

# THE CITY RECORD.

## OFFICIAL JOURNAL.

VOL. XV.

NEW YORK, TUESDAY, APRIL 19, 1887.

NUMBER 4,232.



### FIRE DEPARTMENT.

Report for the Quarter and Year ending December 31, 1886.

HEADQUARTERS FIRE DEPARTMENT,  
NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET,  
OFFICE BOARD OF COMMISSIONERS,  
NEW YORK, January 15, 1887.

To the Hon. ABRAM S. HEWITT, 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, 1886, with resumé for the year ending on the same date:

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

Headquarters—	
Commissioners	3
Secretary, Assistant Secretary, Bookkeeper and Clerks	12
Medical Officers	3
Janitor	1
Watchmen	2
	21
*Bureau of Chief of Department—Uniformed Force—	
Chief of Department	1
Assistant Chief of Department and Second Assistant Chief of Department	2
Chiefs of Battalion	12
Foremen	82
Assistant Foremen	86
Engineers of Steamer	123
Firemen	11
Private	1
Firemen { First Grade	478
{ Second Grade	120
{ Third Grade	67
	983
Pilots on Fire Steamers,	4
Engineers on Fire Steamers, (Engines 43 and 51), Ununiformed	4
Stokers on Fire Steamers,	6
	14
Bureau of Inspector of Combustibles—	
Inspector of Combustibles	1
Clerks	3
Surveyors	3
Oil Collectors	3
	10
Bureau of Fire Marshal—	
Fire Marshal	1
Assistant and Clerks	3
	4
Bureau of Inspection of Buildings—	
Superintendent of Buildings	1
Clerks	20
Inspectors	35
Messengers	4
Driver	1
Machinists detailed as Supervisors of Elevators	2
	63
Attorney to the Department	1
Fire Alarm Telegraph—	
Superintendent of Telegraph	1
Chief Operator, Operators and Assistant Operators	8
Clerk	1
Inspectors of Alarm Boxes	2
Batteryman and Assistant Batteryman	2
Foreman	1
Linemen	3
	18
Repair Shops—	
Superintendent of Repairs to Buildings	1
Foreman	1
Storekeeper	1
Clerks	3
Messenger	1
Shop Engineer	1
Chief Machinist	1
Machinists	17
Machinists' Helpers	5
Boiler Maker	1
Blacksmiths	4
Blacksmiths' Helpers	3
Wheelwrights	7
Harness Makers	2
Hose Repairers	2
Hose Repairers' Helper	1
Painters	5
Watchmen	3
Drivers	4
Laborer	1
Janitor	1
	65

\* Includes five Foremen, two Assistant Foremen, four Engineers of Steamer, twenty-one Firemen and Privates relieved from service at fires, under section 14, chapter 494, Laws of 1871, as amended by chapter 119, Laws of 1879, and re-enacted by section 519, chapter 410, Laws of 1882.

#### Hospital Stables—

Foreman	1
Stablemen	5
	6

Aggregate ..... 1,185

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

GRADE.	Loss By							Gain By		
	Resignation.	Discharge.	Dismissal.	Retirement.	Promotion.	Death.	Dropped.	Total.	Appointment.	Promotion.
Second Assistant Chief of Department	..	..	1	..	..	..	..	1	..	1
Chiefs of Battalion	..	..	..	..	1	1	..	2	..	2
Foremen	..	..	..	..	2	..	..	2	..	5
Assistant Foremen	1	..	..	..	5	..	..	6	..	7
Engineers of Steamer	..	..	1	..	1	2	..	4	..	69
Assistant Engineers of Steamer	..	..	..	..	58	..	..	58	..	..
Firemen, First Grade	1	..	7	2	11	6	..	27	..	140
“ Second Grade	..	..	..	..	143	..	..	143	..	123
“ Third Grade	3	..	1	..	126	..	..	130	66	..
Clerks	..	..	1	..	..	2	..	3	..	1
Type Writer	1	..	..	..	..	..	..	1	..	..
Inspectors of Buildings	..	..	2	..	..	1	..	3	5	..
Oil Collector	..	..	..	..	1	..	..	1	1	..
Operator	..	..	..	..	..	..	..	..	..	1
Assistant Operators	..	..	..	..	1	1	..	2	1	..
Inspectors Fire Alarm Boxes	..	..	..	..	..	..	..	..	2	..
Linemen	..	1	..	..	..	..	..	1	2	..
Machinists	..	..	..	..	..	1	..	1	3	..
Machinists' Helper	..	..	..	..	1	..	..	1	1	..
Blacksmith	1	..	..	..	..	..	..	1	1	..
Blacksmith's Helper	1	..	..	..	..	..	..	1	..	..
Wheelwright	..	..	..	..	..	..	..	..	1	..
Painters	..	1	..	..	..	..	2	3	2	..
Collar Maker	..	1	..	..	..	..	..	1	..	..
Hose Repairer's Helper	..	..	..	..	..	..	..	..	1	..
Messenger	..	..	..	..	..	1	..	1	..	..
Janitor	..	..	..	..	1	..	..	1	1	..
Watchman	..	..	..	..	..	..	..	..	..	1
Driver	..	..	..	..	..	..	..	..	1	..
Laborer	..	..	..	..	..	..	..	..	1	..
Total	8	3	13	2	351	14	3	394	89	357

Net aggregate gain..... 46

#### Alterations, Amendments and Additions to the Rules and Regulations.

(General Orders No. 1.) FEBRUARY 5, 1886.

The substitute for Paragraph LIV. of General Orders No. 26, O. B. C., series of 1881, provided by Paragraph IV. of General Orders No. 5, O. B. C., series of 1885, is hereby countermanded, and the following is substituted therefor:

LIV.—The system of communicating alarms for fires 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 of 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 circuits. 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, unless the building from which the alarm was sent is in the immediate vicinity of a street alarm box from which an alarm has already been sent, in which case the special call will not be sent.

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.

(General Orders No. 2.) MAY 19, 1886.

Section 18 of Paragraph 10 of General Orders No. 13, O. B. C., series of 1881, is hereby countermanded, and the following is substituted therefor:

18. Employ a person to make up beds, wash bedclothes, keep dormitories clean and in order, for which each officer and member shall pay his pro rata share of the expenses, and in case of transfer or detail of more than fifteen days' duration the proper proportionate share of expenses to the several companies in which they may have served, not exceeding two dollars per month to each officer and member.

(General Orders No. 3.) DECEMBER 15, 1886.

Section 46 of Paragraph I. of General Orders No. 29, O. B. C., series of 1881, is hereby countermanded, and the following is substituted therefor:

46.—For all Officers and Members.—A double-breasted black rubber coat to extend below the knee, black rubber leggings, heavy rubber boots, provided with inside soles of leather, and black rubber cover for fatigue cap.

## Appropriations and Expenditures.

TITLE OF APPROPRIATION.	AMOUNT OF APPROPRIATION.	EXPENDITURES.	BALANCE.
<b>For Salaries—</b>			
Headquarters.....	\$44,214 00	\$44,208 87	\$5 13
Bureau Chief of Department.....	1,229,000 00	1,227,026 99	1,973 01
“ Inspector of Combustibles.....	12,200 00	12,005 94	194 06
“ Fire Marshal.....	7,400 00	7,397 27	2 73
“ Inspection of Buildings.....	76,350 00	75,734 77	615 23
Attorney.....	4,000 00	4,000 00	.....
Fire Alarm Telegraph.....	19,965 00	19,901 73	63 27
Repair Shops.....	55,000 00	54,999 43	57
Hospital Stables.....	4,850 00	4,850 00	.....
Total salaries.....	\$1,454,979 00	\$1,450,125 00	\$2,854 00
<b>For Apparatus, Supplies, etc.—</b>			
Apparatus, horses, rents, supplies, etc.....	\$296,000 00	\$296,000 00	.....
New houses.....	93,000 00	93,000 00	.....
Total apparatus, etc., etc.....	\$389,000 00	\$389,000 00	.....
Grand total.....	\$1,841,979 00	\$1,839,125 00	\$2,854 00

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

<b>Apparatus, Supplies, etc.—</b>	
For forage.....	\$29,367 50
For fuel.....	19,500 00
For new boilers and repairs to fire-engines.....	2,600 00
For new fire-engines.....	8,250 00
For repairs to fire steamer.....	7,284 00
For new hose.....	17,520 00
“ trucks.....	7,900 00
“ tenders.....	4,614 00
For telegraph removal, etc.....	20,950 00
Total.....	\$117,085 50
For new houses.....	78,968 00
Grand total.....	\$196,953 50

## Amount of Bills and Pay-rolls Audited.

Bills for 1884.....	\$23,217 42
Bills for 1885.....	79,930 54
Bills for 1886.....	298,794 12
Total bills.....	\$401,942 08
Pay-rolls for 1886.....	1,450,125 00
Total bills and pay-rolls.....	\$1,852,067 08

Company Organization, Complement of Officers and Men, Kind and Number of Apparatus, and 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-wheeled Tenders.	No. of Two-wheeled Tenders.	No. of Horses.	No. of Hook and Ladder Trucks.	No. of Horses.			
Engine 1.....	12	1	2	1	2	2	2	2	4	149	32
“ 2.....	12	1	2	1	2	2	2	2	3	100	24
“ 3.....	12	1	2	1	2	2	2	2	4	87	24
“ 4.....	12	1	2	1	2	2	2	2	3	93	31
“ 5.....	*18	2	4	1	2	2	2	2	6	127	38
“ 6.....	12	1	2	1	2	2	2	2	3	71	27
“ 7.....	16	1	2	1	2	2	2	2	5	133	46
“ 8.....	12	1	2	1	2	2	2	2	4	158	44
“ 9.....	12	1	2	1	2	2	2	2	3	194	50
“ 10.....	12	1	2	1	2	2	2	2	4	48	18
“ 11.....	12	1	2	1	2	2	2	2	4	148	42
“ 12.....	*18	2	4	1	2	2	2	2	6	152	46
“ 13.....	*18	2	4	1	2	2	2	2	6	172	84
“ 14.....	12	1	2	1	2	2	2	2	4	143	51
“ 15.....	12	1	2	1	2	2	2	2	3	177	57
“ 16.....	*18	2	4	1	2	2	2	2	7	149	34
“ 17.....	12	1	2	1	2	2	2	2	3	250	64
“ 18.....	*18	2	4	1	2	2	2	2	7	135	41
“ 19.....	12	1	2	1	2	2	2	2	4	104	31
“ 20.....	12	1	2	1	2	2	2	2	3	186	71
“ 21.....	12	1	2	1	2	2	2	2	4	141	37
“ 22.....	12	1	2	1	2	2	2	2	4	118	37
“ 23.....	12	1	2	1	2	2	2	2	4	120	32
“ 24.....	12	1	2	1	2	2	2	2	4	102	46
“ 25.....	12	1	2	1	2	2	2	2	3	147	44
“ 26.....	*18	2	4	1	2	2	2	2	7	137	39
“ 27.....	*18	2	4	1	2	2	2	2	7	106	38
“ 28.....	12	1	2	1	2	2	2	2	3	84	21
“ 29.....	12	1	2	1	2	2	2	2	3	75	32

\* Double Companies.

† Water Tower in connection with other apparatus.

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-wheeled Tenders.	No. of Horses.	No. of Two-wheeled Tenders.	No. of Horses.	No. of Hook and Ladder Trucks.	No. of Horses.			
Engine 30.....	12	1	2	1	2	2	2	2	4	124	49	
“ 31.....	*18	2	4	1	2	2	2	2	6	153	58	
“ 32.....	12	1	2	1	2	2	2	2	3	91	53	
“ 33.....	*18	2	4	1	2	2	2	2	6	158	49	
“ 34.....	12	1	2	1	2	2	2	2	4	136	33	
“ 35.....	12	1	2	1	2	2	2	2	3	157	49	
“ 36.....	12	1	2	1	2	2	2	2	4	143	31	
“ 37.....	12	1	2	1	2	2	2	2	4	58	18	
“ 38.....	12	1	2	1	1	2	2	2	5	34	9	
“ 39.....	12	1	2	1	2	2	2	2	4	137	24	
“ 40.....	8	1	2	1	2	2	2	2	4	68	20	
“ 41.....	8	1	2	1	2	2	2	2	3	33	14	
“ 42.....	8	1	2	1	2	2	2	2	4	20	5	
“ 43.....	\$10	1	2	1	2	2	2	2	7	71	6	
“ 44.....	1	2	1	2	2	2	2	2	4	133	35	
“ 45.....	8	1	2	1	2	2	2	2	4	6	3	
“ 46.....	8	1	2	1	2	2	2	2	4	13	4	
“ 47.....	12	1	2	1	2	2	2	2	6	57	9	
“ 48.....	12	1	2	1	2	2	2	2	6	21	5	
“ 49.....	10	1	2	1	2	2	2	2	5	5	1	
“ 50.....	12	1	2	1	2	2	2	2	6	22	10	
“ 51.....	\$11	1	2	1	2	2	2	2	105	12		
“ 52.....	12	1	2	1	2	2	2	2	6	8	1	
“ 53.....	12	1	2	1	2	2	2	2	4	157	33	
“ 54.....	12	1	2	1	2	2	2	2	3	132	28	
Hook and Ladder 1.....	1	2	1	2	2	2	2	2	3	223	135	
“ 2.....	12	1	2	1	2	2	2	2	2	317	135	
“ 3.....	16	1	2	1	2	2	2	2	5	225	119	
“ 4.....	12	1	2	1	2	2	2	2	2	242	133	
“ 5.....	*18	2	4	1	2	2	2	2	4	187	102	
“ 6.....	12	1	2	1	2	2	2	2	2	331	168	
“ 7.....	12	1	2	1	2	2	2	2	2	219	103	
“ 8.....	12	1	2	1	2	2	2	2	3	208	128	
“ 9.....	*19	2	4	1	2	2	2	2	5	313	153	
“ 10.....	12	1	2	1	2	2	2	2	3	133	87	
“ 11.....	12	1	2	1	2	2	2	2	3	177	113	
“ 12.....	12	1	2	1	2	2	2	2	3	167	85	
“ 13.....	13	1	2	1	2	2	2	2	2	212	101	
“ 14.....	12	1	2	1	2	2	2	2	2	167	96	
“ 15.....	12	1	2	1	2	2	2	2	4	88	58	
“ 17.....	10	1	2	1	2	2	2	2	2	95	39	
“ 19.....	8	1	2	1	2	2	2	2	3	10	6	
Total.....	899	61	122	31	61	33	35	26	59	277	.....	

Average number of alarms responded to, 129.

Average number of fires performed duty at, 49.

\* Double Companies.

† Training stable.

† Water Tower in connection with other apparatus.

‡ Floating Engines.

§ Supply wagon.

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.	Age.	ORIGINAL APPOINTMENT.		PROMOTION.	
			Grade.	Date.	Grades.	Dates.
1. Chief of Department.....	Shay, Charles O.....	30	Foreman.....	Sept. 25, 1865	District Engineer.. Assistant Chief of Department..... 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..... Assistant Chief of Department.....	May 21, 1873 Jan. 4, 1883 May 1, 1884
3. 3d Ass't Chief of Department.....	Reilly, Francis J.....	22	“.....	Sept. 27, 1865	Assistant Foreman.. *Foreman..... Assistant Foreman.. Foreman..... Chief of Battalion.. 2d Assistant Chief of Department.....	Oct. 15, 1870 July 1, 1871 May 1, 1872 June 6, 1872 Feb. 1, 1880 Aug. 4, 1886
4. Chief of Battalion.....	Gicquel, Benjamin A.....	24	Fireman.....	Oct. 16, 1865	Assistant Foreman.. Foreman..... District Engineer.. Chief of Battalion..	Jan. 22, 1866 June 1, 1866 July 1, 1871 May 21, 1873
5. Chief of Battalion.....	Rowe, William.....	24	Foreman.....	Oct. 20, 1865	Chief of Battalion..	May 21, 1873
6. Chief of Battalion.....	Fisher, John S.....	34	Fireman.....	Jan. 9, 1868	Assistant Foreman.. Foreman..... Chief of Battalion..	June 1, 1868 July 1, 1869 May 21, 1873
7. Chief of Battalion.....	Campbell, Samuel.....	25	“.....	Oct. 16, 1865	Assistant Foreman.. Foreman..... Chief of Battalion..	Aug. 1, 1869 Feb. 1, 1873 Sept. 23, 1875
8. Chief of Battalion.....	Bresnan, John J.....	22	“.....	Oct. 20, 1865	Assistant Engineer of Steamer..... Assistant Foreman.. Foreman..... Chief of Battalion..	Mar. 16, 1871 July 1, 1871 Mar. 1, 1873 Feb. 1, 1880

\* Reduced to Fireman, April 1, 1873.



PRESENT GRADE.	NAME.	ORIGINAL APPOINTMENT.		PROMOTION.		PRESENT GRADE.	NAME.	ORIGINAL APPOINTMENT.		PROMOTION.			
		Age.	Grade. Date.	Grades.	Dates.			Age.	Grade. Date.	Grades.	Dates.		
9. Chief of Bat- talion.....	Reeves, Michael F....	27	Fireman..... Apr. 16, 1867	{Assistant Foreman. Foreman..... Chief of Battalion..	Oct. 15, 1870 Aug. 1, 1871 Nov. 1, 1881	41. Foreman.....	O'Brien, Edward....	25	Fireman..... July 1, 1869	{Assistant Foreman. Foreman.....	Mar. 1, 1873 Sept. 17, 1880		
10. Chief of Bat- talion.....	Gooderson, Thomas. 22	"	"..... Feb. 1, 1874	{Assistant Foreman. Foreman..... Chief of Battalion..	Dec. 21, 1874 Apr. 10, 1875 Jan. 15, 1883	42. ".....	Brown, William W....	23	"..... June 14, 1866	{Assistant Foreman. Foreman.....	Dec. 1, 1873 Apr. 1, 1881		
11. Chief of Bat- talion.....	Lally, Thomas..... 22	"	"..... Aug. 15, 1870	{Assistant Foreman. Foreman..... Chief of Battalion..	Apr. 21, 1873 Nov. 1, 1881 May 1, 1884	43. ".....	Byrne, Joseph P....	28	"..... Oct. 1, 1871	{Assistant Foreman. Foreman.....	May 1, 1875 July 1, 1881		
12. Chief of Bat- talion.....	Purroy, Charles D....	24	Private..... Jan. 22, 1880	{Fireman..... Assistant Foreman. Foreman..... Chief of Battalion..	Apr. 1, 1880 Apr. 5, 1881 Dec. 31, 1882 May 1, 1884	44. ".....	Dwyer, John.....	27	"..... Oct. 16, 1873	{Assistant Foreman. Foreman.....	Dec. 18, 1878 Oct. 17, 1881		
13. Chief of Bat- talion.....	McGill, Joseph F....	23	Fireman..... Mar. 21, 1866	{Assistant Foreman. Foreman..... Chief of Battalion..	Apr. 1, 1870 Oct. 1, 1872 Aug. 12, 1884	45. ".....	Duane, William.....	28	"..... Aug. 8, 1868	{Assistant Foreman. Foreman.....	July 20, 1871 Nov. 1, 1881		
14. Chief of Bat- talion.....	Cashman, John J....	22	"..... Oct. 17, 1866	{Assistant Foreman. Foreman..... Chief of Battalion..	Feb. 15, 1872 Apr. 27, 1879 Aug. 4, 1886	46. ".....	Colby, William J....	30	"..... July 7, 1875	{Assistant Foreman. Foreman.....	June 1, 1876 Nov. 1, 1881		
15. Chief of Bat- talion.....	Short, Peter H.....	26	"..... May 1, 1875	{Assistant Foreman. Foreman..... Chief of Battalion..	June 1, 1880 Apr. 18, 1883 Aug. 4, 1886	47. ".....	Searle, George S....	21	"..... Nov. 15, 1874	{Assistant Foreman. Foreman.....	July 22, 1880 Nov. 18, 1881		
1. Foreman.....	Poynton, Joseph.....	26	Foreman..... Sept. 8, 1865	.....	.....	48. ".....	Shaw, Joseph.....	28	{*Engineer of Steamer... Ass't Engineer of Steamer..}	Oct. 13, 1865 Feb. 1, 1874	..... ..... ..... .....		
2. ".....	Spence, Arnot.....	31	"..... Oct. 20, 1865	.....	.....	49. ".....	Cusick, George.....	24	Fireman..... Apr. 21, 1869	{Assistant Foreman. Foreman.....	May 15, 1875 Apr. 18, 1883		
3. ".....	McNeill, Alexander. 29	Assistant Foreman	Oct. 16, 1865	Foreman.....	June 1, 1868	50. ".....	McAdams, Henry W.	23	"..... Sept. 18, 1874	{Assistant Foreman. Foreman.....	Nov. 1, 1881 May 23, 1883		
4. ".....	Williams, Robert.....	40	Fireman..... Dec. 1, 1865	{Assistant Foreman. Foreman.....	June 1, 1868 Dec. 15, 1868	51. ".....	Gleason, Luke.....	25	{†Fireman..... Fireman.....	Jan. 1, 1869 Dec. 1, 1872	..... ..... ..... .....		
5. ".....	Donohue, Patrick....	26	"..... Sept. 27, 1865	{Assistant Foreman. Foreman.....	June 1, 1868 Feb. 1, 1869	52. ".....	Murray, Henry.....	24	{†Fireman..... Fireman.....	Oct. 13, 1865 Dec. 17, 1874	..... ..... ..... .....		
6. ".....	Best, Samuel.....	32	"..... June 14, 1866	{Assistant Foreman. Foreman.....	Apr. 17, 1867 Mar. 1, 1869	53. ".....	Gooderson, Fred- erick W., Jr.....	23	Private..... Oct. 13, 1879	{Assistant Engineer of Steamer..... Assistant Foreman. Foreman.....	Apr. 1, 1880 May 23, 1883 May 3, 1884		
7. ".....	Shaw, William.....	27	Assistant Foreman	Oct. 2, 1865	Foreman..... May 1, 1869	54. ".....	McCutchen, James..	31	Fireman..... Sept. 18, 1865	{Assistant Foreman. Foreman.....	Mar. 1, 1869 May 20, 1884		
8. ".....	McCormick, James A.	27	Fireman..... Oct. 6, 1865	{Assistant Foreman. Foreman.....	June 23, 1868 June 15, 1869	55. ".....	Hart, Michael.....	28	"..... Oct. 20, 1865	{Assistant Foreman. Foreman.....	July 1, 1871 May 20, 1884		
9. ".....	Castles, John.....	27	"..... July 27, 1866	{Assistant Foreman. Foreman.....	Apr. 1, 1869 July 15, 1869	56. ".....	Connolly, Patrick J.	28	"..... Jan. 15, 1873	{Assistant Foreman. Foreman.....	Nov. 16, 1881 May 20, 1884		
10. ".....	Kehoe, John H.....	23	"..... Oct. 20, 1865	{Assistant Foreman. Foreman.....	June 15, 1869 Dec. 1, 1889	57. ".....	McCabe, Hugh D....	25	Private..... Feb. 9, 1882	{Assistant Foreman. Foreman.....	July 22, 1883 May 20, 1884		
11. ".....	McLaughlin, William	29	"..... May 20, 1868	{Assistant Foreman. Foreman.....	June 1, 1869 Mar. 1, 1870	58. ".....	Shea, Joseph.....	29	Foreman..... May 20, 1884	.....	.....		
12. ".....	Erb, George W.....	23	"..... Oct. 11, 1865	{Assistant Foreman. Foreman.....	Feb. 1, 1869 July 25, 1870	59. ".....	Cosgrove, James....	21	Private..... Jan. 1, 1878	{Assistant Engineer of Steamer... Assistant Foreman. Foreman.....	Mar. 21, 1880 July 1, 1882 June 6, 1884		
13. ".....	Hayes, William F....	27	{*Fireman..... Fireman.....	July 31, 1865 Apr. 1, 1886	{Assistant Foreman. Foreman.....	Oct. 1, 1869 Oct. 15, 1870	60. ".....	Falvey, John.....	21	{Fireman..... ".....	Mar. 11, 1871 July 18, 1874	{Assistant Foreman. Assistant Foreman. Foreman.....	Feb. 15, 1872 Nov. 1, 1881 Aug. 1, 1884
14. ".....	Landers, William H.	41	Fireman..... Sept. 29, 1865	{Assistant Foreman. Foreman.....	Nov. 17, 1865 Dec. 24, 1870	61. ".....	McDonald, Alex....	28	{†Fireman..... Fireman.....	July 31, 1865 June 12, 1873	..... ..... ..... .....		
15. ".....	Wolff, Charles A....	33	"..... Mar. 21, 1866	{Assistant Foreman. Foreman.....	Aug. 1, 1870 July 1, 1871	62. ".....	Scannell, Edward A.	24	Private..... Apr. 7, 1881	{Assistant Foreman. Foreman.....	May 20, 1884 Aug. 16, 1884		
16. ".....	Meagher, Daniel J....	23	"..... Oct. 6, 1865	{Assistant Foreman. Foreman.....	Dec. 24, 1870 Nov. 1, 1871	63. ".....	Binns, John.....	25	"..... Mar. 22, 1882	{Assistant Foreman. Foreman.....	May 20, 1884 Aug. 16, 1884		
17. ".....	Vetter, Peter Jr.....	26	"..... Oct. 27, 1865	{Assistant Foreman. Foreman.....	June 1, 1868 May 1, 1872	64. ".....	Golden, John J....	27	Fireman..... Dec. 18, 1874	{Assistant Foreman. Foreman.....	Feb. 1, 1883 Aug. 22, 1884		
18. ".....	Cowie, John A.....	30	Assistant Foreman	Sept. 14, 1865	*Foreman..... Mar. 1, 1873	65. ".....	Barry, James.....	24	{†Hoseman..... Fireman.....	Jan. 20, 1874 Feb. 12, 1876	..... ..... ..... .....		
19. ".....	Jones, Henry M.....	27	"..... Sept. 27, 1865	"..... Mar. 1, 1873	66. ".....	Sullivan, Thomas....	26	{**Dist. Engineer Foreman.....	Sept. 6, 1865 Aug. 23, 1884	..... ..... ..... .....			
20. ".....	Ward, John.....	26	Fireman..... Sept. 25, 1865	{Assistant Foreman. Foreman.....	Jan. 1, 1870 Mar. 1, 1873	67. ".....	Kenny, Thomas A....	23	Fireman..... Aug. 4, 1876	{Assistant Foreman. Foreman.....	July 10, 1879 Feb. 1, 1885		
21. ".....	Sattler, John.....	29	"..... Oct. 20, 1865	{Assistant Foreman. Foreman.....	July 1, 1871 Mar. 1, 1873	68. ".....	Lawler, Daniel.....	24	"..... May 1, 1875	{Assistant Foreman. Foreman.....	Aug. 16, 1884 Feb. 1, 1885		
22. ".....	Sheridan, Philip....	23	"..... Oct. 20, 1865	{Assistant Foreman. Foreman.....	July 1, 1871 June 16, 1873	69. ".....	Callaghan, Daniel H.	26	"..... Mar. 1, 1873	{Assistant Foreman. Foreman.....	July 10, 1879 June 25, 1885		
23. ".....	Connor, David.....	25	"..... July 31, 1865	{Assistant Foreman. Foreman.....	Nov. 1, 1871 June 16, 1873	70. ".....	Cook, Martin.....	23	Hoseman..... Jan. 1, 1870	{Assistant Engineer of Steamer... Engineer of Steamer Foreman.....	July 24, 1871 Jan. 13, 1874 Jan. 15, 1874 Mar. 1, 1875 Nov. 15, 1885		
24. ".....	Welsh, John.....	23	"..... Oct. 11, 1865	{Engineer of Steamer Assistant Foreman. Foreman.....	Aug. 1, 1866 Feb. 15, 1872 June 16, 1873	71. ".....	Teal, Henry.....	21	Fireman..... Aug. 1, 1871	{Assistant Foreman. Foreman.....	Sept. 22, 1880 Nov. 15, 1885		
25. ".....	Chambers, Charles..	31	{Engineer of Steamer...}	Sept. 14, 1865	{Assistant Foreman. Foreman.....	July 1, 1873 Dec. 1, 1873	72. ".....	Cooney, John J....	29	Private, 3d Grade	Sept. 1, 1882	{Assistant Engineer of Steamer... Assistant Foreman. Foreman.....	June 6, 1884 July 1, 1885 Nov. 15, 1885
26. ".....	Perley, Hamilton F..	21	{Ass't Engineer of Steamer..}	Mar. 15, 1873	{Assistant Foreman. Foreman.....	Jan. 15, 1874 Aug. 1, 1874	73. ".....	Ahearn, Thomas J..	23	Fireman..... May 9, 1873	{Assistant Foreman. Foreman.....	Apr. 1, 1881 Feb. 25, 1886	
27. ".....	Judge, Thomas.....	32	Fireman..... June 28, 1866	{Assistant Foreman. Foreman.....	Oct. 18, 1872 Dec. 21, 1874	74. ".....	White, John H.....	30	"..... Jan. 2, 1875	{Assistant Foreman. Foreman.....	Feb. 1, 1883 Feb. 25, 1886		
28. ".....	Monroe, James H....	29	"..... Oct. 16, 1865	{Foreman..... District Engineer. †Chief of Battalion. Foreman.....	Apr. 17, 1867 July 1, 1871 May 21, 1873 Feb. 15, 1875	75. ".....	Frazer, William D..	24	"..... July 3, 1872	{Assistant Foreman. Foreman.....	May 20, 1884 Dec. 1, 1886		
29. ".....	Van Horn, Thos. J..	26	"..... May 6, 1871	{Assistant Foreman. Foreman.....	Jan. 15, 1874 Mar. 1, 1875	76. ".....	Croker, Edward F..	21	Private..... June 22, 1884	{Assistant Foreman. Foreman.....	Aug. 16, 1884 Feb. 25, 1886		
30. ".....	Hamblett, Roger B..	21	"..... Sept. 11, 1865	{Assistant Foreman. Foreman.....	June 1, 1869 Mar. 1, 1875	77. ".....	McNamara, Mich'l J.	25	Fireman..... Apr. 21, 1873	{Assistant Foreman. Foreman.....	Aug. 27, 1884 Dec. 1, 1886		
31. ".....	Kittson, Hugh.....	28	"..... Sept. 25, 1865	{Assistant Foreman. Foreman.....	July 1, 1873 Mar. 1, 1875	1. Ass't Foreman.	Schuck, Henry.....	33	"..... Sept. 18, 1865	Assistant Foreman.	Nov. 22, 1865		
32. ".....	Eagan, John J.....	25	"..... Sept. 11, 1865	{Assistant Foreman. Foreman.....	Oct. 15, 1870 Aug. 20, 1875	2. ".....	Smith, Edward S....	23	"..... Sept. 11, 1865	".....	Dec. 15, 1868		
33. ".....	Fisher, Isaac.....	22	{†Engineer of Steamer... Ass't Engineer of Steamer..}	Oct. 1, 1869 Nov. 1, 1872	{Engineer of Steamer Assistant Foreman. Foreman.....	July 1, 1873 Apr. 15, 1874 Dec. 2, 1875	3. ".....	Hicks, Matthew.....	21	"..... Aug. 10, 1868	".....	Oct. 15, 1870	
34. ".....	Wray, Robert.....	23	Fireman..... Oct. 16, 1865	{Assistant Engineer of Steamer... Assistant Foreman. Foreman.....	June 1, 1871 Sept. 1, 1874 Mar. 12, 1877	4. ".....	Riordan, John.....	21	"..... Sept. 20, 1866	".....	Nov. 1, 1871		
35. ".....	Bradley, Daniel.....	30	"..... Mar. 1, 1866	{Assistant Foreman. Foreman.....	Mar. 1, 1873 Apr. 3, 1878	5. ".....	Lynar, Andrew.....	28	"..... Jan. 21, 1868	".....	Feb. 15, 1872		
36. ".....	Birmingham, Wm....	34	"..... Dec. 15, 1873	{Assistant Foreman. Foreman.....	Oct. 1, 1875 Dec. 8, 1879	6. ".....	Brennan, Terrence P.	25	"..... Oct. 6, 1865	".....	July 1, 1872		
37. ".....	Farrell, Robert R....	26	{Ass't Engin'r of Steamer.. Ass't Engineer of Steamer..}	Nov. 1, 1871 Mar. 15, 1873	{Assistant Foreman. Foreman.....	Jan. 15, 1874 Feb. 1, 1880	7. ".....	McNamee, Charles..	28	"..... July 1, 1869	".....	Mar. 1, 1873	
38. ".....	Fleming, William H.	22	Fireman..... Oct. 17, 1870	{Assistant Foreman. Foreman.....	Aug. 2, 1877 Mar. 17, 1880	8. ".....	Jones, Walter H....	25	"..... Oct. 21, 1870	".....	Mar. 1, 1873		
39. ".....	Shay, Charles H....	21	Private..... Nov. 21, 1877	{Fireman..... Assistant Engineer of Steamer... Engineer of Steamer Assistant Foreman. Foreman.....	Apr. 1, 1878 Apr. 1, 1879 Apr. 4, 1879 Dec. 10, 1879 June 1, 1880	9. ".....	Conaghan, Patrick..	23	"..... Oct. 20, 1865	".....	Apr. 21, 1873		
40. ".....	Perley, Charles H....	22	"..... Jan. 17, 1879	{Assistant Foreman. Foreman.....	Feb. 1, 1879 Aug. 25, 1880	10. ".....	Braisted, William C.	25	"..... July 3, 1872	".....	June 16, 1873		
						11. ".....	Campbell, James A.	27	"..... Sept. 29, 1865	".....	Aug. 15, 1873		
						12. ".....	Moore, Edward S....	31	"..... Oct. 16, 1865	{†Assistant Foreman. Assistant Foreman.	Dec. 1, 1865 Nov. 3, 1873		
						13. ".....	Louis, Albert F....	24	"..... Sept. 14, 1865	{Assistant Engineer of Steamer... Engineer of Steamer Assistant Foreman.	Apr. 1, 1871 Sept. 11, 1872 Jan. 15, 1874		

\* Resigned, January 12, 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.

