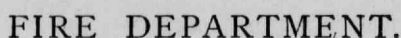


# OFFICIAL JOURNAL.

NUMBER 5,599.



HEADQUARTERS FIRE DEPARTMENT, CITY OF NEW YORK,  
NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET,  
OFFICE BOARD OF COMMISSIONERS,  
NEW YORK, May 7, 1891.

SIR—We have the honor to submit herewith the report of the operations and actions of this Department for the quarter ending December 31, 1890, and for the year ending on the same date :

*Number of each Grade of Officers and Employees.*

Repair Shops—	
Blacksmiths .....	7
Blacksmiths' Helpers .....	4
Wheelwrights .....	7
Wheelwright's Helper .....	1
Harness-maker .....	2
Harness-maker's Helper .....	1
Hose Repairers .....	2
Painters .....	6
Watchmen .....	2
Drivers .....	5
Janitor .....	1
Laborers .....	3
	<hr/>
Hospital Stables—	
Foremen of Laborers .....	1
Stablemen .....	7

Aggregate ..... 1,334

*Number of Changes by Resignation, Discharge, Death, Promotion, Appointment, etc., in each Grade.*

GRADE.	LOSS BY								GAIN BY				Relieved from Service at Fires.		
	Reduction.	Resignation.	Dropped.	Discharge.	Dismissal.	Retirement.	Promotion.	Death.	Appointment.	Total.	Appointment.	Promotion.		Reduction.	Total.
Bureau Chief of Department.															
Foremen.....	1	..	..	..	..	..	..	1	..	2	..	2	..	2	2
Assistant Foremen.....	..	1	..	..	..	..	2	..	..	3	..	10	1	11	..
Engineers of Steamer.....	..	..	..	..	1	1	..	2	..	4	..	5	..	5	3
Firemen, First Grade.....	..	6	..	..	6	1	13	10	..	36	..	35	..	35	1
Firemen, Second Grade.....	..	..	..	..	2	..	36	..	..	38	..	14	..	14	..
Firemen, Third Grade.....	..	6	..	..	2	..	15	1	..	24	83	..	..	83	..
Ununiformed Firemen.....	..	1	1	..	..	..	..	..	83	85	60	..	..	60	..
Stokers.....	..	1	..	..	..	..	..	..	..	1	1	..	..	1	..
Marine Engineer.....	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..
Total.....	1	15	1	..	11	2	66	14	83	193	145	66	1	212	17
Bureau of Combustibles.															
Surveyors.....	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..
Oil Collectors.....	..	..	..	..	..	..	2	..	..	2	..	..	..	..	..
Total.....	..	..	..	..	..	..	2	..	..	2	..	3	..	3	..
Bureau Inspection of Buildings.															
Inspectors of Buildings.....	..	2	..	..	3	..	..	1	..	6	8	..	..	8	..
Clerks.....	..	1	..	..	..	..	..	1	..	2	..	..	..	..	..
Total.....	..	3	..	..	3	..	..	2	..	8	8	..	..	8	..
Fire Alarm Telegraph.															
Linemen.....	..	..	..	3	1	..	..	1	..	5	..	..	..	..	..
Assistant Batteryman.....	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..
Instrument-maker.....	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..
Total.....	..	..	..	5	1	..	..	1	..	7	..	..	..	..	..
Repair Shops.															
Storekeeper.....	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..
Machinists.....	..	1	..	..	..	..	1	1	..	3	3	1	..	4	..
Machinist Helpers.....	..	1	..	..	..	..	1	..	..	2	5	..	..	5	..
Harness-makers.....	..	1	..	..	..	..	..	..	..	1	1	..	..	1	..
Harness-maker Helpers.....	..	..	..	..	..	..	..	1	..	1	1	..	..	1	..
Painters.....	..	..	1	..	..	..	..	..	..	1	2	..	..	2	..
Laborers.....	..	..	..	..	..	..	..	..	..	..	3	..	..	3	..
Wheelwright.....	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..
Total.....	..	3	1	..	..	..	2	3	..	9	16	1	..	17	..
Hospital Stables.															
Foreman of Laborers.....	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..
Stablemen.....	..	..	..	..	..	..	..	..	..	..	2	..	..	2	..
Total.....	..	..	..	..	..	..	..	..	..	..	3	..	..	3	..
Recapitulation.															
Bureau Chief of Department.....	1	15	1	..	11	2	66	14	83	193	145	66	1	212	17
Bureau of Combustibles.....	..	..	..	..	..	..	2	..	..	2	..	3	..	3	..
Bureau Inspection of Buildings.....	..	3	..	..	3	..	..	2	..	8	8	..	..	8	..
Fire Alarm Telegraph.....	..	..	..	5	1	..	..	1	..	7	..	..	..	..	..
Repair shops.....	..	3	1	..	..	..	2	3	..	9	16	1	..	17	..
Hospital stables.....	..	..	..	..	..	..	..	..	..	..	3	..	..	3	..
Aggregate.....	1	21	2	5	15	2	70	20	83	219	172	70	1	243	17

Net aggregate gain since last report, 24.



## Appropriations (including Transfers) and Expenditures.

TITLE OF APPROPRIATION.	AMOUNT OF APPROPRIATION.	EXPENDITURES.	BALANCE.
For Salaries—			
Headquarters.....	\$51,570 00	\$51,323 88	\$246 12
Bureau Chief of Department.....	1,360,000 00	1,359,287 32	712 68
“ Inspector of Combustibles.....	14,400 00	14,321 49	78 51
“ Fire Marshal.....	7,300 00	7,294 43	5 57
“ Inspection of Buildings.....	99,500 00	96,172 37	3,327 63
Attorney.....	4,000 00	4,000 00	.....
Fire Alarm Telegraph.....	26,795 00	26,773 65	21 35
Repair Shops.....	61,880 68	61,880 68	.....
Hospital Stables.....	5,897 32	5,864 77	32 55
Total Salaries.....	\$1,631,343 00	\$1,626,918 59	\$4,424 41
For Apparatus, Supplies, etc.....	\$366,200 00	\$366,200 00	.....
For new houses for Engine Cos. Nos. 35 and 42.....	40,000 00	39,024 10	\$975 90
For placing Fire Alarm Conductors underground.....	58,000 00	58,000 00	.....
For new Floating Engine.....	43,000 00	42,875 39	124 61
Total apparatus, etc.....	\$507,200 00	\$506,099 49	\$1,100 51
Grand total.....	\$2,138,543 00	\$2,133,018 08	\$5,524 92

