	1	1	2	1	..	3	2	1	1	4	\$935 00	\$283 00	\$1,218 00
February.....	1	..	..	1	..	1	..	1	..	2	..	2	1	2	..	3	2	5	..	7	665 00	952 00	1,617 00
March.....	1	1	..	2	..	1	..	1	1	2	1	4	1	1	1	3	3	5	2	10	98 00	50 00	148 00
April.....	2	..	1	3	..	1	..	1	..	1	..	1	2	..	5	7	4	..	6	12	770 00	9,520 00	10,290 00
May.....	2	..	..	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	3	3	10 00	15 00	25 00
June.....	3	..	..	3	..	..	..	..	..	2	..	2	1	1	..	2	4	3	..	7	221 00	1,152 00	1,373 00
July.....	..	..	..	..	..	..	..	..	..	1	..	1	..	3	..	3	..	4	..	4	1,825 00	230 00	2,055 00
August.....	..	..	..	..	2	..	..	2	..	..	..	..	1	..	..	1	3	..	3	3	60 00	607 00	667 00
September.....	..	..	..	..	..	..	..	..	..	1	..	1	2	1	..	3	2	2	..	4	670 00	135 00	805 00
October.....	..	..	..	..	3	2	..	5	..	1	..	1	..	1	..	1	3	4	..	7	1,547 00	2,065 00	3,612 00
November.....	3	..	..	3	4	..	..	4	..	..	..	..	..	1	1	2	7	1	1	9	2,856 00	2,092 00	4,948 00
December.....	4	1	..	5	4	..	..	4	..	3	..	3	..	1	2	3	8	5	2	15	2,337 00	3,580 00	5,917 00
Total.....	17	2	1	20	13	5	..	18	1	13	2	16	10	12	9	31	41	32	12	85	\$11,994 00	\$20,681 00	\$32,675 00

Number of buildings in district—
Dwellings..... 6,989
Business..... 3,184
Total..... 10,173

Number of fires in dwellings..... 41
Number of fires in business buildings..... 32
Total fires in buildings..... 73

Number of dwellings to each fire..... 170
Number of business places to each fire..... 100
Number of buildings to each fire..... 139

Twelfth District—Part of City lying north of Spuyten Duyvil Creek and Kingsbridge Road, etc.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	..	1	1	2	..	\$25 00	\$75 00	\$100 00
February.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
March.....	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	1	1	25 00	..	25 00
April.....	1	..	..	1	..	..	..	..	..	..	1	1	..	..	1	1	1	..	2	3	25 00	..	25 00
May.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	1	1	5 00	..	5 00
June.....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	2,000 00	200 00	2,200 00
July.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
August.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
September.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	1	1	..	..	..
October.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..	1	1,500 00	3,000 00	4,500 00
November.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	1	1	25 00	20 00	45 00
December.....	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	1	1	10 00	..	10 00
Total.....	2	..	..	2	..	..	..	..	..	..	3	3	2	2	2	7	5	2	5	12	\$3,615 00	\$3,295 00	\$6,910 00

Number of buildings in district—
Dwellings..... 945
Business..... 674
Total..... 1,619

Number of fires in dwellings..... 5
Number of fires in business buildings..... 2
Total fires in buildings..... 7

Number of dwellings to each fire..... 189
Number of business places to each fire..... 337
Number of buildings to each fire..... 231

Thirteenth District—Governor's, Bedloe's, Ellis', Blackwell's, Ward's, Randall's and North Brothers' Islands.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....
February.....	1	..	..	1	1	..	..	1	..	\$10 00	\$10 00
March.....
April.....	1	..	..	1	1	..	..	1	..	..	..
May.....
June.....
July.....
August.....
September.....	1	1	1	..	..	1	1	..	1	2	\$7,030 00	25,000 00	32,030 00
October.....	1	..	..	1	1	..	1	1	2 00	50 00	52 00
November.....
December.....
Total.....	1	1	4	..	..	4	4	..	1	5	\$7,032 00	\$25,060 00	\$32,092 00

Number of buildings in district—
Dwellings..... 219
Business..... 231
Total..... 450

Number of fires in dwellings..... 4
Number of fires in business buildings..... ..
Total fires in buildings..... 4

Number of dwellings to each fire..... 55
Number of business places to each fire..... ..
Number of buildings to each fire..... 113

Recapitulation.

DISTRICTS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				NUMBER OF BUILDINGS.				AVERAGE NUMBER OF BUILDINGS TO EACH FIRE.			LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Total.	Dwellings.	Business, etc.	Total.	Buildings.	Contents.	Total.	
First	4	12	..	16	6	31	1	38	1	57	3	61	8	74	3	85	19	174	7	200	1,012	3,805	4,817	53	21	25	\$106,077	\$575,312	\$681,389	
Second	18	9	..	27	17	17	..	34	1	15	5	21	14	21	9	44	60	52	14	126	2,518	902	3,420	50	13	31	220,848	311,492	532,250	
Third	4	14	..	18	2	19	..	21	..	16	1	17	4	45	1	50	10	94	2	106	333	1,303	1,636	33	14	16	181,001	720,214	901,215	
Fourth	67	16	2	85	147	21	3	171	5	47	1	55	18	81	5	204	337	166	10	513	9,994	2,598	12,592	30	16	25	122,442	309,872	432,314	
Fifth	85	19	3	107	102	45	3	150	6	65	1	72	106	86	7	199	299	215	14	528	15,986	3,836	19,822	54	18	39	155,595	443,382	598,977	
Sixth	136	28	2	166	122	41	1	164	9	42	6	57	118	50	7	175	385	162	15	562	22,274	4,585	26,859	58	28	49	114,515	248,151	362,666	
Seventh	11	..	..	11	1	2	..	3	..	1	1	2	20	4	5	19	22	7	6	35	2,493	1,021	3,514	113	146	121	3,173	2,542	5,715
Eighth	29	6	1	36	38	11	..	49	5	12	2	19	40	24	4	68	112	53	7	162	9,682	1,454	11,136	87	27	68	64,432	118,099	182,531	
Ninth	8	..	3	11	3	1	1	5	1	2	9	12	6	6	3	15	18	9	16	43	1,862	1,560	3,422	103	173	127	4,470	1,849	6,319	
Tenth	21	1	..	22	11	9	..	20	3	7	2	12	28	6	4	38	63	23	6	92	6,941	945	7,886	110	41	92	4,159	10,071	14,230	
Eleventh	17	2	1	20	13	5	..	18	1	13	2	16	10	12	9	31	41	32	12	85	6,982	3,184	10,173	170	100	139	11,994	20,681	32,675	
Twelfth	2	..	..	2	..	..	..	..	..	..	3	3	3	2	2	7	5	2	5	12	945	674	1,619	189	337	231	3,615	3,295	6,910
Thirteenth .....	..	..	..	..	..	..	..	..	..	..	1	1	4	..	..	4	4	..	1	5	219	231	450	55	..	113	7,032	25,060	32,092
Total	402	107	12	521	462	202	9	673	32	277	37	316	469	411	59	919	1,365	998	116	2,479	81,255	26,098	107,353	59	26	45	\$999,353	\$2,789,930	\$3,789,283	

Indictments and Convictions for Arson, Incendiarism, etc.

DESCRIPTION OF PERSON.						NATURE OF CHARGE AND CIRCUMSTANCES.	NATURE OF INDICTMENT AND DATE.	WHEN AND OF WHAT CONVICTED.	SENTENCE AND REMARKS.
Name.	Age.	Sex.	Color.	Nativity.	Occupation.				
Edward Lyman....	40	Male..	White.	United States..	Truckman....	{ Setting fire to the dwelling-house No. 454 West Twenty-ninth street, March 16, 1885.....	Arson, 1st degree, March 26, 1885.....	.....	To be examined as to his sanity.
Thomas McCann....	30	"	"	Ireland.....	Wagon-maker..	{ Setting fire to stable No. 50 West Tenth street, March 17, 1885..	Arson, 2d degree, March 18, 1885.....	.....	Acquitted April 23, 1885.
Lizzie Math.....	23	Female	"	Germany.....	Housekeeper..	{ Setting fire to dwelling No. 702 East Ninth street, February 27, 1885.....	Arson, 3d degree, April 13, 1885.....	.....	Acquitted April 28, 1885.
Antonio Giboni....	26	Male..	"	Switzerland....	Fruit dealer....	{ Setting fire to premises No. 436 Ninth avenue, April 6, 1885.....	Arson, 1st degree, February 25, 1884.....	.....	Acquitted May 3, 1885.
Paul Gaugi.....	30	"	"	Italy.....	Barber.....	{ Setting fire to premises No. 464 West Thirty-third street, February 17, 1884.....	Arson, 1st degree, February 25, 1884.....	May 27, 1885..	May 27, 1885. State prison, 15 years.
Thomas F. Cleary...	22	"	"	United States..	Clerk.....	{ Setting fire to premises No. 621 Sixth avenue, September 28, 1885..	Arson, 1st degree, October 8, 1885.....	.....	Case dismissed by Grand Jury October 12, 1885.
Thomas McNabb....	14	"	"	"	{ Inmates of House of Refuge, sent there for theft.....	{ Setting fire to factory on Randall's Island.....	Arson, 3d degree, October 8, 1885.....	.....	McNabb only tried and jury disagreed. Both sent back to House of Refuge December 14, 1885.
James Donohue....	15	"	"	"	{ Inmates of House of Refuge.....	{ Setting fire to school building, House of Refuge, Randall's Island..	Arson, 3d degree.....	December 10, 1885. Arson, 3d degree..	Penitentiary three years.
James Madden....	15	"	"	"	"	{ Setting fire to school building, House of Refuge, Randall's Island..	Arson, 3d degree.....	.....	Case dismissed by Grand Jury December 10, 1885, and prisoner sent back to House of Refuge.
James Burns.....	15	"	"	"	"	{ Setting fire to school building, House of Refuge, Randall's Island..	Arson, 3d degree.....	.....	Case dismissed by Grand Jury December 10, 1885, and prisoner sent back to House of Refuge.
Henry Kohout.....	26	"	"	Bohemia.....	Cigar-maker....	{ Setting fire to premises No. 404 East Sixty-fourth street, November 23, 1885.....	Murder and arson, 1st degree, December 15, 1885..	.....	.....
Josephine Kohout..	22	Female	"	"	House-keeper..	{ Setting fire to premises No. 404 East Sixty-fourth street, November 23, 1885.....	Murder and arson, 1st degree, December 15, 1885..	.....	.....
Edward Kohout....	23	Male..	"	"	Cigar-maker....	{ Setting fire to premises No. 404 East Sixty-fourth street, November 23, 1885.....	Murder and arson, 1st degree, December 15, 1885..	.....	.....

Operations under the Laws Regulating the Storage of Combustibles and Explosive Materials, etc.

COMPLAINTS OF VIOLATIONS, ETC.	Pending last report.	Received since.	Total to be Disposed of.	DISPOSITION.						Now Pending.
				Complied on Notice.	Unfounded.	Penalties Collected.	Penalties Remitted.	Prosecution Recommended.	Total.	
Selling kerosene oil below test.....	3	5	8	..	..	3	5	..	8	..
Selling kerosene oil without license.....	..	2	2	..	2	..	..	..	2	..
Chimney fires.....	31	219	250	..	..	87	124	27	238	12
Hoistways found open after conclusion of business.....	9	24	33	..	1	6	21	4	32	1
Fire-hydrants obstructed.....	3	53	56	50	6	..	..	..	56	..
Lights unprotected.....	..	2	2	..	2	..	..	..	2	..
Want of fire-extinguishing appliances.....	13	5	18	3	2	..	..	..	5	13
Want of telegraphic communication.....	5	..	5	1	4	..	..	..	5	..
Kerosene or naphtha, etc., in excessive quantity.	..	16	16	7	9	..	..	..	16	..
Fireworks, chemicals, matches, etc., kept without permit.....	..	3	3	1	2	..	..	..	3	..
Powder, etc., improperly stored, transported, etc.....	..	3	3	..	3	..	..	..	3	..
Chimneys, flues, heating apparatus, etc., unsafe	4	29	33	18	12	..	..	..	30	3
Ashes in wooden boxes, etc.....	..	8	8	4	1	..	..	..	5	3
Hay, straw, cotton, rags, and other vegetable fibre stored in excessive quantity.....	12	16	28	10	18	..	..	..	28	..
Lime, spirits, varnish, etc., stored in excessive quantity.....	1	7	8	7	1	..	..	..	8	..
Total	81	392	473	101	63	96	150	31	441	32

Special surveys made to determine the fitness of premises for the storage of combustibles or explosive materials.....	547
Special surveys of places of amusement.....	5
Samples of kerosene oil collected and tested.....	8,965

Money Received for Licenses and Permits Issued, Penalties Collected, Sale of Explosives, etc., Seized, etc.	
For 3,655 kerosene-oil licenses issued, at \$10.....	\$36,550 00
For 84 powder licenses issued, at \$2.....	168 00
For 403 special permits issued, at \$2.....	806 00
For 29 wholesale fireworks permits issued, at \$2.....	58 00
For 18 retail fireworks permits issued, at \$1.....	18 00
For 41 retail fireworks permits issued, at 50 cents.....	\$20 50
For 1,949 retail fireworks permits issued, at 25 cents.....	487 25
For 139 kindling fire in street permits issued, at 50 cents.....	69 50
Total for licenses and permits.....	\$38,177 25
For 3 penalties for selling kerosene oil below test, at \$50.....	\$150 00
For 87 penalties for chimney fires, at \$5.....	435 00
For 6 hoistways left open, at \$50.....	300 00
Total for penalties.....	885 00
Total received and turned over to the Relief Fund.....	\$39,062 25

Plans and Specifications for New Buildings Filed and Acted upon.