§ Dismissed, June 19, 1874.  
¶ Resigned, June 8, 1872.  
¶ Resigned, July 1, 1875.

\*\* Dropped, May 21, 1873.  
†† Reduced to Assistant Foreman, Dec. 2, 1875.  
†† Reduced to ranks, May 9, 1866.

PRESENT GRADE.	NAME.	ORIGINAL APPOINTMENT.		PROMOTION.		PRESENT GRADE.	NAME.	ORIGINAL APPOINTMENT.		PROMOTION.			
		Age.	Grade.	Date.	Grades.			Dates.	Age.	Grade.	Date.	Grades.	Dates.
14. Ass't Foreman.	Burnett, Henry.....	33	Fireman.....	Sept. 22, 1865	Assistant Foreman.	Jan. 15, 1874	77. Ass't Foreman.	Honan, John S.....	25	Private.....	May 8, 1883	Assistant Foreman.	Nov. 15, 1885
15. "	Siegmann, Louis L.....	24	".....	Feb. 8, 1871	".....	Jan. 15, 1874	78. "	McAllister, Bernard.....	31	".....	Dec. 3, 1877	Assistant Engineer of Steamer.....	June 1, 1880
16. "	Cartright, Stephen.....	27	".....	Aug. 1, 1871	".....	May 15, 1874					Engineer of Steamer	Jan. 1, 1886	
17. "	Flock, William F.....	27	Ass't Foreman.....	Sept. 8, 1865	* Foreman.....	Oct. 15, 1870					Assistant Foreman.	Feb. 1, 1886	
18. "	Neubauer, Michael.....	24	Fireman.....	Oct. 1, 1872	Assistant Foreman.	Oct. 19, 1874	79. "	Shute, James H.....	23	Fireman.....	Oct. 17, 1873	Assistant Foreman.	Feb. 1, 1886
19. "	Carey, Francis.....	25	".....	June 2, 1868	".....	Dec. 21, 1874	80. "	Burns, John J.....	21	Private.....	Aug. 17, 1883	".....	Feb. 1, 1886
20. "	Wright, Augustus H.....	29	".....	May 4, 1875	".....	May 1, 1876	81. "	Martin, Michael.....	26	Fireman.....	July 1, 1873	".....	Dec. 1, 1886
21. "	Kruger, Chas. W., Jr.....	22	{ Ass't Engineer of Steamer }	July 3, 1872	".....	Sept. 27, 1877	82. "	Miller, William.....	28	Private.....	Apr. 2, 1881	".....	Dec. 1, 1886
22. "	Kenehan, Richard F.....	30	Fireman.....	July 1, 1875	".....	Apr. 3, 1878	83. "	Flaherty, James.....	29	".....	Feb. 15, 1882	".....	Dec. 1, 1886
23. "	Finn, John.....	29	".....	Sept. 20, 1866	".....	Aug. 21, 1878	84. "	Whelan, John T.....	29	Fireman.....	May 20, 1884	".....	Dec. 1, 1886
24. "	McCarthy, Patrick.....	25	".....	June 15, 1872	".....	Apr. 27, 1879							
25. "	Pesca, Oscar A.....	30	".....	Sept. 14, 1865	{ Assistant Foreman. }	Jan. 7, 1876							
26. "	O'Rourke, Owen.....	26	{ Fireman..... }	Oct. 22, 1865	{ Assistant Foreman. }	June 21, 1879							
			{ Fireman..... }	Feb. 12, 1875	{ Assistant Foreman. }	July 10, 1879							
27. "	Browning, William.....	21	".....	Apr. 23, 1869	{ Assistant Engineer of Steamer..... }	June 1, 1871							
			{ Ass't Engineer of Steamer..... }	May 9, 1873	{ Engineer of Steamer }	Aug. 1, 1874							
					{ Assistant Foreman. }	Feb. 1, 1880							
28. "	O'Reilly, Patrick H.....	23	Fireman.....	Aug. 21, 1875	Assistant Foreman.	July 20, 1880							
29. "	Kerrigan, Francis.....	29	".....	May 1, 1875	".....	Sept. 16, 1880							
30. "	Case, Wright, Jr.....	25	".....	May 1, 1875	".....	Nov. 12, 1881							
31. "	McCarthy, John.....	29	".....	Sept. 15, 1871	".....	June 9, 1881							
32. "	Moss, Joseph.....	28	".....	Dec. 1, 1871	".....	Nov. 1, 1881							
33. "	Gerity, James J.....	24	".....	Feb. 1, 1874	".....	Nov. 1, 1881							
34. "	Kelly, Thomas.....	28	{ Fireman..... }	Sept. 18, 1865	".....	Nov. 25, 1881							
			{ Fireman..... }	Apr. 17, 1867	Assistant Foreman.	Mar. 22, 1882							
35. "	Hyde, David.....	27	".....	July 17, 1873	".....	Apr. 10, 1882							
36. "	Farley, Thomas.....	25	* Fireman.....	May 13, 1868	Assistant Foreman.	Apr. 10, 1882							
			{ Fireman..... }	Sept. 1, 1869	".....	Aug. 7, 1882							
37. "	Murphy, John.....	24	".....	Oct. 17, 1870	".....	Dec. 1, 1882							
38. "	Aiken, Alexander D.....	24	".....	July 19, 1871	".....	Dec. 1, 1882							
39. "	McAvoy, Michael.....	25	".....	Dec. 1, 1865	".....	Dec. 31, 1882							
40. "	Barber, John.....	26	".....	Nov. 3, 1870	".....	Feb. 1, 1883							
41. "	Daniels, Clement L.....	25	".....	Oct. 11, 1873	".....	Mar. 4, 1883							
42. "	Ryan, Ed. F.....	22	".....	July 3, 1872	".....	Mar. 6, 1883							
43. "	Murphy, Lawrence.....	24	".....	June 12, 1871	".....	May 17, 1883							
44. "	Kennedy, Mathias T.....	28	Private.....	Dec. 21, 1877	{ Assistant Engineer of Steamer..... }	Nov. 21, 1883							
					{ Assistant Foreman. }	May 23, 1883							
45. "	Margison, Charles.....	27	".....	Jan. 22, 1877	{ Assistant Engineer of Steamer..... }	May 1, 1879							
					{ Assistant Foreman. }	May 23, 1883							
46. "	Jones, William H.....	29	Ladderman.....	Sept. 25, 1875	{ Private..... }	Apr. 1, 1878							
					{ Assistant Foreman. }	May 23, 1883							
47. "	Needham, John T.....	27	Private.....	Jan. 1, 1881	Assistant Foreman.	May 23, 1883							
48. "	Murphy, John McL.....	23	".....	Nov. 21, 1881	".....	May 23, 1883							
49. "	O'Hearn, Thomas.....	29	Fireman.....	June 12, 1875	".....	July 1, 1883							
50. "	Hopper, Charles.....	25	** Fireman.....	Mar. 2, 1870	".....	Aug. 1, 1883							
			{ Fireman..... }	Feb. 12, 1876	Assistant Foreman.	Aug. 1, 1883							
51. "	Meehan, Edward.....	24	".....	July 23, 1870	".....	Aug. 13, 1883							
52. "	Beekler, Jacob.....	24	".....	Mar. 15, 1871	".....	Nov. 1, 1883							
53. "	Autenreith, Chas. J.....	25	Private.....	Feb. 12, 1881	{ Assistant Engineer of Steamer..... }	Dec. 17, 1881							
					{ Assistant Foreman. }	May 20, 1884							
54. "	Hearn, John.....	24	Fireman.....	Sept. 11, 1865	Assistant Foreman.	May 20, 1884							
55. "	Head, Thomas.....	26	".....	Feb. 15, 1869	".....	May 20, 1884							
56. "	Touhey, Martin J.....	23	".....	Mar. 15, 1872	".....	May 20, 1884							
57. "	Donohue, Malachi.....	24	".....	June 20, 1870	†† ".....	Oct. 17, 1872							
					".....	May 20, 1884							
58. "	Gaffney, Andrew.....	27	".....	Dec. 1, 1873	".....	May 20, 1884							
59. "	Feris, William R.....	27	".....	Sept. 7, 1874	".....	May 20, 1884							
60. "	Reed, Samuel.....	25	".....	Sept. 1, 1875	".....	May 20, 1884							
61. "	Quirk, William.....	27	Private.....	May 19, 1881	".....	May 20, 1884							
62. "	Hennessey, William.....	30	†† Fireman.....	Dec. 21, 1874	".....	May 20, 1884							
			{ Private..... }	Jan. 18, 1882	Assistant Foreman.	May 20, 1884							
63. "	Leonard, John H.....	32	".....	Feb. 1, 1877	{ Fireman..... }	Apr. 13, 1877							
					{ Assistant Engineer of Steamer..... }	Apr. 20, 1877							
					{ Engineer of Steamer }	Oct. 4, 1878							
					{ Assistant Foreman. }	Aug. 16, 1884							
64. "	O'Grady, Joseph.....	27	".....	Nov. 24, 1877	{ Assistant Engineer of Steamer..... }	Oct. 20, 1880							
					{ Assistant Foreman. }	Aug. 16, 1884							
65. "	Reilly, Bernard J.....	27	Fireman.....	May 1, 1875	Assistant Foreman.	Aug. 21, 1884							
66. "	Reilly, Michael A.....	23	Private.....	Apr. 4, 1881	".....	Aug. 21, 1884							
67. "	Kinsella, Henry.....	27	".....	Feb. 3, 1883	".....	Aug. 27, 1884							
68. "	McNamara, John J.....	26	Fireman.....	Dec. 7, 1877	{ Assistant Engineer of Steamer..... }	Apr. 11, 1880							
					{ Assistant Foreman. }	July 1, 1885							
69. "	Petersen, Adolph J.....	25	".....	Oct. 25, 1873	Assistant Foreman.	July 1, 1885							
70. "	Tobin, Edward H.....	22	".....	May 4, 1875	".....	July 1, 1885							
71. "	Beshinger, Joseph.....	23	Private.....	May 10, 1880	".....	July 1, 1885							
72. "	Banta, Samuel.....	28	".....	Jan. 22, 1883	".....	July 1, 1885							
73. "	Nugent, James M.....	24	".....	Jan. 4, 1884	".....	July 1, 1885							
74. "	Gormley, Patrick.....	28	".....	May 15, 1884	".....	July 1, 1885							
75. "	Ryan, Patrick F.....	28	{ Engineer of Steamer..... }	Nov. 1, 1871	{ Engineer of Steamer }	July 21, 1875							
			{ Ass't Engineer of Steamer..... }	Sept. 6, 1874	{ Assistant Foreman. }	Nov. 15, 1885							
76. "	Delaney, James.....	23	Fireman.....	Aug. 1, 1869	{ Assistant Engineer of Steamer..... }	Mar. 16, 1871							
					{ Engineer of Steamer }	Nov. 16, 1883							
					{ Assistant Foreman. }	Nov. 15, 1885							

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

APPOINTED IN—	OFFICERS.	ENGINEERS.	FIREMEN.	TOTAL.
1865.....	53	12	40	105
1866.....	11	5	16	32
1867.....	1	2	2	5
1868.....	7	6	9	22
1869.....	9	6	18	33
1870.....	6	2	17	25
1871.....	14	2	10	26
1872.....	6	4	22	32
1873.....	14	7	48	69
1874.....	8	9	40	57
1875.....	14	8	25	47
1876.....	1	1	8	10
1877.....	7	11	6	24
1878.....	1	2	2	5
1879.....	2	6	8	16
1880.....	2	8	32	42
1881.....	7	5	37	49
1882.....	4	3	51	58
1883.....	4	8	78	90
1884.....	5	9	88	102
1885.....	...	3	37	40
1886.....	...	...	62	62
Total.....	176	119	656	951

Number and Character of Alarms, Manner of Receipt and Cause.

ALARMS.	MANNER OF RECEIPT.					CAUSE.										Total.				
	From Department Street Alarm-boxes.	Special Department Telegraph Signals.	Verbally.	Automatic Telegraph.	Total.	Accidents.	Cry of "Fire."	Error.	Exhibition of Department Insignia.	Explosions.	Heat and disarrangement of City.	Fire outside of City.	Ignorance.	Malicious mischief.	Not ascertained.		Reflection from stoves, etc.	Reflection of distant fire.	Smoke, etc., issuing from premises.	Fire.
Unnecessary.....	36	9	7	55	107	8	2	3	5	7	..	44	11	11	16	..	..	..	..	107
Indication of fire.....	76	2	43	..	121	..	..	..	..	1	..	..	..	..	18	..	102	..	..	121
Fires.....	1,459	16	938	2	2,415	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,415
Total.....	1,571	27	988	57	2,643	8	2	3	5	8	..	44	11	11	16	18	..	102	..	2,643

240 alarms were communicated by attachés of this Department, of which 229 proved to be for fires.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
In buildings—													
Confined to point of starting.....	224	188	183	164	154	131	235	164	123	182	178	234	2,160
Confined to building.....	14	21	12	13	7	6	5	8	10	15	13	20	143
Extended to other buildings.....	2	4	1	5	2	7	6	4	3	2	2	3	41
Number in buildings.....	240	213	195	182	163	144	246	176	136	199	193	257	2,344
In vessels.....	1	1	2	1	1	..	..	..	1	2	1	3	13
In other places (woods, etc.).....	1	4	5	6	4	3	4	5	8	0	6	3	43

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

APPOINTED IN—	OFFICERS.	ENGINEERS.	FIREMEN.	TOTAL.
1865.....	53	12	40	105
1866.....	11	5	16	32
1867.....	1	2	2	5
1868.....	7	6	9	22
1869.....	9	6	18	33
1870.....	6	2	17	25
1871.....	14	2	10	26
1872.....	6	4	22	32
1873.....	14	7	48	69
1874.....	8	9	40	57
1875.....	14	8	25	47
1876.....	1	1	8	10
1877.....	7	11	6	24
1878.....	1	2	2	5
1879.....	2	6	8	16
1880.....	2	8	32	42
1881.....	7	5	37	49
1882.....	4	3	51	58
1883.....	4	8	78	90
1884.....	5	9	88	102
1885.....	...	3	37	40
1886.....	...	...	62	62
Total.....	176	119	656	951

#### Number and Character of Alarms, Manner of Receipt and Cause.

ALARMS.	MANNER OF RECEIPT.				CAUSE.											
	From Department Street Alarm-boxes.	Special Department Telegraph Signals.	Verbally.	Automatic Telegraph.	Total.	Accidents.	Cry of "Fire."	Error.	Exhibition of Department.	Explosions.	Fire outside of City.	Heat and disarrangement of Automatic Tel.	Ignorance.	Malicious mischief.	Not ascertained.	Reflection from stoves, etc.
Unnecessary.....	36	9	7	55	107	8	2	3	5	7	44	11	11	16	...	...
Indication of fire..	26	2	43	...	121	...	...	...	...	1	...	...	...	18	...	...
Fires.....	1,459	16	938	2	2,415	...	...	...	...	...	...	...	...	...	...	...
Total.....	1,571	27	988	57	2,643	8	2	3	5	8	44	11	11	16	102	2,415

240 alarms were communicated by attaches of this Department, of which 229 proved to be for fires.

772	"	"	Police	"	738	"	"
555	"	"	District key-holders,	"	523	"	"
194	"	"	Citizen	"	181	"	"
882	"	"	all other means,	"	744	"	"
2,643	"	"	all the various means,	"	2,415	"	"

#### Statistics of Fires.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
In buildings—													
Confined to point of starting.....	224	188	183	164	154	131	235	164	123	182	178	234	2,160
Confined to building.....	14	21	11	13	7	6	5	8	10	15	13	20	143
Extended to other buildings.....	2	4	1	5	2	7	6	4	3	2	2	3	41
Number in buildings.....	240	213	195	182	163	144	246	176	136	199	193	257	2,344
In vessels.....	1	2	2	1	1	...	...	...	1	2	1	3	13
In other places (woods, etc.).....	1	4	5	6	4	3	4	5	8	9	6	3	58
Total.....	242	218	202	189	168	147	250	181	145	210	200	263	2,415

\* Reduced to Assistant Foreman, June 24, 1874.



	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
<b>Discovered by—</b>													
Attaches of Fire Department.....	27	27	14	16	22	16	24	7	12	16	26	22	229
Attaches of Police Department.....	70	67	65	62	40	32	79	48	42	70	64	99	738
District key-holders.....	52	56	58	38	38	36	58	33	29	39	35	51	593
Citizen key-holders.....	7	10	9	24	18	9	19	21	7	25	15	17	181
All other means.....	86	58	56	49	50	54	70	72	55	60	60	74	744
<b>Total.....</b>	<b>242</b>	<b>218</b>	<b>202</b>	<b>189</b>	<b>168</b>	<b>147</b>	<b>250</b>	<b>181</b>	<b>145</b>	<b>210</b>	<b>200</b>	<b>263</b>	<b>2,415</b>
<b>Extinguished with—</b>													
Buckets of water, etc.....	152	124	132	110	113	98	180	129	98	124	130	173	1,569
One engine stream.....	59	50	41	44	40	32	47	28	30	51	34	54	510
Two or three engine streams.....	22	33	24	28	23	9	19	15	12	26	23	29	253
More than three engine streams.....	9	11	5	7	2	8	4	9	5	9	7	7	83
<b>Total.....</b>	<b>242</b>	<b>218</b>	<b>202</b>	<b>189</b>	<b>168</b>	<b>147</b>	<b>250</b>	<b>181</b>	<b>145</b>	<b>210</b>	<b>200</b>	<b>263</b>	<b>2,415</b>
<b>Extent of damage to buildings and vessels—</b>													
Built mainly of brick, stone or iron:													
Slight.....	89	83	53	61	53	37	54	37	32	65	44	72	680
Considerable.....	7	5	5	5	1	1	4	7	2	2	4	8	51
Destroyed.....	1	1	1	1	1	1	1	1	1	1	1	1	5
<b>Total.....</b>	<b>96</b>	<b>88</b>	<b>58</b>	<b>66</b>	<b>55</b>	<b>39</b>	<b>59</b>	<b>45</b>	<b>34</b>	<b>68</b>	<b>48</b>	<b>80</b>	<b>736</b>
Built mainly of wood:													
Slight.....	13	10	10	11	7	13	18	8	6	10	8	16	130
Considerable.....	1	1	7	2	4	5	2	3	4	4	1	2	35
Destroyed.....	1	1	1	1	1	1	1	1	1	1	1	1	5
<b>Total.....</b>	<b>15</b>	<b>10</b>	<b>17</b>	<b>13</b>	<b>11</b>	<b>20</b>	<b>21</b>	<b>11</b>	<b>10</b>	<b>14</b>	<b>9</b>	<b>19</b>	<b>170</b>
<b>Total buildings and vessels damaged.....</b>	<b>111</b>	<b>98</b>	<b>75</b>	<b>79</b>	<b>66</b>	<b>59</b>	<b>80</b>	<b>56</b>	<b>44</b>	<b>82</b>	<b>57</b>	<b>99</b>	<b>906</b>
To which the damage was—													
Slight.....	102	93	63	72	60	50	72	45	38	75	52	88	810
Considerable.....	8	5	12	7	5	6	6	10	6	6	5	10	86
Destroyed.....	1	1	1	1	1	3	2	1	1	1	1	1	10
<b>Number of fires resulting in damage to contents only; buildings or vessels not damaged.....</b>	<b>27</b>	<b>23</b>	<b>28</b>	<b>33</b>	<b>22</b>	<b>23</b>	<b>44</b>	<b>43</b>	<b>28</b>	<b>27</b>	<b>46</b>	<b>42</b>	<b>386</b>
<b>Number of fires resulting in nominal damage (less than \$50) to either structures or contents.....</b>	<b>75</b>	<b>67</b>	<b>72</b>	<b>61</b>	<b>66</b>	<b>53</b>	<b>102</b>	<b>84</b>	<b>57</b>	<b>74</b>	<b>80</b>	<b>85</b>	<b>876</b>

Number of Fires occurring each Day of the Week and during the Different Hours and Periods of the Day, by Months.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
<b>Monday.....</b>	<b>37</b>	<b>25</b>	<b>33</b>	<b>28</b>	<b>22</b>	<b>23</b>	<b>61</b>	<b>28</b>	<b>18</b>	<b>27</b>	<b>39</b>	<b>29</b>	<b>370</b>
<b>Tuesday.....</b>	<b>25</b>	<b>36</b>	<b>27</b>	<b>27</b>	<b>20</b>	<b>19</b>	<b>27</b>	<b>36</b>	<b>22</b>	<b>16</b>	<b>43</b>	<b>36</b>	<b>334</b>
<b>Wednesday.....</b>	<b>31</b>	<b>36</b>	<b>35</b>	<b>22</b>	<b>19</b>	<b>26</b>	<b>31</b>	<b>12</b>	<b>28</b>	<b>30</b>	<b>24</b>	<b>41</b>	<b>335</b>
<b>Thursday.....</b>	<b>23</b>	<b>32</b>	<b>28</b>	<b>27</b>	<b>18</b>	<b>20</b>	<b>32</b>	<b>22</b>	<b>21</b>	<b>28</b>	<b>28</b>	<b>41</b>	<b>320</b>
<b>Friday.....</b>	<b>40</b>	<b>32</b>	<b>30</b>	<b>31</b>	<b>22</b>	<b>17</b>	<b>35</b>	<b>25</b>	<b>21</b>	<b>40</b>	<b>27</b>	<b>54</b>	<b>374</b>
<b>Saturday.....</b>	<b>49</b>	<b>28</b>	<b>18</b>	<b>28</b>	<b>39</b>	<b>23</b>	<b>21</b>	<b>32</b>	<b>20</b>	<b>32</b>	<b>17</b>	<b>30</b>	<b>337</b>
<b>Sunday.....</b>	<b>37</b>	<b>29</b>	<b>31</b>	<b>26</b>	<b>28</b>	<b>19</b>	<b>43</b>	<b>26</b>	<b>15</b>	<b>37</b>	<b>22</b>	<b>32</b>	<b>345</b>
<b>Between the hours of—</b>													
12 midnight and 1 a. m.....	9	6	4	12	5	4	4	12	4	7	5	8	80
1 a. m. and 2 a. m.....	3	7	5	3	3	10	5	5	5	4	4	8	62
2 a. m. and 3 a. m.....	3	4	4	4	9	3	5	5	2	5	4	8	56
3 a. m. and 4 a. m.....	4	5	3	7	2	3	7	3	3	5	8	7	57
4 a. m. and 5 a. m.....	2	2	3	7	2	1	7	2	1	7	3	7	44
5 a. m. and 6 a. m.....	2	1	2	1	3	3	5	3	4	3	3	8	37
6 a. m. and 7 a. m.....	8	7	8	15	7	7	19	8	8	15	14	22	138
7 a. m. and 8 a. m.....	23	24	21	34	24	24	33	30	19	31	27	46	336
8 a. m. and 9 a. m.....	4	4	2	5	4	1	6	1	1	8	2	4	42
9 a. m. and 10 a. m.....	4	7	5	5	2	4	1	3	5	6	2	11	55
10 a. m. and 11 a. m.....	6	7	5	8	6	6	6	1	3	5	2	3	58
11 a. m. and 12 m.....	14	18	12	18	12	11	13	5	9	19	6	18	155
12 midnight and 12 m.....	8	11	10	10	3	3	2	7	3	4	12	16	89
1 a. m. and 2 a. m.....	14	7	12	10	10	5	19	7	4	9	8	113	113
2 a. m. and 3 a. m.....	11	10	7	6	6	10	14	5	7	6	9	17	108
3 a. m. and 4 a. m.....	33	28	29	26	19	18	35	19	14	19	29	41	310
4 a. m. and 5 a. m.....	47	46	41	44	31	29	48	24	23	38	35	59	465
5 a. m. and 6 a. m.....	70	70	62	78	55	53	81	54	42	69	62	105	801

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
<b>Between the hours of—</b>													
12 m. and 1 p. m.....	8	6	8	8	9	7	8	13	5	12	10	7	101
1 p. m. and 2 p. m.....	9	9	6	7	6	2	16	9	6	5	12	10	97
2 p. m. and 3 p. m.....	8	16	5	5	4	6	9	12	7	4	8	8	92
3 p. m. and 4 p. m.....	25	31	19	20	19	15	33	34	18	21	30	25	290
4 p. m. and 5 p. m.....	11	11	16	10	6	6	14	8	5	7	12	10	116
5 p. m. and 6 p. m.....	14	6	13	10	12	7	9	6	10	7	12	17	123
6 p. m. and 7 p. m.....	22	16	8	8	7	6	18	10	7	18	12	21	153
7 p. m. and 8 p. m.....	47	33	37	28	25	19	41	24	22	32	36	48	392
8 p. m. and 9 p. m.....	72	64	56	48	44	34	74	58	40	53	66	73	632
9 p. m. and 10 p. m.....	19	17	19	12	10	15	10	11	11	22	18	22	186
10 p. m. and 11 p. m.....	31	22	15	10	14	12	11	18	14	15	17	16	195
11 p. m. and 12 midnight.....	17	9	20	12	14	11	24	13	10	17	15	15	177
12 midnight and 1 a. m.....	67	48	54	34	38	38	45	42	35	54	50	53	558
1 a. m. and 2 a. m.....	12	11	12	14	13	11	20	7	12	13	9	17	151
2 a. m. and 3 a. m.....	13	15	10	7	10	6	20	7	7	14	5	8	122
3 a. m. and 4 a. m.....	8	10	8	8	8	5	10	13	9	7	8	7	101
4 a. m. and 5 a. m.....	33	36	30	29	31	22	50	27	28	34	22	32	374
5 a. m. and 6 a. m.....	100	84	84	63	69	60	95	60	63	88	72	85	932
6 a. m. and 7 a. m.....	172	148	140	111	113	94	169	127	103	141	138	158	1,614
7 a. m. and 8 a. m.....	119	110	97	92	75	63	122	82	63	91	101	132	1,147
8 a. m. and 9 a. m.....	123	108	105	97	93	84	128	99	82	119	99	131	1,268
<b>Total each month.....</b>	<b>242</b>	<b>218</b>	<b>202</b>	<b>189</b>	<b>168</b>	<b>147</b>	<b>250</b>	<b>181</b>	<b>145</b>	<b>210</b>	<b>200</b>	<b>263</b>	<b>2,415</b>

## Extent of and Damage by Fire for the Years 1881-1886.

The proportion of fires in buildings which extended to other buildings was reduced from 2½ per cent. for the years 1881-1885, to 2¼ per cent. for the years 1881-1886, and the proportion of buildings destroyed was reduced from 2 per cent. during the first-named period to 1¾ per cent. during the last named.

## NOTABLE FIRES.

January 24.—Ferry-house, etc., West Shore R. R. Co., foot of Forty-second street, North river. The fire originated in the westerly (outer) end of the building, which was 100 by 150 feet, two stories in height, built of wood, sheathed with corrugated iron and filled in between the posts with terra-cotta blocks. It had considerable headway before the alarm was received, and the strong wind blowing from the northwest carried the fire very rapidly towards the land end and prevented the firemen from entering and remaining in the building, which, as it was found impossible to check the fire, was quickly destroyed. The fire also extended to the trestle work and naphtha tanks of the New York Consolidated Gas Company adjoining the ferry-house on the south. Second and third alarms were sent out, and also a special call for the floating Engine No. 43. The services of eight engine and four hook and ladder companies and of both the floating engines were required, and the fire was under control in two hours and fifteen minutes. The cause of the fire was not ascertained. Loss, \$46,512. Details were made from other companies to relieve the men on duty at the fire, after it was under control. Among others so detailed was Fireman 1st grade Henry W. Hoburg, of Engine Company No. 41, who, it was reported, while returning to his company on the evening of January 25, fell through an opening in the railroad bridge over Cromwell's Creek, and immediately sank and disappeared under the ice. His body was recovered on May 19.

February 10.—Nos. 746 to 750 Broadway. The building was seven-story brick, 75 by 100 feet, the first floor, basement, and part of sub-cellar being occupied by Underhill, Slote & Co., clothiers, and the remainder of the building by other firms. The fire originated in the sub-cellar, and extended to a part of the basement floor. On the arrival of the Department the building was found heavily charged with smoke, and great difficulty was experienced in locating the fire. It was found necessary to break all the dead-lights in the sidewalk over the basement vaults to relieve the cellar and sub-cellar of heat and smoke, and the fire was then confined to that part of the building. The loss, as adjusted by the fire underwriters, amounted to \$207,772, on both building and stock, by fire, water and smoke. Of that amount \$184,024 was caused by damage to the stock in the upper part of the building and by smoke alone. The cause of the fire was not ascertained.

During the first quarter eight fires occurred in churches, as follows:

January 2.—St. Luke's, Nos. 483 and 485 Hudson street. A third alarm was sent for this fire, and eleven engines and four hook and ladder companies were on duty. The fire was under control in one hour.

January 9.—St. Ignatius', Nos. 54 and 56 West Fortieth street.

January 16.—Paulist Fathers', corner of Fifty-ninth street and Ninth avenue.

January 25.—St. Stephen's, Nos. 144 to 152 East Twenty-ninth street, the building extending through to East Twenty-eighth street.

January 31.—Zion, No. 451 Seventh avenue.

February 3.—Holy Communion, corner of Twentieth street and Sixth avenue. A second alarm was sent for this fire, and five engine and four hook and ladder companies were on duty. The fire was under control in one hour.

February 6.—Synagogue, No. 746 Madison avenue. A third alarm was sent for this fire, and six engine and four hook and ladder companies were on duty. The fire was under control in one hour.

February 28.—Synagogue, Nos. 646 to 650 Lexington avenue. A third alarm was sent for this fire, and three engine and four hook and ladder companies were on duty. The fire was under control in two hours.

All of the above fires occurring in churches were caused by defective construction of the heating apparatus. The Department responded promptly in each case, and the fires were extinguished before they had gained much headway.

April 22.—Mercantile establishment, Nos. 514 and 516 Broadway. The building extended through to Crosby street and was six stories in height, built of brick. It had a front of 40 feet on Broadway, was 200 feet in depth, and widened out to 100 feet front on Crosby street. The fire originated on the fifth floor and extended to the sixth floor by stairway and elevator. The alarm was received at 6.56 A. M., and on the arrival of the Department the entire building was found densely charged with heat and smoke, and as the roof was of brick, with but one scuttle opening, it was impossible to relieve the building by the usual method of opening it. Second and third alarms were sent out, and also special calls for two engines and one hook and ladder company, and after cutting through brick arches in the party wall of the adjoining building on the south side, the lines were brought to bear on the fire. The services of twelve engine and five hook and ladder companies and one water tower were required, and the fire was under control in one and one-half hours. The fifth and sixth stories were considerably damaged. Cause not ascertained. Loss, \$532,867.

June 12.—Horse railroad stable, etc., Nos. 653 to 667 West Forty-second street. The building was three stories in height, built of brick, 200 x 200 feet in area, and occupied by the Forty-second and Grand Street Ferry Railroad Company. The fire (the alarm for which was received at 10.30 P. M.) originated on the third floor, and on the arrival of the Department, had complete control of the entire floor, and extended to all parts of the building by elevators, shutters and openings of various kinds. The services of thirteen engine and four hook and ladder companies and of one floating engine (No. 43) were required, and the fire was under control in two hours. Second and third alarms were sent out and also special calls for three engine companies. The building was destroyed and the cause of the fire could not be ascertained. Loss, \$95,430.

June 28.—Storage warehouse, Nos. 432 and 434 West Twelfth street. The building was five stories in height, built of brick, extending from Bethune street, and had an area of 50 x 200 feet. The fire originated on the first floor among bales of jute (the building being used for the storage of cotton, jute, etc.), and extended to all floors and the roof by the elevator shaft. The alarm was received at 4.02 P. M. The services of eleven engine and four hook and ladder companies, and of both the floating engines (Nos. 43 and 51), were required, and the fire was under control in two hours and three-quarters. A third alarm was sent out, and the building was considerably damaged. The cause was spontaneous combustion of rags and hemp. Loss, \$211,921.

July 5.—No. 2293 Third avenue (between One Hundred and Twenty-fourth and One Hundred and Twenty-fifth streets, Harlem), a four-story brick building, 25 feet in width and 105 feet in depth, extending at right angles into and forming No. 208 East One Hundred and Twenty-fifth street, also four stories high, 25 feet front and 50 feet in depth. The first floor of this building was occupied as a fancy goods, toy, notion and fireworks store, the second floor as offices from Third avenue to the angle, and the remaining floors, together with the upper part of the buildings Nos. 210 and 212 East One Hundred and Twenty-fifth street, with which they were connected, for storage of furniture, etc. The fire originated among some fireworks on a stand in front of No. 2293 Third avenue, and, as nearly as could be ascertained, it was caused by the carelessness of an unknown person igniting the fireworks with a lighted cigar. The extreme inflammability of the stock upon the sidewalk and in the store caused a rapid spread of the flames, which extended before they could be checked to the adjoining four-story brick iron-front building, No. 2291 Third avenue, which was slightly damaged, and to Nos. 2295 and 2297, which were three-story frame buildings, 25 by 50 feet, the first being considerably and the last slightly damaged. The fire also extended to No. 206 East One Hundred and Twenty-fifth street, which was slightly damaged, and into Nos. 210 and 212 East One Hundred and Twenty-fifth street, which were considerably damaged. No. 2293 Third avenue and No. 208 East One Hundred and Twenty-fifth street being totally destroyed.

This fire occurred during the celebration of Independence Day (July 4 falling on Sunday), and the first alarm was received at 6.25 P. M. from the nearest street box, located at the corner of One Hundred and Twenty-sixth street and Third avenue. At 6.29 P. M. the second alarm was sent, the third at 6.31 P. M., and subsequently special calls for six additional companies, by direction of Chief of Battalion Reilly, who was in command until the arrival of Second Assistant Chief of Department McCabe. The companies summoned by these alarms and calls extinguished the fire.