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

Apparatus, Supplies, etc.—	
For forage.....	\$28,165 00
For fuel.....	26,400 00
For new fire engines.....	12,000 00
For new hose.....	30,000 00
For new hose wagons.....	3,255 00
For repairing fire engines.....	1,600 00
For new truck.....	1,800 00
For new water tower.....	4,800 00
For repairs and alterations to buildings.....	27,585 00
Total.....	\$135,695 00
For placing fire-alarm telegraph electrical conductors underground.....	\$47,771 59
For new houses for Engine Co's Nos. 35 and 42.....	37,142 00
For new floating engine.....	39,800 00
Grand total.....	\$260,408 59

## Amount of Bills and Pay-rolls Audited.

Bills for 1889.....	\$170,654 13
Bills for 1890.....	374,036 18
Total bills.....	\$544,690 31
Pay-rolls for 1890.....	1,626,915 91
Total bills and pay-rolls.....	\$2,171,606 22

An exhaustive investigation into the operations and conduct of the Department was made by the Committee on Cities of the Senate, whose experts spent considerable time in an examination of the records. The result was reported to the Senate by the Committee as follows:

“This Department has been examined with great care and thoroughness, and its investigation completed. The magnitude of its operations will appear in the exhibits relative to that Department, which are hereto annexed as a part of the New York City Exhibits.”

“The chief witness, who is the President of the Board, misapprehended the purpose of the investigation, and treated the Committee, and through the Committee, the Senate of the State, with scant courtesy. To all virtual intents and purposes he is the Department. We found this Department well managed and, as far as we have been able to discover, its affairs are in a satisfactory condition. The evidence shows very conclusively, however, that there is no reason why this Department should not be under a single head. It is in fact, if not in theory, in the hands of a single Commissioner, and, in the judgment of your Committee, this fact is by no means among the least of the reasons why the Department is so well managed.”

“The investigation of this Department showed the necessity for many changes in the building law of the City of New York.”

## BUREAU CHIEF OF DEPARTMENT.

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.					Total No. of Horses.	No. of Alarms Responded to.	No. of Fires Performed Duty at.	REMARKS.
		No. of Steam Fire Engines. (2 horses each.)	No. of Four-wheel Tenders. (2 horses each.)	No. of Two-wheel Tenders. (1 horse each.)	No. of Hook and Ladder Trucks. (3 horses each.)					
Engine 1.....	12	1	1	..	..	5	144	69	Engine, 3 horses.	
“ 2.....	12	1	1	..	..	4	112	48		
“ 3.....	12	1	1	..	..	4	79	28		
“ 4.....	12	1	†1	..	..	4	113	67	† Hose wagon.	
“ 5.....	20	2	1	1	..	7	148	40	Double company, 1 engine, 3 horses.	
“ 6.....	12	1	..	1	..	3	82	42		
“ 7.....	16	1	..	1	*1	5	158	64	* Water tower.	
“ 8.....	12	1	1	..	..	4	131	35		
“ 9.....	12	1	1	..	..	3	171	69	Engine, 3 horses.	
“ 10.....	12	1	1	..	..	4	57	27		
“ 11.....	12	1	1	..	..	4	172	60		
“ 12.....	20	2	..	2	..	6	183	75	Double company.	
“ 13.....	20	2	..	2	..	6	163	59	Double company.	
“ 14.....	12	1	†1	..	..	5	144	67	† Hose wagon; engine, 3 horses.	
“ 15.....	12	1	1	..	..	4	189	46		
“ 16.....	20	2	1	1	..	7	139	52	Double company.	
“ 17.....	12	1	1	..	..	4	229	84		
“ 18.....	20	2	1	1	..	7	144	41	{ Double company; 1 engine, 3 horses.	

COMPANY.	No. of Officers and Men.	APPARATUS.				Total No. of Horses.	No. of Alarms Responded to.	No. of Fires Performed Duty at.	REMARKS.
		No. of Steam Fire Engines. (2 horses each.)	No. of Four-wheel Tenders. (2 horses each.)	No. of Two-wheel Tenders. (1 horse each.)	No. of Hook and Ladder Trucks. (2 horses each.)				
Engine 19.....	12	1	1	..	..	4	119	48	Engine, 3 horses.
“ 20.....	12	1	†1	..	..	4	155	57	† Hose wagon.
“ 21.....	12	1	1	..	..	4	129	48	
“ 22.....	12	1	1	..	..	4	121	38	
“ 23.....	12	1	1	..	..	4	109	43	
“ 24.....	12	1	†1	..	..	4	93	48	† Hose wagon.
“ 25.....	12	1	..	1	..	3	129	53	
“ 26.....	20	2	1	1	..	7	219	72	Double company.
“ 27.....	20	2	1	1	..	7	127	59	Double company.
“ 28.....	12	1	1	..	..	4	86	28	
“ 29.....	12	1	..	1	..	3	90	47	
“ 30.....	12	1	†1	..	..	4	128	53	† Hose wagon.
“ 31.....	20	2	1	1	..	7	154	67	{ Double company, 1 engine, 3 horses.
“ 32.....	12	1	..	1	..	3	102	52	
“ 33.....	20	2	†1	1	..	7	169	66	{ Double company, †hose wagon, 1 engine, 3 horses.
“ 34.....	12	1	1	..	..	4	121	55	
“ 35.....	12	1	1	..	..	4	138	51	
“ 36.....	12	1	1	..	..	4	124	45	
“ 37.....	14	1	1	..	..	4	83	34	
“ 38.....	12	1	†1	..	1	6	40	23	{ † Hose wagon, hook and ladder truck, 2 horses.
“ 39.....	12	1	1	..	..	4	126	31	
“ 40.....	12	1	1	..	..	4	70	32	
“ 41.....	12	1	..	1	..	3	50	23	
“ 42.....	8	1	1	..	..	4	23	6	
“ 43.....	12	..	..	..	..	..	115	11	Floating engine.
“ 44.....	12	1	1	..	..	4	132	22	
“ 45.....	8	1	1	..	..	4	11	4	
“ 46.....	8	1	1	..	..	4	24	9	
“ 47.....	12	1	1	..	1	6	57	16	Hook and ladder truck, 2 horses.
“ 48.....	12	1	1	..	1	6	27	9	“ “
“ 49.....	12	1	..	1	1	5	..	..	“ “
“ 50.....	12	1	1	..	1	6	46	19	“ “
“ 51.....	12	..	..	..	..	..	120	24	Floating engine.
“ 52.....	12	1	1	..	1	6	15	7	Hook and ladder truck, 2 horses.
“ 53.....	12	1	1	..	..	4	113	39	
“ 54.....	12	1	1	..	..	4	153	42	
“ 55.....	12	1	..	1	..	3	97	48	
“ 56.....	12	1	1	..	..	4	45	16	
Hook and Ladder 1..	12	..	..	..	1	3	224	169	
“ 2..	12	..	..	..	1	3	243	103	
“ 3..	16	..	..	..	1-†1	5	220	136	* Water tower, 2 horses.
“ 4..	12	..	..	..	1	3	308	185	
“ 5..	18	..	..	..	2	5	175	86	{ Double company; 1 hook and ladder truck, 2 horses.
“ 6..	12	..	..	..	1	3	261	165	
“ 7..	12	..	..	..	1	3	190	109	
“ 8..	12	..	..	..	1	3	179	115	
“ 9..	12	..	..	..	1	3	192	130	
“ 10..	12	..	..	..	1	3	163	128	
“ 11..	12	..	..	..	1	3	212	108	
“ 12..	12	..	..	..	1	3	248	130	
“ 13..	12	..	..	..	1	3	181	91	
“ 14..	12	..	..	..	1	3	172	138	
“ 15..	12	..	1	..	1	5	89	64	
“ 16..	12	..	..	..	1	3	179	86	
“ 17..	12	..	..	..	1	2	93	58	Hook and ladder truck, 2 horses.
“ 18..	12	..	..	..	1	3	309	192	
“ 19..	8	..	†1	..	1	4	29	19	{ † Hose wagon; hook and ladder truck, 2 horses.
“ 20..	12	..	..	..	1	2	196	120	Hook and ladder truck, 2 horses.
“ 21..	16	..	..	..	1	3	147	76	Organized June 1 (7 months).
Total .....	996	63	\$46	19	130	316	...	...	{ \$ Includes 8 Hose Wagons.    Includes 2 Water Towers.