CLASSIFICATION.	Pending last report.	Received since.	Total.	Approved.	Amended and Approved.	Disapproved.	Now Pending.	Total.	ESTIMATED COST.
Dwelling-houses—Estimated cost over \$50,000 each.....	4	4	8	3	5	4	\$328,000 00
Dwelling-houses—Estimated cost between \$20,000 and \$50,000 each.....	150	150	300	124	9	..	150	3,875,100 00	
Dwelling-houses—Estimated cost less than \$20,000 each.....	6	849	855	303	542	10	..	855	8,885,500 00
Flats—Estimated cost over \$15,000 each.....	689	689	1,378	523	5	..	689	15,632,600 00	
Tenement-houses—Estimated cost less than \$15,000 each.....	3	581	584	165	398	20	1	584	7,529,100 00
Hotels and boarding-houses.....	3	3	6	1	5	..	3	159,450 00	
Stores—Estimated cost over \$30,000 each.....	20	20	40	3	17	..	20	1,312,500 00	
Stores—Estimated cost between \$15,000 and \$30,000 each.....	47	47	94	3	42	2	47	916,600 00	
Stores—Estimated cost less than \$15,000 each.....	77	77	154	24	49	3	77	278,900 00	
Office buildings.....	24	24	48	9	14	1	24	1,043,700 00	
Manufactories and workshops.....	6	160	166	40	119	6	166	2,148,300 00	
School-houses.....	4	4	8	4	4	..	4	90,000 00	
Churches.....	14	14	28	5	9	..	14	385,900 00	
Public buildings—Municipal.....	2	2	4	1	1	..	2	54,000 00	
Public buildings—Places of amusement, etc.....	13	13	26	3	9	1	13	622,000 00	
Stables.....	151	151	302	69	78	4	131	695,580 00	
Frame dwellings in Twenty-third and Twenty-fourth Wards.....	430	430	860	258	137	35	430	1,242,170 00	
Other frame structures.....	150	150	300	59	55	43	150	174,513 00	
Total.....	13	3,368	3,381	1,115	2,125	140	3	3,383	\$45,374,013 00

Plans and Specifications for Alterations to Buildings Filed and Acted upon.

CLASSIFICATION.	Pending last report.	Received since.	Total.	Approved.	Amended and Approved.	Disapproved.	Now Pending.	Total.	ESTIMATED COST.
Dwelling-houses.....	4	378	382	322	226	32	2	582	\$986,079 00
Flats.....	45	45	90	20	15	..	45	255,525 00	
Tenement-houses.....	12	634	646	373	230	40	1	646	823,533 00
Hotels and boarding-houses.....	56	56	112	21	26	7	2	56	338,595 00
Stores.....	4	237	241	140	72	20	241	640,035 00	
Office buildings.....	89	89	178	55	27	6	89	2,422,425 00	
Manufactories and workshops.....	5	272	277	138	111	25	3	277	731,500 00
School-houses.....	12	12	24	8	4	..	12	232,150 00	
Churches.....	28	28	56	14	12	1	28	328,220 00	
Public buildings.....	47	47	94	29	4	..	47	320,540 00	
Stables.....	83	83	166	32	40	11	83	313,105 00	
Frame buildings.....	2	425	427	236	135	55	1	427	251,418 00
Total.....	27	2,506	2,533	1,372	934	216	11	2,533	\$7,594,825 00

Number of Buildings Completed During Year.

LOCATION.	COMMENCED.	COMPLETED.	IN PROGRESS.
South of Chambers street.....	20	28	18
Between Chambers and Houston streets.....	223	223	95
Between Houston and Twenty-third streets.....	126	129	75
Between Twenty-third and Fifty-ninth streets.....	379	399	223
Between Fifty-ninth and One Hundred and Tenth streets, east of Fifth avenue.....	566	673	515
Between Fifty-ninth and One Hundred and Tenth streets, west of Fifth avenue.....	317	264	555
Between One Hundred and Tenth street and Harlem river, east of Eighth avenue.....	400	447	271
Between One Hundred and Tenth street and Harlem river, west of Eighth avenue.....	196	124	135
North of Harlem river.....	513	545	188
Total, 1885.....	2,940	2,832	2,075
Total, 1884.....	2,460	2,473	.....

Violations of Law and Unsafe Buildings.

NATURE.	Pending last report.	Received since.	Total for Disposition.	Removed before Action by Courts.	Removed or Ordered by Courts.	Dismissed by Courts.	Discontinued.	Total Final Disposition.	Now Pending.	Forwarded for Prosecution.
Defective construction, materials, etc.....	212	811	1,023	707	..	10	105	822	201	590
Erecting, altering or removing without permit, or after disapproval.....	193	723	916	579	..	30	134	743	175	482
Insufficient means of escape, fire-escapes, aisles obstructed, etc.....	1,330	3,048	4,378	2,245	..	17	911	3,173	1,205	1,523
Unsafe buildings.....	540	1,750	2,290	1,571	3	..	157	1,731	559	53
Total.....	2,275	6,334	8,609	5,102	3	57	1,307	6,469	2,140	2,648

Complaints Received and Investigated.

NATURE.	Pending last report.	Received since.	Total.	Unfounded.	Remedied on Verbal Notice.	Notices to be issued.	Total.	Now Pending.
Defective flues.....	4	177	181	65	33	81	179	2
Defective construction and materials.....	3	49	52	36	3	11	50	2
Defective leaders.....	8	95	103	16	2	75	93	10
Erecting and altering without permit.....	3	53	56	41	2	12	55	1
Frame structures erected and removed without permit.....	1	220	221	90	6	123	219	2
Front iron shutters which cannot be opened from the outside.....	5	2	7	4	..	1	5	2
Holstway openings not guarded.....	1	13	14	8	1	5	14	..
Insufficient means of escape, fire-escapes out of repair, etc.....	38	1,213	1,251	336	54	769	1,159	92
No iron shutters.....	2	7	9	4	..	5	9	..
Stairways floored over.....	..	3	3	..	..	2	2	1
Unsafe buildings.....	8	1,421	1,429	570	85	764	1,419	10
Total.....	73	3,253	3,326	1,170	186	1,988	3,204	122

Inspection of Passenger Elevators.

INSPECTED.	FOUND IN GOOD ORDER.	FOUND DEFECTIVE.	LAW COMPLIED WITH ON NOTICE.	PENDING.	NOTICES ISSUED.
381	368	13	9	4	196

The following Tabular Statements show the Operations of the Bureau since it became a part of the Fire Department, viz.: August 1, 1880, to December 31, 1885.

NATURE.	AUGUST 1 TO DECEMBER 31, 1880.	1881.	1882.	1883.	1884.	1885.	TOTAL.
Number of proposed new buildings.....	973	2,682	2,577	2,623	2,897	3,368	15,120
Estimated cost of same.....	\$12,205,990	\$43,391,300	\$44,793,186	\$44,304,638	\$41,461,208	\$45,374,013	\$231,472,635
Number of buildings proposed to be altered.....	373	1,497	1,691	1,870	2,460	2,506	10,397
Estimated cost of same.....	\$681,136	\$4,142,070	\$4,267,121	\$4,540,436	\$4,659,532	\$7,594,821	\$25,885,176
Violations (other than fire-escapes) reported.....	240	761	1,086	1,134	1,075	1,336	6,732
Violations (other than fire-escapes) removed.....	248	838	1,070	1,239	1,294	1,565	6,864
Unsafe buildings reported.....	160	920	1,318	946	1,729	1,750	6,853
Unsafe buildings made safe.....	148	488	1,373	816	1,361	1,438	5,620
Unsafe buildings taken down.....	10	78	205	73	87	134	587
Buildings reported for additional means of escape in case of fire.....	277	544	1,443	1,562	2,662	3,048	9,536
Buildings provided with additional means of escape in case of fire.....	84	825	842	1,328	1,964	2,245	7,288
Notices issued.....	1,372	4,422	6,279	5,471	9,417	13,243	40,704
Complaints received.....	1,285	5,030	3,237	2,465	1,907	3,253	17,177
Cases forwarded for prosecution.....	123	723	1,022	1,404	1,839	2,646	7,757

Table showing the Number of Plans Submitted for the Erection and Alterations of Buildings, the Number of Violations of Law and Unsafe Buildings Reported, and the Number of Complaints Received from 1862 to 1885, inclusive.

NATURE.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.
Plans submitted for new buildings and alterations.....	41	100	210	327	2,635	1,492	1,282	2,492	2,367	2,697	2,327	2,136	2,211
Violations reported, other than fire-escapes.....	823	267	208	153	826	854	486	400	882	1,724	513	569	817
Buildings reported for fire-escapes.....	*	*	*	*	*	*	7,306	1,893	1,979	973	770	2,215	1,436
Complaints received.....	127	295	234	267	335	426	334	306	340	263	459	570	583
Unsafe buildings reported.....	65	182	88	153	282	311	258	338	515	1,007	438	953	1,546
Total cases acted upon.....	1,056	864	740	902	2,078	3,083	9,666	5,429	6,083	6,664	4,507	6,443	6,593

NATURE.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	TOTALS.
Plans submitted for new buildings and alterations.....	2,023	1,850	2,004	1,874	2,261	2,355	2,682	2,915	3,548	3,949	4,174	47,948
Violations reported, other than fire-escapes.....	819	576	472	994	573	567	761	1,086	1,134	1,975	1,536	19,015
Buildings reported for fire-escapes.....	1,606	1,654	1,505	1,188	678	1,402	544	1,443	1,562	2,662	3,048	33,864
Complaints received.....	600	383	487	394	499	1,884	5,030	3,237	2,465	1,907	3,253	24,678
Unsafe buildings reported.....	1,639	1,551	1,210	894	733	585	920	1,348	946	1,729	1,750	19,434
Total cases acted upon.....	6,678	6,014	5,678	5,344	4,744	6,793	9,923	10,029	9,653	12,222	13,761	144,939

* No record.

† The records show that cases of encumbered fire-escape balconies, and painting and repairing same, were included in this number.

‡ Prior to June 1, 1866, it was optional to file plans.

Number and Estimated Cost of Buildings Proposed to be Erected and Altered, from 1868 to December 31, 1885.

YEAR.	NEW BUILDINGS.		ALTERATIONS TO BUILDINGS.		TOTALS.
	Number.	Estimated Cost.	Number.	Estimated Cost.	
1868*	2,014	\$34,517,662 00	†	\$2,168,045 00	\$36,685,727 00
1869*	2,348	40,352,053 00	†	4,228,174 00	44,580,232 00
1870*	2,351	34,668,998 00	†	2,816,234 00	37,485,232 00
1871*	2,782	42,585,391 00	†	4,351,981 00	46,937,372 00
1872*	1,728	27,884,870 00	1,318	2,788,379 00	30,673,249 00
1873.....	1,311	24,936,535 00	1,311	3,496,995 00	28,433,530 00
1874.....	1,388	16,667,147 00	1,429	3,532,147 00	20,199,294 00
1875.....	1,405	18,226,870 00	1,258	3,000,438 00	21,227,308 00
1876.....	1,379	15,993,880 00	1,177	3,635,478 00	19,539,358 00
1877.....	1,432	13,365,114 00	1,308	3,215,125 00	16,580,239 00
1878.....	1,672	15,219,680 00	1,209	2,621,046 00	17,840,726 00
1879.....	2,065	22,567,322 00	1,373	3,300,110 00	25,867,432 00
1880.....	2,252	29,115,335 00	1,352	3,862,111 00	32,977,446 00
1881.....	2,682	43,391,300 00	1,497	4,142,070 00	47,533,370 00
1882.....	2,577	44,793,186 00	1,691	4,267,181 00	49,060,367 00
1883.....	2,623	44,304,638 00	1,870	4,540,436 00	48,845,074 00
1884.....	2,897	41,461,308 00	2,460	4,659,532 00	46,120,740 00
1885.....	3,368	45,374,013 00	2,506	7,594,825 00	52,968,838 00
Totals.....	38,275	\$535,335,497 00	21,759	\$68,420,307 00	\$623,755,804 00

* In these years the cost of building was much higher than at present.
† The number of alterations for these years is not on record.

Table Showing the Number of Unsafe Buildings Made Safe and Taken Down from 1862 to December 31, 1885, inclusive.

YEAR.	MADE SAFE.	TAKEN DOWN.	TOTAL.	YEAR.	MADE SAFE.	TAKEN DOWN.	TOTAL.
1862.....	49	16	65	1875.....	1,586	90	1,676
1863.....	96	53	149	1876.....	1,531	71	1,602
1864.....	71	37	108	1877.....	1,088	67	1,155
1865.....	86	33	119	1878.....	836	77	913
1866.....	225	32	257	1879.....	650	56	706
1867.....	335	22	357	1880.....	513	56	569
1868.....	235	22	257	1881.....	488	78	566
1869.....	395	38	433	1882.....	1,373	205	1,578
1870.....	478	52	530	1883.....	816	73	889
1871.....	892	62	954	1884.....	1,361	87	1,448
1872.....	398	38	436	1885.....	1,438	134	1,572
1873.....	819	58	877	Totals.....	17,155	1,524	18,679
1874.....	1,466	67	1,533				

Table Showing the Number of Cases Acted Upon from 1868 to 1885.

YEAR.	VIOLATIONS AND UNSAFE BUILDINGS REPORTED, COMPLAINTS RECEIVED, AND PLANS SUBMITTED.	YEAR.	VIOLATIONS AND UNSAFE BUILDINGS REPORTED, COMPLAINTS RECEIVED, AND PLANS SUBMITTED.
1868.....	9,666	1878.....	5,344
1869.....	5,429	1879.....	4,744
1870.....	6,083	1880.....	6,793
1871.....	6,664	1881.....	9,913
1872.....	4,507	1882.....	10,029
1873.....	6,443	1883.....	9,655
1874.....	6,593	1884.....	12,222
1875.....	6,678	1885.....	13,761
1876.....	6,014		
1877.....	5,678	Total.....	136,216

Number of Cases Forwarded to the Attorney for Prosecution from 1872 to 1885.

YEAR.	NUMBER OF CASES.	YEAR.	NUMBER OF CASES.	YEAR.	NUMBER OF CASES.
1872.....	107	1878.....	291	1883.....	1,404
1873.....	247	1879.....	240	1884.....	1,839
1874.....	247	*1880.....	252	1885.....	2,646
1875.....	628	†1880.....	123		
1876.....	412	1881.....	723	Total.....	10,381
1877.....	200	1882.....	1,022		

* Seven months in old Department.

† Five months in present Bureau.

Number of meetings of Board of Examiners	41
Number of cases acted upon by Board of Examiners	374
Number of applicants for appointment as Inspectors examined	52
Of which were found qualified	42
Disqualified	10

Petitions for Modification of the Law.

	APPROVED.	DISAPPROVED.	TOTAL.
New buildings.....	162	37	199
Alterations.....	130	25	155
Iron shutters	15	5	20
Total.....	307	67	374

Attention is invited to the fact that the past year has been the busiest in the history of the bureau, as the foregoing tables show.

The number of applications for new buildings and alterations has been greater than ever before, and the total estimated cost of this contemplated work is unprecedented.

The number of buildings reported unsafe and made safe is also greater than in the preceding year, and the notices issued for the erection of fire-escapes exceeds by 386 cases the number issued in the year 1884. The most gratifying result shown is the diminished number of violations committed. It will be observed that the greatest activity has been displayed in the erection of small houses rather than in large flats and tenements.