Second Assistant Chief of Department McCabe arrived at the scene of the fire at about 7.20 P. M., when Chief of Battalion Reilly turned the command over to him with full information as to the force present, its disposition and the condition of the fire. At 7.25 P. M., an hour after the first alarm was sent, the Second Assistant Chief of Department ordered a simultaneous call (6-6-6=12=5-1-8=7-6-7), summoning all the companies due on third alarm at station No. 518 (Seventh avenue and Forty-fourth street) to station No. 767 (Third avenue and One Hundred and Twenty-sixth street). The effect of this call was to leave all of the city south to Fourteenth street without the protection of fire-extinguishing apparatus on the day of the year when fires are most frequent, and when it has for years been the policy of the Department to take every possible precaution. The Chief of Department, who arrived at the scene of the fire at about 7.35 P. M., learning that the simultaneous call had been sent, at once countermanded it, and succeeded in intercepting the approaching companies, and in returning them to quarters with the least possible loss of time.

The Assistant Chief of Department, recognizing the imminent danger to the uncovered portion of the city, on hearing the simultaneous call, at once proceeded to Headquarters and made the best possible disposition of the force remaining on duty in the lower part of the city in covering the depleted section. Nevertheless, nearly an hour elapsed before these dispositions were made, and the safety of the uncovered section was comparatively assured.

Fourteen engine and four hook and ladder companies were at work and the fire was under control in one and a half hours. The estimated loss was \$207,784.

August 9.—Southwest corner of Alexander avenue and One Hundred and Thirty-fourth street, a two-story brick building, 125 x 200 feet, occupied as a manufactory of doors, window-frames and general woodwork. At 6.09 P. M. the first alarm was received, followed at 6.10 P. M. by the second alarm, and subsequently by special calls for six engines and one hook and ladder company. The fire originated in the cellar, and owing to the nature of the contents it spread with great rapidity throughout the building, which was totally destroyed. The efforts of the force was directed to saving the adjoining property, a wood-working establishment in a two-story brick building, 75 x 100 feet, on the west, and the lumber yards on One Hundred and Thirty-third and One Hundred and Thirty-fourth streets, in which they were entirely successful. The management of this fire presents a striking contrast to that of the fire of July 5. The premises covered a larger area, the stock was fully as combustible, the danger of its extension was greater, and it required two hours (a half an hour longer than the Harlem fire) to get it under control, yet fewer companies were used in subduing it, to wit: eleven engines and three hook and ladder companies. The cause of the fire could not be ascertained, and the loss was \$60,647.

August 16.—204 to 210 Elizabeth street, building two and three story brick, 100 x 100, occupied by the Brush Electric Light Company. The fire originated on the first floor of No. 208 and extended through openings on each floor, and by stairways, throughout all parts of the building, which was considerably damaged, and also extended to the rear of the four-story brick building, Nos. 222 and 224 Bowers, 50 x 75, occupied by the Young Men's Christian Association, slightly damaging the same. The first alarm was received at 7.27 P. M., and at 7.29 P. M. a third alarm was sent out. The fire was caused by friction of machinery and required the services of eleven engines and five hook and ladder companies to extinguish it, being under control in one hour and forty minutes. The water supply was very deficient, notwithstanding that an increased pressure was signaled for. The loss was \$88,642.

August 17.—Eleventh avenue, between Twenty-first and Twenty-second streets, five-story brick, 50 x 60, occupied as a saw-mill. The fire originated on the first floor of the north wing of the building, to which it was confined, extending to the roof; the building was considerably damaged. It also extended to Nos. 602 and 604 West Twenty-second street, a two-story brick, 50 x 25, connected by a one-story frame passageway (in which the fire originated), occupied as a box factory, which was slightly damaged. The alarm was received at 11.13 P. M., and at 11.17 P. M. a third alarm was sent out. It required the services of eleven engines and four hook and ladder companies and of the floating engine 51, and was under control in one hour and forty-five minutes. The cause of the fire was friction of machinery and it caused a loss of \$35,107.

August 21.—No. 14 Jay street, an eight-story brick building, 25 x 90, occupied as a tobacco manufactory. The fire originated on the fifth floor and extended to the roof, and the building was considerably damaged. The alarm was received at 6.35 A. M., and at 6.40 A. M. a third alarm was sent out. The services of eleven engines, four hook and ladder companies and one water-tower were required, and the fire was under control in one hour and thirty minutes. The cause was overheating the drying room, and the loss was \$23,262.

August 24.—Nos. 501 to 505 East Seventieth street, a five-story brick building, 75 x 60 feet, occupied as a moulding and saw-mill. The fire originated in the basement and extended to all parts of the building, which was considerably damaged. The first alarm was received at 5.55 A. M. Some delay in sending out the alarm, after the discovery of the fire, was caused by box 629 being temporarily out of circuit and the consequent necessity of using box 628, from which the alarm was sent. At 6.05 A. M. a second, and at 6.11 A. M. a third alarm was sent out. It required the services of ten engines and three hook and ladder companies to extinguish the fire, and the same was under control in one hour and thirty-five minutes. The cause was an over-heated boiler, and the loss was \$21,170.

August 28.—Nos. 126 to 132 Hudson street; building six-story brick, 65 x 100 feet, occupied as a wholesale grocery business. The fire originated on the second floor and extended to the roof by the hatchway; the building was considerably damaged. The first alarm was received at 5.17 P. M., and at 5.22 P. M. a second, and at 5.24 P. M. a third alarm was sent. Special calls were also sent for two engine companies. The fire required the services of thirteen engines, two hook and ladder companies and one water-tower, and was under control in one hour and fifteen minutes. The cause was supposed carelessness of workmen smoking, and the loss was \$21,180.

October 18.—Nos. 122 to 134 Goerck street, one, four and five story brick building, 135 by 100 feet, occupied on the fourth story by L. Ottman & Co., manufacturers of extension tables, and the first and fifth story occupied by Peter Kehr as a desk manufactory. The cause, as nearly as could be ascertained, was that sparks from the furnace ignited sawdust on beams in saw-mill. The fire originated on the first floor and extended to the roof, considerably damaging the building. The first alarm was received at 11.14 P. M., while the companies due at station No. 229 (the nearest to the

scene of fire) were in service at a fire at Nos. 28 to 30 Corlears street. In conformity with standing orders the operator at Headquarters at once sent special calls for Engine No. 20 and the second section of Hook and Ladder Company No. 9 to Station No. 229, and on the arrival of Engine Company No. 20 the commanding officer immediately sent out a third alarm. The fire required the services of ten engines and four hook and ladder companies, and of the fire-boat "Zophar Mills" (Engine Company No. 51), and was under control in one hour and forty minutes. The water supply was entirely inadequate, a condition due to the smallness of the street mains in this section of the city and to the fact that the fire in Corlears street had partly exhausted the supply. Loss, \$93,000.

#### WATER CONSUMPTION.

It is estimated that 20,863,500 gallons of water were used by the land engines of the Department in extinguishing fires, including that taken from the rivers; an estimated quantity of 4,976,250 gallons of river water was used by the two floating engines, the total used for this purpose being 25,839,750 gallons.

#### MERITORIOUS SERVICES.

The following rescues at fires and elsewhere involving personal risk were recorded on the roll of merit for the year:

Assistant Foreman Edward Meehan, of Engine Company No. 12, while on leave of absence on August 19, rescued Charles Eberhardt, age 9, from drowning at Staten Island, under circumstances of great risk to himself.

Foreman Peter H. Short, of Hook and Ladder Company No. 1 (since promoted Chief of Battalion) added to his previous record in the line of life-saving (see Report for 1885) on April 18, by leading two members of his company, Fireman 1st grade Walter H. Tompkins, and Fireman 2d grade Thomas Larkin, up the fire escape through dense smoke to the fourth story of the house No. 80 Mulberry street, from which they rescued Mrs. Hannah Riley, aged forty years, and her three children Mary, James and Margaret, aged respectively eight, five and two years.

The lower part of the fire-escape became enveloped in flame after Foreman Short and Fireman Tompkins and Larkin had reached the fourth story, and they were compelled to wait at the windows until the fire had been driven back by the streams of the engine companies.

Fireman 1st grade John D. Dalrymple, of Hook and Ladder Company No. 4, on September 27, rescued Edmund O'Brien, aged twenty-five years, from the roof of the three story extension to the burning building, No. 38 West Fortieth street. Fireman Dalrymple equipped with a life-saving belt and roof rope, from a yard adjoining the extension threw the rope to O'Brien, who held it while Dalrymple climbed up hand over hand to the roof and fastening the rope to O'Brien's body, lowered him to the ground; Dalrymple then threw the rope to a fireman on the adjoining building and climbed to the roof. Although the fire did not extend to the extension, and O'Brien was not endangered by it, his rescue from the position described was a necessity and was accomplished with much risk to Fireman Dalrymple.

Fireman 1st grade Washington Ryer, of Engine Company No. 12, at the time on leave of absence, on November 22, rescued from the third floor of No. 2149 Third avenue, Jessie and Bessie Whittle, aged respectively eleven and thirteen years. The building was on fire in the cellar and extended through the dumb-waiter-shaft to the third and fourth floors, filling the house with heat and smoke and cutting off all means of escape. Fireman Ryer made his way up the stairs of the burning building to the third floor, found the girls in an unconscious state on the floor, and wrapping a quilt around them, carried them to the street. He afterwards volunteered his services in extinguishing the fire.

Fireman 1st grade Joseph J. Nimphius, of Hook and Ladder Company No. 14, at the fire referred to in the last preceding case, rescued from the fourth floor Mary Adams, aged 50 years, who was helpless by reason of having a broken leg, and had also become unconscious, carrying her down the ladder to the ground.

Fireman 1st grade Michael Brady, of Engine Company No. 34, with the scaling-ladder carried upon the tender of that company, rescued Gustave Schonthaler, aged 38 years, who, upon the arrival of the company, was hanging out of a third-story window of the building No. 232 West Thirty-third street, on December 22. The fire in the building had cut off all means of escape for Schonthaler, and the firemen shouted to him to hold out until help came. Fireman Brady ascended to the third floor alone, and under his instructions they alternately held the ladder in descending. It is considered that Fireman Brady in going upon the ladder while it was held by an inexperienced person took considerable risk.

#### THE BENNETT AND STEPHENSON MEDALS.

The former of these medals was awarded to Chief of Battalion Peter H. Short for meritorious services rendered in the year 1885, the details of which were given in the report for that year in the following language:

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.

And the Stephenson Medal was awarded to Foreman Joseph Shaw, of Hook and Ladder Company No. 13, who was adjudged to be the most deserving among the company commanders during 1885.

The presentation of both medals took place at Washington Square on September 25, in the presence of a large concourse of people, and of a brigade of the Department which was reviewed at that point.

The presentation was made by the Honorable Randolph B. Martine, District Attorney. A detachment of officers and men also gave an exhibition of the practical use of scaling ladders, life lines, jumping sheets and other life-saving appliances, and the exercises were terminated by a short street parade of the brigade.

#### LIFE SAVING CORPS AND SCHOOL OF INSTRUCTION.

The practical instruction in the use of life-saving appliances has been continued during the year, at the old building at the foot of One Hundred and Fifty-eighth street, North river. The number of members of the uniformed force who have received certificates showing that they have successfully passed through this course of instruction, is steadily increasing.

#### Casualties.

The number of human lives lost and persons injured at fires and in connection with the operation of the Department at, and in responding to alarms for fires, as nearly as could be ascertained, is 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	12	10	22	113	33	146	125	45	170
Others—Before arrival of Department..	..	..	..	24	2	26	27	..	27	33	2	84	4	88
" After arrival of Department..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total.....	..	..	..	24	4	28	39	22	146	35	151	209	49	258



## Losses and Insurance.

	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	YEAR.
<b>Estimated loss—</b>													
On buildings and vessels.....	\$96,904 00	\$49,265 00	\$40,908 00	\$59,524 00	\$28,431 00	\$116,990 00	\$68,807 00	\$91,598 00	\$16,670 00	\$69,110 00	\$29,624 00	\$49,721 00	\$717,612 00
On contents.....	211,003 00	303,997 00	78,622 00	619,869 00	121,242 00	289,808 00	251,836 00	215,242 00	53,259 00	157,468 00	136,046 00	184,806 00	2,623,198 00
Total.....	\$307,907 00	\$353,262 00	\$119,530 00	\$679,393 00	\$149,673 00	\$406,798 00	\$320,643 00	\$306,840 00	\$69,929 00	\$226,578 00	\$165,730 00	\$234,527 00	\$3,340,810 00
<b>Estimated insurance—</b>													
On buildings and vessels.....	\$1,710,289 00	\$1,687,900 00	\$994,200 00	\$1,710,350 00	\$1,071,200 00	\$1,025,286 00	\$1,345,450 00	\$980,275 00	\$649,500 00	\$1,171,100 00	\$842,494 00	\$1,491,700 00	\$14,679,744 00
On contents.....	1,002,261 00	1,003,404 00	535,425 00	2,164,680 00	547,000 00	939,263 00	1,276,550 00	481,550 00	359,093 00	820,695 00	734,000 00	1,577,742 00	11,641,663 00
Total.....	\$2,712,550 00	\$2,691,304 00	\$1,529,625 00	\$3,875,030 00	\$1,618,200 00	\$1,964,549 00	\$2,622,000 00	\$1,461,825 00	\$1,008,593 00	\$1,991,795 00	\$1,576,494 00	\$3,069,442 00	\$26,321,407 00
<b>Estimated uninsured loss—</b>													
On buildings and vessels.....	\$2,514 00	\$498 00	\$3,465 00	\$690 00	\$258 00	\$1,225 00	\$132 00	\$17,500 00	\$1,690 00	\$29,112 00	\$336 00	\$4,585 00	\$62,115 00
On contents.....	10,874 00	8,375 00	3,609 00	4,989 00	12,704 00	7,143 00	104,216 00	21,923 00	1,063 00	29,914 00	3,068 00	10,462 00	218,640 00
Total.....	\$13,388 00	\$8,873 00	\$7,074 00	\$5,679 00	\$12,962 00	\$8,668 00	\$104,348 00	\$39,423 00	\$2,753 00	\$59,026 00	\$3,404 00	\$15,047 00	\$280,755 00
Average loss per fire.....	\$1,272 34	\$1,620 46	\$561 73	\$3,594 56	\$890 91	\$2,767 33	\$1,282 57	\$1,695 26	\$482 27	\$1,078 95	\$228 65	\$891 35	\$1,383 35

## Extent of Loss at Fires.

	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.....	77	69	76	63	67	58	104	85	57	81	82	85	904	.37	\$10 at 904 fires.
Between \$10 and \$50.....	33	40	40	26	35	26	65	32	42	39	45	55	498	.20	50 at 1,402 "
" 50 " 100.....	26	26	13	29	13	14	22	14	12	15	17	23	224	.09	100 at 1,626 "
" 100 " 1,000.....	58	51	49	45	38	31	44	32	24	42	32	66	512	.21	1,000 at 2,138 "
" 1,000 " 5,000.....	17	22	16	14	10	12	10	9	7	25	16	19	177	.07	5,000 at 2,315 "
" 5,000 " 10,000.....	3	8	6	8	1	2	1	2	1	5	5	8	70	.02	10,000 at 2,365 "
" 10,000 " 20,000.....	3	..	2	3	1	1	1	1	2	2	1	6	23		20,000 at 2,368 "
" 20,000 " 30,000.....	1	1	..	..	2	1	1	3	..	..	1	1	11		30,000 at 2,399 "
" 30,000 " 40,000.....	2	..	..	..	1	..	1	1	..	..	..	..	5		40,000 at 2,404 "
" 40,000 " 50,000.....	2	..	..	..	..	..	..	..	..	..	..	..	2		50,000 at 2,406 "
" 50,000 " 60,000.....	..	..	..	..	..	..	..	..	..	..	1	..	1		60,000 at 2,407 "
" 60,000 " 70,000.....	..	..	..	..	..	..	..	1	..	..	..	..	1		70,000 at 2,408 "
" 70,000 " 80,000.....	..	..	..	..	..	..	..	1	..	..	..	..	1		80,000 at 2,409 "
" 80,000 " 90,000.....	..	..	..	..	..	1	..	..	..	1	..	..	2		90,000 at 2,411 "
" 90,000 " 100,000.....	..	1	..	..	..	1	1	..	..	..	..	..	3		100,000 at 2,412 "
" 100,000 " 200,000.....	..	..	..	1	..	..	..	..	..	..	..	..	1		200,000 at 2,414 "
" 200,000 " 500,000.....	..	..	..	..	..	..	..	..	..	..	..	..	1		500,000 at 2,415 "
Total.....	242	218	202	189	168	147	250	181	145	210	203	263	2,415		

## Strength of Uniformed Force, Number of Fires, with Losses, Population, Number of Buildings, etc., from 1866 to 1886.

YEAR.	STRENGTH OF UNIFORMED FORCE.	Number of Fires.	Loss by Fire.	Average Loss per Fire.	Population.	Number of Inhabitants to each Fire.	Number of Inhabitants to each Fire.	Amount of Loss to each Inhabitant.	Number of Buildings.	Number of Buildings to each Fire.	YEAR.	STRENGTH OF UNIFORMED FORCE.	Number of Fires.	Loss by Fire.	Average Loss per Fire.	Population.	Number of Inhabitants to each Fire.	Number of Inhabitants to each Fire.	Amount of Loss to each Inhabitant.	Number of Buildings.	Number of Buildings to each Fire.
	No. of Companies No. of Officers and Men.											No. of Companies No. of Officers and Men.									
1866.....	54 961	796	\$6,428,000 00	\$8,075 38	1769,553	798	967	\$8 35	864,000	80	1877.....	65 732	1,450	\$3,210,695 00	\$2,214 27	.....	.....	.....	.....	.....	.....
1867.....	54 919	873	5,711,000 00	6,541 81	.....	.....	.....	.....	.....	.....	1878.....	65 727	1,654	1,884,505 00	1,139 36	.....	.....	.....	.....	.....	.....
1868.....	52 592	740	4,342,000 00	5,867 57	.....	.....	.....	.....	.....	.....	1879.....	64 729	1,551	5,671,580 00	3,656 72	.....	.....	.....	.....	.....	.....
1869.....	52 599	850	2,696,393 00	3,172 23	.....	.....	.....	.....	.....	.....	1880.....	65 748	1,783	3,183,440 00	1,785 44	1,206,299	1,613	676	2 64	.....	.....
1870.....	52 596	964	2,120,212 00	2,199 39	342,292	1,581	977	2 25	.....	.....	1881.....	66 769	1,785	5,820,259 00	3,260 55	.....	.....	.....	.....	.....	.....
1871.....	52 596	1,258	2,127,356 00	1,691 06	.....	.....	.....	.....	.....	.....	1882.....	67 826	2,001	4,195,960 00	2,096 43	.....	.....	.....	.....	1102,624	51
1872.....	52 596	1,649	2,891,818 00	1,753 67	.....	.....	.....	.....	.....	.....	1883.....	68 895	2,169	3,512,848 00	1,619 37	.....	.....	.....	.....	1101,735	47
1873.....	54 651	1,470	4,022,640 00	2,736 48	.....	.....	.....	.....	.....	.....	1884.....	70 919	2,406	3,474,547 00	1,444 12	.....	.....	.....	.....	.....	.....
1874.....	64 1712	1,355	1,430,306 00	1,055 58	.....	.....	.....	.....	.....	.....	1885.....	71 927	2,479	3,789,283 00	1,528 55	.....	.....	.....	.....	1104,250	42
1875.....	67 748	1,418	3,472,536 00	1,743 67	1,041,286	1,392	734	2 37	1184,200	59	1886.....	71 951	2,415	3,340,810 00	1,383 35	.....	.....	.....	.....	.....	.....
1876.....	68 747	1,382	3,851,213 00	2,786 70	.....	.....	.....	.....	.....	.....	Total, 21 years.....	.....	32,448	\$76,177,101 00	\$2,347 67	.....	.....	.....	.....	.....	.....

\* Includes about 400 volunteer firemen.

† Annexation of territory north and east of Harlem river.

‡ Estimate based on census of 1885.

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

|| Exclusive of sheds, bridges and piers.

## Number of Fires and Losses, 1867-1886, by Five-Year Periods.

	NUMBER OF FIRES.	AMOUNT OF LOSS.	AVERAGE LOSS PER FIRE.		NUMBER OF FIRES.	AMOUNT OF LOSS.	AVERAGE LOSS PER FIRE.
1867-1871.....	4,625	\$16,996,961 00	\$3,627 95	1877-1881.....	8,223	\$19,770,469 00	\$2,404 29
1872-1876.....	7,274	14,668,513 00	2,016 57	1882-1886.....	11,470	18,292,695 00	1,594 82

It will be seen from the above statistics that the average loss per fire was nearly 25 per cent. less for the last five years than for the lowest preceding five years since the organization of the Fire Department.

ORIGIN.	CAUSE.							PREMISES WHEREIN FIRE ORIGINATED OCCURRED 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.	Piers, Docks, Ferry Houses, etc.	Vessels.		Miscellaneous.	Total.
<i>In Heating.</i>																							
Beams built into chimneys and fireplaces.....	..	..	5	..	..	..	..	5	5	..	..	..	..	..	..	..	..	..	..	..	..	5	\$255 00
Chimneys, fireplaces, flues, grates, etc.....	..	..	44	..	..	..	..	44	33	..	5	..	2	..	..	..	4	..	..	..	..	44	40,689 00
Foul chimneys.....	..	181	..	..	..	..	..	181	170	2	4	2	3	..	..	..	..	..	..	..	..	181	288 00
Kerosene oil used in lighting fires.....	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	.....
Soot in flues and fireplaces igniting woodwork.....	1	13	..	..	..	..	..	14	13	1	..	..	..	..	..	..	..	..	..	..	..	14	260 00
Sparks from stoves, chimneys, stove-pipes, etc., igniting woodwork, clothing, etc.....	20	4	..	..	..	..	..	24	15	1	3	1	2	..	1	..	1	..	..	..	..	24	7,101 00
Steam-pipes igniting floor-beams, woodwork, etc.....	2	..	..	..	..	..	..	2	..	..	..	..	..	..	2	..	..	..	..	..	..	2	9,631 00
Stoves, boilers, furnaces, stove and heater pipes igniting bedding, clothing, woodwork, etc.....	50	96	..	..	..	..	..	146	86	20	23	3	3	..	1	..	5	3	..	1	1	146	89,618 00
Stoves, furnaces and grates, hot coals falling from.....	17	5	..	..	..	..	..	22	13	2	5	1	..	..	..	1	..	..	..	..	..	22	5,602 00
Stoves upsetting.....	6	1	..	..	2	..	..	9	5	..	..	..	1	..	..	..	..	..	1	2	9	211 00	
Water-back of range bursting.....	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	385 00	
Total in heating.....	97	301	49	..	2	..	..	449	342	26	40	7	11	..	2	2	11	3	..	2	3	449	.....
(Loss.....)	\$64,402	\$48,689	\$40,944	..	\$5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$154,040 00
<i>In Illuminating.</i>																							
Calcium-lights.....	2	..	..	..	..	..	..	2	..	..	..	..	..	..	..	2	..	..	..	..	..	2	.....
Electric-lights, sparks from.....	14	..	..	..	..	..	..	14	2	4	1	1	3	..	2	..	..	1	..	..	14	\$6,450 00	
Gas, explosion of.....	3	..	..	..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..	..	..	3	102 00
Gas escaping and igniting.....	10	20	..	1	..	..	..	31	12	11	2	2	2	..	1	..	..	..	..	1	31	147,488 00	
Gas-lights, candles, lamps, etc., igniting merchandise in stores, show-rooms, windows, and bedding, straw, woodwork, rubbish, etc.....	7	191	..	..	1	..	..	199	152	25	11	1	1	..	1	2	6	..	..	..	199	97,335 00	
Gasoline, explosion of.....	3	2	..	..	..	..	..	5	..	..	3	..	..	..	..	..	..	..	..	2	5	50 00	
Lamps, gasoline, taking fire.....	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	15 00	
Lamps, kerosene-oil, breaking.....	9	3	..	..	2	..	..	14	11	2	..	..	..	..	1	..	..	..	..	..	14	10,006 00	
Lamps, kerosene-oil, exploding.....	114	20	..	..	..	..	..	134	112	4	11	..	1	..	1	..	1	..	2	2	134	49,318 00	
Lamps, kerosene-oil, falling.....	20	23	..	..	2	..	..	45	40	3	1	..	..	..	..</								



ORIGIN.	CAUSE.							PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—														Aggregate Loss to Structures and Contents	
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischievouness.	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 Yards.	Piers, Docks, Ferry Houses, etc.	Vessels.	Miscellaneous.	Total.		
Foul chimneys.....	..	36	..	..	..	..	..	36	36	..	..	..	..	..	..	..	..	..	..	..	36	.....	
Gas-light igniting curtains, etc.....	..	1	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..	..	..	..	1	\$1,645 00	
Gas-stoves, etc.....	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	12,600 00	
Hot ashes igniting woodwork.....	3	28	..	..	..	..	..	31	17	2	9	..	..	2	..	..	..	..	..	1	31	25,596 00	
Kerosene oil poured over woodwork and ignited.....	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	25 00	
Kerosene-oil stoves exploding.....	3	..	..	..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..	..	3	858 00	
Kerosene-oil stoves upsetting and falling.....	4	8	..	..	..	..	..	12	12	..	..	..	..	..	..	..	..	..	..	..	12	9,166 00	
Kerosene-oil stoves taking fire.....	30	..	..	..	..	..	..	30	28	..	2	..	..	..	..	..	..	..	..	..	30	5,349 00	
Matches, children playing with.....	..	1	..	135	..	..	..	136	120	6	5	..	1	2	..	..	..	..	..	2	136	23,634 00	
Matches gnawed by rats and mice.....	..	21	..	..	..	..	..	21	7	4	4	5	..	..	..	1	..	..	..	..	21	14,877 00	
Matches igniting awnings, straw, rubbish, woodwork, etc.....	8	153	..	5	7	25	..	198	108	26	37	1	3	1	14	..	2	..	..	6	198	97,803 00	
Not ascertained.....	..	..	..	..	..	..	65	65	20	17	20	..	5	..	1	..	1	..	..	..	65	1,219,991 00	
Phosphorus igniting.....	..	1	..	..	..	..	..	1	1	..	..	..	..	1	..	..	..	..	..	..	1	.....	
Rekindling of previous fire.....	..	..	..	..	..	..	5	5	3	..	..	..	..	1	..	..	..	..	..	1	5	.....	
Rubbish, etc., igniting.....	..	3	..	2	..	..	4	9	5	..	..	1	..	..	..	..	..	..	..	3	9	17,501 00	
Set on fire by an insane person.....	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	40 00	
Soot ignited in fire-places and flues.....	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	.....	
Sparks from chimneys, stoves, etc.....	5	2	..	..	..	..	..	7	5	1	1	..	..	..	..	..	..	..	..	..	7	901 00	
Sparks from distant fire.....	5	..	..	..	..	..	..	5	1	1	1	..	..	..	..	..	..	..	1	1	5	805 00	
Spontaneous combustion of oily rubbish, etc.....	3	1	..	..	..	..	..	4	2	..	1	..	1	..	..	..	..	..	..	..	4	3,055 00	
Stoves, stove pipes, etc., heat from, igniting woodwork, etc.....	1	5	..	..	..	..	..	6	5	..	1	..	..	..	..	..	..	..	..	..	6	129 00	
Stoves upsetting.....	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	15 00	
Sulphur igniting clothing, etc.....	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	.....	
Thawing out water-pipes with candles, lamps, lighted papers, etc.....	1	32	..	..	..	..	..	33	26	3	1	1	..	2	..	..	..	..	..	..	33	2,839 00	
Tramps building fires in woods, unoccupied houses, etc.....	..	3	..	..	..	..	..	3	..	1	..	1	..	..	..	..	..	..	..	1	3	.....	
Total in miscellaneous.....	78	547	19	222	7	27	74	974	541	115	156	18	25	3	45	4	6	1	1	5	54	974	.....
Loss.....	\$13,869	\$622,402	\$3,189	\$27,532	\$251	\$14,832	\$1,237,492	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$1,919,567 00
Recapitulation.																							
In Heating.....	97	301	49	..	2	..	..	449	342	26	40	7	11	..	2	2	11	3	..	2	3	449	\$154,040 00
In Illuminating.....	203	441	..	2	5	..	..	651	465	78	52	5	9	..	17	6	6	1	2	2	8	651	338,158 00
In Manufacturing, etc.....	231	98	12	..	..	..	..	341	40	34	197	2	20	2	5	5	1	4	2	7	22	341	929,045 00
In Miscellaneous.....	78	547	19	222	7	27	74	974	541	115	156	18	25	3	45	4	6	1	1	5	54	974	1,919,567 00
Aggregate.....	609	1,387	80	224	14	27	74	2,415	1,388	253	445	32	65	5	69	17	24	9	5	16	87	2,415	.....
Loss.....	\$996,519	\$1,006,486	\$57,470	\$27,567	\$444	\$14,832	\$1,237,492	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$3,340,810 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.	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.	Piers, Docks, Ferry-houses, etc.		Vessels.	Miscellaneous.	Total.
In Heating.																							
January .....	24	39	16	..	..	..	..	79	52	7	8	1	2	..	..	..	5	1	..	1	2	79	\$40,348 00
February .....	19	44	11	..	..	..	..	74	49	7	9	1	2	..	..	1	3	1	..	1	..	74	40,821 00
March .....	14	43	4	..	1	..	..	62	47	4	6	..	2	..	..	..	1	1	..	..	1	62	9,360 00
April .....	7	28	2	..	..	..	..	37	32	..	5	..	..	..	..	..	..	..	..	..	..	37	12,135 00
May .....	3	23	3	..	..	..	..	29	24	..	1	1	1	..	1	..	1	..	..	..	..	29	328 00
June .....	5	16	1	..	..	..	..	22	20	..	..	..	2	..	..	..	..	..	..	..	..	22	1,025 00
October .....	2	23	4	..	..	..	..	29	25	1	3	..	..	..	..	..	..	..	..	..	..	29	13,227 00
November .....	9	35	3	..	..	..	..	47	36	5	3	1	1	..	..	..	..	1	..	..	..	47	10,950 00
December .....	14	50	5	..	1	..	..	70	57	2	5	3	1	..	1	1	..	..	..	..	..	70	25,846 00
Total .....	97	301	49	..	2	..	..	449	342	26	40	7	11	..	2	2	10	4	..	2	3	449	\$154,040 00
In Illuminating.																							
January .....	16	49	..	..	..	..	..	65	48	10	3	..	2	..	1	..	1	..	..	..	..	65	\$31,683 00
February .....	12	32	..	..	..	..	..	44	29	8	5	..	..	..	1	1	..	..	..	..	..	44	17,984 00
March .....	9	39	..	..	..	..	..	48	38	2	3	..	2	..	2	..	..	..	1	..	..	48	10,372 00
April .....	16	37	..	1	1	..	..	55	34	8	9	..	..	..	2	2	..	..	..	..	..	55	42,130 00
May .....	14	30	..	..	2	..	..	46	35	2	3	1	1	..	1	..	3	..	..	..	..	46	13,737 00
June .....	19	18	..	..	..	..	..	37	18	10	4	..	1	..	1	..	..	..	..	..	3	37	51,310 00
July .....	15	17	..	..	..	..	..	32	26	3	1	..	..	..	1	..	..	..	..	1	32	7,149 00	
August .....	16	32	..	..	1	..	..	49	38	3	3	1	1	..	..	..	..	2	..	1	49	13,477 00	
September .....	14	33	..	1	..	..	..	48	34	7	2	2	1	..	..	1	..	..	..	..	1	48	20,748 00
October .....	23	55	..	..	..	..	..	78	51	8	8	..	1	..	5	..	2	1	..	..	2	78	27,592 00
November .....	16	48	..	..	..	..	..	64	48	8	5	..	..	..	2	1	..	..	..	..	..	64	19,993 00
December .....	33	51	..	..	1	..	..	85	66	9	6	1	..	..	1	1	..	..	1	..	85	81,983 00	
Total .....	203	441	..	2	5	..	..	651	465	78	52	5	9	..	17	6	6	1	2	2	8	651	\$338,158 00