Average number of alarms responded to by each company, 134. Average number of fires at which each company performed duty, 61.

The companies are organized into twelve battalions, consisting of from five to nine companies each, and commanded by a Chief of Battalion; a Deputy Chief of Department commands the First, Second, Third, Fourth, Fifth and Sixth Battalions, and a Deputy Chief of Department commands the Seventh, Eighth, Ninth, Tenth, Eleventh and Twelfth Battalions; the entire force is commanded by the Chief of Department.

## Rules and Regulations.

During the year a revision of the rules and regulations affecting the Bureau Chief of Department (Uniformed Force), was completed and published in pamphlet form.

## Register of Officers of the Uniformed Force in Active Service on December 31.

NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
	Age.	Grade.	Date.	Grades.	Dates.
Chief of Department.					
Bonner, Hugh .....	27	Foreman .....	Sept. 18, 1865	Chief of Battalion.. 2d Assistant Chief of Department... Assistant Chief of Department .....	May 21, 1873 Jan. 4, 1883 May 1, 1884 May 22, 1889



NAME.	ORIGINAL APPOINTMENT.			PROMOTION.		NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
	Age.	Grade.	Date.	Grades.	Dates.		Age.	Grade.	Date.	Grades.	Dates.
<i>Deputy Chiefs of Department.</i>											
McCabe, John.....	26	<i>a</i> Fireman.....	Sept. 25, 1866	Assistant Foreman..... Foreman..... Chief of Battalion..... <i>b</i> 2d Assistant Chief of Department..... Deputy Chief of Department.....	Dec. 1, 1873 July 1, 1874 May 16, 1881 May 1, 1884 May 22, 1889	29. Fisher, Isaac.....	22	<i>k</i> 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
Reilly, Francis J.....	22	Fireman.....	Sept. 27, 1865	Assistant Foreman..... Foreman..... Chief of Battalion..... <i>d</i> 2d Assistant Chief of Department..... Deputy Chief of Department.....	Oct. 15, 1870 July 1, 1871 May 1, 1872 June 6, 1872 Feb. 1, 1880 Aug. 4, 1886 May 22, 1889	30. Wray, Robert.....	23	Fireman.....	Oct. 16, 1865	Assistant Engineer of Steamer..... Assistant Foreman..... Foreman.....	June 1, 1871 Sept. 1, 1874 Mar. 12, 1877
<i>Chiefs of Battalion.</i>											
1. 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	31. Bradley, Daniel.....	30	Fireman.....	Mar. 1, 1866	Assistant Foreman..... Foreman.....	Mar. 1, 1873 Apr. 3, 1878
2. Rowe, William.....	24	Foreman.....	Oct. 20, 1865	Chief of Battalion.....	May 21, 1873	32. Birmingham, William.....	34	Fireman.....	Dec. 15, 1873	Assistant Foreman..... Foreman.....	Oct. 1, 1875 Dec. 8, 1879
3. Fisher, John S.....	34	Fireman.....	Jan. 9, 1868	Assistant Foreman..... Foreman..... Chief of Battalion.....	June 1, 1868 July 15, 1869 May 21, 1873	33. Farrell, Robert R.....	26	<i>i</i> 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
4. Campbell, Samuel.....	25	Fireman.....	Oct. 16, 1865	Assistant Foreman..... Foreman..... Chief of Battalion.....	Aug. 1, 1869 Feb. 1, 1873 Sept. 23, 1875	34. Fleming, William H.....	22	Fireman.....	Oct. 17, 1870	Assistant Foreman..... Foreman.....	Aug. 2, 1877 Mar. 17, 1880
5. Bresnan, John J.....	22	Fireman.....	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	35. Shay, Charles H.....	21	Private.....	Nov. 21, 1877	Fireman..... Assistant Engineer of Steamer..... Engineer of Steamer..... Assistant Foreman..... Foreman.....	Apr. 1, 1878 Apr. 1, 1878 Apr. 4, 1879 Dec. 10, 1879 June 1, 1880
6. Reeves, Michael F.....	27	Fireman.....	Apr. 16, 1867	Assistant Foreman..... Foreman..... Chief of Battalion.....	Oct. 15, 1870 Aug. 1, 1871 Nov. 1, 1881	36. Perley, Charles H.....	22	Private.....	Jan. 17, 1879	Assistant Foreman..... Foreman.....	Feb. 1, 1879 Aug. 25, 1880
7. Lally, Thomas.....	22	Fireman.....	Aug. 15, 1870	Assistant Foreman..... Foreman..... Chief of Battalion.....	Apr. 21, 1873 Nov. 1, 1881 May 1, 1884	37. O'Brien, Edward.....	23	Fireman.....	July 1, 1869	Assistant Foreman..... Foreman.....	Mar. 1, 1873 Sept. 17, 1880
8. 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	38. Brown, William W.....	23	Fireman.....	June 14, 1866	Assistant Foreman..... Foreman.....	Dec. 1, 1873 Apr. 1, 1881
9. McGill, Joseph F.....	23	Fireman.....	Mar. 21, 1866	Assistant Foreman..... Foreman..... Chief of Battalion.....	Apr. 1, 1870 Oct. 1, 1872 Aug. 12, 1884	39. Byrne, Joseph P.....	28	Fireman.....	Oct. 1, 1871	Assistant Foreman..... Foreman.....	May 1, 1875 July 1, 1881