The present law, which took effect on June 9, has in many ways compelled better building than heretofore, though some difficulty has been experienced in enforcing all its provisions, owing to the involved and defective character of its language.

Properly amended, the present law should lead to excellent results.

Enumeration and Classification of Structures.

The number of structures of all kinds in the city, on December 31, 1885, classified as below explained, was again ascertained by actual count and inspection by officers of the uniformed force, the result being shown by the subjoined tables.

New buildings, not finished so as to be ready for occupancy, were omitted; but all buildings undergoing alterations or repairs, though at the time not ready for occupancy, were included in the classes to which they would belong when completed.

Structures were classified as follows:

1st. As to their uses; subdivided into—

- a. Dwellings, exclusively.
- b. " principally and partly business, etc.
- c. " partly and principally business, etc.
- d. Business, etc., exclusively.
- e. Sheds, etc., detached from other buildings of occupants of premises.
- f. Bridges over streams, cuts, etc.
- g. Piers.

The term "business, etc.," is intended to include every use except that for dwelling purposes. Under the head of "sheds, etc.," are also included gasometers, large oil tanks, magazines, etc.

2d. As to their construction; subdivided into—

- a. Built of brick, stone, iron, or other non-inflammable materials exclusively, except as to flooring, trimmings, doors, sashes, etc.
- b. Walls built of brick, stone, iron, or other non-inflammable materials; floor beams, partitions, stairways, etc., of wood or other inflammable material.
- c. Built mainly of wood or other inflammable material.

The first class (a) is the so-called fire-proof structure.

3d. As to their height; subdivided into—

- a. Four stories or less above the basement, or the ground floor where there is no basement.
- b. More than four stories above the basement, or the ground floor where there is no basement.

In the first of these (a) there are few, if any, the top floors of which are inaccessible with the longest fire ladders; and the second (b), while in the main representing buildings the upper stories of which are not accessible with the longest ladders, also contain many structures of five, six and even seven floors, which, as the stories are more or less below the standard of height adopted as a basis for this classification, can also be reached by the longest ladders in use in the Department.

4th. As to their location; subdivided into—

- a. On the street, i. e., having no other building between them and the highway.
- b. In rear of other buildings.

5th. As to the number of families in buildings used exclusively, principally, or partly as dwellings; subdivided into—

- a. Occupied by one family each.
- b. Occupied by more than one family each.

For the purposes of this enumeration the city is subdivided into thirteen districts, bounded as shown by the subjoined outline map of the city, which also shows the area of each district, the number of buildings in it, and the number of fires occurring therein, together with the estimated amount of loss caused thereby.

A comparison with previous enumerations shows a less number of buildings in some of the districts south of Fifty-ninth street, as a result of the last enumeration. The reason for this loss is found in the fact that every large building erected in these sections of the city replaces a number of smaller ones taken down, in some instances more than twenty-five buildings giving place to one new structure.

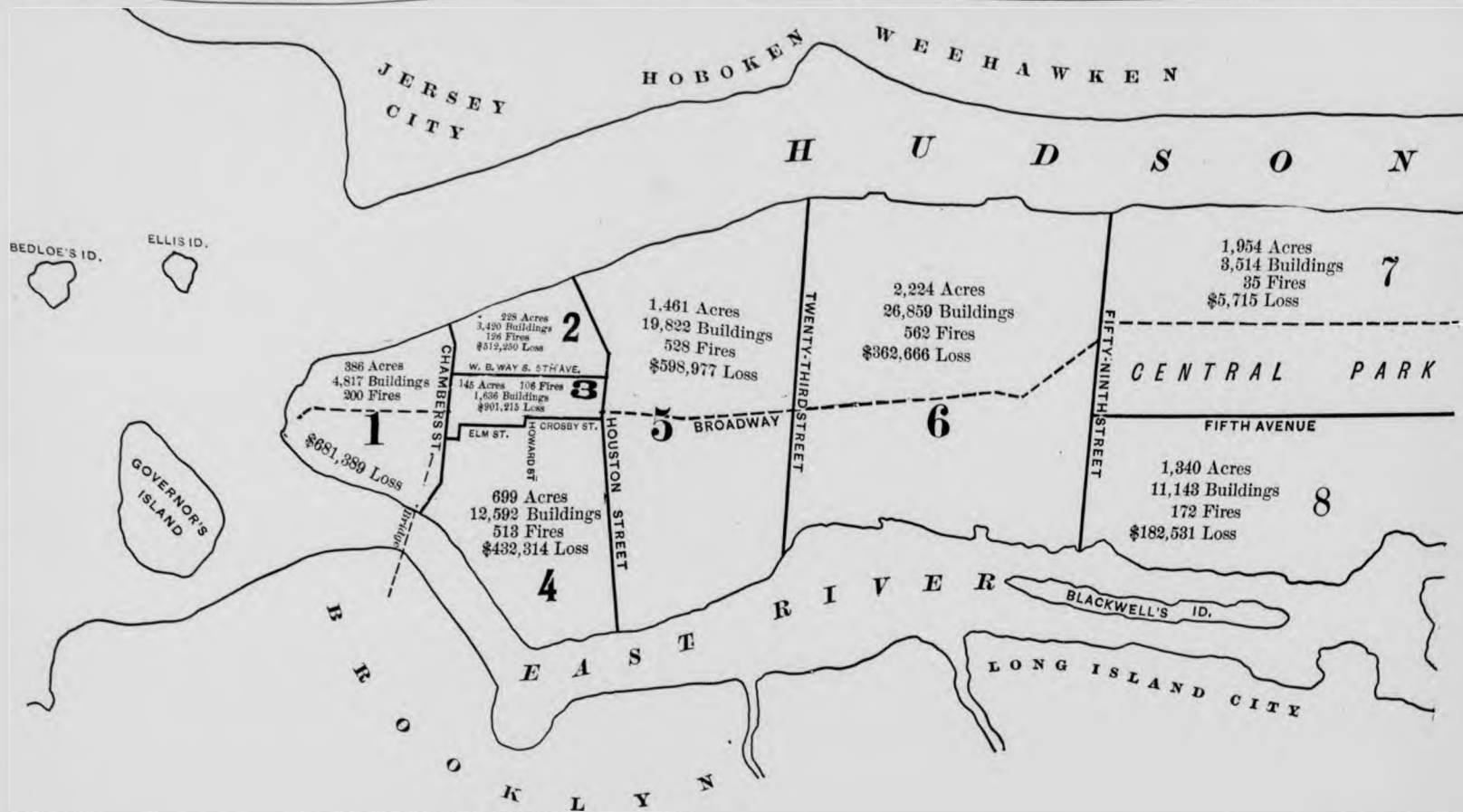
To a less extent the same cause operates to make a smaller apparent gain in the number of buildings in the districts north of Fifty-ninth street, while in the Eleventh District a large number of buildings standing upon ground taken for new avenues and streets, or for widening old ones, were condemned and demolished.

Attention is especially invited to the large increase of buildings of the so-called fire-proof class, from 136, in 1883, to 522, in 1885.

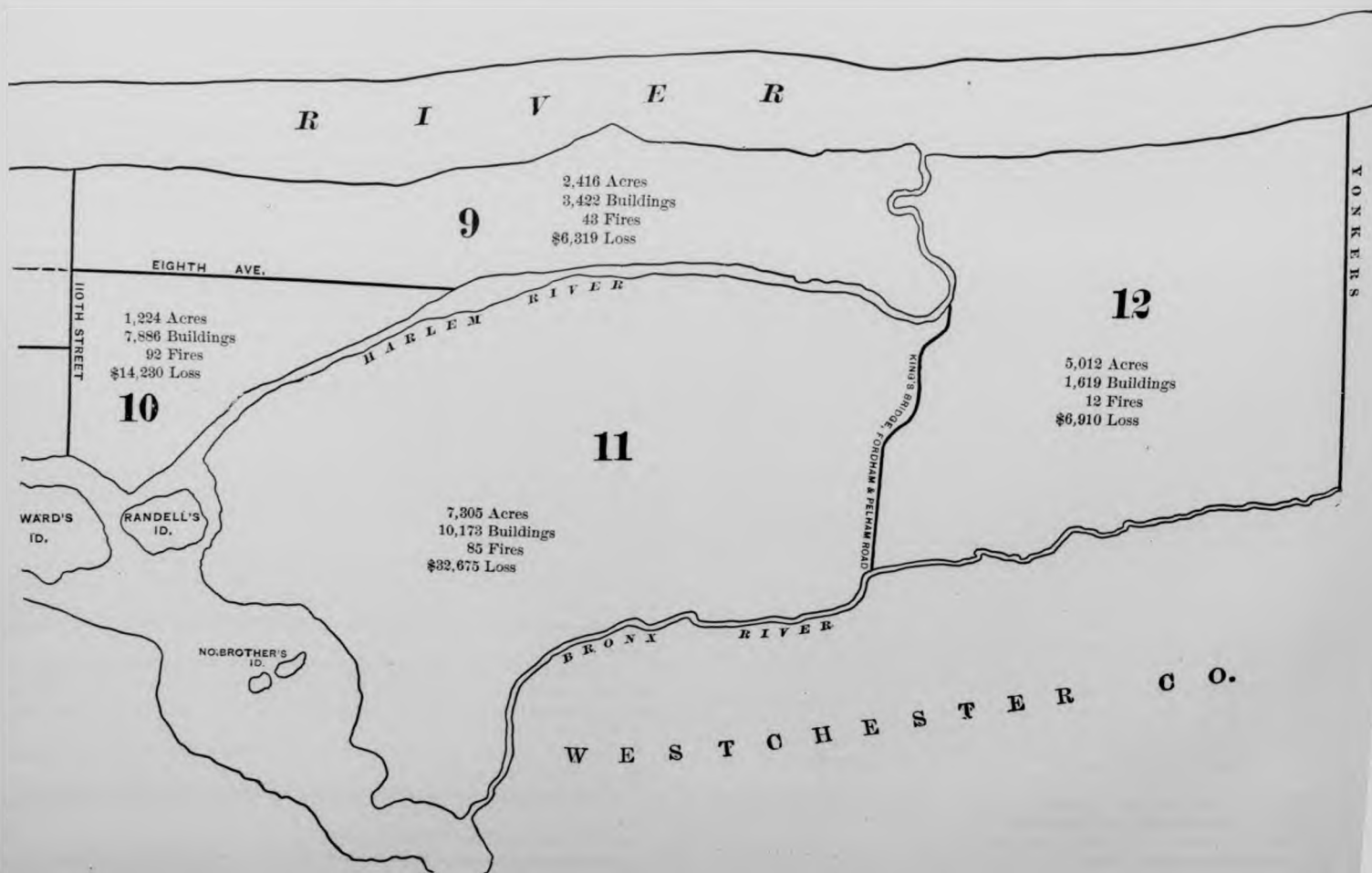
The last enumeration also shows a large increase of buildings more than four stories in height, to wit:

In 1883, 8,251; in 1885, 14,199; gain, 5,948.

The subjoined outline map shows the boundaries and area of and the number of buildings in each district, as well as the number of fires (with amount of loss) occurring therein during the year:



NOTE.—The true positions of Bedloe's and Ellis Islands are considerably south and west of the locations given them for convenience on this map. The number of buildings on all of the islands is 450 and the number of fires was 5. Loss, \$32,082.



BUILDINGS USED FOR DWELLING PURPOSES EXCLUSIVELY.

MATERIALS BUILT OF—	OCCUPIED BY—	NUMBER OF STORIES ABOVE BASEMENT OR GROUND FLOOR.	LOCATION.	DISTRICT.													TOTAL.
				1st.	2d.	3d.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	13th.	
Built of brick, stone, iron, or other non-inflammable materials, except as to flooring, trimmings, doors, sashes, etc.	One family each	Four or less.....	On street .....	....	....	....	....	1	12	....	13	....	....	....	....	....	26
			In rear.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		More than four ...	On street.....	....	....	....	....	1	....	....	....	....	....	....	....	....	1
			In rear.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Total.....		....	....	....	....	1	13	....	13	....	....	....	....	....	27
	More than one family each..	Four or less.....	On street.....	....	....	....	....	....	18	....	3	....	....	....	....	....	21
			In rear.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		More than four...	On street.....	....	....	....	....	2	2	3	....	....	....	....	....	....	7
			In rear.....	....	....	....	2	....	....	....	....	....	....	....	....	....	2
		Total.....		....	....	....	2	2	20	3	3	....	....	....	....	....	30
Total.....		....	....	....	2	3	33	3	16	....	....	....	....	....	57		
Walls of brick, stone, iron, or other non-inflammable materials; floor-beams, partitions, stairways, etc., of wood or other inflammable materials	One family each.....	Four or less.....	On street.....	18	89	6	305	2,153	6,894	522	3,527	234	2,854	504	57	26	17,189
			In rear.....	15	10	2	81	62	15	9	10	....	....	7	....	....	211
		More than four ...	On street.....	2	....	....	8	376	258	61	6	....	....	....	1	....	712
			In rear.....	....	1	....	....	30	....	....	....	....	3	....	....	....	34
		Total.....		35	100	8	394	2,621	7,167	592	3,543	234	2,857	511	58	26	18,146
	More than one family each ..	Four or less.....	On street.....	41	557	8	1,357	4,166	4,165	285	1,770	122	1,307	297	1	5	14,081
			In rear.....	19	110	15	732	671	652	2	10	4	18	1	....	....	2,234
		More than four...	On street.....	11	51	2	408	909	1,301	136	444	14	98	....	....	....	3,374
			In rear.....	36	16	3	279	72	....	....	1	....	....	....	....	....	407
		Total.....		107	734	28	2,776	5,818	6,118	423	2,225	140	1,423	298	1	5	20,096
Total.....		142	834	36	3,170	8,439	13,285	1,015	5,768	374	4,280	809	59	31	38,242		
Built mainly of wood or other inflammable materials	One family each	Four or less	On street.....	35	16	....	77	45	320	494	928	929	954	3,423	505	44	7,771
			In rear.....	2	7	2	57	10	110	40	96	21	14	135	....	....	494
		More than four...	On street.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
			In rear.....	....	....	....	....	....	4	....	20	....	4	....	....	....	28
		Total.....		37	23	2	134	56	434	534	1,044	950	972	3,558	505	44	8,293
	More than one family each ..	Four or less.....	On street.....	6	187	3	403	294	527	217	207	222	334	1,192	287	4	3,883
			In rear.....	4	32	7	141	160	345	37	20	15	16	19	....	....	796
		More than four ...	On street.....	....	....	....	....	....	2	....	69	....	....	....	....	....	71
			In rear.....	....	....	....	2	....	1	....	....	....	....	....	....	....	3
		Total.....		10	219	10	546	454	875	254	296	237	350	1,211	287	4	4,753
Total.....		47	242	12	680	510	1,309	768	1,340	1,187	1,322	4,769	792	48	13,046		
Aggregate.....				189	1,076	48	3,852	8,952	14,627	1,806	7,124	1,561	5,602	5,578	851	79	51,345

BUILDINGS USED PRINCIPALLY FOR DWELLINGS, AND PARTLY FOR BUSINESS AND OTHER PURPOSES.