ORIGIN, BY MONTHS.	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.	Piers, Docks, Ferry-houses, etc.	Vessels.		Miscellaneous.	Total.
<i>In Manufacturing and other Business.</i>																							
January.....	7	14	1	..	..	..	..	22	2	..	17	..	..	..	..	2	..	..	1	..	..	22	\$86,661 00
February.....	21	8	..	..	..	..	..	29	..	5	17	..	1	..	..	2	1	..	1	..	2	29	49,773 00
March.....	17	6	..	..	..	..	..	23	1	3	11	..	1	1	2	1	..	1	..	1	1	23	8,839 00
April.....	19	8	1	..	..	..	..	28	6	1	19	..	..	..	..	..	..	..	..	..	2	28	35,665 00
May.....	24	3	..	..	..	..	..	27	4	2	15	..	1	..	..	..	..	1	..	1	3	27	51,835 00
June.....	15	5	2	..	..	..	..	22	2	3	13	1	1	1	..	..	..	..	..	..	1	22	225,581 00
July.....	27	8	1	..	..	..	..	36	4	2	25	..	..	..	..	..	..	2	..	1	2	36	36,621 00
August.....	27	10	..	..	..	..	..	37	7	6	21	..	2	..	..	..	..	..	..	..	1	37	194,645 00
September.....	24	5	3	..	..	..	..	32	4	2	14	1	5	..	1	..	..	..	..	1	4	32	26,112 00
October.....	16	13	2	..	..	..	..	31	3	1	18	..	4	..	1	..	..	..	..	1	3	31	125,985 00
November.....	20	9	1	..	..	..	..	30	3	7	12	..	3	..	1	..	..	..	..	1	3	30	49,026 00
December.....	14	9	1	..	..	..	..	24	4	2	15	..	2	..	..	..	..	..	..	1	..	24	38,002 00
Total.....	231	98	12	..	..	..	..	341	40	34	197	2	20	2	5	5	1	4	2	7	22	341	\$929,045 00
<i>Miscellaneous.</i>																							
January.....	6	47	..	16	..	2	5	76	44	10	9	2	1	..	4	..	1	..	1	1	3	76	\$149,215 00
February.....	2	51	..	7	..	..	11	71	46	9	9	2	1	..	2	..	..	..	..	..	2	71	244,684 00
March.....	1	45	..	14	..	3	6	69	31	7	18	2	2	..	3	..	1	..	..	..	5	69	90,959 00
April.....	9	35	..	16	..	2	7	69	32	6	14	4	1	1	6	..	..	..	..	..	5	69	589,463 00
May.....	2	32	..	14	2	6	10	66	30	7	19	..	4	..	2	..	2	..	..	..	2	66	83,773 00
June.....	7	34	..	16	..	2	7	66	28	12	11	1	1	..	5	..	1	..	..	..	7	66	128,882 00
July.....	16	93	11	31	1	3	7	182	111	28	20	1	8	..	3	..	..	..	..	..	11	182	276,873 00
August.....	13	50	6	18	2	3	3	95	69	5	10	1	1	1	6	..	1	..	..	..	1	95	98,718 00
September.....	11	34	2	12	1	2	3	65	48	2	5	1	1	..	5	1	..	..	..	..	2	65	22,769 00
October.....	5	36	..	20	..	2	9	72	29	11	13	2	4	1	2	..	..	..	..	2	8	72	59,774 00
November.....	4	37	..	15	..	2	1	50	24	9	14	..	..	..	3	1	..	1	..	..	7	59	85,761 00
December.....	2	53	..	23	1	..	5	84	49	9	14	2	1	..	4	2	..	..	..	2	1	84	88,696 00
Total.....	78	547	19	222	7	27	74	974	541	115	156	18	25	3	45	4	6	1	1	5	54	974	\$1,919,567 00
<i>Recapitulation.</i>																							
In Heating.....	97	301	49	..	2	..	..	449	342	26	40	7	11	..	2	2	10	4	..	2	3	449	\$154,040 00
In Illuminating.....	203	441	..	2	5	..	..	651	465	78	52	5	9	..	17	6	6	1	2	2	8	651	338,153 00
In Manufacturing and other Business.....	231	98	12	..	..	..	..	341	40	34	197	2	20	2	5	5	1	4	2	7	22	341	929,045 00
Miscellaneous.....	78	547	19	222	7	27	74	974	541	115	156	18	25	3	45	4	6	1	1	5	54	974	1,919,567 00
Total.....	609	1,387	80	224	14	27	74	2,415	1,388	253	445	32	65	5	69	17	21	10	5	16	87	2,415	\$3,340,810 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	..	3	..	3	..	1	..	1	2	6	..	8	4	12	..	16	\$595 00	\$2,919 00	\$3,514 00
February.....	3	5	1	9	..	1	..	1	..	7	1	8	2	4	..	6	5	17	2	24	6,401 00	16,835 00	23,236 00
March.....	..	3	..	3	..	1	1	2	..	2	..	2	1	8	..	9	1	14	1	16	15,715 00	26,054 00	41,779 00
April.....	..	1	..	1	1	2	..	3	..	7	..	7	1	7	..	8	2	16	..	18	5,491 00	25,977 00	31,468 00
May.....	..	1	..	1	..	1	..	1	..	4	..	4	2	4	..	6	2	10	..	12	4,023 00	39,606 00	43,629 00
June.....	..	..	..	..	..	3	..	3	..	3	..	3	1	5	1	7	1	12	1	14	1,531 00	10,549 00	12,080 00
July.....	..	..	..	..	..	..	..	..	..	4	1	5	1	7	2	10	1	11	3	15	1,021 00	3,916 00	4,937 00
August.....	..	..	..	..	1	2	..	3	..	5	..	5	1	3	1	5	2	10	1	13	3,275 00	13,654 00	16,929 00
September.....	..	..	..	..	..	3	..	3	..	5	1	6	3	1	..	4	3	9	1	13	1,773 00	11,631 00	13,404 00
October.....	1	..	..	1	..	3	..	3	1	5	..	6	2	6	..	8	4	14	..	18	2,354 00	14,421 00	16,775 00
November.....	1	1	..	2	2	3	..	5	..	2	..	2	..	4	..	4	3	10	..	13	3,130 00	4,755 00	7,885 00
December.....	1	2	..	3	1	1	1	3	..	3	..	3	..	2	1	3	2	8	2	12	1,668 00	19,897 00	21,565 00
Total.....	8	15	1	24	5	23	2	30	1	48	3	52	16	57	5	78	30	143	11	184	\$46,977 00	\$190,224 00	\$237,201 00

Number of buildings in district—  
Dwellings..... 1,019  
Business..... 3,805  
Total..... 4,824

Number of fires in dwellings..... 30  
Number of fires in business buildings..... 143  
Total fires in buildings..... 173

Number of dwellings to each fire..... 34  
Number of business places to each fire..... 27  
Number of buildings to each fire..... 28



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	..	1	3	1	..	..	1	..	..	..	..	1	1	..	2	4	1	1	6	\$200 00	\$217 00	\$417 00
February.....	1	1	..	2	1	..	..	1	..	1	..	1	2	1	..	3	4	3	..	7	195 00	110 00	305 00
March.....	2	1	..	3	1	..	..	1	..	1	1	2	..	..	..	..	3	2	1	6	534 07	1,885 00	2,419 00
April.....	5	..	..	5	2	..	..	2	..	..	..	..	1	2	..	3	8	2	..	10	110 00	175 00	285 00
May.....	..	..	..	..	2	..	..	2	..	1	..	1	2	2	..	4	4	3	..	7	197 00	400 00	597 00
June.....	1	..	..	1	1	..	..	1	..	1	..	1	1	2	..	3	3	3	..	6	1,275 00	1,719 00	2,994 00
July.....	..	..	..	..	..	..	..	..	..	2	..	2	9	4	..	13	9	6	..	15	1,316 00	10,415 00	11,731 00
August.....	..	..	..	..	1	..	..	1	..	1	..	1	2	1	..	3	3	2	..	5	11,187 00	33,320 00	44,507 00
September.....	..	..	..	..	..	1	..	1	..	2	..	2	1	2	..	3	1	5	..	6	516 00	617 00	1,133 00
October.....	2	1	..	3	1	1	..	2	..	2	1	3	..	1	..	1	3	5	1	9	725 00	11,662 00	12,387 00
November.....	4	..	..	4	1	1	..	2	..	4	1	5	1	..	..	1	6	5	1	12	3,067 00	12,310 00	15,377 00
December.....	2	1	..	3	..	1	..	1	..	..	1	1	..	1	1	2	2	3	2	7	1,807 00	2,083 00	3,890 00
Total.....	19	4	1	24	11	4	..	15	..	15	4	19	20	17	1	38	50	40	6	95	\$21,129 00	\$74,913 00	\$96,042 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..... 40

Total fires in buildings..... 90

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

Number of business places to each fire..... 23

Number of buildings to each fire..... 36

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	4	..	5	..	3	..	3	..	3	..	3	1	6	..	7	2	16	..	18	\$7,551 00	\$65,530 00	\$73,081 00
February.....	..	1	..	1	..	1	..	1	..	1	..	1	..	5	..	5	..	8	..	8	2,963 00	16,896 00	19,859 00
March.....	..	..	..	..	..	1	..	1	..	..	..	..	..	4	..	4	..	5	..	5	1,551 00	11,030 00	12,581 00
April.....	..	1	..	1	1	2	..	3	..	1	..	1	..	4	..	4	1	8	..	9	37,392 00	506,378 00	543,770 00
May.....	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..	3	..	3	1,072 00	27,128 00	28,200 00
June.....	2	..	..	2	..	..	..	..	..	1	..	1	..	3	..	3	2	4	..	6	1,554 00	11,027 00	12,581 00
July.....	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..	3	..	3	721 00	1,273 00	1,994 00
August.....	..	..	..	..	..	1	..	1	..	1	..	1	1	..	..	1	1	2	..	3	300 00	1,862 00	2,162 00
September.....	..	..	..	..	..	1	..	1	..	..	..	..	..	1	..	1	1	1	..	2	..	10 00	10 00
October.....	..	1	..	1	..	1	..	1	..	..	..	..	..	1	..	1	..	3	..	3	778 00	2,427 00	3,205 00
November.....	..	1	..	1	..	1	..	1	..	1	..	1	..	4	..	4	..	7	..	7	1,022 00	9,490 00	10,512 00
December.....	2	1	..	3	..	1	..	1	..	3	..	3	..	5	..	5	2	10	..	12	5,465 00	34,727 00	40,192 00
Total.....	5	9	..	14	1	12	..	13	..	11	..	11	3	38	..	41	9	70	..	79	\$60,369 00	\$687,778 00	\$748,147 00

Number of buildings in district—

Dwellings..... 333

Business..... 1,303

Total..... 1,636

Number of fires in dwellings..... 9

Number of fires in business buildings..... 70

Total fires in buildings..... 79

Number of dwellings to each fire..... 37

Number of business places to each fire..... 19

Number of buildings to each fire..... 21

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.....	6	3	..	9	9	2	..	11	1	8	..	9	8	3	1	12	24	16	1	41	\$10,733 00	\$40,979 00	\$51,712 00
February.....	5	3	..	8	5	4	..	9	..	2	..	2	17	4	1	22	27	13	1	41	4,357 00	14,555 00	18,912 00
March.....	14	3	1	18	11	2	..	13	1	1	..	2	5	7	..	12	31	13	1	45	5,871 00	16,176 00	22,047 00
April.....	9	1	..	10	9	4	..	13	..	2	..	2	6	6	..	12	24	13	..	37	3,374 00	7,930 00	11,304 00
May.....	10	1	..	11	10	3	..	13	..	3	..	3	3	11	..	14	23	18	..	41	2,942 00	14,577 00	17,519 00
June.....	2	..	..	2	5	3	1	9	..	4	..	5	4	3	1	8	11	10	2	23	677 00	2,954 00	3,631 00
July.....	..	..	..	..	5	2	..	7	..	5	..	5	30	9	3	42	35	16	3	54	2,546 00	2,446 00	5,032 00
August.....	..	..	..	..	18	1	..	19	..	7	..	7	18	6	..	24	36	14	..	50	15,853 00	83,199 00	99,052 00
September.....	..	..	..	..	8	3	..	11	..	3	..	3	18	3	1	22	26	9	1	36	1,712 00	17,149 00	18,861 00
October.....	2	..	..	2	22	4	..	26	..	8	..	8	5	7	2	14	29	19	2	50	46,209 00	71,725 00	117,934 00
November.....	4	1	..	5	18	2	..	20	..	3	..	3	4	4	3	11	26	10	3	39	9,039 00	85,524 00	94,563 00
December.....	5	2	..	7	18	5	..	23	..	3	..	3	12	7	..	19	35	17	..	52	5,467 00	27,207 00	32,674 00
Total.....	57	14	1	72	138	35	1	174	2	49	..	51	130	70	12	272	327	168	14	509	\$108,780 00	\$385,421 00	\$494,201 00

Number of buildings in district—

Dwellings..... 9,954

Business..... 2,598

Total..... 12,552

Number of fires in dwellings..... 327

Number of fires in business buildings..... 168

Total fires in buildings..... 495

Number of dwellings to each fire..... 21

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

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.....	10	5	..	15	11	4	..	15	1	4	..	5	4	3	1	8	26	16	1	43	\$26,737 00	\$59,699 00	\$86,436 00
February.....	10	1	..	11	4	5	..	9	..	7	..	7	9	3	1	13	23	16	1	40	19,191 00	229,129 00	247,320 00
March.....	5	1	..	6	8	2	..	10	..	6	..	6	6	4	1	11	19	13	1	33	2,303 00	4,888 00	7,191 00
April.....	7	2	..	9	7	3	..	10	..	2	..	2	3	4	2	9	17	11	2	30	3,792 00	18,982 00	22,774 00
May.....	4	2	..	6	11	3	..	14	2	5	1	8	7	3	..	10	24	13	1	38	2,387 00	9,571 00	11,958 00
June.....	5	1	..	6	3	4	..	7	1	6	..	7	7	6	3	16	16	17	3	36	18,924 00	204,029 00	222,953 00
July.....	..	..	..	..	10	1	..	11	1	6	1	8	24	14	..	38	35	21	1	57	3,934 00	12,866 00	16,794 00
August.....	..	..	..	..	8	3	..	11	1	5	..	6	14	6	..	20	23	14	..	37	21,100 00	25,291 00	46,391 00
September.....	..	..	..	..	5	1	..	6	1	5	1	7	8	5	1	14	14	11	2	27	2,776 00	8,195 00	10,974 00
October.....	11	2	..	13	9	2	..	11	..	2	..	2	7	11	2	20	27	17	2	46	5,231 00	21,301 00	26,532 00
November.....	7	5	..	12	13	..	..	13	1	5	..	6	8	6	1	15	29	16	1	46	3,159 00	9,321 00	12,480 00
December.....	15	4	..	19	13	3	..	16	..	3	..	3	11	4	..	15	39	14	..	53	6,548 00	29,689 00	36,237 00
Total.....	74	23	..	97	102	31	..	133	8	56	3	67	108	69	12	189	232	179	15	486	\$116,082 00	\$631,958 00	\$748,040 00

Number of buildings in district—

Dwellings.....25,986

Business.....3,836

Total.....19,822

Number of fires in dwellings.....292

Number of fires in business buildings.....179

Total fires in buildings.....471

Number of dwellings to each fire.....55

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

Number of buildings to each fire.....42

## 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.....	21	5	1	27	13	3	..	16	..	2	..	2	12	6	2	20	46	16	3	65	\$47,617 00	\$34,751 00	\$82,368 00
February.....	19	6	..	25	5	3	..	8	..	8	..	8	7	4	..	11	31	21	..	52	9,427 00	10,580 00	20,007 00
March.....	12	3	..	15	11	1	..	12	..	5	..	5	7	6	..	13	30	15	..	45	3,404 00	13,131 00	16,535 00
April.....	5	1	..	6	9	3	..	12	2	5	1	8	13	5	..	18	29	14	1	44	3,679 00	25,394 00	29,073 00
May.....	5	1	..	6	8	4	..	12	..	6	1	7	6	6	..	12	19	17	1	37	16,264 00	25,994 00	42,258 00
June.....	4	..	..	4	6	4	..	10	1	4	..	5	8	6	1	15	19	14	1	34	50,107 00	55,949 00	146,056 00
July.....	..	..	..	..	4	1	1	6	2	6	..	8	23	11	3	37	29	18	4	51	5,858 00	19,987 00	25,845 00
August.....	..	..	..	..	4	1	..	5	3	4	..	7	16	3	..	19	23	8	..	31	2,231 00	6,051 00	8,282 00
September.....	..	..	..	..	9	1	1	11	2	6	1	9	10	2	..	12	21	9	2	32	7,381 00	11,528 00	18,909 00
October.....	7	..	..	7	7	3	1	11	2	4	1	7	9	4	..	13	25	11	2	38	4,877 00	7,713 00	12,590 00
November.....	9	2	..	11	9	6	..	15	..	3	1	4	4	8	..	12	22	19	1	42	1,345 00	2,452 00	3,797 00
December.....	16	2	..	18	21	2	..	23	1	5	..	6	13	6	1	20	51	15	1	67	10,949 00	15,256 00	26,215 00
Total.....	98	20	1	119	106	32	3	141	13	58	5	76	128	67	7	202	345	177	16	538	\$203,139 00	\$228,796 00	\$431,935 00

Number of buildings in district—

Dwellings.....22,274

Business.....4,585

Total.....26,859

Number of fires in dwellings.....345

Number of fires in business buildings.....177

Total fires in buildings.....522

Number of dwellings to each fire.....65

Number of business places to each fire.....26

Number of buildings to each fire.....52

## 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.....	..	1	..	1	..	..	..	..	..	..	..	..	1	1	..	2	1	2	..	3	\$40 00	\$50 00	\$90 00
February.....	1	..	..	1	1	..	..	2	..	..	..	..	..	..	..	2	2	..	..	2	320 00	595 00	595 00
March.....	1	..	..	1	1	..	..	2	..	..	..	..	2	3	1	..	4	2,339 00	1,350 00	..	3,689 00	3,689 00	3,689 00
April.....	1	..	..	1	1	..	..	2	..	1	..	1	1	..	2	3	3	1	2	6	196 00	355 00	551 00
May.....	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	4	2	2	1	5	93 00	20 00	113 00
June.....	1	..	..	1	1	..	..	2	..	..	..	..	..	..	..	1	1	..	..	2	..	..	..
July.....	..	..	..	..	..	..	..	..	..	2	..	2	2	..	..	2	2	2	..	4	105 00	184 00	290 00
August.....	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	1	1	..	..	..
September.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	1	59 00	375 00	973 00
October.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
November.....	4	..	..	4	..	..	..	..	..	..	..	..	..	..	..	4	4	..	..	4	55 00	92 00	147 00
December.....	..	..	..	..	1	1	..	2	..	..	..	..	..	1	..	1	1	2	..	3	15 00	15 00	30 00
Total.....	8	1	..	9	4	2	..	6	..	3	1	4	8	4	3	15	20	10	4	34	\$3,777 00	\$2,761 00	\$6,478 00

Number of buildings in district—

Dwellings.....2,493

Business.....1,021

Total.....3,514

Number of fires in dwellings.....20

Number of fires in business buildings.....10

Total fires in buildings.....30

Number of dwellings to each fire.....125

Number of business places to each fire.....108

Number of buildings to each fire.....117



## 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.....	5	1	..	6	5	2	..	7	..	1	..	1	6	..	..	6	16	4	..	20	\$1,315 00	\$4,920 00	\$6,235 00
February.....	5	3	..	8	6	..	..	6	..	..	..	..	5	2	..	7	16	5	..	21	3,340 00	2,921 00	6,261 00
March.....	6	2	..	8	2	1	..	3	..	2	..	2	3	..	1	4	11	5	1	17	1,905 00	1,372 00	3,277 00
April.....	2	..	..	2	1	4	..	5	2	..	..	2	4	..	..	4	9	4	..	13	2,906 00	12,668 00	15,574 00
May.....	2	..	..	2	1	..	..	1	2	..	..	2	2	2	1	5	7	2	1	10	1,229 00	3,410 00	4,639 00
June.....	4	..	..	4	1	..	..	1	..	..	1	1	2	2	..	4	7	2	1	10	597 00	707 00	1,304 00
July.....	..	..	..	..	2	..	..	2	1	3	..	4	11	4	..	15	14	7	..	21	18,645 00	15,385 00	34,030 00
August.....	..	..	..	..	2	2	..	4	..	4	..	4	8	..	..	8	10	6	..	16	7,711 00	16,189 00	23,900 00
September.....	..	..	..	..	8	1	..	9	..	..	..	..	4	..	..	4	12	1	..	13	287 00	2,245 00	2,532 00
October.....	..	..	..	..	5	..	..	5	..	1	..	1	4	..	..	4	9	1	..	10	685 00	782 00	1,467 00
November.....	4	1	..	5	2	2	..	4	1	3	..	4	5	1	..	6	12	7	..	19	6,923 00	10,785 00	17,708 00
December.....	6	..	..	6	8	2	..	10	2	..	..	2	8	2	..	10	24	4	..	28	13,909 00	38,917 00	52,826 00
Total.....	34	7	..	41	43	14	..	57	8	14	1	23	62	13	2	77	147	48	3	198	\$59,452 00	\$110,301 00	\$169,753 00

Number of buildings in district—

Dwellings..... 9,689

Business..... 1,454

Total..... 11,143

Number of fires in dwellings..... 147

Number of fires in business buildings..... 48

Total fires in buildings..... 195

Number of dwellings to each fire..... 65

Number of business places to each fire..... 30

Number of buildings to each fire..... 57

## 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.....	1	..	..	1	3	..	..	3	..	..	..	..	1	..	..	1	5	..	..	5	\$1,215 00	\$238 00	\$1,453 00
February.....	..	..	..	..	1	..	..	1	..	..	1	1	1	..	..	1	2	..	1	3	468 00	6,730 00	7,198 00
March.....	1	..	..	1	..	..	..	..	..	..	1	1	1	1	1	3	2	1	2	5	5,510 00	1,299 00	6,809 00
April.....	..	..	..	..	1	..	..	1	..	1	..	1	..	1	..	1	1	2	..	3	185 00	298 00	483 00
May.....	1	..	..	1	..	..	..	..	..	..	1	1	1	..	..	1	2	..	1	3	25 00	5 00	30 00
June.....	..	1	..	1	..	..	..	1	..	..	..	..	1	..	1	2	2	..	1	3	30 00	60 00	95 00
July.....	..	..	..	..	1	..	..	1	..	..	..	..	2	1	..	3	3	1	..	4	5 00	25 00	30 00
August.....	..	..	..	..	..	..	1	1	..	..	..	..	..	1	..	1	..	1	1	2	.....	2 00	2 00
September.....	..	..	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..	2	..	2	.....	5 00	5 00
October.....	..	..	..	..	2	1	3	..	..	..	..	..	..	..	..	..	2	1	3	10 00	65 00	75 00	
November.....	..	..	..	..	1	..	..	1	..	..	2	2	..	..	..	..	1	..	2	3	2 00	5 00	7 00
December.....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	20 00	.....	20 00	
Total.....	4	..	..	4	8	4	2	14	..	1	5	6	7	4	2	13	19	9	9	37	\$7,475 00	\$8,732 00	\$16,207 00

Number of buildings in district—

Dwellings..... 1,862

Business..... 1,560

Total..... 3,422

Number of fires in dwellings..... 19

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

Total fires in buildings..... 28

Number of dwellings to each fire..... 98

Number of business places to each fire..... 73

Number of buildings to each fire..... 122

## 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.....	3	3	1	7	3	..	..	3	..	1	..	1	6	1	..	7	12	5	1	18	\$796 00	\$1,545 00	\$2,341 00
February.....	4	3	..	7	3	1	..	4	..	..	..	..	2	..	..	2	9	4	..	13	1,990 00	5,342 00	7,332 00
March.....	4	..	..	4	5	..	..	5	..	1	..	1	6	2	..	8	15	3	..	18	1,099 00	902 00	2,001 00
April.....	1	..	..	1	1	1	..	2	2	1	..	3	2	3	..	5	6	5	..	11	1,299 00	11,357 00	12,656 00
May.....	2	..	..	2	1	..	..	1	..	..	1	1	6	1	..	7	9	1	1	11	194 00	528 00	722 00
June.....	1	..	..	1	..	..	2	2	..	..	..	..	2	3	..	5	3	3	2	8	1,625 00	2,666 00	4,291 00
July.....	..	..	..	..	2	..	..	2	..	..	1	1	5	6	3	14	7	6	4	17	34,523 00	184,200 00	218,723 00
August.....	..	..	..	..	2	..	..	2	2	2	..	4	5	3	..	8	9	5	..	14	313 00	229 00	542 00
September.....	..	..	..	..	2	..	..	2	1	2	1	4	2	1	..	3	5	3	1	9	1,002 00	1,186 00	2,188 00
October.....	2	..	..	2	6	6	..	12	..	2	2	4	2	2	..	4	10	10	2	22	6,344 00	26,150 00	32,494 00
November.....	1	..	..	1	2	1	..	3	..	2	..	2	1	..	..	1	4	3	..	7	1,898 00	1,122 00	3,120 00
December.....	6	..	..	6	2	1	..	3	1	1	..	2	4	..	..	4	13	2	..	15	701 00	1,630 00	2,331 00
Total.....	24	6	1	31	29	10	2	41	6	12	5	23	43	22	3	68	102	50	11	163	\$51,784 00	\$236,957 00	\$288,741 00

Number of buildings in district—

Dwellings..... 6,941

Business..... 945

Total..... 7,886

Number of fires in dwellings..... 102

Number of fires in business buildings..... 50

Total fires in buildings..... 152

Number of dwellings to each fire..... 68

Number of business places to each fire..... 19

Number of buildings to each fire..... 52

## 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	3	..	..	3	..	..	..	..	2	1	..	3	6	1	..	7	\$105 00	\$155 00	\$260 00
February.....	1	1	..	2	3	..	..	3	..	1	..	1	1	..	..	1	5	2	..	7	658 00	1,579 00	2,237 00
March.....	2	1	..	3	..	..	..	..	..	..	..	..	1	1	..	2	2	2	1	5	277 00	325 00	602 00
April.....	2	..	..	2	1	2	..	3	..	..	1	1	1	..	1	2	4	2	2	8	1,100 00	10,355 00	11,455 00
May.....	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	1	..	..	1	..	5 00	3 00	8 00
June.....	..	..	..	..	1	2	..	3	..	..	..	..	2	1	..	3	3	3	..	6	665 00	148 00	813 00
July.....	..	..	..	..	2	1	..	3	..	1	..	1	2	1	..	4	5	3	..	8	132 00	145 00	277 00
August.....	..	..	..	..	2	..	..	2	..	..	..	..	4	1	..	5	6	1	..	7	28,528 00	33,895 00	62,423 00
September.....	..	..	..	..	2	..	..	2	..	..	1	1	1	..	1	2	1	1	4	..	625 00	315 00	940 00
October.....	..	..	..	..	1	3	..	4	..	..	..	..	..	..	2	2	1	3	6	..	1,647 00	642 00	2,289 00
November.....	2	..	..	2	..	..	..	..	..	..	..	..	..	1	2	3	2	1	2	5	42 00	40 00	82 00
December.....	1	1	..	2	2	1	..	3	..	1	..	1	1	4	..	5	4	7	..	11	3,097 00	15,340 00	18,437 00
Total.....	9	3	..	12	18	9	..	27	..	3	2	5	14	11	6	31	41	26	8	75	\$36,881 00	\$62,942 00	\$99,823 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..... 26  
Total fires in buildings..... 67

Number of dwellings to each fire..... 170  
Number of business places to each fire..... 122  
Number of buildings to each fire..... 152

## 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.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
February.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
March.....	..	..	..	..	..	..	..	..	..	2	..	2	..	..	..	..	2	..	2	..	\$400 00	\$200 00	\$600 00
April.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
May.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
June.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
July.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	1	..	..	..
August.....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	1	\$500 00	\$1,500 00	2,000 00
September.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
October.....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	5	..	1	4	5	250 00	580 00	830 00
November.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	1	2 00	..	2 00
December.....	2	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..	75 00	35 00	110 00
Total.....	2	..	..	2	..	..	..	..	2	..	2	2	2	2	4	8	4	4	4	12	\$1,227 00	\$2,315 00	\$3,542 00

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

Number of fires in dwellings..... 4  
Number of fires in business buildings..... 4  
Total fires in buildings..... 8

Number of dwellings to each fire..... 236  
Number of business places to each fire..... 169  
Number of buildings to each fire..... 202

## Thirteenth District—Governor's, Bedlews, Ellis', Blackwell's, Ward's, Randall's and North Brother 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.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
March.....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	1	1	..	..	..
April.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
May.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
June.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
July.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
August.....	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	1	..	..	1	\$600 00	\$50 00	\$650 00
September.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
October.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
November.....	..	..	..	..	..	..	..	..	1	..	..	1	..	1	1	1	1	..	1	2	..	50 00	50 00
December.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total.....	..	..	..	..	..	..	..	2	..	2	..	2	..	2	2	2	..	2	4	..	\$600 00	\$100 00	\$700 00

Number of buildings in district—  
Dwellings..... 219  
Business..... 237  
Total..... 456

Number of fires in dwellings..... 1  
Number of fires in business buildings..... ..  
Total fires in buildings..... 1

Number of dwellings to each fire..... 219  
Number of business places to each fire..... ..  
Number of buildings to each fire..... 456



## 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.	Buildings, etc.	Total.	Dwellings.	Business, etc.	Total.	Buildings.	Contents.	Total.
First.....	8	15	1	24	5	23	2	30	1	48	3	52	16	57	5	78	30	143	11	184	1,012	3,805	4,817	34	27	28	\$46,977 00	\$190,224 00	\$237,201 00
Second.....	19	4	1	24	11	4	..	15	..	15	4	19	20	17	1	38	50	40	6	96	2,518	902	3,420	50	23	36	21,129 00	74,913 00	96,042 00
Third.....	5	9	..	14	1	12	..	13	..	11	..	11	3	38	..	41	9	70	..	79	333	1,303	1,636	37	19	21	60,369 00	687,778 00	748,147 00
Fourth.....	57	14	1	72	138	35	1	174	2	49	..	51	130	70	12	212	387	168	14	509	9,994	2,598	12,592	21	15	25	108,780 00	385,421 00	494,201 00
Fifth.....	74	23	..	97	102	31	..	133	8	56	3	67	108	6	12	189	292	179	15	486	15,986	3,836	19,822	55	21	42	116,082 00	631,958 00	748,040 00
Sixth.....	98	20	1	119	105	32	3	141	13	58	5	76	128	67	7	202	345	177	16	538	22,274	4,585	26,859	65	26	52	203,139 00	228,796 00	431,935 00
Seventh.....	8	1	..	9	4	2	..	6	..	3	1	4	8	4	3	15	20	10	4	34	2,493	1,021	3,514	125	102	117	3,717 00	2,761 00	6,478 00
Eighth.....	34	7	..	41	43	14	..	57	8	14	1	23	62	13	2	77	147	48	3	198	9,689	1,454	11,143	65	30	57	59,452 00	110,301 00	169,753 00
Ninth.....	4	..	..	4	8	4	2	14	..	1	5	6	7	4	2	13	19	9	9	37	1,862	1,560	3,422	98	73	122	7,475 00	8,732 00	16,207 00
Tenth.....	24	6	1	31	29	10	2	41	6	12	5	23	43	22	3	68	102	50	11	163	6,941	945	7,886	68	19	52	51,784 00	236,957 00	288,741 00
Eleventh.....	9	3	..	12	18	9	..	27	..	3	2	5	14	11	6	31	41	26	8	75	6,989	3,124	10,113	170	122	152	36,881 00	62,942 00	99,823 00
Twelfth.....	2	..	..	2	..	..	..	..	2	..	2	2	2	4	8	4	4	4	12	945	674	1,619	236	169	202	1,227 00	2,315 00	3,542 00	
Thirteenth.....	..	..	..	..	..	..	..	2	..	..	2	..	..	2	2	2	..	2	4	219	231	450	219	..	450	600 00	100 00	700 00	
Total.....	342	102	5	449	465	176	10	651	40	272	29	341	541	374	59	974	1,388	924	103	2,415	81,255	26,098	107,353	59	28	44	\$717,612 00	\$2,623,198 00	\$3,340,810 00

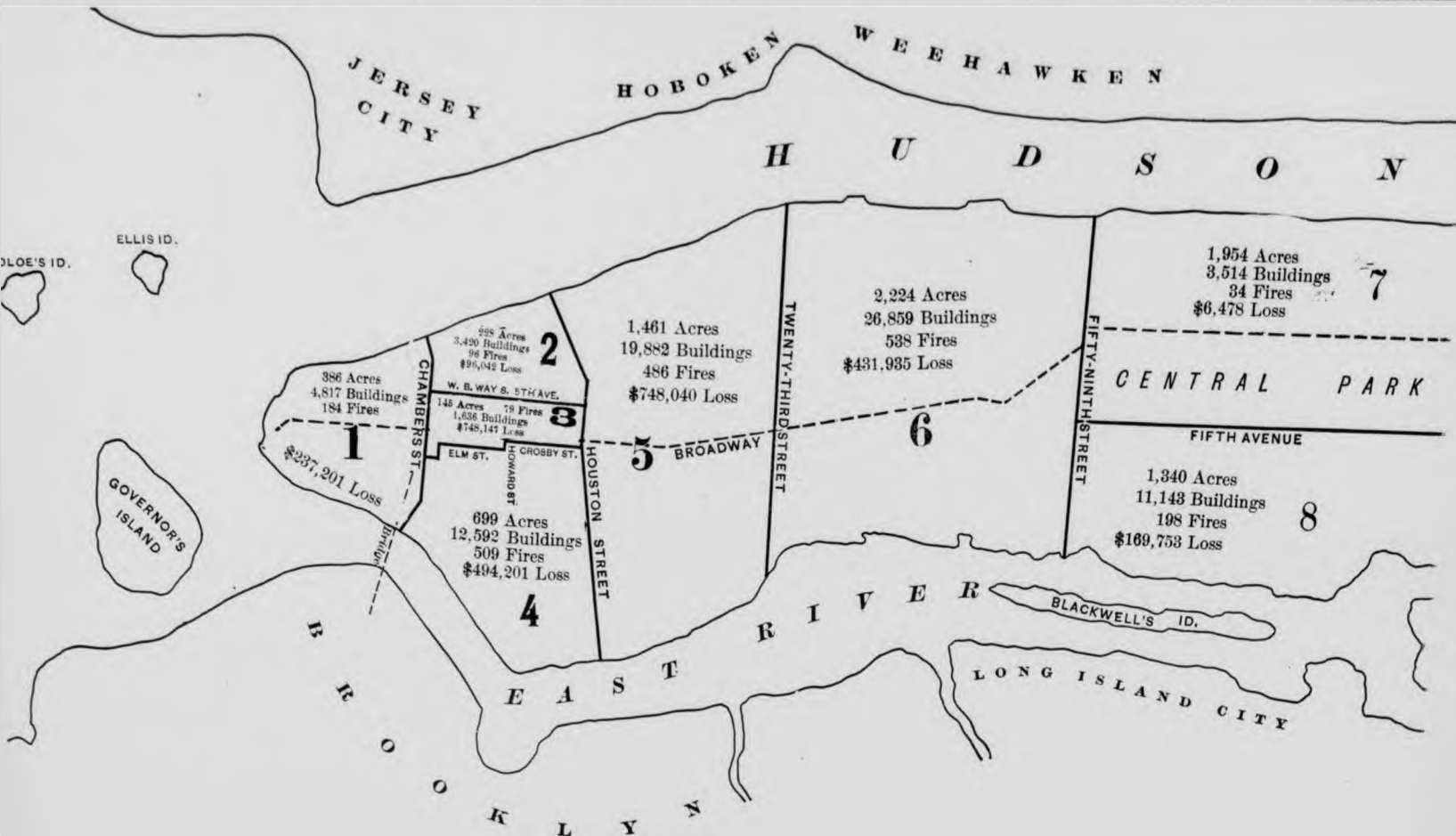
## Indictments and Convictions for Arson, Incendiarism, etc.