10. Cashman, John J.....	22	Fireman.....	Oct. 17, 1866	Assistant Foreman..... Foreman..... Chief of Battalion.....	Feb. 15, 1872 Apr. 27, 1879 Aug. 4, 1880	40. Duane, William.....	28	Fireman.....	Aug. 8, 1868	Assistant Foreman..... Foreman.....	July 20, 1871 Nov. 1, 1881
11. Kehoe, John H.....	22	Fireman.....	Oct. 20, 1865	Assistant Foreman..... Foreman..... Chief of Battalion.....	June 15, 1869 Dec. 1, 1869 Dec. 23, 1888	41. Colby, William J.....	30	Fireman.....	July 7, 1875	Assistant Foreman..... Foreman.....	June 1, 1876 Nov. 1, 1881
12. Short, Peter H.....	26	Fireman.....	May 1, 1875	Assistant Foreman..... Foreman..... Chief of Battalion..... <i>e</i> Foreman..... Chief of Battalion.....	June 1, 1880 Apr. 18, 1883 Aug. 4, 1885 July 1, 1887 May 22, 1889	42. Searle, George S.....	21	Fireman.....	Nov. 15, 1874	Assistant Foreman..... Foreman.....	July 22, 1880 Nov. 18, 1881
<i>Foremen.</i>											
1. Poynton, Joseph.....	26	Foreman.....	Sept. 8, 1865	Assistant Foreman..... Foreman.....	June 1, 1868 Feb. 1, 1869	43. Shaw, Joseph.....	28	<i>j</i> Engineer of Steamer..... Ass't Engineer of Steamer.....	Oct. 13, 1865 Feb. 1, 1874	Assistant Foreman..... Foreman.....	Mar. 15, 1874 Aug. 8, 1878 Dec. 31, 1882
2. Spence, Arnot.....	31	Foreman.....	Oct. 20, 1865	Assistant Foreman..... Foreman.....	Apr. 17, 1867 Mar. 1, 1869	44. McAdams, Henry W.....	23	Fireman.....	Sept. 18, 1874	Assistant Foreman..... Foreman.....	Nov. 1, 1881 May 23, 1883
3. McNeil, Alexander.....	29	Assistant Foreman.....	Oct. 16, 1865	Assistant Foreman..... Foreman.....	June 23, 1868 June 15, 1869	45. Murray, Henry.....	24	<i>k</i> Fireman..... Fireman.....	Oct. 13, 1865 Dec. 17, 1874	Assistant Foreman..... Foreman.....	Oct. 1, 1877 Jan. 15, 1884
4. Donohue, Patrick.....	26	Fireman.....	Sept. 27, 1865	Assistant Foreman..... Foreman.....	Apr. 17, 1867 Mar. 1, 1869	46. Gooderson, Frederick W., Jr.....	23	Private.....	Oct. 13, 1879	Assistant Engineer of Steamer..... Assistant Foreman..... Foreman.....	Apr. 1, 1880 May 23, 1883 May 3, 1884
5. Best, Samuel.....	32	Fireman.....	June 14, 1866	Assistant Foreman..... Foreman.....	Apr. 17, 1867 Mar. 1, 1869	47. McCutchen, James.....	31	Fireman.....	Sept. 18, 1865	Assistant Foreman..... Foreman.....	Mar. 1, 1869 May 20, 1884
6. Shaw, William.....	27	Assistant Foreman.....	Oct. 2, 1865	Assistant Foreman..... Foreman.....	June 23, 1868 June 15, 1869	48. Connolly, Patrick J.....	28	Fireman.....	Jan. 15, 1873	Assistant Foreman..... Foreman.....	Nov. 16, 1881 May 20, 1884
7. McCormick, James A.....	27	Fireman.....	Oct. 6, 1865	Assistant Foreman..... Foreman.....	Apr. 1, 1869 July 15, 1869	49. McCabe, Hugh D.....	25	Private.....	Feb. 9, 1882	Assistant Foreman..... Foreman.....	July 22, 1883 May 20, 1884
8. Castles, John.....	27	Fireman.....	July 27, 1866	Assistant Foreman..... Foreman.....	June 1, 1869 Mar. 1, 1870	50. Shea, Joseph.....	29	Foreman.....	May 20, 1884	Assistant Engineer of Steamer..... Assistant Foreman..... Foreman.....	Mar. 21, 1880 July 1, 1881 June 6, 1884
9. McLaughlin, Wm.....	29	Fireman.....	May 22, 1868	Assistant Foreman..... Foreman.....	June 1, 1869 Mar. 1, 1870	51. Cosgrove, James.....	21	Private.....	Jan. 1, 1878	Assistant Foreman..... Foreman.....	Feb. 15, 1872 Nov. 1, 1881 Aug. 1, 1884
10. Erb, George W.....	23	Fireman.....	Oct. 11, 1865	Assistant Foreman..... Foreman.....	Feb. 1, 1869 July 25, 1870	52. Falvey, John.....	21	Fireman..... Fireman.....	Mar. 11, 1871 July 18, 1874	Assistant Foreman..... Assistant Foreman..... Foreman.....	Jan. 7, 1876 Aug. 7, 1884
11. Hayes, William F.....	27	<i>j</i> Fireman..... Fireman.....	July 31, 1865 Apr. 1, 1866	Assistant Foreman..... Foreman.....	Oct. 1, 1869 Oct. 15, 1870	53. McDonald, Alexander.....	28	<i>m</i> Fireman..... Fireman.....	July 31, 1865 June 12, 1873	Assistant Foreman..... Foreman.....	Jan. 7, 1876 Aug. 7, 1884
12. Landers, Wm. H.....	41	Fireman.....	Sept. 29, 1865	Assistant Foreman..... Foreman.....	Nov. 17, 1865 Dec. 24, 1870	54. Binns, John.....	25	Private.....	Mar. 22, 1882	Assistant Foreman..... Foreman.....	May 20, 1884 Aug. 16, 1884
13. Wolff, Charles A.....	33	Fireman.....	Mar. 21, 1866	Assistant Foreman..... Foreman.....	Aug. 1, 1870 July 1, 1871	55. Golden, John J.....	30	Fireman.....	Dec. 18, 1874	Assistant Foreman..... Foreman.....	Feb. 1, 1883 Aug. 22, 1884