MATERIALS BUILT OF—	OCCUPIED BY—	NUMBER OF STORIES ABOVE BASEMENT OR GROUND FLOOR.	LOCATION.	DISTRICT.													TOTAL.
				1st.	2d.	3d.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	13th.	
Built of brick, stone, iron, or other non-inflammable materials, except as to flooring, trimmings, doors, sashes, etc.....	One family each.....	Four or less.....	On street.....	3	..	..	..	..	..	..	..	..	..	9	..	..	12
			In rear.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		More than four ...	On street.....	2	..	..	..	..	..	..	..	..	..	..	..	..	2
			In rear.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Total.....		5	..	..	..	..	..	..	..	..	..	9	..	..	14
	More than one family each..	Four or less.....	On street.....	..	..	..	..	..	..	..	3	..	..	13	..	..	..
			In rear.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		More than four...	On street.....	..	..	..	..	1	..	..	..	..	1	..	..	..	2
			In rear.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Total.....		..	..	..	..	1	..	..	3	..	1	13	..	..	18
	Total.....		5	..	..	..	1	..	..	..	3	..	1	22	..	..	32
Walls of brick, stone, iron, or other non-inflammable materials; floor-beams, partitions, stairways, etc., of wood or other inflammable materials.....	One family each.....	Four or less.....	On street.....	94	115	69	610	515	432	58	60	40	49	83	17	..	2,142
			In rear.....	..	2	4	15	15	18	14	2	..	..	..	..	..	70
		More than four...	On street.....	15	1	2	11	70	1	..	..	..	..	..	..	..	100
			In rear.....	..	..	..	2	..	..	..	..	..	..	..	..	..	2
		Total.....		109	118	75	638	600	451	72	62	40	49	83	17	..	2,314

MATERIALS BUILT OF—	OCCUPIED BY—	NUMBER OF STORIES ABOVE BASEMENT OR GROUND FLOOR.	LOCATION.	DISTRICT.													TOTAL.
				1st.	2d.	3d.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	13th.	
Walls of brick, stone, iron, or other non-inflammable materials; floor-beams, partitions, stairways, etc., of wood or other inflammable materials.....	More than one family each..	Four or less.....	On street....	173	828	91	2,685	4,116	4,803	188	2,038	98	878	180	..	48	16,126
			In rear.....	5	14	..	16	118	74	3	5	..	..	..	..	..	235
		More than four....	On street....	124	210	43	1,692	1,247	887	65	102	33	77	3	..	14	4,498
			In rear.....	42	..	..	6	8	..	..	..	..	..	..	..	..	56
		Total.....		344	1,052	134	4,399	5,489	5,764	257	2,145	131	955	183	..	62	20,915
		Total.....		453	1,170	209	5,037	6,089	6,215	329	2,207	171	1,004	266	17	62	23,229
	One family each.....	Four or less.....	On street....	..	41	9	224	65	131	88	85	49	129	659	41	24	1,545
			In rear.....	..	..	..	11	..	5	17	..	..	1	36	..	..	70
		More than four....	On street....	..	..	2	..	..	..	..	..	..	..	25	..	..	27
			In rear.....	..	..	1	..	1	1	..	..	..	..	..	..	..	3
Total.....		..	41	12	235	66	137	105	85	49	130	720	41	24	1,645		
Built mainly of wood or other inflammable materials.....	More than one family each..	Four or less.....	On street....	3	148	2	662	222	406	66	82	46	113	345	2	14	2,111
			In rear.....	..	4	..	9	5	10	36	..	2	1	..	..	..	67
		More than four....	On street....	..	..	..	1	..	5	..	..	..	..	..	..	..	6
			In rear.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total.....		3	152	2	672	227	421	102	82	48	114	345	2	14	2,184	
	Total.....		3	193	14	907	293	558	207	167	97	244	1,065	43	38	3,829	
Aggregate				461	1,363	223	5,944	6,383	6,273	536	2,377	268	1,249	1,353	60	100	27,090

BUILDINGS USED PRINCIPALLY FOR BUSINESS, ETC., AND PARTLY FOR DWELLING PURPOSES.

MATERIALS BUILT OF—	OCCUPIED BY—	NUMBER OF STORIES ABOVE BASEMENT OR GROUND FLOOR.	LOCATION.	DISTRICT.													TOTAL.	
				1st.	2d.	3d.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	13th.		
Built of brick, stone, iron, or other non-inflammable materials, except as to flooring, trimmings, doors, sashes, etc.....	One family each	Four or less.....	On street.....	..	..	..	..	..	..	..	14	..	..	8	..	..	22
			In rear .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		More than four...	On street.....
			In rear.....
		Total.....		14	8	22
	More than one family each...	Four or less.....	On street.....
			In rear
		More than four....	On street.....
			In rear
		Total.....	
	Total.....		14	8	22
Walls of brick, stone, iron, or other non-inflammable materials; floor-beams, partitions, stairways, etc., of wood or other inflammable materials.....	One family each	Four or less.....	On street.....	120	46	31	121	402	635	47	79	4	20	4	14	6	1,529	
			In rear.....	1	..	..	..	14	32	10	3	..	..	2	..	..	61
		More than four....	On street.....	3	1	25	10	..	1	40
			In rear.....	1	1
		Total.....		122	46	34	122	441	677	57	83	4	20	6	14	6	1,632	
	More than one family each..	Four or less.....	On street.....	132	21	17	21	106	36	1	33	1	..	..	5	13	386
			In rear.....	2	5	3	3	13
		More than four....	On street.....	101	2	5	1	57	14	..	3	..	1	..	..	5	189
			In rear.....	5	5
		Total.....		235	23	22	27	166	55	1	39	1	1	..	5	18	593	
	Total.....		357	69	56	149	607	732	58	122	5	21	6	19	24	2,225		
Built mainly of wood or other inflammable materials.....	One family each	Four or less.....	On street....	5	4	5	43	32	125	48	42	28	56	39	15	..	442	
			In rear.....	..	..	..	2	..	4	7	6	..	1	3	..	..	23
		More than four...	On street.....	..	..	..	..	..	..	..	..	..	..	1	..	..	1
			In rear.....	..	..	..	..	..	..	..	..	..	1	..	..	16	17
		Total.....		5	4	5	45	32	129	55	48	28	58	43	15	16	483	
	More than one family each..	Four or less.....	On street.....	..	6	1	4	12	13	34	4	..	11	1	..	..	86
			In rear.....	..	..	..	..	..	..	4	..	..	..	..	..	..	4
		More than four....	On street.....
			In rear.....
		Total.....		..	6	1	4	12	13	38	4	..	11	1	90
	Total.....		5	10	6	49	44	142	93	52	28	69	44	15	16	573		
Aggregate.....				352	79	62	198	651	874	151	188	33	90	58	34	40	2,820	

BUILDINGS USED EXCLUSIVELY FOR BUSINESS AND OTHER THAN DWELLING PURPOSES.

MATERIALS BUILT OF—	NUMBER OF STORIES ABOVE BASEMENT OR GROUND FLOOR.	LOCATION.	DISTRICT.													TOTAL.
			1st.	2d.	3d.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	13th.	
Built of brick, stone, iron, or other non-inflammable materials, except as to flooring, trimmings, doors, sashes, etc.....	Four or less.....	On street.....	5	....	....	18	175	17	9	5	4	6	3	....	....	242
		In rear.....	1	....	....	5	84	....	....	....	....	....	....	....	....	90
	More than four....	On street.....	58	2	1	....	15	2	1	....	....	....	....	....	....	79
		In rear.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Total.....		64	2	1	23	274	19	10	5	4	6	3	....	....	411
Walls of brick, stone, iron, or other non-inflammable materials; floor beams, partitions, stairways, etc., of wood or other inflammable materials.....	Four or less.....	On street.....	1,460	484	306	1,068	1,595	2,161	93	387	130	250	213	74	70	8,291
		In rear.....	52	61	8	300	544	402	46	46	10	27	41	....	....	1,537
	More than four....	On street.....	2,049	196	923	427	445	258	3	26	5	4	8	....	....	4,344
		In rear.....	15	....	2	31	2	13	....	....	....	....	....	....	....	68
	Total.....		3,576	741	1,239	1,826	2,586	2,839	142	459	145	281	262	74	70	14,210
Built mainly of wood or other inflammable materials.....	Four or less.....	On street.....	113	57	23	175	310	938	354	409	769	414	1,371	249	133	5,345
		In rear.....	2	15	10	201	280	306	412	346	398	73	826	10	....	2,879
	More than four....	On street.....	....	....	....	73	4	....	1	....	....	....	1	....	....	79
		In rear.....	....	....	....	41	....	....	....	....	....	....	....	....	....	41
	Total.....		115	72	33	490	594	1,244	777	775	1,167	487	2,198	259	133	8,344
Aggregate.....			3,755	815	1,273	2,339	3,454	4,102	929	1,239	1,316	774	2,463	333	203	22,995

DWELLINGS USED EXCLUSIVELY FOR BUSINESS AND OTHER THAN DWELLING PURPOSES.

Sheds, etc., not attached to Buildings used by same Occupants.

CONSTRUCTION.	LOCATION.	DISTRICT.													TOTAL.
		1st.	2d.	3d.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	13th.	
Built of—															
Brick, stone, and iron exclusively.....	On street.....	2	....	....	....	12	14	5	2	....	....	1	....	....	36
	In rear.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Brick, stone, iron and wood.....	On street.....	....	12	....	2	71	13	1	4	1	1	22	2	....	129
	In rear.....	5	7	....	7	10	6	....	7	1	....	5	....	....	48
Wood.....	On street.....	15	29	1	41	83	218	55	75	123	93	345	70	28	1,176
	In rear.....	28	39	29	209	206	232	31	127	119	77	348	269	....	1,714
Total.....		50	87	30	259	382	483	92	215	244	171	721	341	28	3,103

BRIDGES OVER STREAMS, CUTS, ETC.

CONSTRUCTION.	DISTRICT.													TOTAL.
	1st.	2d.	3d.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	13th.	
Stone, brick, iron frame, etc....	1	..	..	..	2	38	9	1	1	21	7	6	..	62
Wood.....	10	..	..	2	6	..	2	..	11	7	16	8	..	86
Total.....	11	..	..	2	8	38	11	1	12	28	23	14	..	148

PIERS.

	DISTRICT.													TOTAL.
	1st.	2d.	3d.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	13th.	
	61	11	..	34	43	50	9	31	10	22	11	7	17	306
Aggregate of Structures.	4,889	3,431	1,636	12,628	19,873	26,947	3,534	11,175	3,444	7,936	10,207	1,640	467	107,807

RECAPITULATION AS TO LOCATION OF BUILDINGS AND THE USES OF STRUCTURES.

DISTRICTS.	BUILDINGS USED FOR—							Business exclusively.	Total Buildings.	Sheds, etc.	Total buildings and Sheds.	OTHER STRUC- TURES.		Aggregate, all Structures.	DWELLINGS.		BUSINESS.	
	DWELLING PURPOSES.											Bridges.	Piers.		Four Stories or Less.	More than Four Stories.	Four Stories or Less.	More than Four Stories.
	Exclusively.		Principally.		Partly.		Total.											
	On Street.	In Rear.	On Street.	In Rear.	On Street.	In Rear.												
First.....	113	76	414	47	358	4	1,012	3,755	4,767	50	4,817	11	61	4,889	678	334	1,633	2,122
Second.....	900	176	1,343	20	79	..	2,518	815	3,333	87	3,420	..	11	3,431	2,237	281	617	198
Third.....	19	29	218	5	62	..	333	1,273	1,606	30	1,636	..	..	1,636	272	61	347	926
Fourth.....	2,558	1,294	5,835	59	191	7	9,994	2,339	12,333	259	12,592	2	34	12,628	7,581	2,413	1,767	572
Fifth.....	7,947	1,005	6,236	147	634	17	15,986	3,454	19,440	382	19,822	8	43	19,873	13,188	2,798	2,988	466
Sixth.....	13,500	1,127	6,665	108	833	41	22,274	4,102	26,376	483	26,859	38	50	26,947	19,782	2,492	3,824	278
Seventh.....	1,718	88	466	70	130	21	2,493	929	3,422	92	3,514	11	9	3,534	2,227	266	924	5
Eighth.....	6,967	157	2,370	7	176	12	9,689	1,239	10,928	215	11,143	1	31	11,175	9,043	646	1,213	26
Ninth.....	1,521	40	266	2	33	..	1,862	1,316	3,178	244	3,422	12	10	3,444	1,815	47	1,311	5
Tenth.....	5,547	55	1,247	2	88	2	6,941	774	7,715	171	7,886	28	22	7,936	6,756	185	770	4
Eleventh.....	5,416	162	1,317	36	53	5	6,989	2,463	9,452	721	10,173	23	11	10,207	6,960	29	2,454	9
Twelfth.....	851	..	60	..	34	..	945	333	1,278	341	1,619	14	7	1,640	944	1	333	..
Thirteenth.....	79	..	100	..	24	16	219	203	422	28	450	..	17	467	184	35	203	..
Total.....	47,136	4,209	26,587	503	2,695	125	81,255	22,995	104,250	3,103	107,353	148	306	107,807	71,667	9,588	18,384	4,611

RECAPITULATION OF DWELLINGS AS TO LOCATION AND NUMBER OF FAMILIES OCCUPYING THEM.