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.				
John McGrath.....	40	Male....	White...	Irish.....	Grocer.....	{ Arson, second degree, setting fire to grocery store, No. 528 West Thirty-ninth street..... }	Arson, second degree, April 26, 1886.....	{ Arson, second degree, June 16..... }	10 years State Prison.
Mary McGrath.....	50	Female..	"	"	"	{ Arson, first degree, setting fire to No. 54 West Thirty-first street..... }	Arson, first degree, April 16, 1886.....	Indictment dismissed by Court, September 24, 1886, evidence insufficient.	7 years Penitentiary.
John Loertscher.....	30	Male....	"	Swiss.....	Waiter.....	{ Arson, first degree, setting fire to No. 54 West Thirty-first street..... }	Arson, first degree, April 16, 1886.....	Indictment dismissed by Court, September 24, 1886, evidence insufficient.	
Mary Jones.....	50	Female..	"	Poland.....	Servant.....	{ Arson, first degree, setting fire to No. 54 West Thirty-first street..... }	Arson, first degree, April 16, 1886.....	Indictment dismissed by Court, September 24, 1886, evidence insufficient.	
Eugene D. Hill.....	28	Male....	"	United States.....	Merchant.....	Arson, third degree, setting fire to store, No. 705 Third avenue, May 29.....	Arson, third degree, June 15.....	Discharged by Police Justice, June 8.	
Thomas G. Shandley..	40	"	"	Irish.....	Clerk.....	Arson, third degree, setting fire to No. 334 East Twentieth street, May 30.....	Arson, first degree, June 15.....	General Sessions, July 8 and 9; jury disagreed; discharged on own recognizance.	
Anna Frichles.....	50	Female..	"	German.....	Housekeeper..	Setting fire to No. 413 East Fifteenth street, May 31.....	Arson, first degree, June 15.....	Discharged by Police Justice, June 2.	
John Brennan.....	40	Male....	"	Irish.....	Laborer.....	Setting fire to No. 510 West Thirty-eighth street, July 1.....	Arson, first degree, July 8.....	General Sessions, August 4, jury disagreed.	
Eugene D. Hill.....	28	"	"	United States.....	Merchant.....	Arson, third degree, setting fire to No. 705 and 707 Third avenue.....	Arson, third degree.....	Disappeared and has never been arrested.	
Kate Stalb.....	35	Female..	"	German.....	Laundress.....	Setting fire to premises No. 216 East Eightieth street, arson, first degree.....	Arson, first degree, September 24.....	Sent to Hudson River Insane Asylum, December 9, 1886.	
John Kylian.....	31	Male....	"	Bohemian.....	Cornice-maker.	Arson, first degree, setting fire to No. 404 East Sixty-fourth street, November 23, 1885.....	Murder and arson, first degree, September 7, 1886.....	Charged with being accomplice of Kohout Brothers.	
Henry Kohout.....	26	"	"	"	Cigar-maker...	{ Setting fire to No. 404 East Sixty-fourth street, November 23, 1885, causing death of three persons..... }	Murder and arson, first degree, December 15, 1885.....	State Prison for life.	
Edward Kohout.....	23	"	"	"	"	{ Setting fire to No. 404 East Sixty-fourth street, November 23, 1885, causing death of three persons..... }	Arson, first degree, February 3, 1886.....	Dismissed January 20, 1886.	
Joseph Kohout.....	22	Female..	"	"	House-keeper..	{ Setting fire to No. 404 East Sixty-fourth street, November 23, 1885, causing death of three persons..... }	Arson, first degree, February 3, 1886.....	Dismissed January 20, 1886.	

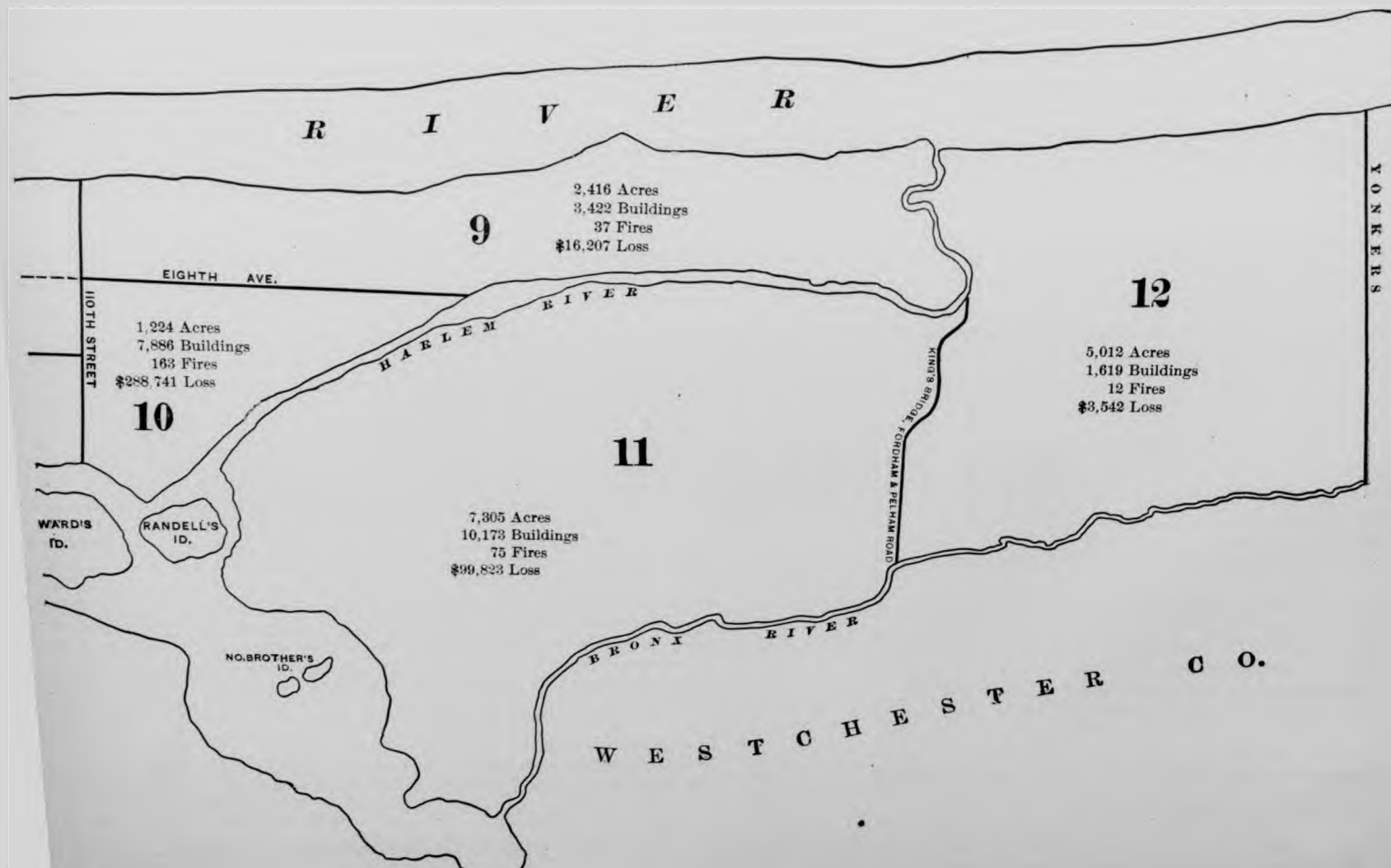
## Operations under the Laws Regulating the Storage of Combustibles and Explosive Materials, etc.

COMPLAINTS OF VIOLATIONS, ETC.	Pending December 31, 1885.	Received since.	Total to be Disposed of.	DISPOSITION.					New Pending.
				Complied on Notice.	Unfounded.	Penalties Collected.	Penalties Remitted.	Prosecution Recommended.	
Selling kerosene oil below test.....	7	7	..	..	1	2	3	6	1
Selling kerosene oil without license.....	158	158	..	..	..	158	158	..	..
Chimney fires.....	12	219	231	..	70	127	..	197	34
Hoistways found open after conclusion of business.....	1	16	17	..	2	5	1	8	9
Fire-hydrants obstructed.....	30	30	29	1	..	..	..	30	..
Lights unprotected.....	2	2	1	1	..	..	..	2	..
Want of fire-extinguishing appliances.....	13	5	18	13	..	..	..	13	5
Combustible material in excessive quantity.....	23	23	16	7	..	..	..	23	..
Kerosene or naphtha, etc., in excessive quantity.....	12	12	5	7	..	..	..	12	..
Fireworks, chemicals, matches, etc., kept without permit.....	3	3	1	2	..	..	..	3	..
Powder, etc., improperly stored, transported, etc.....	9	9	8	1	..	..	..	9	..
Chimneys, flues, heating apparatus, etc., unsafe.....	3	30	33	18	13	..	..	31	2
Ashes in wooden boxes, etc.....	3	5	8	7	1	..	..	8	..
Hay, straw, cotton, rags, and other vegetable fibre stored in excessive quantity.....	1	1	..	1	..	..	..	1	..
Total.....	32	520	552	98	34	73	135	162	50

Special surveys made to determine the fitness of premises for the storage of combustibles or explosive materials.....	1,123
Special surveys of places of amusement.....	7
Samples of kerosene oil collected and tested.....	9,313
Special surveys of magazines along New Aqueduct.....	3
Special tests of oil from supposed lamp explosions.....	21
Money Received for Licenses and Permits Issued, Penalties Collected, Sale of Explosives, etc. Seized, etc.	
For 3,710 kerosene oil licenses issued, at \$10.....	\$37,100 00
For 86 powder licenses issued, at \$2.....	172 00
For 478 special permits issued, at \$2.....	956 00
For 31 wholesale fireworks permits issued, at \$2.....	62 00
For 25 retail fireworks permits issued, at \$1.....	25 00
For 59 retail fireworks permits issued, at 50 cents.....	29 50
For 2,016 retail fireworks permits issued, at 25 cents.....	504 00
For 136 kindling fire in street permits issued, at 50 cents.....	68 00
Total for licenses and permits.....	\$38,916 50
For 2 penalties for selling kerosene oil below test, at \$50.....	100 00
For 70 penalties for chimney fires, at \$5.....	350 00
For two hoistways left open, at \$50 each.....	100 00
Total for penalties.....	550 00
Total received and turned over to the Relief Fund.....	\$39,466 50



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 4; loss, \$750.





## Plans and Specifications for New Buildings Filed and Acted upon during the Year.

CLASSIFICATION.	Pending last report.	Received since.	Total.	Approved.	Amended and Approved.	Disapproved.	Now Pending.	Total.	ESTIMATED COST.
Dwelling-houses—Estimated cost over \$50,000.	..	5	5	1	4	..	..	5	\$395,000 00
Dwelling-houses—Estimated cost between \$20,000 and \$50,000.	..	163	163	39	117	7	..	163	3,816,500 00
Dwelling-houses—Estimated cost less than \$20,000.	..	1,144	1,144	463	645	36	..	1,144	13,089,700 00
Flats—Estimated cost over \$15,000.	..	1,174	1,174	550	592	30	2	1,174	23,481,400 00
Tenement-houses—Estimated cost less than \$15,000.	1	447	448	218	216	14	..	448	5,415,900 00
Hotels and boarding-houses	..	5	5	1	4	..	..	5	523,900 00
Stores—Estimated cost over \$30,000	..	28	28	3	25	..	..	28	2,066,000 00
Stores—Estimated cost between \$15,000 and \$30,000.	..	18	18	4	13	1	..	18	402,000 00
Stores—Estimated cost less than \$15,000.	1	89	90	34	52	3	1	90	280,848 00
Office buildings	..	26	26	4	20	2	..	26	1,389,100 00
Manufactories and workshops	1	159	160	63	85	12	..	160	2,608,400 00
School-houses	..	8	8	3	5	..	..	8	705,000 00
Churches	..	19	19	2	15	2	..	19	804,950 00
Public buildings—Municipal	..	14	14	5	9	..	..	14	1,003,500 00
Public buildings—Places of amusement, etc	..	12	12	4	7	1	..	12	593,000 00
Stables	..	131	131	78	47	5	1	131	663,800 00
Frame dwellings in Twenty-third and Twenty-fourth Wards.	..	557	557	412	119	24	2	557	1,353,480 00
Other frame structures.	..	93	93	28	35	30	..	93	152,255 00
Total	3	4,092	4,095	1,912	2,010	167	6	4,095	\$58,750,733 00

## Disposition of Elevator Cases Found not in Compliance with Law.

NATURE.	Pending last report.	Received since.	Total.	Law Com-plied with.	Now Pending.	Forwarded for Prosecution.
Defective cylinders.	..	12	12	12	..	5
Defective guide rails and posts.	..	10	10	9	1	5
Defective running gear.	..	6	6	4	2	..
Doors and door locks out of repair.	2	4	6	6	..	..
Fronts of cars unprotected.	..	30	30	27	3	17
Generally unsafe.	..	3	3	2	1	1
New ropes required.	1	68	69	65	4	8
Run by persons under 18 years of age.	1	26	27	27	..	3
Run by incompetent persons.	..	4	4	4	..	..
Safety attachments out of order.	..	4	4	4	..	2
Total.	4	167	171	160	11	41

## Violations of Law and Unsafe Buildings during the Year.

NATURE.	Pending last report.	Received since.	Total for Disposition.	Removed before Action by Courts.	Removed on Order of Courts.	Dismissed by Courts.	Discontinued.	Total Final Disposition.	Now Pending.	Forwarded for Prosecution.
Defective construction, materials, etc.	201	543	744	543	..	5	63	611	133	396
Erecting, altering or removing without permit, or after disapproval.	175	641	816	528	1	18	40	587	229	422
Insufficient means of escape, fire-escapes, aisles obstructed, etc.	1,205	2,231	3,436	1,506	..	15	779	2,300	1,136	1,129
Unsafe buildings.	559	1,046	1,605	1,135	9	..	40	1,184	421	44
Total.	2,140	4,461	6,601	3,712	10	38	922	4,682	1,919	2,391

## Plans and Specifications for Alterations to Buildings Filed and Acted upon during the Year.

CLASSIFICATION.	Pending last report.	Received since.	Total.	Approved.	Amended and Approved.	Disapproved.	Now Pending.	Total.	ESTIMATED COST.
Dwelling-houses.....	2	824	826	447	332	40	7	826	\$1,515,545 00
Flats .....	102	102	44	52	5	1	102	504,905 00	
Tenement-houses.....	1	424	425	310	100	14	1	425	442,676 00
Hotels and boarding-houses.....	2	61	63	32	26	5	..	63	214,995 00
Stores .....	211	211	103	94	14	..	211	418,290 00	
Office buildings .....	1	101	102	52	43	5	2	102	575,936 00
Manufactories and workshops.....	3	263	266	124	112	28	2	266	849,332 00
School-houses.....	10	10	6	4	..	..	10	27,235 00	
Churches .....	1	28	29	15	11	3	..	29	225,900 00
Public buildings.....	..	63	63	24	31	8	..	63	574,180 00
Stables.....	..	75	75	43	25	7	..	75	206,540 00
Frame buildings.....	1	459	460	274	142	44	..	460	353,730 00
Total.....	11	2,621	2,632	1,474	972	173	13	2,632	\$5,909,314 00

Number of applications for permits for new buildings and alterations, 4,494.

## Complaints Received and Investigated during the Year.

NATURE.	Pending last report.	Received since.	Total.	Unfounded.	Remedied on Verbal Notice.	Notices to be issued.	Total.	Now Pending.
Defective flues.	2	139	141	76	21	33	130	11
Defective construction and materials.	2	19	21	14	..	6	20	1
Defective leaders.	10	38	48	10	3	25	38	10
Erecting and altering without permit.	1	56	57	32	1	19	52	5
Frame structures erected and removed without permit.	2	192	194	84	5	99	188	6
Front iron shutters which cannot be opened from the outside.	2	..	2	2	..	..	2	..
Holstway openings not guarded.	..	7	7	2	1	3	6	1
Insufficient means of escape, fire-escapes out of repair, etc.	92	1,819	1,911	692	103	731	1,526	385
No iron shutters.	..	3	3	1	..	2	3	..
Stairway openings floored over.	1	1	2	2	..	..	2	..
Steam-pipes too near woodwork.	..	2	2	..	..	..	2	..
Unsafe buildings.	10	906	916	428	53	400	881	35
Unsafe freight elevators.	..	5	5	4	..	1	5	..
Woodwork too near flues.	..	3	3	3	..	..	3	..
Total.	122	3,190	3,312	1,350	187	1,119	2,856	456

## Inspection of Passenger Elevators during the Year.

Number inspected.	1,724
Found to be in good order and fit for use.	1,557
Found not in compliance with the law.	167

## Notices Issued during the Year.

To place fire-escapes on buildings.	3,079
To remove violations of law.	1,539
To repair passenger elevators.	502
To remove unsafe buildings.	1,661
Of disapproval of plans.	1,934
Total.	8,715

## Proceedings of Board of Examiners during the Year.

Number of meetings held.	52
Number of cases acted upon.	378
Number of applicants for appointment as Inspectors examined.	5
Found qualified.	3
Not qualified.	2

## Petitions for Modification of the Law.

	APPROVED.	DISAPPROVED.	TOTAL.
New buildings.	165	36	201
Alterations.	157	12	169
Iron shutters.	6	2	8
Total.	328	50	378

New buildings commenced.	3,750
New buildings completed.	3,258
Alterations commenced.	2,226
Alterations completed.	2,272

## Location of Buildings Commenced and Completed during Year.

LOCATION.	COMMENCED.	COMPLETED.	IN PROGRESS.
South of Chambers street.	36	20	24
Between Chambers and Houston streets.	229	192	124
Between Houston and Twenty-third streets.	166	147	98
Between Twenty-third and Fifty-ninth streets.	355	355	223
Between Fifty-ninth and One Hundred and Tenth streets, east of Fifth avenue.	642	682	475
Between Fifty-ninth and One Hundred and Tenth streets, west of Fifth avenue.	827	692	690
Between One Hundred and Tenth street and Harlem river, east of Undercliff avenue.	649	460	601
Between One Hundred and Tenth street and Harlem river, west of Undercliff avenue.	255	179	124
North of Harlem river.	591	531	318
Total, 1886.	3,750	3,258	2,677
Total, 1885.	2,940	2,832	..
Total, 1884.	2,400	2,473	..





avenue, between Fourteenth and Twenty-fifth streets, is a new feature deserving of special mention. These posts and boxes have been furnished (by the Department of Public Works), with ornamental ruby colored glass lamps, and such as had been superseded by electric lights have been reconnected with the gas-mains, and are now regularly lighted. This renders the fire-alarm boxes more conspicuous by day as well as by night, and their substitution for the old pattern in the more important thoroughfares will be found desirable.

The underground wires and cables which have been put in service in this Department have given most excellent satisfaction, some having been in service two and a half years without deterioration; but in lower Broadway the gutta percha covered wires supplied to the Department by the Western Union Telegraph Company have been so much affected by the heat from the steam-pipes that it has been deemed expedient to disconnect them until the lead cables (Waring), now being substituted by the Western Union Company are in place.

The work of removing the Central Office plant, and transferring it to the new building in East Sixty-seventh street is progressing as rapidly as circumstances will allow.

The reconstruction of the circuits, and the work of putting in underground wires is somewhat delayed by the unfavorable condition of the weather, making it impossible to open the street pavements. It is expected that the system will be in full operation in its new quarters early in March.

In estimating for underground connections with the new building, provision was made for only so much as was necessary to effect the transfer. Additional circuits will be required, and should be put in at the same time, thus saving the cost of opening the streets a second time.

Many new poles will be required during the present year to strengthen the lines, and quite a quantity of wire should be renewed to maintain the system in proper condition.

## 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	2,988
1878.....	74	1,374	140	2,379	220	3,753
1879.....	153	2,670	205	2,086	355	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.....	202	4,302	472	6,086	674	10,388
1885.....	216	5,290	504	9,363	720	14,653
1886.....	227	6,661	459	6,916	686	13,607
Total.....	1,711	37,462	3,220	48,301	4,931	85,763

## Examination of candidates for appointment to the Uniformed Force—

Number found qualified.....	60
Number found disqualified.....	39
Total.....	108

## Deaths in the Uniformed Force.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF DEATH.	CAUSE.
Wm. E. Miller.....	Fireman, 1st grade.	Engine Co. No. 40..	May 4, 1875	Jan. 5	Phthisis.
Dennis McGee.....	" 1st "	H. & L. Co. No. 15..	Aug. 1, 1871	" 20	Blood poisoning.
Henry W. Hoburg.....	" 1st "	Engine Co. No. 41..	Nov. 15, 1882	" 25	Drowned.
Celey B. Jones.....	Engineer.....	" 35..	Aug. 20, 1875	" 31	Typhoid fever.
Cornelius Spencer.....	Fireman, 1st grade.	" 16..	July 24, 1882	" 16	Pneumonia.
Miles T. Murphy.....	" 2d "	" 27..	May 20, 1884	Mar. 8	Phthisis.
Francis Mahedy.....	Chief of Battalion.	4th Battalion.....	July 3, 1872	" 12	Result of injuries.
William Wogan.....	Fireman, 1st grade.	Engine Co. No. 47..	July 20, 1871	Oct. 13	Paralysis.
Albert Stone.....	Engineer.....	" 16..	Oct. 2, 1865	Dec. 11	Acute Bright's.
James Carten.....	Fireman, 1st grade.	" 14..	Dec. 19, 1881	" 11	Phthisis.

## Retired from all Service during the Year.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF RETIREMENT.	CAUSE.
Luke Cavanagh.....	Fireman, 1st grade.	Engine Co. No. 6...	Oct. 20, 1865	Jan. 1	{ Near-sighted and old age.
Cornelius Kingsley.....	" 1st grade.	" 15...	Jan. 1, 1873	" 1	Epilepsy.

## Relieved from Service at Fires during the Year.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF RETIREMENT.	CAUSE.
George Jarvis.....	Engineer.....	Engine No. 41...	Sept. 11, 1865	Jan. 1..	Rheumatism and near-sighted.
William Jackson.....	Fireman, 1st gr.	" 26.. "	" 7, 1874	" 1..	Rheumatism.
George H. Sharp....	" 1st gr.	" 17...	June 11, 1868	" 1..	"
John F. Conway.....	" 1st gr.	" 44...	Sept. 29, 1865	" 1..	{ Rheumatism and loss of hearing.
James Walton.....	Foreman.....	H. and L. No. 5..	Dec. 1, "	Feb. 1..	Rupture and near-sighted.
Charles L. Kelly....	" .....	Engine No. 49...	Sept. 7, "	" 1..	Sciatica.
Thomas Conlon.....	" .....	" 4... "	Aug. 1, 1871	" 1..	Brain trouble.
Frederick Coppers..	Fireman, 1st gr.	" 10...	Dec. 1, 1873	" 1..	Rheumatism.
William Kline.....	" 1st gr.	" 38...	" 6, 1865	" 1..	Near-sighted.
Henry Brengel.....	" 1st gr.	" 35...	Oct. 2, "	Apr. 1..	Heart disease.
John E. Boyle.....	" 1st gr.	" 51...	Dec. 21, 1874	" 15..	Rupture.
John Schwab.....	" 1st gr.	H. and L. No. 10.	Oct. 17, 1870	" 15..	Near-sighted.
James Heaney.....	Ass't Foreman.	" 8... "	" 20, 1865	May 1..	Varicocele and fistula.
Richard D. Hall....	Engineer.....	Engine No. 44...	" 23, "	Oct. 15..	Rheumatism, near-sighted.
George Mauer.....	Fireman, 1st gr.	H. and L. No. 1..	" 20, 1873	Dec. 15..	" "
Oliver Hawkins.....	Engineer.....	Engine No. 34...	" 16, 1865	" 15..	" "

## 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.
Robert Black.....	Engineer.....	Engine 18	Aug. 15, 1869	Jan. 1, 1882	{ Paralysis, near-sighted.....	July 19	Paralysis.
Luke Cavanagh.....	Fireman, 1st gr.	" 6	Oct. 20, 1865	" 1, 1885	Old age.....	Oct. 30	Pneumonia.

## APPARATUS.

The following new apparatus was purchased during the year :

Two new steam fire-engines (see "description of steam fire engines" in a subsequent part of this report for particulars), six four-wheeled hose tenders, two Hayes extension hook and ladder trucks and one other hook and ladder truck.

## Repairs under Contract.

Three engines were provided with new boilers and generally repaired.

Both fire boats were altered and extensively repaired, in the case of the "Wm. F. Havemeyer" (Engine Co. No. 43) the repairs amounted practically to a rebuilding of the vessel.

## Repair Shop Work.

The following were rebuilt :

Four hook and ladder trucks, two two-wheeled tenders, and eleven wagons of various kinds.

The following extensive repairs were made :

Thirty-three to steam fire-engines, ten to floating engines, twenty-seven to hose tenders, and ten to hook and ladder trucks.

The following ordinary repairs were made :

One hundred and sixty-five to steam fire-engines, three to floating engines, sixty-one to hose tenders, thirty-four to hook and ladder trucks, five to water-towers, forty-three to wagons of various kinds, and one to chemical fire-engine.

A large amount of miscellaneous repairing and painting was also done.

Six four-wheeled-tenders were each equipped with two scaling ladders.

Fifteen sets of sliding-poles were put up in company quarters.

Seven company quarters were provided with new heaters.

Thirty-seven jumping-nets were provided to various companies and to the School of Instruction.

Forty safety belts for use on ladders were provided.

Three portable stand-pipes were provided, two on the floating engine "Zophar Mills" and one upon a supply wagon.

Six improved hose rollers to facilitate the hoisting of lines of hose to roofs of buildings were furnished to engine companies.

Drawing rigs for three horses abreast were provided to two engine and six hook and ladder trucks.

New hose was received (furnished under contract) and issued as follows :

8,000 feet 2½-inch cotton rubber lined (Baker), 7,250 feet 2½-inch cotton rubber lined (Eureka), and 50 feet of 3¼-inch combination rubber were purchased and issued.

Three first size Amoskeag engines (self-propelling), registered Nos. 491, 492 and 493, being no longer serviceable and unfit for either repair or alteration, have been condemned and were ordered to be broken up. This has been carried out with reference to the two last (Nos. 492 and 493), and the first (No. 491) is now in process.

## Inventory of Apparatus.

	IN SERVICE.	SPARE.	TOTAL.
Marine steam fire-engines (Engine Companies Nos. 43 and 51).....	2	..	2
{ First size.....	8	8	16
{ Second size.....	33	8	41
Steam fire-engines..... { Third size.....	7	2	9
{ Fourth size.....	15	..	15
{ Fifth size.....	2	..	2
Hose-tenders, four-wheeled.....	31	2	33
Hose-tenders, two-wheeled.....	31	10	43
Water-towers.....	3	..	3
{ Roller-frame, with extension ladder { 1st size	15	3	25
{			

## Inventory of Hose.

	SIZE.	NUMBER OF FEET.
Combination rubber hose.....	2 inch.	400
Combination rubber.....	2½ "	80,400
" tapering from.....	2½ to 3½ "	25
Cotton, rubber lined.....	2½ "	80,148
Linen.....	2½ "	800
Combination rubber.....	3½ "	4,908
".....	4 "	112
".....	5 "	12
".....	6 "	100
Cotton, rubber lined.....	3½ "	1,000
Total.....	.....	167,905

Description of Steam Fire Engines—Classified.

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.		
1	Barrel tank....	Tubular...	Double	8	12	4 1/2	8,800	Sept., 1865	Amoskeag.....	142	Spare.
1	" .....	Drop tube.	"	8	12	4 1/2	8,800	Sept., 1865	" .....	143	"
1	" .....	"	"	8	12	4 1/2	8,800	Sept., 1866	" .....	191	"
1	" .....	Tubular...	"	8	12	4 1/2	8,800	Sept., 1866	" .....	192	"
1	" .....	Drop tube.	"	8	12	4 1/2	8,800	Oct., 1866	" .....	193	"
1	" .....	"	"	8	12	4 1/2	8,800	Nov., 1866	" .....	195	"
1	Straight frame.	"	"	8 1/2	8	4 1/2	9,600	Oct., 1872	" .....	184	"
1	* Crane neck....	"	"	7 1/2	8	4 1/2	9,600	Sept., 1874	" .....	494	No. 18.
1	" .....	"	"	7 1/2	8	4 1/2	7,320	Mar., 1879	Clapp & Jones.	527	Spare.
1	" .....	Coil.....	"	7 1/2	8	4 1/2	7,375	Sept., 1880	Ahrens.....	252	No. 13.
1	" .....	Drop tube.	"	8	7	4 1/2	7,450	Oct., 1880	Clapp & Jones.	351	33
1	" .....	"	"	8	7	4 1/2	7,450	Nov., 1880	" .....	352	7
1	" .....	"	"	8 1/2	7	5	7,890	June, 1882	" .....	380	14
1	" .....	"	"	8 1/2	7	5	7,890	July, 1882	" .....	381	1
1	" .....	"	"	8 1/2	7	5	7,890	Aug., 1882	" .....	383	19
1	" .....	"	"	8 1/2	7	5	7,890	Sept., 1882	" .....	385	4
2	U tank.....	Tubular...	Single.	8	12	4 1/2	6,750	Dec., 1860	Amoskeag.....	19	Ward's Island.
2	" .....	"	"	8	12	4 1/2	6,750	Oct., 1865	" .....	147	No. 26.
2	" .....	Drop tube.	"	8	12	4 1/2	6,750	Nov., 1865	" .....	148	Spare.
2	" .....	Tubular...	"	8	12	4 1/2	6,750	Dec., 1865	" .....	157	"
2	" .....	"	"	8	12	4 1/2	6,750	Dec., 1865	" .....	158	No. 54.
2	" .....	"	"	8	12	4 1/2	6,750	Jan., 1866	" .....	159	Spare.
2	" .....	"	"	8	12	4 1/2	6,750	Jan., 1866	" .....	160	No. 12.
2	" .....	"	"	8	12	4 1/2	6,750	Feb., 1866	" .....	161	Spare.
2	" .....	"	"	8	12	4 1/2	6,750	Feb., 1866	" .....	162	"
2	" .....	Drop tube.	"	8	12	4 1/2	6,750	Mar., 1866	" .....	163	"
2	" .....	Tubular...	"	8	12	4 1/2	6,750	Apr., 1866	" .....	164	"
2	" .....	{Sectional } {coil tube }	"	8	12	4 1/2	6,750	Apr., 1866	" .....	165	No. 16.
2	" .....	Tubular...	"	8	12	4 1/2	6,750	Aug., 1866	" .....	166	Spare.
2	Harp tank.....	"	"	8	12	4 1/2	6,050	May, 1865	" .....	132	No. 36.
2	Straight frame.	{Sectional } {coil tube }	Double	6 1/2	8	4 1/2	6,700	Mar., 1867	" .....	226	28
2	" .....	Drop tube.	"	6 1/2	8	4 1/2	6,700	Mar., 1867	" .....	227	31
2	" .....	"	"	6 1/2	8	4 1/2	6,700	Mar., 1867	" .....	228	21
2	" .....	"	"	6 1/2	8	4 1/2	6,700	Apr., 1867	" .....	229	25
2	" .....	"	"	6 1/2	8	4 1/2	6,700	May, 1867	" .....	230	5
2	" .....	"	"	6 1/2	8	4 1/2	6,700	Aug., 1868	" .....	295	27
2	" .....	Nest tube.	"	6 1/2	8	4 1/2	6,700	Sept., 1868	" .....	296	16
2	" .....	Tubular...	"	6 1/2	8	4 1/2	6,700	Sept., 1868	" .....	301	Spare.
2	" .....	"	"	6 1/2	8	4 1/2	6,700	Nov., 1868	" .....	302	No. 34.
2	Crane neck....	Drop tube.	"	6 1/2	8	4 1/2	6,800	Feb., 1871	" .....	359	23
2	" .....	Tubular...	"	6 1/2	8	4 1/2	6,800	Feb., 1871	" .....	360	15
2	" .....	Drop tube.	"	6 1/2	8	4 1/2	6,800	Mar., 1871	" .....	361	6
2	" .....	"	"	6 1/2	8	4 1/2	6,800	Mar., 1871	" .....	362	30
2	" .....	"	"	6 1/2	8	4 1/2	6,800	Mar., 1871	" .....	363	11
2	" .....	Tubular...	"	6 1/2	8	4 1/2	6,950	June, 1873	" .....	437	8
2	" .....	Drop tube.	"	5 1/2	8	4 1/2	6,950	June, 1873	" .....	438	24
2	" .....	"	"	6 1/2	8	4 1/2	6,950	July, 1873	" .....	439	12
2	" .....	Tubular...	"	6 1/2	8	4 1/2	6,950	Sept., 1873	" .....	440	29
2	" .....	Drop tube.	"	6 1/2	8	4 1/2	6,950	Sept., 1873	" .....	441	3
2	" .....	Tubular...	"	6 1/2	8	4 1/2	6,950	Sept., 1873	" .....	455	39
2	" .....	"	"	6 1/2	8	4 1/2	6,800	Nov., 1868	Gould.....	7	Ward's Island.
2	" .....	Coil.....	"	6 1/2	8	4 1/2	6,210	July, 1883	Ahrens.....	358	No. 13.
2	" .....	"	"	6 1/2	8	4 1/2	6,210	July, 1883	" .....	360	20
2	" .....	Drop tube.	"	7 1/2	7	4 1/2	6,550	July, 1883	Clapp & Jones.	413	32
2	" .....	"	"	7 1/2	7	4 1/2	6,485	Aug., 1883	" .....	415	27
2	" .....	"	"	7 1/2	7	4 1/2	6,885	July, 1885	" .....	463	31
2	" .....	{Sectional } {coil tube. }	"	7 1/2	7	4 1/2	6,740	Aug., 1886	" .....	473	4
3	Harp tank.....	"	Single.	7 1/2	9 1/2	4 1/2	5,550	May, 1861	Amoskeag.....	36	Spare.
3	" .....	Tubular...	"	7 1/2	9	4 1/2	5,700	Dec., 1876	" .....	516	"
3	" .....	"	"	7 1/2	9	4 1/2	5,700	Feb., 1877	" .....	517	No. 37.
3	" .....	"	"	7 1/2	9	4 1/2	5,700	Feb., 1877	" .....	519	38
3	" .....	"	"	7 1/2	9	4 1/2	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 Isl.
3	Crane neck....	Drop tube.	Rotary.	7 1/2	7	4 1/2	6,400	July, 1884	Silsby.....	780	No. 17.
4	" .....	"	"	9 1/2	6	5 1/2	5,750	June, 1881	Clapp & Jones.	359	20
4	" .....	"	"	9 1/2	6	5 1/2	5,750	June, 1881	" .....	362	44
4	" .....	"	"	9 1/2	6	5 1/2	5,750	July, 1881	" .....	365	53
4	" .....	"	"	9 1/2	6	5 1/2	5,300	Oct., 1881	" .....	368	33
4	" .....	"	"	9 1/2	6	5 1/2	5,300	Oct., 1881	" .....	370	40
4	" .....	"	"	9 1/2	6	5 1/2	5,300	Nov., 1881	" .....	371	49
4	" .....	"	"	9 1/2	6	5 1/2	5,300	Dec., 1881	" .....	375	41
4	" .....	"	"	9 1/2	6	5 1/2	5,900	April, 1884	" .....	430	18
4	" .....	"	"	9 1/2	6	5 1/2	5,900	April, 1884	" .....	432	22

\* Altered from self-propeller.