14. Meagher, Daniel J.....	23	Fireman.....	Oct. 6, 1865	Assistant Foreman..... Foreman.....	Dec. 24, 1870 Nov. 1, 1871	56. Barry, James.....	23	<i>n</i> Hoseman..... Fireman.....	Jan. 20, 1874 Feb. 12, 1876	Assistant Foreman..... Foreman.....	May 20, 1884 Aug. 22, 1884
15. Vetter, Peter, Jr.....	26	Fireman.....	Oct. 27, 1865	Assistant Foreman..... Foreman.....	June 1, 1868 May 1, 1872	57. Sullivan, Thomas.....	26	<i>o</i> Dist. Engineer of Steamer..... Foreman.....	Sept. 6, 1865 Aug. 23, 1884	Assistant Foreman..... Foreman.....	July 10, 1879 Feb. 1, 1885
16. Cowie, John A.....	30	Assistant Foreman.....	Sept. 14, 1865	Assistant Foreman..... Foreman.....	Jan. 1, 1870 Mar. 1, 1873	58. Kenny, Thomas A.....	29	Fireman.....	Aug. 4, 1876	Assistant Foreman..... Foreman.....	Aug. 16, 1884 Feb. 1, 1885
17. Jones, Henry M.....	27	Assistant Foreman.....	Sept. 27, 1865	Assistant Foreman..... Foreman.....	Jan. 1, 1870 Mar. 1, 1873	59. Lawler, Daniel.....	24	Fireman.....	May 1, 1875	Assistant Foreman..... Foreman.....	Aug. 16, 1884 Feb. 1, 1885
18. Ward, John.....	26	Fireman.....	Sept. 25, 1865	Assistant Foreman..... Foreman.....	Jan. 1, 1870 Mar. 1, 1873	60. Callaghan, Daniel H.....	26	Fireman.....	Mar. 1, 1873	Assistant Foreman..... Foreman.....	July 10, 1879 June 25, 1885
19. Sattler, John.....	29	Fireman.....	Oct. 20, 1865	Assistant Foreman..... Foreman.....	July 1, 1871 Mar. 1, 1873	61. Cook, Martin.....	23	Hoseman.....	Jan. 1, 1870	Assistant Engineer of Steamer..... Engineer of Steamer..... Assistant Foreman..... Foreman.....	July 24, 1871 Jan. 1, 1874 Jan. 15, 1874 Mar. 1, 1875 Nov. 15, 1885
20. Sheridan, Philip.....	23	Fireman.....	Oct. 20, 1865	Assistant Foreman..... Foreman.....	Nov. 1, 1871 June 16, 1873	62. Teal, Henry.....	21	Fireman.....	Aug. 1, 1871	Assistant Foreman..... Foreman.....	Sept. 22, 1880 Nov. 15, 1885
21. Connor, David.....	25	Fireman.....	July 31, 1865	Assistant Foreman..... Foreman.....	Nov. 1, 1871 June 16, 1873	63. Cooney, John J.....	29	Private.....	Sept. 1, 1882	Assistant Engineer of Steamer..... Assistant Foreman..... Foreman.....	June 6, 1884 July 1, 1885 Nov. 15, 1885
22. Welsh, John.....	23	Fireman.....	Oct. 11, 1865	Engineer of Steamer..... Assistant Foreman..... Foreman.....	Aug. 1, 1866 Feb. 15, 1872 June 10, 1873	64. Ahearn, Thomas J.....	23	Fireman.....	May 9, 1873	Assistant Foreman..... Foreman.....	Apr. 1, 1881 Feb. 25, 1886
23. Chambers, Charles.....	31	<i>l</i> Engineer of Steamer.....	Sept. 14, 1865	Assistant Foreman..... Foreman.....	July 1, 1873 Dec. 1, 1873	65. White, John H.....	30	Fireman.....	Jan. 2, 1875	Assistant Foreman..... Foreman.....	Feb. 1, 1883 Feb. 25, 1886
24. Perley, Hamilton F.....	21	<i>l</i> Ass't Engineer of Steamer.....	Mar. 15, 1873	Assistant Foreman..... Foreman.....	Jan. 15, 1874 Aug. 1, 1874	66. Fraser, William D.....	24	Fireman.....	July 3, 1872	Assistant Foreman..... Foreman.....	May 20, 1884 Dec. 1, 1886
25. Monroe, James H.....	29	Fireman.....	Oct. 16, 1865	Foreman..... District Engineer..... <i>g</i> Chief of Battalion..... Foreman.....	Apr. 17, 1867 July 1, 1871 May 21, 1873 Feb. 15, 1875	67. Croker, Edward F.....	21	Private.....	June 22, 1884	Assistant Foreman..... Foreman.....	Aug. 16, 1884 Feb. 25, 1886
26. Van Horn, Thomas J.....	26	Fireman.....	May 6, 1871	Assistant Foreman..... Foreman.....	Jan. 15, 1874 Mar. 1, 1875	68. McNamara, M. J.....	25	Fireman.....	Apr. 21, 1873	Assistant Foreman..... Foreman.....	Aug. 27, 1884 Dec. 1, 1886
27. Kittson, Hugh.....	28	Fireman.....	Sept. 25, 1865	Assistant Foreman..... Foreman.....	July 1, 1873 Mar. 1, 1875	69. Nugent, James M.....	24	Private.....	Jan. 4, 1884	Assistant Foreman..... Foreman.....	July 1, 1885 Jan. 15, 1887
28. Eagan, John J.....	25	Fireman.....	Sept. 11, 1865	Assistant Foreman..... Foreman.....	Oct. 15, 1870 Aug. 20, 1875	70. O'Hearn, Thomas.....	29	Fireman.....	June 12, 1875	Assistant Foreman..... Foreman.....	July 1, 1883 Feb. 1, 1887
<i>a</i> Resigned, November 12, 1867. <i>b</i> Dismissed, July 21, 1886, and reinstated by court, July 1, 1887. <i>c</i> Reduced to Fireman, April 1, 1872.						<i>k</i> Resigned, May 21, 1872. <i>l</i> Resigned, May 21, 1872. <i>j</i> Resigned, October 16, 1871. <i>m</i> Resigned, June 8, 1872. <i>n</i> Resigned, July 1, 1875. <i>o</i> Dropped, May 21, 1873.					
<i>d</i> Re-assigned as Chief of Battalion, July 1, 1887. <i>e</i> Re-assigned as Foreman, July 1, 1887. <i>f</i> Resigned, January 15, 1866. <i>g</i> Reduced to Foreman, February 15, 1875.						<i>p</i> Reduced to Assistant Foreman, December 2, 1875.					