DISTRICTS.	BUILDINGS USED WHOLLY, PRINCIPALLY AND PARTLY FOR DWELLING PURPOSES.							AGGREGATE.
	ONE FAMILY EACH.			MORE THAN ONE FAMILY EACH.				
	On Street.	In Rear.	Total.	On Street.	In Rear.	Total.		
First.....	294	19	313	591	108	699	1,012	
Second.....	312	20	332	2,010	176	2,186	2,518	
Third.....	127	9	136	172	25	197	333	
Fourth.....	1,400	168	1,568	7,234	1,192	8,426	9,994	
Fifth.....	3,685	132	3,817	11,132	1,037	12,169	15,986	
Sixth.....	8,810	189	9,008	12,179	1,087	13,266	22,274	
Seventh.....	1,318	97	1,415	996	82	1,078	2,493	
Eighth.....	4,755	137	4,892	4,758	39	4,797	9,689	
Ninth.....	1,284	21	1,305	536	21	557	1,862	
Tenth.....	4,062	24	4,086	2,820	35	2,855	6,941	
Eleventh.....	4,755	183	4,938	2,031	20	2,051	6,989	
Twelfth.....	650	....	650	295	....	295	945
Thirteenth.....	100	16	116	103	....	103	219
Total	31,561	1,015	32,576	44,857	3,822	48,679	81,255	

RECAPITULATION OF BUILDINGS AS TO CONSTRUCTION, USES, AND HEIGHT (SHEDS, ETC., NOT INCLUDED).

DISTRICTS.	BRICK, STONE, IRON OR OTHER NON-INFLAMMABLE MATERIALS EXCLUSIVELY.								BRICK, STONE, IRON AND OTHER NON-INFLAMMABLE MATERIALS, AND WOOD, ETC.								WOOD AND OTHER INFLAMMABLE MATERIALS EXCLUSIVELY.								AGGREGATE.			
	Buildings used for Dwelling Purposes Exclusively.		Buildings used Principally for Dwelling and Partly for Business and Other Purposes.		Buildings used Principally for Business, etc., and Partly for Dwelling Purposes.		Buildings used Exclusively for Business and Other than Dwelling Purposes.		Buildings used for Dwelling Purposes Exclusively.		Buildings used Principally for Dwelling and Partly for Business and Other Purposes.		Buildings used Principally for Business, etc., and Partly for Dwelling Purposes.		Buildings used Exclusively for Business and Other than Dwelling Purposes.		Buildings used for Dwelling Purposes Exclusively.		Buildings used Principally for Dwelling and Partly for Business and Other Purposes.		Buildings used Principally for Business, etc., and Partly for Dwelling Purposes.		Buildings used Exclusively for Business and Other than Dwelling Purposes.					
	Four Stories or Less.	More than Four Stories.	Four Stories or Less.	More than Four Stories.	Four Stories or Less.	More than Four Stories.	Four Stories or Less.	More than Four Stories.	Four Stories or Less.	More than Four Stories.	Four Stories or Less.	More than Four Stories.	Four Stories or Less.	More than Four Stories.	Four Stories or Less.	More than Four Stories.	Four Stories or Less.	More than Four Stories.	Four Stories or Less.	More than Four Stories.	Four Stories or Less.	More than Four Stories.	Four Stories or Less.	More than Four Stories.		Four Stories or Less.	More than Four Stories.	
First.....	..	..	3	2	..	..	6	58	69	93	49	272	181	255	102	1,512	2,064	4,528	47	..	3	..	5	..	115	..	170	4,767
Second.....	..	..	..	..	..	..	..	2	2	766	68	959	211	67	2	545	196	2,814	242	..	193	..	10	..	72	..	517	3,333
Third.....	..	..	..	..	..	..	..	1	1	31	5	164	45	48	8	314	925	1,540	12	..	11	3	6	..	33	..	65	1,606
Fourth.....	..	2	..	..	..	..	23	..	25	2,475	695	3,326	1,711	147	2	1,368	458	10,182	678	2	906	1	49	..	376	114	2,126	12,333
Fifth.....	1	2	..	1	..	..	259	15	278	7,052	1,387	4,764	1,325	525	82	2,139	447	17,721	510	..	292	1	44	..	599	4	1,441	19,440
Sixth.....	30	3	..	..	..	..	17	2	52	11,726	1,559	5,327	888	703	29	2,563	276	23,071	1,302	7	552	6	142	..	1,244	..	3,253	26,376
Seventh.....	..	3	..	..	..	..	9	1	13	818	197	263	66	58	..	139	3	1,544	788	..	207	..	93	..	776	1	1,865	3,422
Eighth.....	16	..	3	..	14	..	5	..	38	5,317	451	2,105	102	118	4	433	26	8,556	1,251	89	167	..	52	..	775	..	2,334	10,928
Ninth.....	..	..	..	..	..	..	4	..	4	360	14	138	33	5	..	140	5	695	1,187	..	97	..	28	..	1,167	..	2,479	3,178
Tenth.....	..	..	..	..	1	..	6	..	7	4,179	101	927	77	20	1	277	4	5,586	1,318	4	244	..	68	1	487	..	2,122	7,715
Eleventh.....	..	..	22	..	8	..	3	..	33	809	..	263	3	6	..	254	8	1,343	4,769	..	1,040	25	43	1	2,197	1	8,076	9,452
Twelfth.....	..	..	..	..	..	..	..	..	..	58	1	17	..	19	..	74	..	169	792	..	43	..	15	..	259	..	1,109	1,278
Thirteenth.....	..	..	..	..	..	..	..	..	..	31	..	48	14	19	5	70	..	187	48	..	38	..	..	16	133	..	235	422
Total....	47	10	28	4	22	..	332	79	522	33,715	4,527	18,573	4,656	1,990	235	9,828	4,412	77,936	12,944	102	3,793	36	555	18	8,224	120	25,792	104,250

ATTORNEY TO THE DEPARTMENT.
Violations of Law Relating to Combustibles, etc.

NATURE OF VIOLATIONS.	FOR DISPOSITION.			DISPOSED OF.							
	Pending last report.	Received since.	Total.	BEFORE COMMENCEMENT OF LITIGATION.		AFTER COMMENCEMENT OF LITIGATION.					
				Recalled—Violations Removed.	Recalled for Other Reasons.	Violations Removed before Trial.	Judgment for Department.	Penalty Paid and Discontinued.	Dismissed.	Total.	Now Pending.
Chimney fires.....	..	27	27	..	..	..	1	1	12	14	1
Hoistways open after conclusion of business..	1	4	5	..	..	..	..	2	2	4	1
Total.....	1	31	32	..	..	..	1	3	14	18	2

Violations of Law Relating to Buildings.

NATURE OF VIOLATIONS.	FOR DISPOSITION.			DISPOSED OF.								Now Pending.
	Pending last report.	Received since.	Total.	BEFORE COMMENCEMENT OF LITIGATION.				AFTER COMMENCEMENT OF LITIGATION.				
				Recalled—Violations Removed.	Recalled for Other Reasons.	Violations Removed before Trial.	Violations Removed after Judgment.	Dismissed by Court.	Dismissed for Irregularity Insufficiency of Papers.	Total.		
Defective construction, materials, etc.....	101	590	691	314	19	153	15	13	39	553	138	
Erecting, altering or removing without permit or after disapproval.....	87	482	569	98	35	184	19	24	58	418	151	
Insufficient means of escape, fire-escapes, aisles obstructed, etc.....	17	1,523	1,540	298	267	477	57	19	147	1,259	281	
Unsafe buildings.....	2	53	55	..	1	18	5	..	7	31	24	
Total.....	207	2,648	2,855	710	322	832	96	56	245	2,261	594	

Miscellaneous Business.

NATURE.	PENDING LAST REPORT.	RECEIVED.	TOTAL.	DISPOSED OF.	NOW PENDING.
Opinions required.....	5	18	23	17	6
Agreements.....	..	2	2	2	..
Total.....	5	20	25	19	6

Claims for Damage to Department Property, etc.

AGAINST.	NATURE OF CLAIM.	AMOUNT.	DISPOSITION.
U. S. Illuminating Co.....	Damage to street fire-alarm boxes.....	\$125 00	Still pending.
Brush Electric Lighting Co.	Damage to street fire-alarm boxes.....	125 00	Still pending.
Harry Miner.....	{ Failure to keep fire-alarm box in working order at Eighth Avenue Theatre..... }	.....	{ Law complied with and action discontinued. }
".....	{ Failure to repair fire-alarm box in Peoples' Theatre..... }	.....	{ Law complied with and action discontinued. }
Henry D. S. Monroe.....	Failure to provide telegraphic communication..	.....	Premises vacated and action discontinued.

Received for Violation Combustible Laws.

As penalties and costs, chimney fire.....	\$6 50
As penalties, two open hoistways.....	100 00
Total.....	\$106 50

For Violation Building Laws.

Violation case No. 657 of 1883, in settlement of claim of Department for work done on premises south side of Seventy-seventh street, twenty feet west of Fourth avenue.....	\$150 00
Violation case No. 1032 of 1882, judgment.....	117 50
Violation cases Nos. 1030, 1031, 1033, 1034, and 1035 of 1882, costs.....	47 50
Violation case No. 815 of 1884, judgment.....	59 50
Violation case No. 70 of 1885, judgment.....	117 50
Violation case No. 568 of 1885, judgment.....	109 50
Fire-escape case No. 892 of 1876, judgment.....	80 24
Fire-escape cases Nos. 2570 to 2573 of 1884, costs.....	38 00
Fire-escape case No. 2371 of 1884, judgment.....	59 50
Fire-escape case No. 12 of 1885, judgment.....	59 50
Fire-escape case No. 1453 of 1885, judgment.....	59 50
Total.....	\$898 24

Paid as Required by Law—

April 24, 1885 (section 431, chapter 410, Laws of 1882)	\$50 00
July 1, 1885	395 24
August 1, 1885	38 00
October 1, 1885	286 50
December 1, 1885	59 50
24, " 431, "	56 50
31, " 515, "	119 00
	\$1,004 74

Cases against the Department.

NAME OF PLAINTIFF.	Pending last report.	Received.	NATURE OF ACTION.	HOW DISPOSED OF.	Now Pending.
The People ex rel. J. S. Craft.....	1	..	Certiorari to review removal...	Writ dismissed....	1
The People ex rel. E. W. Van Horn.....	1	..	Certiorari to review removal...	.....	1
The People ex rel. L. M. Harned.....	1	..	Certiorari to review removal...	.....	1
William Terhune.....	1	..	Claim for services.....	Discontinued.....	..
Albert P. Fuller.....	1	..	Claim for services as clerk.....	".....	..
The People ex rel. Wm. Dodge.....	1	..	Certiorari to review removal...	.....	1
Thomas O'Connor.....	1	..	Damages for personal injuries...	.....	1
Health Department.....	1	..	Application for injunction.....	Injunction granted..	..
The People ex rel. F. McGinley.....	1	..	Certiorari to review removal...	Writ dismissed....	..
Mary E. Pinckney, as administratrix.....	1	..	Damages for personal injuries...	.....	1
The People ex rel. R. L. Kent.....	1	..	Certiorari to review removal...	Writ dismissed....	..
James O'Brien.....	1	..	Damages for personal injuries...	.....	1
The People ex rel. T. L. Conklin.....	1	..	Certiorari to review removal...	.....	1
Edward G. Dumahaut vs. John R. Shields...	1	..	Claim for salary.....	.....	1
	10	4		6	8

FIRE ALARM TELEGRAPH.

RECEIVED AT HEADQUARTERS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
First alarms from street boxes..	174	172	164	176	146	135	149	94	117	102	127	157	1,713
" bell towers..	..	..	..	..	..	..	..	..	..	1	..	2	3
First alarms from Police Headquarters.....	2	..	..	2	..	..	..	..	1	..	..	..	5
First alarms from citizens (verbal).....	..	1	..	..	..	2	..	..	..	..	..	..	3
First alarms from Automatic Signal Telegraph Co.....	3	4	2	4	4	4	7	3	..	2	3	7	43
First alarms from Mutual District Co.....	3	2	2	3	3	1	1	1	1	1	1	1	20
Second alarms.....	12	19	10	14	6	7	7	4	9	3	4	7	102
Third alarms.....	8	13	4	5	4	5	4	2	5	2	6	2	60
Special calls for companies....	18	51	12	14	9	16	17	8	7	1	15	9	177
" water towers..	..	..	..	..	..	2	..	1	2	..	..	..	5
Special calls for increased water pressure.....	28	48	24	30	14	18	18	10	24	8	16	6	244
Special calls for Insurance Patrol.....	6	7	6	10	1	5	5	3	4	3	4	4	58
Special calls for ambulances...	25	20	16	21	22	28	40	55	33	20	21	15	316
Special building signals.....	1	3	2	2	1	..	2	2	2	1	1	1	19
Total alarms and calls.....	280	340	242	281	210	223	250	184	204	145	198	211	2,768
Messages transmitted.....	444	587	352	415	566	453	361	354	394	248	365	504	5,043
" received.....	660	692	549	620	674	565	566	428	476	356	535	627	6,748
Total messages.....	1,104	1,279	901	1,035	1,240	1,018	927	782	870	604	900	1,131	11,791
Notice of companies leaving quarters on verbal alarms..	90	75	79	84	74	65	88	54	51	67	63	90	880

Number of Fire Alarm Keys Issued.

To the Uniformed Force.....	922
To others in the Department.....	10
To the Police Department.....	3,000
To the Fire Insurance Patrol.....	135
To the District Telegraph Companies.....	75
To householders.....	2,475
To citizens.....	2,295
Total.....	8,912

There are seventy-eight (78) circuits, with an aggregate length of 1,057 miles of wire, strung upon 6,696 poles, and classified as follows:

- 44 signal box circuits.
- 8 alarm gong circuits.
- 4 combination circuits.
- 12 telephone circuits.
- 1 tower circuit.
- 9 special building circuits.

Of the 1,057 miles of wire, 110 miles connect the public school boxes, provided without expense to this Department; 44 miles connect other special building boxes, also without cost to this Department; nine hundred and seventy-two (972) signal boxes are in use, of which 654 are regular street boxes, and 26 are special building boxes, connected with city institutions, provided at the expense of this Department, and 161 special boxes connected with the public schools, and 131 special boxes connecting with places of amusement and other private buildings, all of which (292 boxes) are provided without expense to this Department.

All Department and other wires centering at Headquarters, and connected with the fire alarm telegraph, now enter the building through an underground system.

The overhead wires (as such) terminate at points averaging a block from this office, where they are connected to Waring cables, and continued thence underground to the switchboard within the building. There is also a continuous six-conductor cable from these Headquarters to the Headquarters of the Police Department, and others extending to the centre of Broadway, connecting there with the conduit of the Western Union Telegraph Company.

The working of this new feature of the system is admirable, and in case of a conflagration contiguous to Headquarters it would prove of great advantage.

The cost of this has been borne by the Standard Underground Cable Company, without obligation on the part of this Department further than to make such practical tests as are desirable, with privilege of purchase or discontinuance, at its option.

The conduit of the Western Union Telegraph Company above mentioned extends from Dey street through Broadway, Fourteenth street, Fifth avenue, Twenty-third street to Third avenue, and under the terms of their franchise one wire is furnished this Department without cost.