STYLE OF—			SIZE IN INCHES OF—			Weight with Water	When first placed in service	MANUFACTURER'S—		ENGINE COMPANY NOW USING.
	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.			Name.	Number.	
4...	Drop tube.	Rotary.	9½	6	5½	5,900	May, 1884	Clapp & Jones	433	No. 5
....	"	"	9½	6	5½	5,900	May, 1884	"	434	2
....	"	"	9½	6	5½	5,900	May, 1884	"	436	26
....	"	"	9½	6	5½	5,900	June, 1884	"	438	35
ame.	"	"	9½	6	5½	4,745	July, 1883	"	409	48
"	"	"	9½	6	5½	4,745	Aug., 1883	"	417	46
"	"	"	7½	6	4½	4,680	Nov., 1882	"	397	50
...	"	"	7½	6	4½	5,030	Nov., 1884	"	452	52
ine.	Tubular ...	Double.	{ 11 12	5 ...			May, 1875	Amoskeag....	{ 513	43
			{ 11 12	5 ...					{ 514	
	"	"	{ 16 9	7½ ...			April, 1883	Clapp & Jones	{ 405	51
			{ 16 9	7½ ...					{ 406	

Description of Hook and Ladder Trucks—Classified.

No.	Size.	Style.	Manufacturer.	Longest Ladder.	Where Used.
2	1st	Turn-table....	La France Mfg. Co.....	85 feet extension..	Hook and Ladder 3 and 16.
3	1st	Roller frame..	Fire Ext'r Mfg. Co.....	73 "	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, 4, 7 and 13, and 2 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.
1	2d	" .....	Fire Ext'r Mfg. Co.....	50 "	Engine 38.
1	2d	" .....	" .....	52 "	Engine 52.
1	2d	" .....	" .....	50 "	Spare.
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 and Ladder 19 and Randall's Island.
1	3d	" .....	" .....	"	Spare.

\* One originally built by Harshorne, New York.

## HORSES.

December 31, 1885, number of horses on hand .....	328
Purchased since .....	36
Died.....	6
Sold.....	23
December 31, 1886, number on hand.....	335
On Probation.	
December 31, 1885 .....	28
Received.....	90
Accepted.....	36
Rejected .....	70
Remaining on probation.....	12

The number of horses required for service is 330, leaving only 5 spare horses owned by the Department, which would not be sufficient for all emergencies. The horses on probation, however, augment the number sufficiently.

During the last quarter alone 52 horses were reported unfit for service, the result of sickness or injury, 2 of which died, 41 were returned to duty and 9 remain in the Hospital Stables under treatment.

## NEW BUILDINGS.

The new Headquarters building (Nos. 157 and 159 East Sixty-seventh street) was so nearly completed at the close of the year as to make it practicable to remove all the Department offices to it except the Fire Alarm Telegraph, which cannot be removed before the 1st of March next. Arrangements were accordingly made and the removal was effected between the last day of 1886 and the first business day of 1887 without interruption to the business of the Department. The old Headquarters building in Mercer street had been used for office purposes by the Volunteer Department from 1854 to 1865, and since then by the Paid Department, and had become entirely inadequate to the wants of the Department, being so cramped that it became necessary some years ago to obtain other offices in an adjoining building to accommodate a part of the Department. It was poorly lighted and ventilated, and most important of all, was very combustible and so liable to take fire from the adjacent high mercantile buildings as to seriously endanger that very important branch of the service, the Fire Alarm Telegraph. This danger was frequently commented upon both in official circles and in the public press.

Mayor Edson, in his message in 1883, mentions "the rather anomalous and startling fact that the Headquarters of the Fire Department is itself in danger of destruction by fire at any time, the consequences of which might be disastrous beyond measure. Although there is here provided a duplicate set of the delicate and complicated apparatus by which instant communication is had with all parts of the city and with every station, yet such apparatus, if seriously injured or destroyed, could not be reproduced without much delay, and meanwhile the City might be the loser to the extent of millions. The first step should be to provide a triplicate set of the communicating apparatus and place it in a secure spot, and the next should be to erect a suitable fire-proof building, with proper provision in it for the important and growing Bureau of Inspection of Buildings, which is now crowded into a single room of this otherwise admirably arranged and methodically conducted Department."

The new building, which is quite handsome in appearance, is six stories high, occupies an area of fifty feet front on Sixty-seventh street by about one hundred feet in depth, and has in rear an inclosed yard fifty by one hundred feet extending to Sixty-eighth street, which is to be used as a practicing ground in connection with the School of Instruction and Life Saving Corps, for the training of officers and men. The structure is very substantially built and is practically fire-proof. The style of architecture is Romanesque.

In the new building all the offices are provided for, including a large room for the School of Instruction (hitherto located in an engine-house), and facilities at the rear of the building for the training and exercise of the Life Saving Corps, which has heretofore (since 1883) been obliged to avail itself of the kindness of Anson Lamont, Esq., who has kindly permitted the use of an unoccu-



pied building at the foot of West One Hundred and Fifty-eighth street for the purpose. And in addition to this, two companies are located in the building: Engine Co. No. 39, which was formerly located upon this site, and Hook and Ladder Co. No. 16, a new organization necessitated by the many schools, asylums, hospitals, etc., located in the vicinity, as well as by the fact that prior to its organization there was no hook and ladder company on the east side of the city, between Fiftieth and Eighty-seventh streets.

The new building is well heated (mainly by indirect radiation), well ventilated and lighted, and is furnished with both gas and an incandescent system of electric lighting. The interior arrangement of the building is, in brief, as follows: The first and second floors are occupied by the two companies, with exception of a hall, stairway and elevator shaft on the eastern side of the building. The third story is the Headquarters of the Department proper, having rooms for the Commissioners and their immediate assistants and the Bureau of the Chief of Department. The fourth floor contains the offices of the Bureau of Inspection of Buildings and of the Attorney. The fifth floor is for the Bureau of Combustibles, School of Instruction and Medical Officers. The sixth floor is for the Bureau of Fire Marshal and the Fire Alarm Telegraph. Over the eastern end of the front of the building a tower rises to a considerable altitude, the first story of which forms a belfry and the second story an observatory, the tower terminating in a spire surmounted by a finial. In the cellar the heating and lighting apparatus is located.

In all respects the building is well adapted to the purposes for which it is intended, and it is especially well protected in case of riot by the two fire apparatus companies on the ground floor, its nearness to the armory of the Seventh Regiment and the fact that a new police station is in course of construction on an adjoining plot. Its location is rapidly becoming central.

It is the intention to utilize the old building in Mercer street, which is located in the heart of the dry-goods district, and to strengthen the uniformed force in that important section by fitting it for occupancy by a hook and ladder company, as well as for night quarters of the Chief of Department, a fuel depot, etc.

The houses for the new companies to be organized, Engine Co. No. 55, at No. 173 Elm street, and Hook and Ladder Co. No. 18, at No. 84 Attorney street, are both nearly completed and will be occupied at an early date.

#### ALTERATIONS AND REPAIRS TO BUILDINGS.

Extensive alterations and repairs were made to the quarters of Engine Cos. Nos. 4, 12, 14, 17, 19, 40 and 48.

Ordinary repairs, involving carpenter, mason, iron, calking, glazing, painting, tin-smiths' work, etc., were made to the buildings of the Department amounting in the aggregate to one hundred and twenty-three different jobs of work.

#### BUILDINGS OCCUPIED BY OR UNDER THE CONTROL OF THE DEPARTMENT.

Headquarters on December 31—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.

The new Headquarters, Nos. 157 and 159 East Sixty-seventh street, were occupied on the first working day of the year 1887, by all the offices except the Fire Alarm Telegraph, which is preparing for removal, as elsewhere stated.

Repair Shops, Nos. 130 and 132 West Third street.  
Hospital Stables, Ninety-ninth street, between Ninth and Tenth avenues.  
Training Stables, No. 58 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 Seventeenth street. (Fuel Depot No. 5.)

" 3, No. 417 Liberty street.

" 4, No. 390 East Fourteenth street.

" 5, No. 100 Cedar street.

" 6, No. 22 Chambers street. †

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

" 8, No. 55 East Broadway.

" 9, No. 8 Stone street.

" 10, No. 437 East Houston street.

" 11, No. 261 William street.

" 12, No. 99 Wooster street.

" 13, No. 14 East Eighteenth street.

" 14, No. 269 Henry street.

" 15, No. 223 East Twenty-fifth street.

" 16, No. 91 Ludlow street.

" 17, No. 132 West Tenth street. (Fuel Depot No. 4.)

" 18, No. 355 West Twenty-fifth street. (Fuel Depot No. 12.)

" 19, No. 47 Marion street.

" 20, No. 216 East Fortieth street.

" 21, No. 159 East Eighty-fifth street. (Fuel Depot No. 14.)

" 22, No. 235 West Fifty-eighth street.

" 23, No. 78 Morton street. (Fuel Depot No. 9.)

" 24, No. 342 Fifth street.

" 25, No. 220 West Thirty-seventh street.

" 26, No. 173 Franklin street.

" 27, No. 604 East Eleventh street.

" 28, No. 193 Fulton street.

" 29, No. 253 Spring street. \*

" 30, No. 116 Leonard street.

" 31, No. 108 John street. \*

" 32, No. 15 Great Jones street.

" 33, No. 440 West Thirty-third street.

" 34, No. 223 East One Hundred and Nineteenth street.

" 35, No. 2333 Fourth avenue.

" 36, No. 83 Lawrence street.

" 37, Tenth avenue, between One Hundred and Fifty-fourth and One Hundred and Fifty-fifth streets.

" 38, No. 157 East Sixty-seventh street.

" 39, Sixty-eighth street, between Tenth avenue and Boulevard.

" 40, No. 501 North Third avenue. †

" 41, Fulton avenue, between One Hundred and Sixty-seventh and One Hundred and Sixty-eighth streets.

" 42, (Floating engine), foot of Clinton street, East river.

" 43, No. 221 East Seventy-third street.

" 44, North side Tremont avenue, between Southern Boulevard and Vyse street.

" 45, Morris street, between Madison and Washington avenues. \*

" 46, Tenth avenue, between Ninety-seventh and Ninety-eighth streets.

" 47, Thomas avenue, near Kingsbridge road.

" 48, Blackwell's Island.

" 49, One Hundred and Sixty-sixth street, between Washington and Third avenues.

" 50, (Floating engine), foot of West Thirteenth street.

" 51, Riverdale avenue, near junction of Westchester avenue.

" 52, No. 175 East One Hundred and Fourth street. (Fuel Depot No. 15.)

" 53, No. 304 West Forty-seventh street.

Hook and Ladder Company No. 1, No. 26 Chambers street. †

" 2, No. 126 East Fiftieth 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.

" 16, One Hundred and Forty-third street, near Third avenue. (Fuel Depot No. 16.)

" 17, 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. 180 Clinton 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. 199 Chrystie street.  
" 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. 53).  
" 16, (see Hook and Ladder Company No. 17).

Store-house, No. 20 Eldridge street.  
" No. 180 Clinton street. (Fuel Depot No. 6).  
" No. 199 Chrystie street, also occupied by second section of Hook and Ladder Company No. 9, and Fuel Depot No. 11.  
" Division street, near Boston road.  
New house, No. 84 Attorney street, for new company, Hook and Ladder No. 18, nearly completed.  
" No. 173 Elm street, new house for new company, Engine No. 55, nearly completed.

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 NEW YORK FIRE DEPARTMENT LIFE INSURANCE FUND, 1871-1886.

Receipts.	
1871	\$5,040 00
1872	7,773 00
1873	8,789 00
1874	6,395 00
1875	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
1886	17,686 53
Total	\$165,362 01

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
1886	17,000 00
Total	\$162,000 00
Balance on hand	\$3,362 01

#### NEW YORK FIRE DEPARTMENT LIFE INSURANCE FUND.

Dec. 31, 1885	Balance on hand	\$2,675 48
Receipts:		
	For assessments	\$17,658 00
	For interest on deposits	28 53
		17,686 53
Disbursements:		\$20,362 01
Dec. 31, 1886	To widow of John McKowen	1,000 00
	" William E. Miller	1,000 00
	" Celey B. Jones	1,000 00
	Administrator of Hugh J. Golden	1,000 00
	" Dennis McGee	1,000 00
	To Administrator of Estate of Cornelius Spencer	1,000 00
	" Edward Bonnell	1,000 00
	Widow of Francis Mahedy	1,000 00
	" Miles T. Murphy	1,000 00
	" John Sheridan	1,000 00
	" Daniel W. Hernon	1,000 00
	Administratrix of Henry W. Hoburg	1,000 00
	Widow of William Wogan	1,000 00
	Administratrix of Luke Kavanagh	1,000 00
	Widow of Albert Stone	1,000 00
	" James Carten	1,000 00
	Administrators of Robert Black	1,000 00
		17,000 00
	Balance	\$3,362 01

## RECEIPTS AND DISBURSEMENTS OF THE RELIEF FUND, 1871-1886.

## Receipts.

FROM	1871. 7 MONTHS.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	TOTALS.
Metropolitan Fire Department Relief Fund	\$7,340 07																\$7,340 07
Fines	646 51	\$621 64	\$843 31	\$734 79	\$972 51	\$567 15	\$489 46	\$568 98	\$518 03	\$1,068 89	\$868 80	\$1,304 55	\$1,966 33	\$1,703 23	\$2,005 84	\$1,839 84	16,769 86
Donations		100 00	1,060 00	374 00		100 00		100 00				100 00		100 00	258 00	580 00	2,772 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	460 00	400 00	550 00	200 00	12,152 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	30,100 00	29,760 00	31,180 00	31,270 00	32,720 00	35,270 00	36,550 00	37,100 00	496,728 00
Fireworks permits	495 00	509 00	537 00	522 75	519 25	645 50	472 95	332 75	355 00	363 50	409 25	440 75	462 75	513 50	583 75	620 50	7,782 50
Interest	275 55	1,999 86	4,258 91	9,298 22	10,110 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	20,712 94	244,309 90
Foreign insurance tax		9,942 30	12,072 04	16,136 25	15,081 24	12,878 98	12,112 10	16,630 02	17,582 80								112,635 73
Powder licenses		211 00	571 50	241 50	306 50	385 50	384 50	192 00	180 00	178 00	186 00	188 00	198 00	190 00	168 00	172 00	3,752 50
Special permits								238 00	274 00	328 00	370 00	366 00	722 00	872 00	806 00	956 00	4,932 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	355 00	4,736 50
Fires in street permits							50	41 75	85 00	64 00	56 00	63 00	59 00	60 50	69 50	68 00	632 75
Sales—Seized Com- bustibles			24 25						6 30	10 00	63 25	35 37		6 75			145 92
Sales—Sample oils				27 06				10 00		1 35							88 41
Excise licenses															18,397 00	62,406 50	80,803 50
Sales—Condemned horses, etc.															513 90	3,114 07	3,627 97
Absences without leave															176 00	316 14	492 14
Special leaves															2,081 96	3,621 65	5,703 61
New York State Dairy Commission																550 00	550 00
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	\$132,612 64	\$1,005,975 96

## Disbursements.

FOR	1871. 7 MONTHS.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	TOTALS
Salaries	\$5,950 00	\$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	858 29	7,432 54	10,789 04	10,427 46	\$9,838 58	\$17,636 20	61,910 31
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	56,958 68	252,251 24
Pensions of widows and orphans			1,819 50	2,625 00	2,736 68	3,344 53	4,200 09	5,800 71	6,329 94	13,339 63	15,388 16	17,561 27	20,369 40	23,133 65	25,116 27	28,707 58	170,492 41
Total	\$6,856 42	\$13,737 40	\$3,042 59	\$4,194 70	\$4,029 64	\$5,089 76	\$6,326 63	\$16,083 56	\$17,078 37	\$27,192 63	\$37,473 28	\$48,222 32	\$55,195 86	\$77,862 55	\$90,505 00	\$103,302 46	\$516,398 12

## RECAPITULATION.

Receipts, June 1, 1871, to December 31, 1886	\$1,005,975 96
Disbursements, June 1, 1871, to December 31, 1886	516,398 12
Balance on hand, December 31, 1886	\$489,577 84

The Commissioners testify with great pleasure to the efficiency of the several branches of the Department, and especially to the value of the service performed by the uniformed force, in acknowledgment of which the following circular was issued on New Year's day, being the last official action taken in the old headquarters:

HEADQUARTERS FIRE DEPARTMENT CITY OF NEW YORK,  
Nos. 155 AND 157 MERCER STREET,  
NEW YORK, January 1, 1887.

(Circular No. 1).

The Board of Fire Commissioners desire to congratulate the members of the uniformed force upon the faithful, zealous and fearless manner in which they have fulfilled their trying duties during the past year.

That the work of promptly extinguishing fires has been efficiently performed appears clearly from the fact that the steady decrease in loss of property by fire, dating from January, 1882, has been this year more than maintained, so that the average loss per fire this year has been considerably less than last year, and the average loss per fire during the last five years has been less than during any preceding five years since the organization of the New York Fire Department in 1865.

This gratifying result is due in great measure to the cheerful obedience which the uniformed force has yielded to the rules of discipline, to its alacrity in responding to alarms and to its earnest and effective efforts in extinguishing fires under the prudent and skillful control of its commanding officers.

The heroic courage with which certain members of the force have exposed their own lives in rescuing others is worthy of especial praise, and when the question of promotions comes before the Board these acts will receive the same consideration that similar acts have received in the past.

Very respectfully,

HENRY D. PURROY,  
RICHARD CROKER,  
ELWARD SMITH,

Commissioners.

CARL JUSSEN, Secretary.

## APPROVED PAPERS.

Resolved, That permission be and the same is hereby given to Mrs. Mary Corcoran to sell newspapers without using or occupying a stand, at and near the entrance to the Fulton Ferry, at the foot of Fulton street, East river; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, March 29, 1887.

Approved by the Mayor, April 11, 1887.

Resolved, That gas-mains be laid, lamp-posts erected and street-lamps lighted in One Hundred and Thirty-sixth street, from Seventh avenue to Eighth avenue, under the direction of the Commissioner of Public Works.

Adopted by the Board of Aldermen, March 29, 1887.

Approved by the Mayor, April 11, 1887.

Resolved, That a crosswalk of three courses of blue stone be laid across the north and south sides, and a crosswalk of two courses of blue stones across the east and west sides of Tenth avenue and One Hundred and Thirtieth street, under the direction of the Commissioner of Public Works; and that the accompanying ordinance therefor be adopted.

Adopted by the Board of Aldermen, March 29, 1887.

Approved by the Mayor, April 11, 1887.

Resolved, That water-mains be laid in Potter place, from Central avenue to Williamsbridge road, pursuant to section 356 of the New York City Consolidation Act.

Adopted by the Board of Aldermen, March 29, 1887.

Approved by the Mayor, April 11, 1887.

Resolved, That One Hundred and Fifteenth street, from Eighth avenue to Ninth avenue, be regulated and graded, curb-stones set and sidewalks flagged a space four feet wide, through the centre thereof, under the direction of the Commissioner of Public Works; and that the accompanying ordinance therefor be adopted.

Adopted by the Board of Aldermen, March 29, 1887.

Approved by the Mayor, April 11, 1887.

Resolved, That the vacant lots on the north side of One Hundred and Tenth street, between Fourth and Madison avenues, be let in, under the direction of the Commissioner of Public Works; and that the accompanying ordinance therefor be adopted.

Adopted by the Board of Aldermen, April 5, 1887.

Approved by the Mayor, April 16, 1887.

Resolved, That the carriageway of Ninety-ninth street, from the Boulevard to Tenth avenue, be paved with trap-block pavement, and that crosswalks be laid at the terminating avenues, where not already laid, under the direction of the Commissioner of Public Works; and that the accompanying ordinance therefor be adopted.

Adopted by the Board of Aldermen, April 5, 1887.

Approved by the Mayor, April 16, 1887.

Resolved, That Croton-mains be laid in Seventy-sixth street, from Eighth to Ninth avenue pursuant to section 356 of the New York City Consolidation Act.

Adopted by the Board of Aldermen, April 5, 1887.

Approved by the Mayor, April 16, 1887.

Resolved, That gas-mains be laid, lamp-posts erected and street-lamps placed thereon and lighted in Tenth avenue, from One Hundred and Seventeenth to One Hundred and Twenty-fifth street, under the direction of the Commissioner of Public Works.

Adopted by the Board of Aldermen, April 5, 1887.

Approved by the Mayor, April 16, 1887.

Resolved, That the carriageway of Eighty-sixth street, from the crosswalk on the westerly side of Eighth avenue to the crosswalk on the easterly side of Riverside avenue, be paved with granite-block pavement, and that crosswalks be laid at the intersecting and terminating avenues where not already laid, under the direction of the Commissioner of Public Works; and that the accompanying ordinance therefor be adopted.

Adopted by the Board of Aldermen, April 5, 1887.

Approved by the Mayor, April 16, 1887.



## DEPARTMENT OF PUBLIC WORKS.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE, NO. 31 CHAMBERS STREET,  
NEW YORK, April 14, 1887.

In accordance with the provisions of section 51 of chapter 410 of the Laws of 1882, the Department of Public Works makes the following report of its transactions for the week ending April 9, 1887:

## Public Moneys Received during the Week.

For Croton water rents .....	\$8,993 25
For penalties on water rents .....	139 50
For tapping Croton pipes .....	237 50
For sewer permits .....	290 52
For restoring and repaving—Special Fund .....	454 00
For redemption of obstructions seized .....	24 22
For vault permits .....	2,463 31
Total .....	\$12,602 30

## Public Lamps.

- 11 new lamps lighted.  
1 old lamp relighted.  
4 lamps discontinued.  
11 lamp-posts removed.  
2 lamp-posts reset.  
3 lamp-posts straightened.  
3 columns refitted.  
29 columns relighted.

Report of Photometrical Examinations of Illuminating Gas, for the week ending April 9, 1887, made at the Photometrical Rooms of the Department of Public Works.

DATE.	TIME.	Thermometer.	Barometer.	GAS COMPANY.	BURNER.	Pressure as indicated in burner.	Consumption of Gas, Rate per hour.	Consumption of Gas, Rate per hour.	ILLUMINATING POWER.	
									Observed.	Corrected.
April 4	6 P.M.	73.	29.73	Manhattan	Empire 5 ft.	.62	5.00	122.4	20.40	20.81
" 5	3 P.M.	75.	29.93	"	"	.63	5.00	124.2	20.50	21.22
" 6	4 30 P.M.	72.	30.27	"	"	.63	5.00	115.8	22.78	21.98
" 7	2 P.M.	75.	30.48	"	"	.62	5.00	118.8	21.28	21.07
" 9	5 30 P.M.	72.	30.31	"	"	.59	5.00	120.0	19.86	19.86
Average.									20.99	
April 4	5 30 P.M.	73.	29.73	New York	Bray's Split Union 2	.76	5.00	114.0	28.86	27.42
" 5	3 30 P.M.	75.	29.93	"	"	.74	5.00	120.0	26.18	26.18
" 6	4 P.M.	72.	30.27	"	"	.77	5.00	120.0	29.90	29.90
" 7	2 30 P.M.	75.	30.48	"	"	.74	5.00	117.0	26.22	25.56
" 9	5 P.M.	72.	30.31	"	"	.74	5.00	115.8	26.38	25.45
Average.									26.90	
April 4	4 P.M.	73.	29.73	N. Y. Mutual	"	.81	5.00	117.0	30.50	29.74
" 5	5 P.M.	75.	29.93	"	"	.82	5.00	119.4	30.46	30.31
" 6	2 30 P.M.	72.	30.27	"	"	.81	5.00	121.2	30.18	30.48
" 7	4 P.M.	75.	30.48	"	"	.82	5.00	115.0	31.64	30.37
" 9	3 30 P.M.	72.	30.31	"	"	.81	5.00	114.0	30.94	29.39
Average.									30.06	
April 4	5 P.M.	73.	29.73	Municipal	"	.76	5.00	120.0	29.88	29.88
" 5	4 P.M.	75.	29.93	"	"	.77	5.00	117.0	30.24	29.48
" 6	3 30 P.M.	72.	30.27	"	"	.77	5.00	115.8	31.20	30.11
" 7	3 P.M.	75.	30.48	"	"	.77	5.00	117.0	29.94	29.19
" 9	4 30 P.M.	72.	30.31	"	"	.76	5.00	117.6	29.10	28.52
Average.									29.43	
April 4	4 30 P.M.	73.	29.73	Equitable	"	.77	5.00	118.2	31.10	31.62
" 5	4 30 P.M.	75.	29.93	"	"	.77	5.00	121.2	31.08	31.39
" 6	3 P.M.	72.	30.27	"	"	.77	5.00	123.6	32.50	33.47
" 7	3 30 P.M.	75.	30.48	"	"	.77	5.00	120.0	32.42	32.42
" 9	4 P.M.	72.	30.31	"	"	.76	5.00	120.0	31.66	31.66
Average.									32.11	
April 4	9 A.M.	78.	29.98	Metropolitan	No. 6	.66	5.00	125.0	19.30	20.26
" 5	9 30 A.M.	73.	29.89	"	"	.64	5.00	123.0	20.52	21.03
" 6	9 A.M.	64.	30.28	"	"	.68	5.00	120.0	21.02	21.02
" 7	9 30 A.M.	74.	30.55	"	"	.66	5.00	123.0	20.70	21.22
" 9	12 30 P.M.	68.	30.44	"	"	.65	5.00	122.4	21.26	21.68
Average.									21.04	
April 4	9 30 A.M.	78.	29.98	Knickerbocker	"	.80	5.00	120.6	25.24	25.37
" 5	9 A.M.	72.	29.89	"	"	.81	5.00	123.6	24.88	25.62
" 6	9 30 A.M.	64.	30.28	"	"	.84	5.00	119.4	25.92	25.79
" 7	9 A.M.	74.	30.55	"	"	.83	5.00	120.0	25.48	25.48
" 9	12 M.	67.	30.44	"	"	.81	5.00	117.0	25.16	24.53
Average.									25.36	

E. G. LOVE, PH. D., Gas Examiner.

## Permits Issued.

- 55 permits to tap Croton pipes.  
40 permits to open streets.  
28 permits to make sewer connections.

- 20 permits to repair sewer connections.  
178 permits to place building material on streets.  
28 permits—special.  
5 permits for construction of street vaults.

## Obstructions Removed.

19 obstructions removed from the various streets and avenues during the week.

## Repairing and Cleaning Sewers.

- 74 receiving-basins and culverts cleaned.  
1,050 lineal feet of sewer cleaned.  
6 lineal feet of sewer repaired.  
24 lineal feet of culvert rebuilt.  
63 lineal feet of new culvert built.  
6 lineal feet of spur pipe laid.  
2 lineal feet of new curb set.  
4 receiving-basins repaired.  
12 manholes repaired.  
3 new basin covers put on.  
44 new manhole covers put on.  
11 manhole heads reset.  
1 basin head reset.  
157 cubic yards of earth excavated and refilled.  
54 square yards of pavement relaid.  
1 cart-load of earth filling.  
254 cart-loads of dirt removed.

Statement of Laboring Force Employed in the Department of Public Works during the Week ending April 9, 1887.

NATURE OF WORK.	MECHANICS.	LABORERS.	TEAMS.	CARTS.
Aqueduct—Repairs and maintenance and strengthening .....	37	123	6	7
Supplying water to shipping .....	6	..	..	..
Laying Croton pipes .....	3	11	2	..
Repairing and renewals of pipes, stop-cocks, etc. ....	53	98	..	8
Bronx River Works—Maintenance and repairs .....	2	18	1	..
Repairing and cleaning sewers .....	5	46	..	22
Repairs and renewals of pavement .....	20	38	..	11
Boulevards, roads and avenues—Maintenance of .....	13	43	9	1
Roads, streets and avenues .....	1	13	3	..
Totals .....	140	390	21	49
Increase over previous week .....	..	18	1	..
Decrease from previous week .....	7	..	..	..

## Contracts Made and Entered into.

DATE OF CONTRACT.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.
1887. Mar. 23	Fencing vacant lots on block bounded by One Hundred and Thirty-first and One Hundred and Thirty-second streets, Madison and Fifth avenues .....	Bernard A. Roth, 402 East 122d street .....	..
" 28	Fencing vacant lots on block bounded by One Hundred and Sixth and Hundred and Seventh streets, Fourth to Madison avenue .....	Bernard A. Roth, 402 East 122d street .....	..
April 4	Setting curb-stones and flagging sidewalks in Sixty-second street, from the Boulevard to Eighth avenue .....	M. J. Kane, 126 East 70th street .....	Michael Kane, 126 East 70th street. Joseph Garry, 217 East 30th street. Michael Kane, 126 East 70th street. Joseph Garry, 217 East 30th street.
" 4	Sewer in Sixty-fourth street, between Avenue A and East river .....	M. J. Kane, 126 East 70th street .....	Theodore Moss, 513 Madison avenue. James D. Leary, 73 William street. Thomas Gearty, 135 East 8th street. Richard C. Baker, 1041 Park avenue.
" 4	Furnishing and delivering stop-cocks, hydrants, wooden hydrant boxes and cast-iron stop-cock boxes .....	Guy C. Hotchkiss, Field & Co., 624 East 14th street .....	..
" 4	Sewer in Hudson street, between Franklin and Beach streets .....	Patrick Reilly, 185 East 80th street .....	..
" 4	Laying water-mains in Tenth, Seventh, Fourth, Madison, West End and Riverside avenues, and One Hundred and Forty-ninth, One Hundred and Forty-fourth, One Hundred and Thirtieth, One Hundred and First and Seventy-seventh streets, and in Southern Boulevard .....	John Cornwell, Jr., 329 East 161st street .....	Moses Mehrbach, 433 Grand street. Anthony Miller, 2031 Sixth avenue.
" 6	Fencing vacant lots on south side One Hundred and Twenty-second street, commencing at a point about one hundred feet west of Pleasant avenue, and extending westerly about fifty feet .....	Bernard A. Roth, 402 East 122d street .....	..
" 6	Fencing vacant lots on block bounded by One Hundred and Thirteenth and One Hundred and Fourteenth streets, Fourth to Madison avenue .....	Bernard A. Roth, 402 East 122d street .....	..
" 6	Fencing vacant lots on block bounded by Ninety-fifth and Ninety-sixth streets, Second and Third avenues .....	Bernard A. Roth, 402 East 122d street .....	..
" 6	Fencing vacant lots on south side of One Hundred and Tenth street, between Fourth and Madison avenues .....	Bernard A. Roth, 402 East 122d street .....	..

## Appointments.

F. W. Bach, Inspector of Regulating and Grading.  
John J. Hart, Inspector of Regulating and Grading.  
Thomas G. Innes, Inspector of Sewers.  
James S. Valentine, Inspector of Sewers.

## Promotions.

M. S. Hungerford, Clerk, at \$1,000.  
H. A. Ludlam, Clerk, at \$1,000.  
A. C. Waite, Clerk, at \$1,000.  
R. W. Hawes, Clerk, at \$1,000.

## Resigned.

John S. Newlin, Assistant Engineer.

## Requisitions on the Comptroller.

The total amount of requisitions drawn by the Department on the Comptroller during the week is \$19,609.24.

D. LOWBER SMITH, Deputy Commissioner of Public Works.

## EXECUTIVE DEPARTMENT.

MAYOR'S MARSHAL'S OFFICE,  
NEW YORK, April 16, 1887.

Number of licenses issued and amounts received therefor, in the week ending Friday, April 15, 1887:

DATE.	NUMBER OF LICENSES.	AMOUNTS.
Saturday, April 9.....	68	\$96 75
Monday, " 11.....	82	116 75
Tuesday, " 12.....	98	164 00
Wednesday, " 13.....	84	635 00
Thursday, " 14.....	78	109 25
Friday, " 15.....	88	92 75
Totals.....	498	\$1,214 50

THOMAS W. BYRNES,  
Mayor's Marshal.

MAYOR'S OFFICE,  
NEW YORK, March 12, 1887.