NAME.	ORIGINAL APPOINTMENT.			PROMOTION.		NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
	Age.	Grade.	Date.	Grades.	Dates.		Age.	Grade.	Date.	Grades.	Dates.
73. Quirk, William	27	Private	May 19, 1881	Assistant Foreman.	May 20, 1884	50. O'Grady, Joseph	27	Private	Nov. 24, 1877	Assistant Engineer of Steamer	Oct. 20, 1880
74. Farley, Thomas	25	Fireman	May 13, 1868	Foreman	Sept. 1, 1888	51. Reilly, Bernard J.	27	Fireman	May 1, 1875	Assistant Foreman	Aug. 21, 1884
75. Murphy Lawrence	24	Fireman	Sept. 1, 1869	Assistant Foreman.	Apr. 10, 1882	52. Reilly, Michael A.	22	Private	Apr. 4, 1881	Assistant Foreman	Aug. 21, 1884
76. Gormley, Patrick	28	Private	June 12, 1871	Foreman	June 1, 1889	53. Kiasella, Henry	27	Private	Feb. 3, 1883	Assistant Foreman	Aug. 27, 1884
77. Moss, Joseph	28	Fireman	May 15, 1884	Assistant Foreman.	May 17, 1883	54. McNamara, John J.	26	Fireman	Dec. 7, 1877	Assistant Engineer of Steamer	Apr. 11, 1880
78. Honan, John S.	25	Private	Dec. 1, 1871	Foreman	June 6, 1889	55. Petersen, Adolph J.	25	Fireman	Oct. 25, 1873	Assistant Foreman	July 1, 1885
79. Riordan, John	21	Fireman	May 8, 1883	Assistant Foreman.	Nov. 1, 1881	56. Tobin, Edward H.	22	Fireman	May 4, 1875	Assistant Foreman	July 1, 1885
80. Ryan, Patrick F.	28	Engineer of Steamer	Sept. 20, 1866	Foreman	Nov. 15, 1885	57. Beshinger, Joseph	23	Private	May 10, 1880	Assistant Foreman	July 1, 1885
81. Burke, Coleman J.	22	Private	Nov. 1, 1871	Assistant Foreman.	Nov. 19, 1889	58. Banta, Samuel	28	Private	Jan. 22, 1883	Assistant Foreman	July 1, 1885
Assistant Foremen.			Sept. 6, 1874	Engineer of Steamer	July 21, 1875	59. Delaney, James	23	Fireman	Aug. 1, 1869	Assistant Engineer of Steamer	Mar. 16, 1871
1. Schuck, Henry	33	Fireman	Jan. 1, 1878	Assistant Foreman.	Nov. 15, 1885	60. Shute, James H.	23	Fireman	Oct. 17, 1873	Engineer of Steamer	Nov. 16, 1883
2. Smith, Edward S.	23	Fireman	Sept. 18, 1865	Foreman	Aug. 22, 1890	61. Burns, John J.	21	Private	Aug. 17, 1883	Assistant Foreman	Nov. 15, 1885
3. Hicks, Matthew	21	Fireman	Sept. 11, 1865	Assistant Foreman.	Jan. 17, 1880	62. Martin, Michael	26	Fireman	July 1, 1873	Assistant Foreman	Feb. 1, 1886
4. Lynar, Andrew	28	Fireman	Aug. 10, 1868	Assistant Foreman.	Jan. 1, 1886	63. Miller, William	28	Private	Apr. 2, 1881	Assistant Foreman	Dec. 1, 1886
5. Brennan, Terrence P.	25	Fireman	Jan. 21, 1868	Assistant Foreman.	Feb. 1, 1887	64. Flaherty, James	29	Private	Feb. 15, 1882	Assistant Foreman	Dec. 1, 1886
6. McNamee, Charles	28	Fireman	Oct. 6, 1865	Assistant Foreman.	Aug. 22, 1890	65. Whelan, John T.	29	Fireman	May 20, 1884	Assistant Foreman	Dec. 1, 1886
7. Jones, Walter H.	25	Fireman	Sept. 29, 1865	Assistant Foreman.	Jan. 1, 1886	66. Taylor, Joseph W.	25	Fireman	Jan. 1, 1873	Assistant Foreman	Mar. 1, 1887
8. Conaghan, Patrick	23	Fireman	Oct. 16, 1865	Assistant Foreman.	Feb. 1, 1887	67. Nash, William H.	21	Fireman	Sept. 9, 1876	Assistant Engineer of Steamer	Oct. 1, 1886
9. Braisted, William C.	25	Fireman	Sept. 14, 1865	Assistant Foreman.	Mar. 1, 1873	68. Norris, Richard J.	25	Private	July 15, 1879	Engineer of Steamer	Jan. 1, 1886
10. Campbell, James A.	27	Fireman	Sept. 22, 1865	Assistant Foreman.	Apr. 21, 1873	69. Reilly, Michael F.	29	Private	Jan. 13, 1880	Assistant Foreman	Feb. 1, 1887
11. Moore, Edward S.	31	Fireman	Aug. 1, 1871	Assistant Foreman.	June 16, 1873	70. Farrell, George F.	25	Private	Nov. 1, 1880	Assistant Foreman	Feb. 1, 1887
12. Louis, Albert F.	24	Fireman	Sept. 22, 1865	Assistant Foreman.	Aug. 15, 1873	71. Reilly, Henry P.	21	Private	Oct. 21, 1881	Assistant Foreman	Dec. 27, 1887
13. Burnett, Henry	33	Fireman	Aug. 1, 1871	Assistant Foreman.	Dec. 1, 1883	72. McCartney, James J.	28	Fireman	Aug. 1, 1884	Assistant Foreman	Dec. 27, 1887
14. Cartright, Stephen	27	Ass't Foreman	Sept. 8, 1865	Assistant Foreman.	Apr. 1, 1871	73. Naughton, John J.	23	Private	Dec. 1, 1881	Assistant Engineer of Steamer	Feb. 2, 1883
15. Flock, William F.	27	Fireman	June 2, 1868	Assistant Foreman.	Sept. 11, 1872	74. Coyle, Thomas	31	Fireman	Feb. 16, 1870	Engineer of Steamer	Feb. 1, 1885
16. Carey, Francis	25	Fireman	May 4, 1875	Assistant Foreman.	Jan. 15, 1874	75. Mackey, Henry F.	26	Fireman	Oct. 15, 1872	Assistant Foreman	June 1, 1889
17. Wright, Augustus H.	29	Fireman	July 3, 1872	Assistant Foreman.	May 15, 1874	76. O'Brien, Patrick, No. 1	26	Fireman	Nov. 1, 1872	Assistant Foreman	June 1, 1889