Additional facilities have been courteously furnished by that Company, and complete circuits have been established upon this route, extending from Headquarters south to Warren street, and north to Twenty-third street, and loops are being connected therewith through cables to the street boxes on this route, which are being transferred from the poles to the lamp-posts, the latter being so altered as to accommodate the boxes and at the same time afford light.

Forty additional keyless doors have been provided for street boxes, and are now being attached.

Twenty-four are now in position.

SANITARY STATISTICS OF THE UNIFORMED FORCE.

DURING THE YEARS—	INJURIES.		DISEASES.		AGGREGATE.	
	No. of Cases.	No. of Days Lost.	No. of Cases.	No. of Days Lost.	No. of Cases.	No. of Days Lost.
1877.....	59	1,813	144	1,170	203	2,983
1878.....	74	1,374	146	2,379	220	3,753
1879.....	153	2,670	205	2,086	358	4,756
1880.....	188	3,879	207	2,916	395	6,795
1881.....	166	3,391	238	4,138	404	7,529
1882.....	219	4,481	329	5,432	548	9,913
1883.....	207	3,601	516	7,785	723	11,386
1884.....	302	4,302	472	6,086	674	10,388
1885.....	216	5,290	504	9,363	720	14,653
Total.....	1,484	30,801	2,761	41,355	4,245	72,156

Examination of candidates for appointment to the Uniformed Force—

Number found qualified.....	54
Number found disqualified.....	36
Total.....	90

Deaths in the Uniformed Force.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF DEATH.	CAUSE.
Albert Collings.....	Fireman, 1st gr.	Engine Co. No. 31..	Apr. 14, 1876	Jan. 8	Apoplexy.
James P. Smith.....	" 2d gr.	" 17..	Dec. 11, 1882	Feb. 4	Killed at fire.
John Ryan.....	" 1st gr.	H. & L. Co. No. 2..	Jan. 16, 1871	" 17	Pneumonia
Wm. D. Bliss.....	" 2d gr.	" 5..	Dec. 24, 1883	Mar. 31	"
George J. Florence.....	" 1st gr.	Engine Co. No. 49..	Oct. 2, 1865	May 2	"
Frank King.....	Foreman.....	" 13..	Jan. 14, 1868	" 11	Bright's disease.
Noah A. Stancilffe....	Fireman, 1st gr.	" 34..	Nov. 21, 1881	June 6	Phthisis.
Michael Daily.....	" 1st gr.	H. & L. Co. No. 14..	Mar. 1, 1873	Aug. 19	Heart disease.
Thomas Dunleavy.....	" 3d gr.	Engine Co. No. 29..	" 10, 1884	" 25	Result of injuries at fire.
John Ennis.....	" 1st gr.	" 8..	Feb. 7, 1873	" 30	Killed at fire.
Dennis McDonald.....	" 1st gr.	" 12..	Mar. 7, 1881	Oct. 4	Phthisis.
John Shea.....	" 2d gr.	H. & L. Co. No. 13..	May 24, 1882	Dec. 15	Typhoid fever.
Hugh J. Golden.....	Foreman.....	Engine Co. No. 52..	Feb. 1, 1874	" 16	Heart disease.
William Bullough.....	Fireman, 1st gr.	" 19..	Sept. 18, 1865	" 20	"

Retired from all Service During the Year.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF RETIREMENT.	CAUSE.
Matthew D. Conry.....	Assistant Foreman....	Engine No. 47	Sept. 1, 1872	Sept. 3..	Paralysis.
Albert Stillwell.....	Engineer.....	" 5	Dec. 22, 1871	" 3..	Rheumatism.
Paul Schuck.....	Fireman.....	" 40	Nov. 26, 1866	" 3..	General debility.
Henry Springsteen.....	".....	" 19	Mar. 1, 1869	" 3..	Bright's Disease.
David H. Soden.....	".....	" 11	Feb. 1, 1874	" 3..	Rheumatism.
James McManus.....	".....	H. and L. Co. 3	Oct. 21, 1870	" 3..	"

Deaths among those Retired from all Service.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF RETIREMENT.	CAUSE OF RETIREMENT.	DATE OF DEATH.	CAUSE OF DEATH.
Clinton McDonald..	Foreman....	Engine 43	Sept. 14, 1865	May 20, 1884	{ Chronic Rheuma- (tism.....)	Jan. 29	{ Heart dis- ease.
Frederick Lord.....	Fireman....	H. & L. 13	May 11, 1866	Feb. 1, 1878	{ Phthisis.....	June 24	{ Cancer of stomach.
James Scott.....	{ Asst. En- gineer.....	Engine 18	" 20, 1868	" 7, 1884	{ Softening (of Brain.) Chronic	Aug. 21	Paralysis.
Thomas Reilly.....	Fireman....	H. & L. 6	Feb. 1, 1873	Sept. 6, 1883	{ Rheuma- (tism.....)	Nov. 20	{ Cancer of mouth.
Matthew D. Conry..	{ Assistant { Foreman....	Engine 47	Sept. 1, 1882	" 3, 1885	{ Paralysis....	" 8	Paralysis.
John McKowen.....	Fireman....	H. & L. 8	" 8, 1865	May 5, 1881	Phthisis....	Dec. 26	Phthisis.

Deaths among those Relieved from Service at Fires.

NAME.	GRADE.	DATE OF APPOINTMENT.	WHEN RELIEVED.	CAUSE.	DATE OF DEATH.	CAUSE.
Gilbert J. Orr.....	Chief of Battalion...	Sept. 7, 1865	Nov. 1, 1881	Hemorrhoids...	Mar. 9	Phthisis.

APPARATUS.

Two engines (see "description of steam fire-engines" in another part of this report) and one water-tower were purchased under contracts, and one hose tender (four-wheeled) and twenty-two fire extinguishers were also purchased.

Old Apparatus Sold.

One hand-engine and four aerial ladder trucks.

Repairs to Apparatus under Contract.

One steam fire-engine, new boiler and general repairs, and the contract for providing another engine with new boiler, etc., was executed.

REPAIR SHOPS.

Manufactured.

2 fuel wagons and one Chief of Battalion wagon.

Rebuilt.

4 hook and ladder trucks.
5 two-wheeled hose tenders.
2 four-wheeled hose tenders.
2 fuel wagons
13 Chief of Battalion wagons and buggies.
1 water-tower.

Extensive Repairs.

32 to steam fire-engines.
2 to floating engines.
15 to hose tenders.
7 to hook and ladder trucks.
11 to water-towers.

Ordinary Repairs.

159 to steam fire-engines.
68 to hose tenders.
51 to hook and ladder trucks.
87 to various wagons.
And a large amount of miscellaneous repairing and painting.
Seven hook and ladder trucks were equipped with fifty feet extension ladders.
Sliding-poles have been placed in various company quarters.
Tenders have been provided with attachments to carry scaling ladders, which, it is expected, will be found of considerable value in the event of the companies arriving at a fire in advance of a truck company. The attachments will be placed on all the four-wheeled tenders of the Department as rapidly as possible.

The equipping of the various companies with patent swinging harness has been completed, and every company throughout the Department is now provided with the same. Engine 31 and Hook and Ladder 10 have been provided with drawing rig for three horses abreast, which will be found particularly advantageous during periods of heavy falls of snow.

The apparatus of the Department has been put in good condition for the winter's work.

Inventory of Apparatus.

	IN SERVICE.	SPARE.	TOTAL.
Marine steam fire-engines (Engine Companies No. 43 and 51).....	2	..	2
First size.....	8	11	19
Second size.....	33	8	40
Steam fire-engines.....	6	2	8
Third size.....	15	..	15
Fourth size.....	3	..	3
Hose-tenders, four-wheeled.....	25	2	27
Hose-tenders, two-wheeled.....	36	8	44
Water-towers.....	3	..	3
Roller-frame, with extension ladder.....	22	2	24
Hook and ladder trucks.....	5	2	7
Goose-neck, without extension ladder.....	..	1	1
Roller-frame, without ladders.....	..	1	1
Chemical fire-engines.....	..	10	10
Fuel wagons.....	16	1	17
Wrecking truck.....	1	..	1
Chemical fire-extinguishers.....	156	..	156
Hand-engines.....	..	4	4
Hose carriages.....	..	2	2
Hose jumpers.....	..	14	14
Supply wagon.....	1	..	1
Chief of Battalion wagons.....	12	2	14

Inventory of Hose.

	SIZE.	NUMBER OF FEET.
Combination rubber.....	2½ inch.	83,850
Cotton, rubber lined.....	2½ "	67,342
Linen.....	2½ "	1,400
Combination rubber.....	3½ "	5,788
".....	4 "	123
".....	6 "	100
Cotton, rubber lined.....	3½ "	1,080
Total.....		159,593

Description of Steam Fire Engines—Classified.

Size.	STYLE OF—			SIZE IN INCHES OF—			Weight with Water.	When first placed in service.	MANUFACTURER'S—		ENGINE COMPANY NOW USING.
	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.			Name.	Number.	
1	Barrel tank....	Tubular...	Double	8	12	4½	8,800	Sept., 1865	Amoskeag.....	142	Spare
1	"	Drop tube.	"	8	12	4½	8,800	Sept., 1865	"	143	"
1	"	"	"	8	12	4½	8,800	Sept., 1866	"	191	"
1	"	Tubular...	"	8	12	4½	8,800	Sept., 1866	"	192	"
1	"	Drop tube.	"	8	12	4½	8,800	Oct., 1866	"	193	"
1	"	"	"	8	12	4½	8,800	Nov., 1866	"	195	"
1	Straight frame.	"	"	8½	8	4½	9,600	Oct., 1872	"	284	"
1	Self-propeller..	Tubular...	"	7½	8	4½	9,600	Sept., 1874	"	491	"
1	"	"	"	7½	8	4½	9,600	Oct., 1874	"	492	"
1	"	"	"	7½	8	4½	9,600	Sept., 1874	"	493	"
1	*Crane neck....	Drop tube.	"	7½	8	4½	9,600	Sept., 1874	"	494	No. 13
1	"	"	"	7½	8	4½	7,320	Mar., 1879	Clapp & Jones.	527	Spare.
1	"	Coil.....	"	7½	8	4½	7,575	Sept., 1880	Ahrens.....	252	No. 13
1	"	Drop tube.	"	8	7	4½	7,450	Oct., 1880	Clapp & Jones.	351	33
1	"	"	"	8	7	4½	7,450	Nov., 1880	"	352	7
1	"	"	"	8½	7	5	7,890	June, 1882	"	380	14
1	"	"	"	8½	7	5	7,890	July, 1882	"	381	1
1	"	"	"	8½	7	5	7,890	Aug., 1882	"	383	19
1	"	"	"	8½	7	5	7,890	Sept., 1882	"	385	4
2	U tank.....	Tubular...	Single.	8	12	4½	6,750	Dec., 1860	Amoskeag.....	19	Ward's Isl'd.
2	"	"	"	8	12	4½	6,750	Oct., 1865	"	147	No. 26
2	"	"	"	8	12	4½	6,750	Nov., 1865	"	148	Spare.
2	"	"	"	8	12	4½	6,750	Dec., 1865	"	157	"
2	"	"	"	8	12	4½	6,750	Dec., 1865	"	158	No. 54
2	"	"	"	8	12	4½	6,750	Jan., 1866	"	159	34
2	"	"	"	8	12	4½	6,750	Jan., 1866	"	160	12
2	"	"	"	8	12	4½	6,750	Feb., 1866	"	161	Spare.
2	"	"	"	8	12	4½	6,750	Feb., 1866	"	162	"
2	"	Drop tube.	"	8	12	4½	6,750	Mar., 1866	"	163	"
2	"	Tubular...	"	8	12	4½	6,750	April, 1866	"	164	"
2	"	"	"	8	12	4½	6,750	April, 1866	"	165	No. 16
2	"	"	"	8	12	4½	6,750	Aug., 1866	"	166	Spare.
2	Harp tank.....	"	"	8	12	4½	6,050	May, 1865	"	132	No. 36
2	Straight frame.	"	Double	6½	8	4½	6,700	Mar., 1867	"	226	28
2	"	Drop tube.	"	6½	8	4½	6,700	Mar., 1867	"	227	31
2	"	"	"	6½	8	4½	6,700	Mar., 1867	"	228	21
2	"	"	"	6½	8	4½	6,700	April, 1867	"	229	25
2	"	"	"	6½	8	4½	6,700	May, 1867	"	230	5
2	"	"	"	6½	8	4½	6,700	Aug., 1868	"	293	23
2	"	Tubular...	"	6½	8	4½	6,700	Sept., 1868	"	296	16
2	"	"	"	6½	8	4½	6,700	Sept., 1868	"	301	Spare.
2	"	"	"	6½	8	4½	6,700	Nov., 1868	"	302	No. 24
2	Crane neck....	Drop tube.	"	6½	8	4½	6,800	Feb., 1871	"	359	27
2	"	Tubular...	"	6½	8	4½	6,800	Feb., 1871	"	360	15
2	"	Drop tube.	"	6½	8	4½	6,800	Mar., 1871	"	361	6
2	"	"	"	6½	8	4½	6,800	Mar., 1871	"	362	30
2	"	"	"	6½	8	4½	6,800	Mar., 1871	"	363	11
2	"	Tubular...	"	6½	8	4½	6,950	June, 1873	"	437	8
2	"	Drop tube.	"	6½	8	4½	6,950	June, 1873	"	438	9
2	"	"	"	6½	8	4½	6,950	July, 1873	"	439	12
2	"	Tubular...	"	6½	8	4½	6,950	Sept., 1873	"	440	29
2	"	Drop tube.	"	6½	8	4½	6,950	Sept., 1873	"	441	3
2	"	Tubular...	"	6½	8	4½	6,950	Sept., 1873	"	455	39
2	"	"	"	6½	8	4½	6,800	Nov., 1868	Gould.....	7	Ward's Isl'd.
2	"	Coil.....	"	6½	8	4½	6,210	July, 1883	Ahrens.....	358	No. 13
2	"	"	"	6½	8	4½	6,210	July, 1883	"	360	20
2	"	Drop tube.	"	7½	7	4½	6,550	July, 1883	Clapp & Jones.	413	32
2	"	"	"	7½	7	4½	6,485	Aug., 1883	"	415	27
2	"	"	"	7½	7	4½	6,885	July, 1885	"	463	31
3	Harp tank.....	"	Single.	7½	9½	4½	5,550	May, 1861	Amoskeag.....	36	Spare.
3	"	Tubular...	"	7½	9	4½	5,700	Dec., 1876	"	516	"
3	"	"	"	7½	9	4½	5,700	Feb., 1877	"	517	No. 37
3	"	"	"	7½	9	4½	5,700	Feb., 1877	"	519	38
3	"	"	"	7½	9	4½	5,700	Feb., 1877	"	520	47
3	Straight frame.	Coil.....	"	8	7	5	4,665	July, 1883	Ahrens.....	354	45
3	"	"	"	8	7	5	4,665	July, 1883	"	356	42
3	Horizontal....	Tubular...	"	..	..	..	..	Aug., 1865	Clapp .....	..	Randall's Island.
4	Crane neck....	Drop tube.	"	9½	6	5½	5,750	June, 1881	Clapp & Jones.	359	No. 10
4	"	"	"	9½	6	5½	5,750	June, 1881	"	362	44
4	"	"	"	9½	6	5½	5,750	July, 1881	"	365	53
4	"	"	"	9½	6	5½	5,300	Oct., 1881	"	368	33
4	"	"	"	9½	6	5½	5,300	Oct., 1881	"	370	40
4	"	"	"	9½	6	5½	5,300	Nov., 1881	"	371	49
4	"	"	"	9½	6	5½	5,300	Dec., 1881	"	375	41
4	"	"	"	9½	6	5½	5,900	April, 1884	"	430	18

*Altered from self-propeller.