Pursuant to section 9 of chapter 330 of the Laws of 1883, I hereby designate "The Star" and the "Daily News," two of the daily newspapers printed in the City of New York, in which notice of each sale of unredeemed pawns or pledges by public auction in said City by pawnbrokers shall be published for at least six days previous thereto, until otherwise ordered.

ABRAM S. HEWITT, Mayor.

## OFFICIAL DIRECTORY.

STATEMENT OF THE HOURS DURING WHICH all the Public Offices in the City are open for business, and at which each Court regularly opens and adjourns, as well as of the places where such offices are kept and such Courts are held; together with the heads of Departments and Courts.

## EXECUTIVE DEPARTMENT.

Mayor's Office.

No. 6 City Hall, 9 A. M. to 3 P. M.  
ABRAM S. HEWITT, Mayor; ARTHUR BERRY, Secretary and Chief Clerk.

Mayor's Marshal's Office.

No. 1 City Hall, 9 A. M. to 4 P. M.  
THOMAS W. BYRNES, First Marshal.  
GEORGE W. BROWN, Jr., Second Marshal.

## COMMISSIONERS OF ACCOUNTS.

Rooms 114 and 115, Stewart Building, 9 A. M. to 4 P. M.  
WM. PITT SHEARMAN, J. B. ADAMSON.

## AQUEDUCT COMMISSIONERS.

Room 206, Stewart Building, 5th floor, 9 A. M. to 3 P. M.  
JAMES C. SPENCER, President; JOHN C. SHEEHAN, Secretary; BENJAMIN S. CHURCH, Chief Engineer; J. C. LULLEY, Auditor.

## BOARD OF ARMY COMMISSIONERS.

THE MAYOR, Chairman; PRESIDENT OF DEPARTMENT OF TAXES AND ASSESSMENTS, Secretary.  
Address M. COLEMAN, Staats Zeitung Building, Tryon Row. Office hours, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

## LEGISLATIVE DEPARTMENT.

Office of Clerk of Common Council.

No. 8 City Hall, 10 A. M. to 4 P. M.  
HENRY R. BERKMAN, President Board of Aldermen  
FRANCIS J. TWOMEY, Clerk Common Council.

City Library.

No. 12 City Hall, 10 A. M. to 4 P. M.  
BERNARD JACOBS, City Librarian.

## DEPARTMENT OF PUBLIC WORKS.

Commissioner's Office.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
JOHN NEWTON, Commissioner; D. LOWBER SMITH, Deputy Commissioner.

Bureau of Chief Engineer.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
GEORGE W. BURNSALL, Chief Engineer.

Bureau of Water Register.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
JOHN H. CHAMBERS, Register.

Bureau of Street Improvements.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
WM. M. DEAN, Superintendent.

Engineer-in-Charge of Sewers.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
HORACE LOOMIS, Engineer-in-Charge.

Bureau of Repairs and Supplies.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
WILLIAM G. BERGEN, Superintendent.

Bureau of Water Purveyor.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
ALSTON CULVER, Water Purveyor.

Bureau of Lamps and Gas.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
STEPHEN MCCORMICK, Superintendent.

Bureau of Streets.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
GEO. E. BANCOCK, Superintendent.

Bureau of Incumbances.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
JOHN RICHARDSON, Superintendent.

Keeper of Buildings in City Hall Park.

MARTIN J. KESE, City Hall.

## FINANCE DEPARTMENT.

Comptroller's Office.

No. 15 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.  
EDWARD V. LOEW, Comptroller; RICHARD A. STORRS, Deputy Comptroller.

## Auditing Bureau.

Nos. 19, 21, 23 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.  
WILLIAM J. LYON, First Auditor.  
DAVID E. AUSTEN, Second Auditor.

Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents.

Nos. 31, 33, 35, 37, 39 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.

ARTHUR S. C. ADY, Collector of Assessments and Clerk of Arrears.

Bureau for the Collection of City Revenue and of Markets.

Nos. 1 and 3 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.

JAMES J. KELSO, Collector of the City Revenue and Superintendent of Markets.

GRAHAM MCADAM, Chief Clerk.

Bureau for the Collection of Taxes.

First floor, Brown-stone Building, City Hall Park.

GEORGE W. MCLEAN, Receiver of Taxes; ALFRED VREDENBURG, Deputy Receiver of Taxes.

Bureau of the City Chamberlain.

Nos. 25, 17 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.

WM. M. LYONS, City Chamberlain.

Office of the City Paymaster.

No. 33 Reade street, City Paymaster.

JOHN H. DIMMERMAN, City Paymaster.

## LAW DEPARTMENT.

Office of the Counsel to the Corporation.

Staats Zeitung Building, third floor, 9 A. M. to 5 P. M.  
Saturdays, 9 A. M. to 4 P. M.

E. HENRY LACOMBE, Counsel to the Corporation; ANDREW T. CAMPBELL, Chief Clerk.

Office of the Public Administrator.

No. 40 Beekman street, 9 A. M. to 4 P. M.  
RICHARD J. MORRISON, Public Administrator.

Office of the Corporation Attorney.

No. 40 Beekman street, 9 A. M. to 4 P. M.  
WILLIAM A. BOYD, Corporation Attorney.

## POLICE DEPARTMENT.

Central Office.

No. 300 Mulberry street, 9 A. M. to 4 P. M.  
STEPHEN B. FRENCH, President; WILLIAM H. KIPP, Chief Clerk; JOHN J. O'BRIEN, Chief Bureau of Elections.

## DEPARTMENT OF CHARITIES AND CORRECTION.

Central Office.

No. 66 Third avenue, corner Eleventh street, 8:30 A. M. to 5:30 P. M.

HENRY H. PORTER, President; GEORGE F. BRITTON, Secretary.

## FIRE DEPARTMENT.

Office hours for all except where otherwise noted from 9 A. M. to 4 P. M. Saturdays, to 3 P. M.

Headquarters.

Nos. 157 and 159 East Sixty-seventh street.  
HENRY D. PURROY, President; CARL JUSSEN, Secretary.

Bureau of Chief of Department.

CHARLES O. SHAY, Chief of Department.

Bureau of Inspector of Combustibles.

PETER SEERY, Inspector of Combustibles.

Bureau of Fire Marshal.

GEORGE H. SHELTON, Fire Marshal.

Bureau of Inspection of Buildings.

ALBERT F. D'ONCHI, Superintendent of Buildings.

Attorney to Department.

WM. L. FINDLEY.

Fire Alarm Telegraph.

J. ELLIOT SMITH, Superintendent of Telegraph, Nos. 155 and 157 Mercer street.

Central Office Fire Alarm Telegraph open at all hours.

Repair Shops.

Nos. 128 and 130 West Third street.

JOHN CASTLES, Foreman-in-Charge, 8 A. M. to 5 P. M.

Hospital Stables.

Ninety-ninth street, between Ninth and Tenth avenues.

JOSEPH SHEA, Foreman-in-Charge.

Open at all hours.

## HEALTH DEPARTMENT.

No. 301 Mott street, 9 A. M. to 4 P. M.

JAMES C. BAYLES, President; EDMONS CLARK, Secretary.

## DEPARTMENT OF PUBLIC PARKS.

Emigrant Industrial Savings Bank Building, Nos. 49 and 51 Chambers street, 9 A. M. to 4 P. M.

M. C. D. BORDEN, President; CHARLES DE F. BURNS, Secretary.

Civil and Topographical Office.

Arsenal, Sixty-fourth street and Fifth avenue, 9 A. M. to 5 P. M.

Office of Superintendent of 23d and 24th Wards.

One Hundred and Forty-sixth street and Third avenue, 9 A. M. to 5 P. M.

## DEPARTMENT OF DOCKS.

Battery, Pier A, North River, 9 A. M. to 4 P. M.

L. J. N. STARK, President; B. W. ELLISON, Secretary.

Office hours from 9 A. M. to 4 P. M. daily, except Saturdays, on Saturdays as follows: from October 1 to June 1, from 9 A. M. to 3 P. M.; from June 1 to September 30, from 9 A. M. to 12 M.

DEPARTMENT OF TAXES AND ASSESSMENTS.

Staats Zeitung Building, Tryon Row, 9 A. M. to 4 P. M. Saturdays, 3 P. M.

MICHAEL COLEMAN, President; FLOYD T. SMITH, Secretary.

Office Bureau Collection of Arrears of Personal Taxes.

Brown-stone Building, City Hall Park, 9 A. M. to 4 P. M.

CHARLES S. BEARDSLEY, Attorney; WILLIAM COMBERFORD, Clerk.

## DEPARTMENT OF STREET CLEANING.

Nos. 31 and 33 Park Row, "World" Building, Rooms 8 and 9, 9 A. M. to 4 P. M.

JAMES S. COLEMAN, Commissioner; JACOB SEABOLD, Deputy Commissioner; R. W. HORNBER, Chief Clerk.

CIVIL SERVICE SUPERVISORY AND EXAMINING BOARDS.

Room No. 11, City Hall.

EVERETT P. WHEELER, Chairman of the Supervisory Board; LEE PHILLIPS, Secretary and Executive Officer.

## BOARD OF ESTIMATE AND APPOINTMENT.

Office of Clerk, Staats Zeitung Building, Room 5.

THE MAYOR, Chairman; CHARLES V. ADER, Clerk.

## BOARD OF ASSESSORS.

Office City Hall, Room No. 115, 9 A. M. to 4 P. M.

EDWARD GILON, Chairman; WM. H. JASPER, Secretary.

## BOARD OF EXCISE.

No. 54 Bond street, 9 A. M. to 4 P. M.

CHARLES H. WOODMAN, President; DAVID S. WHITE, Secretary and Chief Clerk.

## SHERIFF'S OFFICE.

Nos. 3 and 4 New County Court-house, 9 A. M. to 4 P. M.

HUGH J. GRANT, Sheriff; JOHN B. SEXTON, Under Sheriff; BERNARD F. MARTIN, Order Arrest Clerk.

## REGISTER'S OFFICE.

East side City Hall Park, 9 A. M. to 4 P. M.

JAMES J. SLEVIN, Register; JAMES J. MARTIN, Deputy Register.

## COMMISSIONER OF JURORS.

Room 127, Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.

CHARLES REILLY, Commissioner; JAMES E. CONNER, Deputy Commissioner.

## COUNTY CLERK'S OFFICE.

Nos. 7 and 8 New County Court-house, 9 A. M. to 4 P. M.

JAMES A. FLACK, County Clerk; THOMAS F. GILROY, Deputy County Clerk.

## DISTRICT ATTORNEY'S OFFICE.

Second floor, Brown-stone Building, City Hall Park, 9 A. M. to 4 P. M.

RANDOLPH B. MARTINE, District Attorney; ANDREW D. PARKER, Chief Clerk.

## THE CITY RECORD OFFICE.

And Bureau of Printing, Stationery, and Blank Books.

No. 2 City Hall, 9 A. M. to 5 P. M., except Saturdays, on which days 9 A. M. to 3 P. M.

THOMAS COSTIGAN, Supervisor; R. P. H. ABELL, Book-keeper.

## CORONERS' OFFICE.

Nos. 13 and 15 Chatham street, 8 A. M. to 5 P. M. Sundays and holidays, 8 A. M. to 12:30 P. M.

MICHAEL J. B. MESSEMER, FERDINAND LEVY, FERDINAND EIDMAN, JOHN R. NUGENT, Coroners; JOHN T. TOAL, Clerk of the Board of Coroners.

## SUPREME COURT.

Second floor, New County Court-house, opens at 10:30 A. M.

CHARLES H. VAN BRUNT, Presiding Justice; JAMES A. FLACK, Clerk; THOMAS F. GILROY, Deputy County Clerk.

General Term, Room No. 9, WILLIAM LAMB, Jr., Clerk.

Special Term, Part I., Room No. 10, HUGH DONNELLY, Clerk.

Special Term, Part II., Room No. 18, WILLIAM J. HILL, Clerk.

Chambers, Room No. 12, WALTER BRADY, Clerk.

Circuit, Part I., Room No. 12, SAMUEL BARRY, Clerk.

Circuit, Part II., Room No. 14, RICHARD J. SULLIVAN, Clerk.

Circuit, Part III., Room No. 13, GEORGE F. LYON, Clerk.

Circuit, Part IV., Room No. 15, J. LEWIS LYON, Clerk.

Judges' Private Chambers, Rooms Nos. 19 and 20, EDWARD J. KNIGHT, Librarian.

## SUPERIOR COURT.

Third floor, New County Court-house, 11 A. M.

General Term, Room No. 35.

Special Term, Room No. 33.

Chambers, Room No. 33; 10 A. M.

Part I., Room No. 34.

Part II., Room No. 35.

Part III., Room No. 36.

Judges' Private Chambers, Room No. 30.

Naturalization Bureau, Room No. 32.

Clerk's Office, Room No. 31, 9 A. M. to 4 P. M.

JOHN SEDGWICK, Chief Judge; THOMAS BOESE, Chief Clerk.

## COURT OF COMMON PLEAS.

Third floor, New County Court-house, 11 A. M.

Assignment Bureau, Room No. 23, 9 A. M. to 4 P. M.

Clerk's Office, Room No. 24, 11 o'clock A. M. to adjournment.

General Term, Room No. 24, 11 o'clock A. M. to adjournment.

Special Term, Room No. 21, 11 o'clock A. M. to adjournment.

Chambers, Room No. 21, 10:30 o'clock A. M. to adjournment.

Part I., Room No. 25, 11 o'clock A. M. to adjournment.

Part II., Room No. 26, 11 o'clock A. M. to adjournment.

Part III., Room No. 27, 11 o'clock A. M. to adjournment.

Naturalization Bureau, Room No. 23, 9 A. M. to 4 P. M.

RICHARD L. LARREMORE, Chief Justice; NATHANIEL JARVIS, Jr., Chief Clerk.

## COURT OF GENERAL SESSIONS.

No. 32 Chambers street. Parts I. and II. Court opens at 11 o'clock A. M.

FREDERICK SMYTH, Recorder; HENRY A. GILDER-SLEEVE and RUPUS B. COWING, Judges of the said Court.

Terms, first Monday each month.

JOHN SPARKS, Clerk. Office, Room No. 11, 10 A. M. till 4 P. M.

## CITY COURT.

City Hall.

General Term, Room No. 20.

Trial Term, Part I., Room No. 20.

Part II., Room No. 19.

Part III., Room No. 15.

Special Term, Chambers, Room No. 21, 10 A. M. to 4 P. M.

Clerk's Office, Room No. 10, City Hall, 9 A. M. to 4 P. M.

DAVID MCADAM, Chief Justice; JOHN REID, Clerk.

## OVER AND TERMINER COURT.

New County Court-house, second floor, southeast corner, Room No. 12. Court opens at 10:15 o'clock A. M.

Clerk's Office, Brown-stone Building, City Hall Park, second floor, northwest corner, Room No. 11, 10 A. M. till 4 P. M.

## COURT OF SPECIAL SESSIONS.

At Tombs, corner Franklin and Centre streets, daily at 10:30 A. M., excepting Saturday.

Clerk's Office, Tombs.

## DISTRICT CIVIL COURTS.







## CORPORATION NOTICE.

**PUBLIC NOTICE IS HEREBY GIVEN TO THE** owner or owners, occupant or occupants of all houses and lots, improved or unimproved lands affected thereby, that the following assessments have been completed and are lodged in the office of the Board of Assessors, for examination by all persons interested, viz.:

List 2245, No. 1. Regulating, grading, setting curbstones and flagging Morris avenue, from One Hundred and Thirty-eighth to One Hundred and Fifty-sixth street.

List 2250, No. 2. Regulating, grading, curbing, flagging, paving and setting curbstones, from One Hundred and Thirty-fifth street, from North Third avenue to Mott Haven Canal.

List 2272, No. 3. Regulating, grading, setting curb and gutter stones, flagging the sidewalks and laying crosswalks in East One Hundred and Fifty-ninth street, from North Third to Railroad avenue.

List 2313, No. 4. Paving St. Nicholas place, from One Hundred and Fifty-fifth street to Avenue St. Nicholas.

List 2324, No. 5. Regulating, grading, setting curb and gutter stones, flagging and laying crosswalks in One Hundred and Fifty-fifth street, from Boston road to Union avenue.

List 2330, No. 6. Paving Ninety-first street, between Second and Fourth avenues.

The limits embraced by such assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on—

No. 1. Both sides of Morris avenue, from One Hundred and Thirty-eighth to One Hundred and Fifty-sixth street, and to the extent of half the block at the intersecting streets and avenues.

No. 2. Both sides of East One Hundred and Thirty-fifth street, from North Third avenue to Mott Haven Canal, and to the extent of half the block at the intersecting streets and avenues.

No. 3. Both sides of East One Hundred and Fifty-ninth street, from North Third to Railroad avenue, and to the extent of half the block at the intersecting streets and avenues.

No. 4. Both sides of St. Nicholas place, from One Hundred and Forty-eighth to One Hundred and Fifty-fifth street, and to the extent of half the block at the intersecting streets.

No. 5. Both sides of One Hundred and Fifty-fifth street, from Boston road to Union avenue, and to the extent of half the block at the intersecting avenues.

No. 6. Both sides of Ninety-first street, between Second and Fourth avenues, and to the extent of half the block at the intersecting avenues.

All persons whose interests are affected by the above-named assessments, and who are opposed to the same, or either of them, are requested to present their objections in writing to the Chairman of the Board of Assessors, at their office, No. 11½ City Hall, within thirty days from the date of this notice.

The above-described lists will be transmitted, as provided by law, to the Board of Revision and Correction of Assessments for confirmation, on the 15th day of May, 1887.

EDWARD GILON, Chairman,  
PATRICK M. HAVERTY,  
CHAS. E. WENDT,  
VAN BRUGH LIVINGSTON,  
Board of Assessors.

OFFICE OF THE BOARD OF ASSESSORS,  
No. 11½ CITY HALL,  
NEW YORK, April 11, 1887.

**PUBLIC NOTICE IS HEREBY GIVEN TO THE** owner or owners, occupant or occupants of all houses and lots, improved or unimproved lands affected thereby, that the following assessments have been completed and are lodged in the office of the Board of Assessors, for examination by all persons interested, viz.:

List 2330, No. 1. Filling sunken lots between One Hundred and Forty-fifth and One Hundred and Fifty-fifth streets, and Eighth and Ninth avenues.

List 2340, No. 2. Paving One Hundred and Thirty-second street, from Seventh to high avenue.

List 2349, No. 3. Regulating and grading, curbing and flagging Washington street, from Twelfth to Fourteenth street.

List 2382, No. 4. Sewer in One Hundred and Fifth street, between First avenue and Harlem river.

The limits embraced by such assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on—

No. 1. Property bounded by One Hundred and Forty-fifth and One Hundred and Fifty-fifth streets, Eighth avenue, and first new avenue west of Eighth avenue, including both sides of said new avenue.

No. 2. Both sides of One Hundred and Thirty-second street, from Seventh to high avenue, and to the extent of half the block at the intersecting streets.

No. 3. Both sides of Washington street, between Twelfth and Fourteenth streets.

No. 4. Both sides of One Hundred and Fifth street, from First avenue to Harlem river.

All persons whose interests are affected by the above-named assessments, and who are opposed to the same, or either of them, are requested to present their objections in writing to the Chairman of the Board of Assessors, at their office, No. 11½ City Hall, within thirty days from the date of this notice.

The above-described lists will be transmitted, as provided by law, to the Board of Revision and Correction of Assessments for confirmation, on the 6th day of May, 1887.

EDWARD GILON, Chairman,  
PATRICK M. HAVERTY,  
CHAS. E. WENDT,  
VAN BRUGH LIVINGSTON,  
Board of Assessors.

OFFICE OF THE BOARD OF ASSESSORS,  
No. 11½ CITY HALL,  
NEW YORK, April 5, 1887.

**PUBLIC NOTICE IS HEREBY GIVEN TO THE** owner or owners, occupant or occupants of all houses and lots, improved or unimproved lands affected thereby, that the following assessments have been completed and are lodged in the office of the Board of Assessors, for examination by all persons interested, viz.:

List 2290, No. 1. Sewer and appurtenances in North Third avenue and Boston road, between Brook avenue and One Hundred and Sixty-seventh street, with branch in North Third avenue, between One Hundred and Sixty-third and One Hundred and Sixty-fourth streets.

List 2325, No. 2. Sewer in One Hundred and Forty-first street, between Avenue St. Nicholas and Tenth avenue.

List 2337, No. 3. Sewer in Attorney street, between Stanton and Livingston streets.

List 2338, No. 4. Sewer in Fourth avenue, east side, between Fifty-fourth and Fifty-fifth streets.

List 2341, No. 5. Fencing vacant lots on the west side of St. Ann's avenue, between Westchester avenue and One Hundred and Fifty-sixth street, known as the "Benjamin Cemetery."

List 2346, No. 6. Sewer in One Hundred and Sixth street, between Boulevard and Summit east.

List 2350, No. 7. Flagging east side of St. Ann's and North Third avenues, from the northerly curb-line of East One Hundred and Sixty-first or Clifton street to the southerly curb-line of East One Hundred and Sixty-third street.

List 2351, No. 8. Sewer in Ninety-seventh street, between Boulevard and R. verside avenue.

List 2352, No. 9. Sewer in Forsyth street, between Stanton and Houston streets, from end of present sewer to connect with sewer in Houston street.

List 2353, No. 10. Sewer in One Hundred and Fourteenth street, between Fourth and Sixth avenues.

List 2354, No. 11. Sewer in One Hundred and Sixth street, between Summit east and west of Tenth avenue.

List 2357, No. 12. Sewer in Hudson street, between Christopher and Grove streets.

List 2358, No. 13. Fencing vacant lots on the northwest corner of Seventh avenue and One Hundred and Twenty-sixth street.

List 2359, No. 14. Fencing vacant lots on the block bounded by First and Second avenues, Eighty-second and Eighty-third streets.

List 2361, No. 15. Fencing vacant lots on the north side of Fifty-seventh street, 100 feet east of Broadway, and running east about 150 feet.

List 2362, No. 16. Fencing vacant lots on the northeast corner of Fourth avenue and One Hundred and Twenty-seventh street.

List 2373, No. 17. Flagging southeast corner of Lexington avenue and One Hundred and Twenty-third street.

List 2424, No. 18. Flagging Thirtieth street, between Sixth and Seventh avenues.

The limits embraced by such assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on—

No. 1. Both sides of North Third avenue and Boston road, between Brook avenue and One Hundred and Sixty-seventh street, Trinity avenue and Boston road; also property bounded by Clifton street, One Hundred and Sixty-third street, Cauldwell avenue and North Third avenue; and both sides of Clifton street between North Third and Cauldwell avenues.

No. 2. Both sides of One Hundred and Forty-first street from Avenue St. Nicholas to Tenth avenue; east side of New North avenue, from One Hundred and Thirtieth to One Hundred and Forty-third streets, and block bounded by One Hundred and Fortieth and One Hundred and Forty-second streets, New Ninth avenue and Tenth avenue.

No. 3. Both sides of Attorney street, between Stanton and Livingston streets.

No. 4. East side of Fourth avenue, between Fifty-fourth and Fifty-fifth streets.

No. 5. West side of St. Ann's avenue, between Westchester avenue and One Hundred and Fifty-sixth street, known as the "Benjamin Cemetery."

No. 6. Both sides of One Hundred and Sixth street, between Boulevard and Summit east.

No. 7. East side of St. Ann's avenue and North Third avenue, from One Hundred and Sixty-first or Clifton street to One Hundred and Sixty-third street.

No. 8. Both sides of Ninety-seventh street, between Boulevard and R. verside avenue.

No. 9. Both sides of Forsyth street, between Stanton and Houston streets.

No. 10. Both sides of One Hundred and Fourteenth street, between Fourth and Sixth avenues.

No. 11. Both sides of One Hundred and Sixth street, between Ninth avenue and Boulevard.

No. 12. Both sides of Hudson street, between Grove and Christopher streets.

No. 13. West side of Seventh avenue, extending 100 feet north from One Hundred and Twenty-sixth street, and north side of One Hundred and Twenty-sixth street, extending 125 feet west of Seventh avenue.

No. 14. South side of Eighty-third street, between First and Second avenues.

No. 15. North side of Fifty-seventh street, commencing 100 feet east of Broadway and running east about 150 feet.

No. 16. Northeast corner of One Hundred and Twenty-seventh street and Fourth avenue.

No. 17. East side of Lexington avenue, between One Hundred and Twenty-second and One Hundred and Twenty-third streets.

No. 18. Both sides of Thirtieth street, between Sixth and Seventh avenues.

All persons whose interests are affected by the above-named assessments, and who are opposed to the same, or either of them, are requested to present their objections in writing to the Chairman of the Board of Assessors, at their office, No. 11½ City Hall, within thirty days from the date of this notice.

The above-described lists will be transmitted, as provided by law, to the Board of Revision and Correction of Assessments for confirmation, on the 25th day of April, 1887.

EDWARD GILON, Chairman,  
PATRICK M. HAVERTY,  
CHAS. E. WENDT,  
VAN BRUGH LIVINGSTON,  
Board of Assessors.

OFFICE OF THE BOARD OF ASSESSORS,  
No. 11½ CITY HALL,  
NEW YORK, March 23, 1887.

**DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.**

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, April 11, 1887.

**IN ACCORDANCE WITH AN ORDINANCE OF** the Common Council, "In relation to the burial of strangers or unknown persons who may die in any of the public institutions of the City of New York," the Commissioners of Public Charities and Correction report as follows:

At Workhouse, Blackwell's Island—John Leas, aged 54 years. Committed November 12, 1886.

At Lunatic Asylum, Blackwell's Island—Jane Doe, aged 30 years; 5 feet 1 inch high; brown hair, blue eyes. Had on when admitted Corporation clothing; transferred from Workhouse.

Caroline Ranshaw, aged 89 years; 5 feet 4½ inches high; gray hair, brown eyes. Had on when admitted black straw hat, black and white plaid shawl, blue dress, white flannel petticoat, buttoned shoes.

Regina Kolobosch or Kolobosch, aged 70 years; 5 feet 2½ inches high; gray hair, brown eyes. Transferred from Almshouse, and had on Corporation clothing.

At Homoeopathic Hospital, Ward's Island—Edward French, aged 60 years; 5 feet 6 inches high; brown eyes, gray hair. Had on when admitted black coat, blue flannel vest, striped pants, laced shoes, black derby hat. Nothing known of their friends or relatives.

By order, G. F. BRITTON,  
Secretary.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, April 11, 1887.

**TO CONTRACTORS.**

**PROPOSALS FOR GROCERIES, DRY GOODS, HARDWARE, IRON AND TIN, LUMBER, ETC.**

**SEALED BIDS OR ESTIMATES FOR FURNISHING** GROCERIES.

8,100 pounds Dairy Butter, sample on exhibition Thursday, April 21, 1887.  
1,000 pounds Cheese.  
1,000 pounds Dried Apples.  
10,000 pounds Rio Coffee, roasted.  
3,000 pounds Wheaten Grits, price to include packing.

10,000 pounds Hominny, price to include packages.  
10,000 pounds Rice.  
1,000 pounds Corn Starch.  
500 pounds Macaroni.  
200 bushels Rye.  
50 bushels Turk's Island Rock Salt.  
25 barrels Pickles, 40-gallon barrels, 5,000 per barrel.

25 barrels Vinegar.  
500 pounds Whole Pepper.  
2 cases Sardines, "halves."  
40 dozen Canned Lima Beans.

40 dozen Sea Foam.  
20 dozen Tissue, ground.  
3,100 dozen Fresh Eggs, all to be candled.  
500 bushels good Irish Potatoes, to weigh 168 pounds net per barrel.

50 barrels prime Red Onions, 150 pounds net per barrel.  
100 barrels prime Carrots, 130 pounds net per barrel.  
100 barrels prime Russia Turnips, 135 pounds net per barrel.

1,000 bushels Oats, 32 pounds net per barrel.  
100 bags Coarse Meal, 100 pounds net each.

**DRY GOODS**  
1,000 yards White Flannel.  
10,000 yards Ticking.  
5,000 yards Cotton Jeans.  
25,000 yards Flange Muslin.  
1,000 pounds Knitting Cotton.

40 gross Knitting Needles.  
144 dozen White Spool Cotton, No. 36.  
200 White Spreads.

**HARDWARE, ETC.**  
6 dozen each Taper Saw Files, 4 in. and 6 in.  
10 dozen Glass Cutters.  
1 dozen Molasses Gates.  
1 dozen Butcher's Steels.

100 quires Sand Paper, 5 No. 0, 10 each Nos. ½, 2, and 3, and 25 each Nos. 1 and 2½.  
5 dozen Sewing All Hairs.  
200 pounds Coarse Twine.

**IRON AND TIN.**  
25 stones first quality Tinned Broom Wire, No. 18.  
25 bars first quality Cast Steel, ¾ in. square.  
25 bars first quality Cast Steel, ¾ in. octagon.  
5 boxes first quality Roofing Tin, 14 x 20.  
5 boxes first quality Charcoal Tin, 14 x 20.  
4 boxes first quality Charcoal Tin, 14 x 20.  
1 box first quality Charcoal Tin, 14 x 20.  
1 box first quality I. C. Roofing Tin, 14 x 20.

**LUMBER.**  
5,000 feet first quality extra clear White Pine, 1½ in. x 12 to 16 in. wide x 12 to 16 feet long, dressed one side.  
5,000 feet first quality extra clear White Pine, 1½ in. x 12 to 16 in. wide x 12 to 16 feet long, dressed one side.

**LIME AND CEMENT.**  
70 barrels first quality Portland Cement.  
20 barrels first quality R. sealite Cement.  
50 barrels first quality W. W. Lime.

—will be received at the Department of Public Charities and Correction, in the City of New York, until 9:30 o'clock A. M., on Friday, April 22, 1887. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Groceries, Dry Goods, Hardware, Iron, Tin, Lumber, and other articles of the kind named, to the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the President of said Department and read.

THE BOARD OF PUBLIC CHARITIES AND CORRECTION RESERVES THE RIGHT TO REJECT ALL BIDS OR ESTIMATES IF DEEMED TO BE FOR THE PUBLIC INTEREST, AS PROVIDED IN SECTION 64, CHAPTER 410, LAWS OF 1882.

No bid or estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

The award of the contract will be made as soon as practicable after the opening of the bids.

Delivery will be required to be made from time to time, and in such quantities as may be directed by the said Commissioners.

Any bidder or contractor must be known to be engaged in, and well prepared for the business, and must have satisfactory testimonials to that effect; and the person or persons to whom the contract may be awarded will be required to give security for the performance of the contract by the bond, with two good and sufficient sureties, each in the penal amount of fifty (50) per cent. of the ESTIMATED amount of the contract.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same; the names of all persons interested with him or them therein; and if no other person be so interested, it shall distinctly state that fact; also that it is made without any connection with any other person making an estimate for the same, and is not a response to any advertisement, collusion or fraud; and that no member of the Common Council, Head of a Department, Chief of a Bureau, Deputy thereof, or Clerk thereof, or other officer of the Corporation, is directly or indirectly interested therein, or in the supply or work to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate, that the several matters stated therein are all true and correct, and that no person is so interested, it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, to whom, respectively, places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for its faithful performance; and that if he shall omit or refuse to execute the same, they shall pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation is obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting.

The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise; and that he has offered himself as a surety in good faith, and with the intention to execute the bond required by section 7 of chapter 7 of the Revised Ordinances of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety.

No bid or estimate will be considered unless accompanied by either a certified check upon one of the State or National Banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be enclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the Estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer.

Such order of the Comptroller, or money, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time and on the terms, the amount of his deposit will be returned to him.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to him or their bid or proposal, or if he or they accept, but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it, or as in default to the Corporation.

tion; and the contract will be readvertised and relet as provided by law.

The quality of the articles, supplies, goods, wares, and merchandise must conform in every respect to the same as the same on exhibition at the office of the said Department. Bidders are cautioned to examine the specifications for particulars of the articles, etc., required, before making their estimates.

Bidders will state the price for each article, by which the bids will be tested.

Bidders will write out the amount of their estimate in addition to inserting the same in figures.

Payment will be made by a requisition on the Comptroller, in accordance with the terms of the contract, from time to time, as the Commissioners may determine.

Bidders are informed that no deviation from the specifications will be allowed, unless under the written instruction of the Commissioners of Public Charities and Correction.

No bid or estimate will be accepted from, or a contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

The form of the agreement, including specifications, and showing the manner of payment, can be obtained at the office of the Department.

Dated NEW YORK, April 11, 1887.  
HENRY H. PORTER, President,  
THOMAS S. BRENNAN, Commissioner,  
CHARLES E. SIMMONS, Commissioner,  
Public Charities and Correction.

**DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.**  
No. 66 THIRD AVENUE,  
NEW YORK, April 5, 1887.

**IN ACCORDANCE WITH AN ORDINANCE OF** the Common Council, "In relation to the burial of strangers or unknown persons who may die in any of the public institutions of the City of New York," the Commissioners of Public Charities and Correction report as follows:

At Morgue, Bellevue Hospital—From One Hundred and Twenty-seventh street and Harlem river; unknown woman; aged about 50 years; 5 feet 2 inches high; dark brown hair, tinged with gray; blue eyes. Had on black waist and dress, calico flowered waist, black satin undershirt; black flowered undershirt, brown quilted petticoat, white muslin drawers, cotton socks, gaiters.

Unknown man from Twenty-ninth street and East river; aged about 30 years; 5 feet 8 inches high; dark brown hair and moustache. Had on dark brown pants, white shirt, red woolen socks, gaiters.

Unknown man from Pier 55 East river; jumped from ferry-boat "Warren"; aged about 55 years; 5 feet 8 inches high; gray hair and chin beard; small moustache. Had on brown plaid sack coat, dark vest, black cardigan jacket, brown jean pants, blue flannel shirt, red flannel shirt and drawers, red woolen socks, gaiters. Card of Philip Prout, mason and builder, No. 85 avenue A, found on his person.

At Workhouse, Blackwell's Island—Annie Fitzpatrick; aged 50 years. Committed January 2, 1887, for 1 month.