18. Kruger, Charles W., Jr.	22	Ass't Engineer of Steamer	Sept. 27, 1877	Assistant Foreman.	Oct. 15, 1870	77. Hanlon, Peter	31	Fireman	Feb. 13, 1874	Assistant Foreman	June 1, 1889
19. Kenahan, Richard F.	30	Fireman	Apr. 3, 1878	Assistant Foreman.	Dec. 21, 1874	78. Cain, Daniel L.	27	Private	Dec. 23, 1880	Assistant Foreman	June 1, 1889
20. Finn, John	29	Fireman	Sept. 20, 1866	Assistant Foreman.	May 1, 1876	79. Sloan, Peter	27	Fireman	Oct. 26, 1881	Assistant Foreman	June 1, 1889
21. McCarthy, Patrick	25	Fireman	June 15, 1872	Assistant Foreman.	Sept. 27, 1877	80. McNicol, John A.	28	Fireman	Dec. 20, 1886	Assistant Foreman	June 1, 1889
22. O'Rourke, Owen	25	Fireman	Sept. 22, 1865	Assistant Foreman.	Apr. 27, 1879	81. Slevin, Michael H.	29	Fireman	Dec. 20, 1886	Assistant Foreman	June 1, 1889
23. Browning, William	21	Fireman	Feb. 12, 1875	Assistant Foreman.	July 10, 1879	82. Hern, John	23	Fireman	Sept. 11, 1865	Assistant Foreman	Nov. 19, 1889
24. O'Reilly, Patrick H.	23	Ass't Engineer of Steamer	Apr. 23, 1869	Assistant Foreman.	June 1, 1871	83. Reilly, Lawrence J.	25	Fireman	May 10, 1871	Assistant Foreman	Nov. 19, 1889
25. Kerrigan, Francis	29	Fireman	May 9, 1873	Assistant Foreman.	Aug. 1, 1874	84. Freil, Thomas F.	23	Private	July 18, 1881	Assistant Foreman	Nov. 19, 1889
26. McCarthy, John	29	Fireman	Aug. 21, 1875	Assistant Foreman.	Feb. 1, 1880	85. Farley, John	28	Private	Jan. 19, 1882	Assistant Foreman	Nov. 19, 1889
27. Gerity, James J.	24	Fireman	May 1, 1875	Assistant Foreman.	July 20, 1880	86. Grady, John J.	26	Private	Feb. 20, 1882	Assistant Foreman	Nov. 19, 1889
28. Kelly, Thomas	28	Fireman	Sept. 15, 1871	Assistant Foreman.	Sept. 16, 1880	87. Barrett, Thomas F.	24	Private	Feb. 1, 1883	Assistant Foreman	Nov. 19, 1889
29. Hyde, David	27	Fireman	Feb. 1, 1874	Assistant Foreman.	June 9, 1881	88. Martin, Joseph B.	23	Private	Jan. 18, 1884	Assistant Foreman	Nov. 19, 1889
30. Murphy, John	24	Fireman	Sept. 18, 1865	Assistant Foreman.	Nov. 1, 1881	89. Edward Stack	26	Fireman	June 10, 1870	Assistant Foreman	Aug. 22, 1890
31. Aiken, Alexander D.	24	Fireman	June 15, 1867	Assistant Foreman.	Nov. 25, 1881	90. William J. Cook	29	Hoseman	July 3, 1872	Assistant Foreman	Mar. 1, 1873
32. Barber, John	26	Fireman	July 17, 1873	Assistant Foreman.	Mar. 22, 1882	91. Patrick T. Horan	28	Private	Oct. 27, 1880	Assistant Foreman	Aug. 22, 1890
33. Daniels, Clement L.	25	Fireman	Oct. 17, 1870	Assistant Foreman.	Aug. 7, 1882	92. James J. Smith, No. 1	26	Private	Apr. 4, 1881	Assistant Foreman	Aug. 22, 1890
34. Ryan, Edward F.	22	Fireman	July 19, 1871	Assistant Foreman.	Dec. 1, 1882	93. Daniel P. Fitzmaurice	22	Private	Feb. 15, 1882	Assistant Foreman	Aug. 22, 1890
35. Kennedy, Mathias T.	28	Private	Nov. 3, 1870	Assistant Foreman.	Feb. 1, 1883	94. Thomas F. Kane	22	Fireman	May 15, 1882	Assistant Foreman	Aug. 22, 1890
36. Margison, Charles	27	Private	Oct. 11, 1873	Assistant Foreman.	Mar. 4, 1883	95. Michael A. Burnes	22	Fireman	Mar. 1, 1883	Assistant Foreman	Aug. 22, 1890
37. Jones, William H.	29	Ladderman	July 3, 1872	Assistant Foreman.	Mar. 6, 1883	96. Hugh J. Lunny	24	Private	Aug. 1, 1883	Assistant Foreman	Aug. 22, 1890
38. Needham, John T.	27	Private	Dec. 21, 1877	Assistant Foreman.	Nov. 21, 1878	97. Thomas Larkin, No. 2	26	Private	Apr. 7, 1884	Assistant Foreman	Aug. 22, 1890
39. Hopper Charles	25	Fireman	May 23, 1883	Assistant Foreman.	May 23, 1883	98. John J. Livingston	27	Private	Aug. 18, 1884	Assistant Foreman	Aug. 22, 1890
40. Meehan, Edward	24	Fireman	Apr. 1, 1878	Assistant Foreman.	May 23, 1883						
41. Beekler, Jacob	24	Fireman	Apr. 1, 1878	Assistant Foreman.	May 23, 1883						
42. Autenreith, Charles J.	25	Private	Apr. 1, 1878	Assistant Foreman.	May 23, 1883						
43. Head, Thomas	26	Fireman	May 23, 1883	Assistant Foreman.	May 23, 1883						
44. Touhey, Martin J.	23	Fireman	May 23, 1883	Assistant Foreman.	May 23, 1883						
45. Donohue, Malachi	24	Fireman	May 23, 1883	Assistant Foreman.	May 23, 1883						
46. Gaffney, Andrew	27	Fireman	May 23, 1883	Assistant Foreman.	May 23, 1883						
47. Reed, Samuel	25	Fireman	May 23, 1883	Assistant Foreman.	May 23, 1883						
48. Hennessey, William	30	Fireman	May 23, 1883	Assistant Foreman.	May 23, 1883						
49. Leonard, John H.	32	Private	May 23, 1883	Assistant Foreman.	May 23, 1883						