Size.	STYLE OF—			SIZE IN INCHES OF—			When first placed in service.	MANUFACTURER'S—		ENGINE COMPANY NOW USING.
	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.		Name.	Number.	
4	Crane neck....	Drop tube.	Single.	9 1/4	6	5 1/2	April, 1884	Clapp & Jones.	432	No. 22
4	"	"	"	9 1/4	6	5 1/2	May, 1884	"	433	5
4	"	"	"	9 1/4	6	5 1/2	May, 1884	"	434	2
4	"	"	"	9 1/4	6	5 1/2	May, 1884	"	436	26
4	"	"	"	9 1/4	6	5 1/2	June, 1884	"	438	35
4	Straight frame.	"	"	9 1/4	6	5 1/2	July, 1883	"	409	48
4	"	"	"	9 1/4	6	5 1/2	Aug., 1883	"	417	46
5	"	"	"	7 1/2	6	4 3/4	Nov., 1882	"	397	50
5	Crane neck....	"	"	7 1/2	6	4 3/4	Nov., 1884	"	452	52
1	Marine engine.	Tubular...	Double	{ 11 12 5 ... }	{ 11 12 5 ... }	{ ... }	May, 1875	Amoskeag...	{ 513 514 }	{ 43 }
1	"	"	"	{ 16 9 7 1/2 ... }	{ 16 9 7 1/2 ... }	{ ... }	April, 1883	Clapp & Jones	{ 405 406 }	{ 51 }

Description of Hook and Ladder Trucks—Classified.

No.	Size.	STYLE.	MANUFACTURER.	LONGEST LADDER.	WHERE USED.
3	1st	Roller frame..	Fire Ext'r Mfg. Co.....	73 feet extension.	Hook and Ladder 6, 9 and 15.
2	1st	"	Repair Shops.....	73 "	Hook and Ladder 8 and 10.
1	1st	"	Allerton Works.....	73 "	Hook and Ladder 9.
* 5	1st	"	Repair Shops.....	70 "	Hook and Ladder 2, 5, 11, 12 and 14.
6	1st	"	"	65 "	Hook and Ladder 1, 3, 4, 7 and 13, and one spare.
1	1st	"	Allerton Works.....	65 "	Spare.
1	1st	"	Babcock Mfg. Co.....	.....	Not used.
4	2d	"	Repair Shops.....	50 feet extension.	Engine 47, 48, 50, Hook and Ladder 17.
2	2d	"	Fire Ext'r Mfg. Co.....	50 "	Engine 38 and 39.
1	3d	Goose neck...	.....	43 "	Ward's Island.
1	3d	"	.....	40 "	Spare.
1	3d	"	.....	38 "	Hook and Ladder 5.
1	3d	"	.....	35 "	Engine 49.
2	3d	"	.....	30 "	Hook Ladder 19 and Randall's Island.
1	3d	"	.....	.....	Spare.

* One originally built by Hartshorne, New York.

HORSES.

Number of horses on hand December 31, 1884.....	302
Purchased since.....	41
Died.....	10
Sold.....	6
	16

Number on hand December 31, 1885..... 327

On Probation.

Received.....	*110
Accepted.....	41
Rejected.....	63
	104

Remaining on probation..... 6

* Nine of these were on probation at the close of the previous year.

NEW BUILDINGS.

A new building for quarters of Engine Company No. 45, on the north side of Tremont avenue, between the Southern Boulevard and Vyse street, was begun and completed during the year, and the company occupied it in December, vacating the old and dilapidated quarters on Division street, near Boston road. The building reported as in process of erection, in the report of 1884, for quarters of Hook and Ladder Company No. 15, in Old Slip, between Front and Water streets, was also finished and occupied by the company in December. Both of these houses, while having all the interior improvements of the best houses heretofore built, present, externally in style of architecture, a pleasing departure from the stereotyped appearance of the apparatus houses heretofore erected.

The building intended for quarters for a new company (Hook and Ladder No. 16), and for other departmental uses, on the north side of Sixty-seventh street, between Third and Lexington avenues, the erection of which was begun in 1884 (see report for that year), will soon be ready for occupancy by the company to be organized.

Adjoining this structure, upon the ground heretofore occupied by Engine Company No. 39, at No. 159 East Sixty-seventh street, the erection of a new building for that company, and for other departmental uses, was begun and is still in process, the company being meanwhile located temporarily at No. 439 East Sixty-eighth street, in a building leased for the purpose, with the sanction of the Sinking Fund Commissioners.

These buildings will, when completed, form one structure, to be used by the companies named, the Fire Alarm Telegraph, Life Saving Corps School of Instruction, Bureau of Inspection of Buildings, and possibly for Department Headquarters; and the two lots in rear, extending to Sixty-eighth street (assigned to the Department by the Sinking Fund Commissioners), will be used for drill and instruction, and are being graded for the purpose.

ALTERATIONS AND REPAIRS TO BUILDINGS.

Extensive alterations were made to the quarters of Engine Companies No. 2 and 25.

The Hospital Stables and the quarters of Engine Companies No. 7, 12, 33 and 36, and Hook and Ladder Company No. 1, were also altered.

Repairs of various kinds were made to Headquarters, Repair Shops, Training Stables, Mount Morris Bell-tower, Fuel Depot No. 1, and in the aggregate ninety-seven (97) to the quarters of the various companies.

STATEMENT NEW YORK FIRE DEPARTMENT LIFE INSURANCE FUND.

Dec. 31, 1884	Balance on hand.....	\$8,561 55
Dec. 31, 1885	Receipts:	
	For assessments.....	\$12,984 00
	" interest on deposits.....	129 93
		13,113 93
Dec. 31, 1885	Disbursements:	\$21,675 48
	To administratrix of Albert Collings.....	\$1,000 00
	" James P. Smith.....	1,000 00
	To widow of John Ryan.....	1,000 00
	" Clinton McDonald.....	1,000 00
	" Gilbert J. Orr.....	1,000 00
	" William D. Bliss.....	1,000 00
	" George J. Florence.....	1,000 00
	" Frank King.....	1,000 00
	" Frederick Lord.....	1,000 00
	" Noah A. Stanchiffe.....	1,000 00
	" Thomas Dunleavy.....	1,000 00
	" Michael Daily.....	1,000 00
	" James Scott.....	1,000 00
	" John Ennis.....	1,000 00
	To administratrix of Dennis McDonald.....	1,000 00
	To widow of Mathew D. Conry.....	1,000 00
	To administratrix of John Shea.....	1,000 00
	To widow of Thomas Reilly.....	1,000 00
	" William Bullough.....	1,000 00
		19,000 00
	Balance.....	\$2,675 48

RECEIPTS AND DISBURSEMENTS OF THE NEW YORK FIRE DEPARTMENT LIFE INSURANCE FUND, 1871-1885.

Receipts.	
1871.....	\$5,040 00
1872.....	7,773 00
1873.....	8,789 00
1874.....	6,395 00
.....	12,508 00
1876.....	11,074 00
1877.....	8,965 00
1878.....	9,241 00
1879.....	9,293 00
1880.....	9,640 00
1881.....	10,333 47
1882.....	10,917 34
1883.....	11,747 15
1884.....	12,845 59
1885.....	13,113 93
Total receipts.....	\$147,675 48

Disbursements.	
1871.....	\$5,000 00
1872.....	6,000 00
1873.....	9,000 00
1874.....	5,000 00
1875.....	14,000 00
1876.....	8,000 00
1877.....	8,000 00
1878.....	3,000 00
1879.....	9,000 00
1880.....	12,000 00
1881.....	10,000 00
1882.....	15,000 00
1883.....	9,000 00
1884.....	13,000 00
1885.....	19,000 00
Total disbursements.....	145,000 00
Balance on hand December 31, 1885.....	\$2,675 48

BUILDINGS OCCUPIED BY OR UNDER THE CONTROL OF THE DEPARTMENT.

Headquarters—Office of Commissioners, Bureau—Chief of Department, Inspector of Combustibles, Fire Marshal and Inspector of Buildings, and offices of Attorney, Fire Alarm Telegraph, and Medical Officers, Nos. 155 and 157 Mercer street.

Repair Shops, Nos. 130 and 132 West Third street.

Hospital Stables, Ninety-ninth street, between Ninth and Tenth avenues, assigned to this Department by the Sinking Fund Commissioners November 4, 1885.

Training Stables, No. 38 Lawrence street.

Bell-tower and Lookout, Mount Morris Square.

Bell-tower and Lookout, Fulton avenue, between One Hundred and Sixty-seventh and One Hundred and Sixty-eighth streets, rear of quarters of Engine Company No. 42.

Lookout, southwest corner of Tenth street and Sixth avenue, Jefferson Market Court-house.

Engine Company No. 1, No. 165 West Twenty-ninth street.

" 2, No. 530 West Forty-third street.

" 3, No. 417 West Seventeenth street.

" 4, No. 39 Liberty street.

" 5, No. 340 East Fourteenth street.

" 6, No. 100 Cedar street.

" 7, No. 22 Chambers street. †

" 8, No. 165 East Fifty-first street.

" 9, No. 55 East Broadway.

" 10, No. 8 Stone street.

Engine Company No. 11, No. 437 East Houston street.
" 12, No. 261 William street.
" 13, No. 99 Wooster street.
" 14, No. 14 East Eighteenth street.
" 15, No. 269 Henry street.
" 16, No. 223 East Twenty-fifth street.
" 17, No. 91 Ludlow street.
" 18, No. 132 West Tenth street. (Fuel Depot No. 4.)
" 19, No. 355 West Twenty-fifth street. (Fuel Depot No. 12.)
" 20, No. 47 Marion street.
" 21, No. 216 East Fortieth street.
" 22, No. 159 East Eighty-fifth street. (Fuel Depot No. 14.)
" 23, No. 235 West Fifty-eighth street.
" 24, No. 78 Morton street. (Fuel Depot No. 14.)
" 25, No. 342 Fifth street.
" 26, No. 220 West Thirty-seventh street.
" 27, No. 173 Franklin street.
" 28, No. 604 East Eleventh street.
" 29, No. 103 Fulton street.
" 30, No. 253 Spring street.*
" 31, No. 116 Leonard street.
" 32, No. 108 John street.*
" 33, No. 15 Great Jones street.
" 34, No. 440 West Thirty-third street.
" 35, No. 223 East One Hundred and Nineteenth street.
" 36, No. 2333 Fourth avenue.
" 37, No. 83 Lawrence street.
" 38, Tenth avenue, between One Hundred and Fifty-fourth and One Hundred and Fifty-fifth streets.
" 39, No. 439 East Sixty-eighth street (temporary quarters).
" 40, Sixty-eighth street, between Tenth avenue and Boulevard.
" 41, No. 501 North Third avenue.||
" 42, Fulton avenue, between One Hundred and Sixty-seventh and One Hundred and Sixty-eighth streets.
" 43, (Floating engine), foot of Clinton street, East river.
" 44, No. 221 East Seventy-fifth street.
" 45, North side Tremont avenue, between Southern Boulevard and Vyse street.
" 46, Morris street, between Madison and Washington avenues.*
" 47, Tenth avenue, between Ninety-seventh and Ninety-eighth streets.
" 48, Thomas avenue, near Kingsbridge road.
" 49, Blackwell's Island.
" 50, One Hundred and Sixty-sixth street, between Washington and Third avenues.
" 51, (Floating engine), foot of West Thirteenth street.

Engine Company No. 52, Riverdale avenue, near junction of Westchester avenue.
" 53, No. 175 East One Hundred and Fourth street. (Fuel Depot No. 15.)
" 54, No. 304 West Forty-seventh street. (Fuel Depot No. 5.)
Hook and Ladder Company No. 1, No. 26 Chambers street.†
" 2, No. 126 East Fifthieth street. (Fuel Depot No. 13.)
" 3, No. 108 East Thirteenth street.
" 4, No. 788 Eighth avenue.
" 5, No. 96 Charles street.
" 6, No. 77 Canal street.
" 7, No. 217 East Twenty-eighth street.
" 8, No. 7 North Moore street.
" 9, No. 209 Elizabeth street.
" 10, No. 191 Fulton street.
" 11, No. 742 Fifth street.
" 12, No. 243 West Twentieth street.
" 13, No. 159 East Eighty-seventh street.
" 14, No. 120 East One Hundred and Twenty-fifth street.
" 15, Old Slip, between Water and Front streets.
" 17, One Hundred and Forty-third street, near Third avenue. (Fuel Depot No. 16.)
" 19, Ogden avenue, between Birch and Union streets.*
Fuel Depot No. 1, No. 5 Duane street.
" 2, No. 160 East Thirty-third street.||
" 3, No. 106 East Thirteenth street.
" 4, (see Engine Company No. 18).
" 5, (see Engine Company No. 2).
" 6, No. 84 Attorney street.
" 7, No. 28 Beaver street.†
" 8, No. 209 East One Hundred and Twenty-second street.
" 9, (see Engine Company No. 24).
" 10, No. 304 Washington street.
" 11, No. 173 Elm street (and store-house).
" 12, (see Engine Company No. 19).
" 13, (see Hook and Ladder Company No. 2).
" 14, (see Engine Company No. 22).
" 15, (see Engine Company No. 52).
" 16, (see Hook and Ladder Company No. 17).
Store-house, No. 20 Eldridge street.
" No. 180 Clinton street.
" No. 199 Chrysler street, also occupied by second section of Hook and Ladder Company No. 9.
" Division street, near Boston road.