Annie Tyler, aged 42 years. Committed November 23, 1886, for 6 months.

At Homeopathic Hospital, Ward's Island—Ann Robinson, aged 6 years; 5 feet 2 inches high; blue eyes; brown hair. Had on when admitted gray flannel sack, brown alpaca skirt, gray petticoat, slippers, black woolen hood.

At Branch Lunatic Asylum, Hart's Island—Johanna Ego, aged 53 years; 5 feet 7 inches high; brown hair; gray eyes.

Ella Johnson, alias Campbell; aged 53 years; 5 feet ¾ inch high; gray hair and eyes.

Mary Haverly; aged 73 years; 5 feet high; brown hair; hazel eyes.

Rose McGonigle; aged 47 years; 5 feet 3 inches high; brown hair; gray eyes.

Nothing known of their friends or relatives.

By order, G. F. BRITTON,  
Secretary.

**AQUEDUCT COMMISSION.**  
AQUEDUCT COMMISSIONERS' OFFICE,  
Room 209, STEWART BUILDING, No. 230 Broadway,  
NEW YORK, April 5, 1887.

**TO CONTRACTORS.**

**BIDS OR PROPOSALS FOR DOING THE** work and furnishing the materials and labor for the approved form of contract now on file in the office of the Aqueduct Commissioners for the construction of Additional Shaft No. 13½, situated on Section 7 of the New Croton Aqueduct, at about Station 79255, will be received at this office until 12 o'clock A. M., on Friday, April 22, 1887, at which place and hour they will be publicly opened by the Aqueduct Commissioners, and the award of the contract for doing said work and furnishing materials will be made by said Commissioners as soon thereafter as practicable.

Blank forms of said approved contract and the specifications thereof, and the bids or proposals, and proper envelopes for their enclosure, and forms of bonds; and the report of the Commissioners appointing the Aqueduct Commissioners, can be obtained at the above office of the Aqueduct Commissioners, on application to the Secretary.

By order of the Aqueduct Commissioners,  
JAMES C. SPENCER,  
President.

JOHN C. SHEPARD,  
Secretary.

**FINANCE DEPARTMENT.**

**NOTICE OF CONFIRMATION OF REPORT** IN THE MATTER OF THE HARLEM RIVER AND SPUTEN DUYVIL CREEK IMPROVEMENT AND REQUIRING PAYMENT OF ASSESSMENTS THEREIN LAID.

**PUBLIC NOTICE IS HEREBY GIVEN BY THE** Comptroller of the City of New York, pursuant to section 2 of chapter 214 of the Laws of 1883, amending previous statutes of the confirmation on July 9, 1886, of the report of the Commissioners appointing the Aqueduct Commissioners for the improvement of the Harlem river and Sputen Duyvil creek, from the North river to the East river, through the Harlem Kills. And appeals having been taken to the General Term of the Supreme Court from the order of confirmation entered at a Special Term on the 10th day of July, 1886, and bearing date the said 10th day of July, 1886, it was ordered that said appeals be and the same were dismissed on the 17th day of February, 1887, a copy of which said order of the General Term, dismissing said appeals was filed in the office of the said Comptroller on the 19th day of February, 1887, and approved by the Counsel to the Corporation on the 14th day of March, 1887.

An abstract of the assessments in said matter was filed in the office of said Comptroller on the 10th day of March, 1887, and entered in the "Record of Titles of Assessments," kept in the "Bureau of the Clerk of Assessors," in the City of New York, pursuant to section 915 of the New York City Consolidation Act of 1882, on the 21st day of March, 1887.

In pursuance of the provisions of said section 2 of chapter 214 of the Laws of 1883, further notice is hereby given that the assessments for the improvement of the Harlem river and Sputen Duyvil creek, as provided in said Act, are to be paid in the office of the said Comptroller to the Collector of Assessments and Clerk of Assessors within thirty days from the said 21st day of March, 1887.



1887, without interest, and if the same are not paid within ninety days thereafter the proceedings provided for by the said act will be taken for the enforcement and collection of the same, the provision of said statute being as follows:

"And if not paid within thirty days thereafter interest at the rate of eight per centum per annum shall accrue and be paid upon the same until the same are paid, and as to all such assessments as shall not be paid within ninety days from the time said report of assessment is confirmed or the time when said abstract of assessments was entered in the Record of Assessments, kept in the 'Bureau of the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents,' on or before March 1, 1887, the said Comptroller is hereby authorized and directed immediately upon the expiration of said ninety days to issue his warrant for the collection of unpaid assessments, and to cause the same to be levied by the said Comptroller and directed to the Sheriff of the city and County of New York. \* \* \* Said warrant shall command the Sheriff to collect from the persons and parties named in said warrant the sum or sums due from them respectively, with interest at the rate of eight per centum per annum from and after the expiration of thirty days from the date of the confirmation of said report of assessments (or the said 1st day of March, 1887), pursuant to the provisions and under the authority of this act."

EDWARD V. LOEW,  
Comptroller.

CITY OF NEW YORK, FINANCE DEPARTMENT,  
COMPTROLLER'S OFFICE, March 26, 1887.

CITY OF NEW YORK,  
FINANCE DEPARTMENT,  
COMPTROLLER'S OFFICE,  
April 4, 1887.

#### NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 916 OF THE "New York City Consolidation Act of 1882," the Comptroller of the City of New York hereby gives public notice to all persons, owners of property affected by the following assessment lists, viz:

Madison avenue regulating, grading, curbing and flagging, from One Hundred and Thirty-fifth to One Hundred and Thirty-seventh street.

Sixty-fourth street regulating, grading, curbing and flagging, from First avenue to East River.

Ninety-first street regulating, grading, curbing and flagging, from Third to Fourth avenue.

Ninety-fourth street regulating, grading, curbing and flagging, from Second to Third avenue.

One Hundred and Third street regulating, grading, curbing and flagging, between Ninth and Tenth avenues.

One Hundred and Twelfth street regulating, grading, curbing and flagging, from Seventh to Eighth avenue.

One Hundred and Forty-first street regulating, grading, setting curb and gutter stones, flagging and laying crosswalks, between North Third and Rider avenues.

One Hundred and Forty-second street regulating, grading, setting curb and gutter stones, flagging and laying crosswalks, between North Third and Rider avenues.

One Hundred and Fifty-first street, regulating, grading and setting curb-stones, from Avenue St. Nicholas to the Boulevard.

One Hundred and Fifty-seventh street regulating, grading, setting curb-stones and flagging, from Tenth avenue to the Boulevard.

Washington avenue crosswalks, at intersections of East One Hundred and Sixty-sixth, One Hundred and Sixty-eighth, One Hundred and Sixty-ninth, One Hundred and Seventy-second, One Hundred and Seventy-third, One Hundred and Seventy-fourth and Seventy-fifth streets.

Willis avenue crosswalks, between Southern Boulevard and North Third street.

Eighty-fifth street sewer, between Ninth and Tenth avenues.

One Hundred and Forty-ninth street sewer, between Brook and Robbins avenues.

—which were confirmed by the Board of Revision and Collection of Assessments on March 23, 1887 and entered on the same date, in the Record of Titles of Assessments, kept in the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," that unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon as provided in section 917 of said "New York City Consolidation Act of 1882."

Section 917 of the above-entitled matter. "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect the same to cause the same to be levied by the said Comptroller and directed to the Sheriff of the city and County of New York, at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment."

The above assessments are payable to the Collector of Assessments and Clerk of Arrears at the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," between the hours of 9 a. m. and 5 p. m., on or before June 30, 1887, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum, to be calculated from the date of said entry of Assessments in said Bureau to the date of payment.

EDWARD V. LOEW,  
Comptroller.

VAN TASSELL & KEARNEY, AUCTIONEERS.

#### SALE OF REAL ESTATE BELONGING TO THE CORPORATION OF THE CITY OF NEW YORK, AT PUBLIC AUCTION.

PUBLIC NOTICE IS HEREBY GIVEN THAT the Commissioners of the Sinking Fund of the City of New York, by virtue of the powers vested in them by law, will offer for sale at public auction, on Thursday, the 5th day of May, 1887, at noon, at the Real Estate Auction Room, in the City of New York, at the corner of Liberty street, certain lots, pieces and parcels of improved and unimproved real estate belonging to the Mayor, Aldermen and Commonalty of the City of New York, designated as follows, to wit:

##### TWELFTH WARD.

THE OLD CROTON AQUEDUCT, BETWEEN NINTH AND TENTH AVENUES.

##### PARCEL No. 1.

Southwest corner Eighty-eighth street and Ninth avenue, Block No. 101, Ward No. 12, 35 1/2 x 65 1/2, 24 feet 12 inches on Eighty-eighth street, and 43 feet 9 inches on Ninth avenue. Single lot, No. 1, Sales Map. Triangle.

Ninety-third and Ninety-fourth streets, Block No. 102, Ward No. 12, 100 feet on Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 2, 3, 4, 5, Sales Map. To be sold separately.

Ninety-fourth and Ninety-fifth streets, Block No. 102, Ward No. 12, 100 feet on Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 6, 7, 8, 9, Sales Map. To be sold separately.

Ninety-fifth and Ninety-sixth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 10, 11, 12, 13, Sales Map. To be sold separately.

Ninety-ninth and Ninety-tenth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 14, 15, 16, 17, Sales Map. To be sold separately.

Ninety-ninth and One Hundredth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 18, 19, 20, 21, Sales Map. To be sold separately.

One Hundredth and One Hundred and First streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 22, 23, 24, 25, Sales Map. To be sold separately.

avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 22, 23, 24, 25, Sales Map. To be sold separately.

One Hundred and First and One Hundred and Second streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 26, 27, 28, 29, Sales Map. To be sold separately.

One Hundred and Second and One Hundred and Third streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 30, 31, 32, 33, Sales Map. To be sold separately.

One Hundred and Third and One Hundred and Fourth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 34, 35, 36, 37, Sales Map. To be sold separately.

One Hundred and Fourth and One Hundred and Fifth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 38, 39, 40, 41, Sales Map. To be sold separately.

One Hundred and Fifth and One Hundred and Sixth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 42, 43, 44, 45, Sales Map. To be sold separately.

One Hundred and Sixth and One Hundred and Seventh streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 46, 47, 48, 49, Sales Map. To be sold separately.

One Hundred and Seventh and One Hundred and Eighth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 50, 51, 52, 53, Sales Map. To be sold separately.

One Hundred and Eighth and One Hundred and Ninth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 54, 55, 56, 57, Sales Map. To be sold separately.

One Hundred and Ninth and One Hundred and Tenth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 58, 59, 60, 61, Sales Map. To be sold separately.

One Hundred and Tenth and One Hundred and Eleventh streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 62, 63, 64, 65, Sales Map. To be sold separately.

One Hundred and Eleventh and One Hundred and Twelfth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 66, 67, 68, 69, Sales Map. To be sold separately.

One Hundred and Twelfth and One Hundred and Thirteenth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 70, 71, 72, 73, Sales Map. To be sold separately.

One Hundred and Thirteenth and One Hundred and Fourteenth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 74, 75, 76, 77, Sales Map. To be sold separately.

One Hundred and Fourteenth and One Hundred and Fifteenth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 78, 79, 80, 81, Sales Map. To be sold separately.

One Hundred and Fifteenth and One Hundred and Sixteenth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 82, 83, 84, 85, Sales Map. To be sold separately.

One Hundred and Sixteenth and One Hundred and Seventeenth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 86, 87, 88, 89, Sales Map. To be sold separately.

One Hundred and Seventeenth and One Hundred and Eighteenth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 90, 91, 92, 93, Sales Map. To be sold separately.

One Hundred and Eighteenth and One Hundred and Nineteenth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 94, 95, 96, 97, Sales Map. To be sold separately.

One Hundred and Nineteenth and One Hundred and Twentieth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 98, 99, 100, 101, Sales Map. To be sold separately.

One Hundred and Twentieth and One Hundred and Twenty-first streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 102, 103, 104, 105, Sales Map. To be sold separately.

One Hundred and Twenty-first and One Hundred and Twenty-second streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 106, 107, 108, 109, Sales Map. To be sold separately.

One Hundred and Twenty-second and One Hundred and Twenty-third streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 110, 111, 112, 113, Sales Map. To be sold separately.

One Hundred and Twenty-third and One Hundred and Twenty-fourth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 114, 115, 116, 117, Sales Map. To be sold separately.

One Hundred and Twenty-fourth and One Hundred and Twenty-fifth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 118, 119, 120, 121, Sales Map. To be sold separately.

One Hundred and Twenty-fifth and One Hundred and Twenty-sixth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 122, 123, 124, 125, Sales Map. To be sold separately.

One Hundred and Twenty-sixth and One Hundred and Twenty-seventh streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 126, 127, 128, 129, Sales Map. To be sold separately.

One Hundred and Twenty-seventh and One Hundred and Twenty-eighth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 130, 131, 132, 133, Sales Map. To be sold separately.

One Hundred and Twenty-eighth and One Hundred and Twenty-ninth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 134, 135, 136, 137, Sales Map. To be sold separately.

One Hundred and Twenty-ninth and One Hundred and Thirtieth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 138, 139, 140, 141, Sales Map. To be sold separately.

One Hundred and Thirtieth and One Hundred and Thirty-first streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 142, 143, 144, 145, Sales Map. To be sold separately.

One Hundred and Thirty-first and One Hundred and Thirty-second streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 146, 147, 148, 149, Sales Map. To be sold separately.

One Hundred and Thirty-second and One Hundred and Thirty-third streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 150, 151, 152, 153, Sales Map. To be sold separately.

One Hundred and Thirty-third and One Hundred and Thirty-fourth streets, Block No. 102, Ward No. 12, 100 feet west of Ninth avenue, 50 feet by 201 feet 5 inches. Divided into four lots, Nos. 154, 155, 156, 157, Sales Map. To be sold separately.

CITY OF NEW YORK,  
FINANCE DEPARTMENT,  
COMPTROLLER'S OFFICE,  
March 14, 1887.

#### NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 997 OF THE "New York City Consolidation Act of 1882," the Comptroller of the City of New York hereby gives public notice to all persons, owners of property affected by the assessment list for the opening of Bailey avenue, between Sedgwick and Boston avenues, in the Twenty-fifth Ward, bounded by the City of New York, in the County of New York, and entered on the 10th day of March, 1887, in the Record of Titles of Assessments, kept in the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," that unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon as provided in section 998 of said "New York City Consolidation Act of 1882."

Section 998 of the said act provides that, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect, and receive interest thereon at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment."

The above assessment is payable to the Collector of Assessments and Clerk of Arrears, at the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," between the hours of 9 a. m. and 5 p. m., on or before May 30, 1887, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum, to be calculated from the date of said entry of Assessments in said Bureau to the date of payment.

EDWARD V. LOEW,  
Comptroller.

#### SUPREME COURT.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to the opening of a new street, to be called FIFTH STREET, from Tenth avenue to Avenue St. Nicholas, in the Twelfth Ward of the City of New York.

NOTICE IS HEREBY GIVEN THAT THE BILL of the costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court, at the Chambers thereof, in the County Court-house, at the City Hall, in the City of New York, on the twelfth day of April, 1887, at 10 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Department of Public Works, there to remain for and during the space of ten days.

Dated New York, April 4, 1887.  
GEORGE F. LANGBEIN,  
DAVID G. YUENGLING, JR.,  
EUGENE S. IVES,  
Commissioners.

CARROLL BERRY, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to that part of a certain street or avenue known as the AVENUE of the Mott Haven Canal, extending from the southerly line of East One Hundred and Thirty-sixth street to the southerly line of East One Hundred and Forty-fourth street, in the Twelfth Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

WE, THE UNDERSIGNED COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to the owner or owners, occupant or occupants, of all houses and lots and improved or unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our estimate and assessment, and that all persons interested in these proceedings, or in any of the lands affected thereby, and who may be opposed to the same, do present their objections in writing, duly verified to us at our office, No. 73 William street (third floor), in the said city, on or before the seventh day of May, 1887, and that we, the said Commissioners, will hear parties so objecting within the ten working days next after the said seventh day of May, 1887, and for that purpose will be in attendance at our said office on each of said ten days at three o'clock p. m.

Second—That the abstract of the said estimate and assessment, together with our maps, and also all the affidavits, estimates and other documents which were used by us in making our report, have been deposited in the office of the Department of Public Works, in the City of New York, there to remain until the seventh day of May, 1887.

Third—That the limits embraced by the assessment aforesaid are as follows, to wit: all those lots, pieces or parcels of land, situated, lying and being in the City of New York, which are bounded together and described as follows, viz: Northerly by the southerly line of East One Hundred and Forty-fourth street, and by a line parallel or nearly so with the northerly line of East One Hundred and Forty-fourth street, and extending from the southerly line of the Mott Haven Canal, westerly for about ninety feet to the northerly termination of the Mott Haven Canal and a line in continuation thereof at right angles with the westerly side of the same and extending to the southerly line of the block between Rider avenue and Third avenue; and by the center line of the blocks between Rider avenue and Morris avenue; southerly by the southerly line of East One Hundred and Thirty-sixth street, and the prolongation thereof to the westerly line of the block between the Mott Haven Canal, by a line parallel with the southerly line of East One Hundred and Thirty-sixth street, and distant about one hundred feet southerly therefrom, and extending from the southerly line of the Mott Haven Canal, westerly for about ninety feet to the northerly termination of the Mott Haven Canal and a line in continuation thereof at right angles with the westerly side of the same and extending to the southerly line of the block between Rider avenue and Third avenue; 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assessment, and that all persons interested in these proceedings, or in any of the lands affected thereby, and who may be opposed to the same, do present their objections in writing, duly verified, to us at our office, No. 73 William street, (third floor), in the said city, on or before the fifth day of May 1887, and that we, the said Commissioners, will hear parties so objecting within the ten week-days next after the said fifth day of May, 1887, and for that purpose will be in attendance at our said office on each of said ten days at 3 o'clock p. m.

Second.—That the abstract of the said estimate and assessment, together with our maps, and also all the affidavits, estimates and other documents which were used by us in making our report, have been deposited in the office of the Department of Public Works, in the City of New York, there to remain until the fifth day of May, 1887.

Third.—That the limits embraced by the assessment aforesaid are as follows, to wit: All those lots, pieces or parcels of land, situate, lying and being in the City of New York, which taken together, are bounded and described as follows, viz: northerly by the centre line of the block between Pellam avenue and Welch street; easterly by the western side of Third avenue, and the westerly side of Vanderbilt avenue, East; southerly by the centre line of the block between East One Hundred and Eighty-seventh street and Welch street, and westerly by the easterly side of Van Nostrand street, West; excepting from said area all the streets and avenues heretofore opened and all the unimproved land included within the lines of streets, avenues, roads, public squares or places shown and laid out upon any map or maps filed by the Commissioners of the Department of Public Works, pursuant to the provisions of chapter six hundred and four of the Laws of eighteen hundred and seventy-four and the laws amendatory thereof; or of chapter four hundred and four of the Laws of eighteen hundred and eighty-two, as such area is shown upon our benefit map, deposited as aforesaid.

Fourth.—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house, at the City Hall, in the City of New York, on the twentieth day of May, 1887, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, March 18, 1887.  
JAMES M. LYDDY,  
WILLIAM H. BARKER,  
JOHN T. BOYD,  
Commissioners.

CARROLL BERRY, Clerk.

In the matter of the application of the Commissioners of the Department of Public Parks, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title to that certain street or avenue called RAILROAD AVENUE, east from the Harlem river to One Hundred and Sixty-first street, in the Twenty-third Ward of the City of New York.

WE, THE UNDERSIGNED COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to the owner or owners, occupant or occupants, of all houses and lots and improved or unimproved lands situate, lying and being in the City of New York, that we, the said Commissioners, will hear parties so objecting within the ten week-days next after the said eighth day of April, 1887, and for that purpose will be in attendance at our said office on each of said ten days at 3 o'clock p. m.

Second.—That the abstract of the said estimate and assessment, together with our maps, and also all the affidavits, estimates and other documents which were used by us in making our report, have been deposited in the office of the Department of Public Works, in the City of New York, there to remain until the eighth day of April, 1887.

Third.—That the limits embraced by the assessment aforesaid are as follows, to wit: All those lots, pieces or parcels of land situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz: Westerly by a line parallel or nearly so with and distant about four hundred feet westerly from the westerly side of Railroad avenue, and southerly by the easterly side of One Hundred and Sixty-first street; easterly by a line parallel or nearly so with and distant about seven hundred feet easterly from the easterly side of Railroad avenue East as widened, extending from the easterly side of the Harlem river to the easterly side of the bulkhead-line in the Harlem river; and southerly by an irregular line extending westerly from a point where the westerly side of Morris avenue is extended would intersect the centre of One Hundred and Forty-third street to the head of the Mott Haven Canal at the western side thereof and by the bulkhead-line in the Harlem river; excepting from said area all the streets and avenues heretofore opened and all the unimproved land included within the lines of streets, avenues, roads, public squares or places shown and laid out upon any map or maps filed by the Commissioners of the Department of Public Parks, pursuant to the provisions of chapter 604 of the Laws of 1874, and the laws amendatory thereof, or of chapter 470 of the Laws of 1884, as such area is shown upon our benefit map deposited as aforesaid.

Fourth.—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house, at the City Hall, in the City of New York, on the sixth day of May 1887, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, March 4, 1887.  
H. M. WHITEHEAD,  
JOHN WHALEN,  
ROBERT A. VAN WYCK,  
Commissioners.

CARROLL BERRY, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title to all that certain plot or gore of land in the Twenty-second Ward in the City of New York, bounded northerly by Seventy-third street, easterly by Tenth avenue, southerly by the easterly side of the Broadway Boulevard, for a public place, as laid out under and in pursuance of chapter 451 of the Laws of 1884.

WE, THE UNDERSIGNED COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to the owner or owners, occupant or occupants, of all houses and lots and improved or unimproved lands situate, lying and being in the City of New York, that we, the said Commissioners, will hear parties so objecting within the ten week-days next after the said twelfth day of April, 1887, and for that purpose will be in attendance at our said office on each of said ten days at 3 o'clock p. m.

Second.—That the abstract of the said estimate and assessment, together with our maps, and also all the affidavits, estimates and other documents which were used by us in making our report, have been deposited in the office of the Department of Public Works, in the City of New York, there to remain until the twelfth day of April, 1887.

ment of Public Works, in the City of New York, there to remain until the twelfth day of April, 1887.

Third.—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house, at the City Hall, in the City of New York, on the twentieth day of May, 1887, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, February 19, 1887.  
EDWARD L. PARRIS,  
GEORGE CAULFIELD,  
Commissioners.

CARROLL BERRY, Clerk.

### JURORS.

### NOTICE

### IN RELATION TO JURORS FOR STATE COURTS.

OFFICE OF THE COMMISSIONER OF JURORS,  
ROOM 127, STEWART BUILDING,  
CHAMBERS STREET AND BROADWAY,  
NEW YORK, June 1, 1886.

APPLICATIONS FOR EXEMPTIONS WILL BE heard here, from 10 to 3 daily, from all persons heretofore liable or recently serving who have been exempted, and all needed information will be given. Those who have not answered as to their liability, or proved permanent exemption, will receive a "jury enrollment notice," requiring them to appear for jury duty on this day. Whether liable or not, such notices must be answered in person, if possible, and at this office only under severe penalties. If exempt, the party must bring proof of exemption; if liable, he must also answer in person, giving full and correct name, residence, etc. No attention paid to letters.

Persons "enrolled" as liable must serve when called or pay their fines. No more excuse will be allowed or interference permitted as to the service of jurors, except as judgments upon the property of the delinquents. All good citizens will aid the course of justice, and secure reliable and respectable juries, and equalize their duty by serving promptly when summoned, allowing their clerks or substitutes to report to me any attempt at bribery or evasion, and suggesting names for enrollment. Persons between sixty and seventy years of age, summer absentees, persons temporarily ill, and United States and District Court jurors are not exempt. Every man must attend to his own notice. It is a misdemeanor to give any jury paper to another to answer. It is also punishable by fine or imprisonment to give or receive any present or bribe, directly or indirectly, in relation to a jury service, or to withhold any paper or make any false statement, and every case will be fully prosecuted.

CHARLES REILLY,  
Commissioner of Jurors.

### DEPARTMENT OF PUBLIC WORKS.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
ROOM 6, NO. 31 CHAMBERS STREET,  
NEW YORK, April 18, 1887.

### TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A SEALED envelope, with the title of the work and the name of the bidder indorsed thereon, also the number of the work as in the advertisement, will be received at this office until 10 o'clock p. m., Monday, May 2, 1887, at which place and hour they will be publicly opened by the head of the Department.

1. FOR REGULATING AND PAVING, WITH TRAP-BLOCK PAVEMENT, THE CARRIAGEWAY OF PITT STREET, from Stanton to Houston street.
2. FOR REGULATING AND PAVING, WITH GRANITE-BLOCK PAVEMENT, THE CARRIAGEWAY OF WOOSTER STREET, from Canal to Bleeker street.
3. FOR REGULATING AND PAVING, WITH TRAP-BLOCK PAVEMENT, THE CARRIAGEWAY OF BANK STREET, from Hudson to Washington street; RENWICK STREET, from Canal to Spring street; and CONGRESS STREET, from King to Houston street.
4. FOR REGULATING AND PAVING, WITH GRANITE-BLOCK PAVEMENT, THE CARRIAGEWAY OF TWENTIETH STREET, from Ninth to Tenth avenue, and THIRTY-FIRST STREET, from Ninth to Tenth avenue.
5. FOR REGULATING AND PAVING, WITH GRANITE-BLOCK PAVEMENT, THE CARRIAGEWAY OF THIRTY-EIGHTH STREET, from Eighth to Tenth avenue.
6. FOR REGULATING AND PAVING, WITH GRANITE-BLOCK PAVEMENT, THE CARRIAGEWAY OF TENTH AVENUE, from Sixty-fourth to Seventy-first street.

Each estimate must contain the name and place of residence of the person making the same, the names of all persons interested with him therein, and if no other person be so interested, it shall distinctly state that fact. That it is made without any connection with any other person making an estimate for the same work, and is in all respects fair and without collusion or fraud. That no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested in the estimate or in the work to which it relates or in the profits thereon.

Each estimate must be verified by the oath, in writing, of the party making the same, that the several matters therein stated are true, and must be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, to the effect that if the contract is awarded to the person making the estimate, they will, upon its being so awarded, become bound as his sureties for its faithful performance; and that if he shall refuse or neglect to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion, and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting; the amount to be calculated upon the estimated amount of the work by which the bids are tested.

The consent last above mentioned must be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise, with the intention to execute the bond required by law. No estimate will be considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the Estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said

officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of the deposit will be returned to him.

THE COMMISSIONER OF PUBLIC WORKS RESERVES THE RIGHT TO REJECT ALL BIDS RECEIVED FOR ANY PARTICULAR WORK IF HE DEEMS IT FOR THE BEST INTERESTS OF THE CITY.

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained at Room 1, No. 31 Chambers street.

JOHN NEWTON,  
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
ROOM 6, NO. 31 CHAMBERS STREET,  
NEW YORK, April 18, 1887.

### TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A SEALED envelope, with the title of the work and the name of the bidder indorsed thereon, also the number of the work as in the advertisement, will be received at this office until 10 o'clock p. m., Monday, May 2, 1887, at which place and hour they will be publicly opened by the head of the Department and read.

1. SEWER IN SEVENTY-FOURTH STREET, between Eighth and Ninth avenues.
2. SEWER IN FORTY-SEVENTH STREET, East Side, between One Hundred and Sixteenth and One Hundred and Seventeenth streets.
3. SEWER IN SEVENTY-SIXTH STREET, between West End and Riverside avenues, commencing with sewer in Riverside avenue.

Each estimate must contain the name and place of residence of the person making the same, the names of all persons interested with him therein, and if no other person be so interested, it shall distinctly state that fact. That it is made without any connection with any other person making an estimate for the same work, and is in all respects fair and without collusion or fraud. That no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested in the estimate or in the work to which it relates or in the profits thereon.

Each estimate must be verified by the oath, in writing, of the party making the same, that the several matters therein stated are true, and must be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, to the effect that if the contract is awarded to the person making the estimate, they will, upon its being so awarded, become bound as his sureties for its faithful performance; and that if he shall refuse or neglect to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion, and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting; the amount to be calculated upon the estimated amount of the work by which the bids are tested.

The consent last above mentioned must be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, or otherwise, and that he has offered himself as surety in good faith, with the intention to execute the bond required by law.

No estimate will be considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the Estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of the deposit will be returned to him.

THE COMMISSIONER OF PUBLIC WORKS RESERVES THE RIGHT TO REJECT ALL BIDS RECEIVED FOR ANY PARTICULAR WORK IF HE DEEMS IT FOR THE BEST INTERESTS OF THE CITY.

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained at Room 9, No. 31 Chambers street.

JOHN NEWTON,  
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
ROOM 6, NO. 31 CHAMBERS STREET,  
NEW YORK, April 19, 1887.

### TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A SEALED envelope, with the title of the work and the name of the bidder indorsed thereon, also the number of the work as in the advertisement, will be received at this office until 10 o'clock p. m., Monday, April 25, 1887, at which place and hour they will be publicly opened by the head of the Department.

1. FOR TAKING UP AND RELAYING THE PAVEMENT now in the following-named streets: Liberty street, from Nassau street to 210 feet westerly. Cortlandt street, between Broadway and Church street. Franklin street, from Pearl street to west curb of Cliff street. Murray street, between Broadway and Church street. Warren street, between Broadway and Church street. Leonard street, between Broadway and West Broadway. Franklin street, between Broadway and Church street.
2. FOR TAKING UP AND RELAYING THE PAVEMENT now in the following-named streets: Twenty-second street, between Fifth and Sixth avenues. Fifth street, from Sixth avenue to 285 feet westerly. Fifty-fourth street, between Fifth and Sixth avenues. Fifty-fifth street, between First and Second avenues. Fifty-seventh street, between Fifth and Madison avenues. Sixty-first street, between Fourth and Lexington avenues.

### No. 3. FOR TAKING UP AND RELAYING THE PAVEMENT now in the following-named streets:

- Seventy-ninth street, between Fourth and Lexington avenues.
- Eighty-first street, between Second and Madison avenues.
- One Hundred and Fourteenth street, between Lexington and Fourth avenues.
- One Hundred and Sixty-seventh street, between First and Pleasant avenues.

Each estimate must contain the name and place of residence of the person making the same, the names of all persons interested with him therein, and if no other person be so interested, it shall distinctly state that fact. That it is made without any connection with any other person making an estimate for the same work, and is in all respects fair and without collusion or fraud. That no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested in the estimate or in the work to which it relates or in the profits thereon.

Each estimate must be verified by the oath, in writing, of the party making the same, that the several matters therein stated are true, and must be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, to the effect that if the contract is awarded to the person making the estimate, they will, upon its being so awarded, become bound as his sureties for its faithful performance; and that if he shall refuse or neglect to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion, and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting; the amount to be calculated upon the estimated amount of the work by which the bids are tested.

The consent last above mentioned must be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, or otherwise, and that he has offered himself as surety in good faith, with the intention to execute the bond required by law.

No estimate will be considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the Estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of the deposit will be returned to him.

THE COMMISSIONER OF PUBLIC WORKS RESERVES THE RIGHT TO REJECT ALL BIDS RECEIVED FOR ANY PARTICULAR WORK IF HE DEEMS IT FOR THE BEST INTERESTS OF THE CITY.

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained at Room 7, No. 31 Chambers street.

JOHN NEWTON,  
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
ROOM 7, NO. 31 CHAMBERS STREET,  
NEW YORK, September 29, 1886.

### PUBLIC NOTICE.

PERSONS HAVING ANY BUSINESS IN THIS Department which is not assigned to or transacted by the several Bureaux in the Department, and which should come under the immediate notice of the Commissioners of Public Works, are requested to communicate directly in person, or by letter, with the Commissioner.

JOHN NEWTON,  
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
ROOM 31, CHAMBERS STREET,  
NEW YORK, November 10, 1886.

### NOTICE TO CROTON WATER CONSUMERS.

NUMEROUS APPLICATIONS HAVE BEEN made to this Department by citizens claiming reductions or releases on bills for water supplied through meters, on the alleged ground of leakage caused by defective plumbing and worn-out service pipes, or by willful waste of water by tenants allowing the faucets to be turned on in full force in water-closets, sinks, etc., without the knowledge or consent of the owners of the premises.

The main object of the use of water-meters is to enable this Department to detect and check the useless and unwarrantable waste of water against the respective premises, to the health and comfort of all the citizens, and this object can only be accomplished by enforcing payment for the water wasted.

Under the law all charges for water supplied through meters lie against the respective premises, and the law therefore holds the owner of the premises responsible for the amount of water used or wasted.

Notice is therefore given to all householders that, in all future applications for reduction of water rents, no allowance will be made on account of waste of water occurring through leaks, from defective service pipes or plumbing, or wasteful use of water by tenants or occupants of buildings, though such leakage or waste may have occurred without the knowledge or consent of the owners of the buildings.

House-owners are further notified that whenever their premises become vacant, and are likely to remain vacant, they must notify the Department in writing, and this unless this requirement is complied with no deductions in extra water rents will be allowed for any portion of one year.

JOHN NEWTON,  
Commissioner of Public Works.

### FIRE DEPARTMENT.

HEADQUARTERS FIRE DEPARTMENT,  
Nos. 137 & 139 EAST SIXTY-SEVENTH STREET,  
NEW YORK, January 26, 1887.

NOTICE IS HEREBY GIVEN THAT THE Board of Commissioners of this Department will meet daily, at 10 o'clock A. M., for the transaction of business.

By order of  
HENRY D. PURROY, President,  
RICHARD CROKER,  
EDWARD SMITH,  
Commissioners.

CARL JUSSEN,  
Secretary.

### THE CITY RECORD.

COPIES OF THE CITY RECORD CAN be obtained at No. 2 City Hall (northwest corner basement). Price three cents each.