The locations marked thus (*) are leased by the Department; all others are City property. The locations marked thus (†) are only in part occupied by the Department. At the locations marked thus (||) lots in rear or adjacent are leased by the Department.

RECEIPTS AND DISBURSEMENTS OF THE RELIEF FUND, 1871-1885.

Receipts.

FROM.	1871, 7 MONTHS.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	TOTALS.
Metropolitan Fire Department Relief Fund.....	\$7,340 07	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	\$7,340 07
Fines.....	646 51	\$621 64	\$843 31	\$734 79	\$972 31	\$597 15	\$489 46	\$568 98	\$568 03	\$1,068 89	\$868 80	\$1,304 55	\$1,066 33	\$1,703 23	\$2,005 84	14,930 02
Donations.....	.....	100 00	1,060 00	374 00	.....	100 00	.....	100 00	.....	.....	.....	100 00	.....	100 00	258 00	2,192 00
Penalties.....	.....	170 63	902 34	705 00	2,389 63	1,600 00	1,925 00	1,250 00	350 00	400 00	525 00	325 00	450 00	400 00	550 00	11,952 60
Oil licenses.....	26,230 00	27,528 50	30,399 50	31,827 50	29,454 50	27,285 00	30,103 00	29,750 00	30,300 00	29,760 00	31,180 00	31,270 03	32,720 00	35,270 00	36,550 00	459,628 00
Fireworks permits.....	495 00	509 00	537 00	522 75	519 25	645 50	472 25	332 75	355 00	363 50	409 25	440 75	462 75	513 50	583 75	7,162 00
Interest.....	275 55	1,999 86	4,258 91	9,298 22	10,410 44	11,795 22	17,210 91	15,493 90	18,680 49	22,140 20	22,885 58	23,468 10	20,347 85	24,764 43	20,567 30	223,596 00
Foreign insurance tax.....	.....	9,942 30	12,072 04	16,136 25	15,281 24	12,878 98	13,112 10	16,630 02	17,582 80	.....	.....	.....	.....	.....	.....	110,635 73
Powder licenses.....	.....	211 00	571 50	241 50	306 50	385 50	384 50	192 00	180 00	.....	186 00	188 00	198 00	190 00	168 00	3,580 50
Special permits.....	.....	.....	.....	.....	.....	.....	.....	258 00	274 00	328 00	370 00	366 00	722 00	872 00	806 00	3,996 00
Chimney fires.....	.....	245 00	440 00	375 00	355 00	245 00	260 00	240 00	180 00	290 00	305 00	320 00	360 00	325 00	441 50	4,381 50
Fires in street permits.....	.....	.....	.....	.....	.....	50	41 75	85 00	64 00	56 50	65 00	63 00	59 00	60 50	69 50	564 75
Sales—Seized combustibles.....	.....	.....	24 25	.....	.....	.....	.....	.....	6 30	10 00	63 25	35 37	.....	6 75	.....	145 92
Sales—Sample oils.....	.....	.....	.....	27 05	.....	.....	.....	10 00	.....	1 35	50 00	.....	.....	.....	.....	88 41
Excise licenses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18,397 00	18,397 00
Sales—Condemned horses, etc.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	513 90	513 90
Absences without leave.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	176 00	176 00
Special leaves.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,081 96	2,081 96
Totals.....	\$34,987 13	\$41,327 93	\$51,108 85	\$60,242 07	\$59,689 07	\$55,502 85	\$62,998 97	\$64,910 65	\$68,540 62	\$54,596 44	\$56,907 88	\$57,880 77	\$57,295 93	\$64,205 41	\$83,168 75	\$873,363 32

Disbursements.

FOR.	1871, 7 MONTHS.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	TOTALS.
Salaries.....	\$5,250 45	\$12,276 86	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	\$18,227 31
Expense account.....	905 97	1,460 54	\$1,223 09	\$1,569 70	\$1,292 96	\$1,745 23	\$2,106 54	\$2,014 49	\$1,075 23	\$18 50	\$20 00	\$38 50	\$19 25	\$26 85	.....	13,516 85
Pay of relieved men.....	.....	.....	.....	.....	.....	.....	.....	2,199 96	1,799 96	928 31	838 29	7,432 54	10,789 04	10,427 46	\$9,838 58	44,274 14
Pensions of retired men.....	.....	.....	.....	.....	.....	.....	.....	6,068 40	8,073 24	12,906 19	21,211 78	23,190 01	24,018 17	44,274 59	55,550 15	195,292 53
Pensions of widows and orphans.....	.....	.....	1,819 50	2,625 00	2,736 68	3,344 53	4,220 09	5,800 71	6,329 94	13,339 63	15,338 16	17,561 27	20,369 40	23,133 65	25,116 27	141,784 83
Totals.....	\$6,856 42	\$13,737 40	\$3,042 59	\$4,194 70	\$4,029 64	\$5,089 76	\$6,326 63	\$16,083 66	\$17,278 37	\$27,192 63	\$37,478 23	\$48,222 32	\$55,195 86	\$77,862 55	\$90,505 00	\$413,095 66

RECAPITULATION.

Receipts, June 1, 1871, to December 31, 1885.....	\$873,363 32
Disbursements, June 1, 1871, to December 31, 1885.....	413,095 66
Balance on hand December 31, 1885.....	460,267 66

It is with great satisfaction that the Commissioners feel warranted in stating that the discipline of the Department is good; that the personnel, apparatus, horses, hose, implements, houses, etc., are generally in good condition, and fully prepared for the work the Department may be called upon to perform during the ensuing year.

Very respectfully,
HENRY D. PURROY,
RICHARD CROKER,
ELWARD SMITH,
Commissioners.

CARL JUSSEN, Secretary.

FINANCE DEPARTMENT.

Abstract of the transactions of the Bureau of the City Chamberlain for the week ending January 30, 1886.

Hon. WM. R. GRACE, Mayor:

SIR—In pursuance of section 165 of the Consolidation Act of 1882, I have the honor to present herewith a report to January 30, 1886, of all moneys received by me and the amount of all warrants paid by me since January 23, 1886, and the amount remaining to the credit of the City on January 30, 1886.

Very respectfully,
WM. M. IVINS, Chamberlain.

DR. THE MAYOR, ALDERMEN AND COMMONALTY OF THE CITY OF NEW YORK, *in account with* WM. M. IVINS, *Chamberlain, during the week ending January 30, 1886.* CR.

1886. Jan. 30	To Additional Water Fund.....	4491 39	1886. Jan. 30	By Balance.....		\$4,554,216 22
	Armory Fund.....	10,242 00		Arrears of Taxes.....	Cady.....	\$39,359 95
	Assessment Commission—Awards.....	963 72		Interest on Taxes.....	".....	8,381 06
	Croton Water Fund.....	176 19		Interest on Assessments.....	".....	6,210 64
	Croton Water and Sewerage Account.....	5 10		Fund for Street and Park Openings.....	".....	5 64
	Commissioners of Excise Fund.....	113 88		Fund for Local Improvements.....	".....	23,643 10
	Dock Fund.....	6,650 55		Charges on Arrears of Taxes.....	".....	39 50
	Fund for Local Improvements.....	8,709 25		Charges on Arrears of Assessments.....	".....	7 00
	Morningside Park Improvement Fund.....	23,152 50		Gansevoort Market Fund.....	".....	5 00
	Restoring and Renewal—Department of Public Works.....	781 80		Land Drainage Fund.....	".....	10 00
	Refunding Taxes Paid in Error.....	433 43		Greenwich Street Railroad.....	Kelso.....	5,131 59
	Theatre Licenses.....	7,550 00		Taxes.....	McLean.....	119,330 40
		\$59,340 21		Interest on Taxes.....	".....	2,922 25
	Advertising.....	1886. 862 75		Water Meter Fund No. 2.....	".....	35 50
	Aqueduct—Repairs, Maintenance and Strengthening.....	1885. 4,959 41		Licenses.....	Byrnes.....	5,054 75
	Bronx River Bridges—Repairs and Maintenance.....	1886. 6 57		Permits.....	Wood.....	15 00
	City Enclosures.....	1886. 26 00		Dig License Fund.....	".....	262 00
	Contingencies—Comptroller's Office.....	1885. 30 98		Tapping Pipes.....	Chambers.....	91 50
	Contingencies—Department of Taxes and Assessments.....	" 21 95		Water Meter Fund No. 2.....	".....	440 13
	Contingencies—District Attorney's Office.....	" 155 19		Restoring and Repaving.....	Department of Public Works	213 00
	Contingencies—District Attorney's Office.....	1886. 242 00		Forbidden Recognizances.....	Martine.....	323 97
	Contingencies—District Attorney's Office.....	1885. 287 50		Dock Fund.....	Mathews.....	50 00
	Contingencies—Law Department.....	" 85 59		Dog License Fund.....	McMahon.....	31 00
	Contingencies—Law Department.....	" 52 44		General Fund.....	Comptroller.....	1 25
	Contingencies—Law Department.....	1886. 1,227 98		".....	Britton.....	121 50
	Contingencies—Mayor's Office.....	" 6 00		".....	Squire.....	237 50
	College of the City of New York.....	1884. 2,400 00		".....	Friedman.....	4 75
	College of the City of New York.....	1885. 76 49				214,242 98
	Cleaning Streets—Department of Street Cleaning.....	1884. 600 00				
	Cleaning Streets—Department of Street Cleaning.....	1885. 3,161 38				
	Children's Fold.....	1885. 4,088 86				
	Cromwell's Creek Bridges, etc.....	1885. 3 50				
	Civil Service of the City of New York.....	1885. 33 94				
	Election Expenses.....	1886. 38 00				
	Election Expenses.....	1885. 186 00				
	Drainage and Irrigation of the Central Park.....	1884. 1,000 00				
	Disbursements and Fees—County Officers and Witnesses.....	1885. 332 20				
	Free Floating Baths.....	" 38 25				
	For Procuring and Presenting Evidence Relative to Frauds, etc.....	1886. 2,018 80				
	For Deficiencies of 1885 and previous Years.....	" 668 20				
	For Burial of Honorably Discharged Soldiers, Sailors and Marines.....	" 245 00				
	Fire Department Fund—Apparatus.....	1885. 2,877 97				
	Hospital for the Care of Contagious Diseases.....	" 2,132 94				
	Interest on the City Debt—Before January, 1884.....	1884. 15 00				
	Interest on the City Debt—Before January, 1885.....	1885. 21,652 50				
	Judgments.....	" 360 75				
	Judgments.....	1886. 5,110 83				
	Lamps and Gas and Electric Lighting.....	1885. 531 50				
	Maintenance—Twenty-third and Twenty-fourth Wards.....	" 75 78				
	Maintenance—Twenty-third and Twenty-fourth Wards.....	1886. 678 92				
	Maintenance and Government of Parks and Places—Supplies.....	1885. 139 58				
	Maintenance and Government of Parks and Places—Supplies.....	1886. 7 68				
	Maintenance and Government of Parks and Places—Police.....	1885. 17 62				
	Maintenance and Government of Parks and Places—Zoological Department.....	" 29 37				
	New York Infant Asylum.....	" 5,392 43				
	Protestant Episcopal House of Mercy.....	" 267 02				
	Publication of the City Record.....	" 180 45				
	Public Buildings—Construction and Repairs.....	" 287 19				
	Public Charities and Correction—Supplies.....	1884. 2,207 90				
	Public Charities and Correction—Supplies.....	1884. 593 00				
	Public Charities and Correction—Supplies.....	1885. 10,908 27				
	Public Instruction.....	1884. 44 50				
	Public Instruction.....	1885. 10,873 83				
	Riverside Park and Avenue.....	" 53 50				
	Repairs and Renewal of Pavements, etc.....	" 13 15				
	Repairs and Renewal of Pipes, Stop-cocks, etc.....	1886. 189 00				
	Surveys, Maps and Plans.....	1885. 12 00				
	Sewers and Drains—Twenty-third and Twenty-fourth Wards.....	1886. 231 64				
	Sewers—Repairing and Cleaning.....	1885. 33 00				
	Supplies for and Cleaning Public Offices.....	" 939 44				
	Street Improvements—For Surveying, Monumenting and Numbering Streets.....	" 55 00				
	To Defray Expenses of Proceedings in Street Openings.....	" 416 66				
	Telephonic Service.....	1,000 00				
	Balance.....					
		89,340 10				
		4,619,778 89				
		\$4,768,459 20				

E. & O. E.

Jan. 30	By Balance.....	\$4,619,778 89
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NEW YORK, January 30, 1886.

WM. M. IVINS, Chamberlain.

THE COMMISSIONERS OF THE SINKING FUNDS OF THE CITY OF NEW YORK, *in account with* WM. M. IVINS, *Chamberlain, for and during the week ending* January 30, 1886.

				SINKING FUND FOR THE REDEMPTION OF THE CITY DEBT.		SINKING FUND FOR THE PAYMENT OF INTEREST ON THE CITY DEBT.	
				Dr.	Cr.	Dr.	Cr.
1886.	By Balance, as per last account current.....						
Jan. 23	Assessment Fund.....	Cady	\$1,577 20		\$1,007,663 70		\$851,793 35
" 30	Street Improvement Fund.....	"	19,704 87				
	West Farms Gas Tax.....		5 53				
	Licenses.....	Byrnes	83 00				
	Market Rent and Fees.....	Kelso	4,453 83				
	Dock and Slip Rent.....	Matthews	2,477 06				
	Street Vaults.....	Squire	501 00				
	Sinking Fund Redemption—Surplus Interest.....	Commissioners Sinking Fund	750,000 00				
	Commissioner of Jurors' Fines.....	Reilly	350 00				
					779,152 49		
	Croton Water Rent and Penalties.....	Chambers	\$42,132 99				
	Interest on West Farms Gas Tax.....	Cady	2 00				
	Croton Water Arrears and Interest.....	"	1,146 53				
	Croton Water Arrears.....	McLean	741 50				
	Court Fees and Fines.....	Sparks	\$15 00				
	Ferry Rent.....	Kelso	25,000 00				69,538 02
					\$168 75		
	To Sinking Fund Redemption.....				\$750,000 00		
	Interest.....				\$71,331 37		
	Balances.....				1,786,647 44		
				\$1,786,816 19	\$1,786,816 19	\$921,331 37	\$921,331 37
Jan. 30, 1886.	By Balances.....				\$1,786,647 44		\$171,331 37
	E. & O. E.						
	NEW YORK, January 30, 1886.						

WM. M. IVINS, Chamberl r.

3108. Regulating, grading, curbing and flagging One