g Dismissed, August 10, 1869.  
 r Resigned, November 3, 1873.  
 s Reduced to ranks, May 9, 1866.  
 t Reduced to Assistant Foreman, June 24, 1874.  
 u Discharged while detailed as Carpenter, January 1, 1875.

v Resigned, September 16, 1872.  
 w Resigned, September 29, 1865.  
 x Resigned, August 1, 1871.  
 y Dismissed, November 23, 1873.  
 z Dismissed, October 19, 1876.

aa Resigned as Foreman and assigned as Fireman.

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

APPOINTED IN—	Officers.	Engineers.	Firemen.	Total.	APPOINTED IN—	Officers.	Engineers.	Firemen.	Total.
1865	48	11	30	89	1879	3	7	5	15
1866	10	5	13	28	1880	6	11	23	40
1867	1	2	1	4	1881	10	3	29	42
1868	7	6	7	20	1882	9	3	40	52
1869	6	6	15	27	1883	8	9	55	72
1870	11	2	10	23	1884	9	11	68	88
1871	14	2	7	23	1885	..	5	26	31
1872	8	3	17	28	1886	2	8	40	50
1873	12	6	39	57	1887	..	6	32	38
1874	7	7	35	49	1888	..	4	88	92
1875	13	7	18	38	1889	..	..	11	11
1876	2	..	7	9	1890	..	..	80	80
1877	6	9	2	17					
1878	2	1	2	5					
Total	194	134	700	1,028					



*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 Aut. Telegraph.	Ignorance.	Malignous Mischief.	Not Ascertained.	Reflection from Stoves, etc.	Reflection of Distant Fire.	Smoke, etc., issuing from Premises.	Fire.	Total.
Unnecessary.....	45	7	2	34	88	4	1	1	2	3	..	29	7	31	10	..	..	..	....	88
Indication of fire.	92	4	55	..	151	..	..	..	..	..	..	..	..	..	..	18	4	129	....	151
Fires .....	1,766	19	1,684	10	3,479	..	..	..	..	..	..	..	..	..	..	..	..	..	3,479	3,479
Total.....	1,903	30	1,741	44	3,718	4	1	1	2	3	..	29	7	31	10	18	4	129	3,479	3,718

296	alarms were communicated by attachés of this Department, of which 285 proved to be for fires.
1,263	Police
432	District key-holders,
338	Citizen
1,389	all other means,
3,718	all the various means.

### Statistics of Fires.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
<b>In Buildings—</b>													
Confined to point of starting .....	296	229	290	295	248	237	313	197	203	237	267	346	3,152
Confined to building .....	20	5	30	17	11	8	18	16	14	7	11	27	184
Extended to other buildings .....	6	1	1	6	4	7	5	1	1	1	7	11	51
Total in buildings .....	322	235	321	318	263	252	336	208	218	245	285	384	3,387
In vessels .....	1	4	2	2	..	..	..	..	4	..	3	3	19
In places other than buildings and vessels.	4	3	4	5	6	5	5	5	..	6	22	8	73
Total .....	327	242	327	325	269	257	341	213	222	251	310	395	3,479
<b>Extinguished—</b>													
Without engine stream .....	209	147	210	214	205	198	244	154	159	186	206	252	2,384
With one engine stream .....	68	69	68	76	43	36	59	33	37	48	72	82	691
With two or three engine streams ....	30	22	36	24	17	11	25	18	14	14	23	34	268
With more than three engine streams.	20	4	13	11	4	12	13	8	12	3	9	27	136
Total .....	327	242	327	325	269	257	341	213	222	251	310	395	3,479
<b>Extent of damage to buildings and vessels—</b>													
Built mainly of brick, stone or iron :													
Slight .....	69	61	77	69	34	30	49	29	23	34	50	63	588
Considerable.....	21	4	20	15	7	8	12	10	11	4	8	31	151
Total .....	90	65	97	84	41	38	61	39	34	38	58	94	739
Built mainly of wood :													
Slight .....	10	9	5	12	1	7	7	4	1	4	19	7	86
Considerable .....	5	1	5	16	6	10	10	2	6	1	1	14	77
Total .....	15	10	10	28	7	17	17	6	7	5	20	21	163
Total buildings and vessels damaged .....	105	75	107	112	48	55	78	45	41	43	78	115	902
To which the damage was—													
Slight .....	79	70	82	81	35	37	56	33	24	38	69	70	674
Considerable .....	26	5	25	31	13	18	22	12	17	5	9	45	228
Number of fires resulting in damage to contents only ; buildings or vessels not damaged.....	63	39	53	52	49	58	72	44	42	45	43	60	620
Number of fires resulting in nominal damages (less than \$10) to either structures or contents.....	93	68	53	104	101	89	114	80	82	87	83	113	1,057

*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.
Monday.....	35	39	47	49	39	34	34	26	31	34	24	50	442
Tuesday.....	35	25	39	49	35	28	55	20	37	34	51	56	454
Wednesday.....	64	24	33	60	30	42	60	35	35	43	39	76	541
Thursday .....	51	25	42	42	46	46	39	22	33	44	48	52	490
Friday .....	56	50	54	52	45	33	55	28	27	42	47	66	555
Saturday.....	45	41	64	30	41	33	52	36	26	25	58	60	521
Sunday .....	41	38	48	43	33	41	46	46	33	29	43	35	476
Between the hours of—													
12 midnight and 1 a.m.....	8	3	15	11	7	9	11	6	15	5	7	6	103
1 a.m. and 2 a.m.....	8	8	12	8	8	5	7	4	6	11	7	16	100
2 a.m. and 3 a.m.....	8	9	5	12	4	5	9	6	3	3	8	10	82
3 a.m. and 4 a.m.....	8	8	4	5	8	4	8	9	6	4	4	6	47
4 a.m. and 5 a.m.....	7	5	9	5	8	1	6	7	5	2	3	8	66

	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Between the hours of—													
5 a.m. and 6 a.m.	2	6	3	5	4	3	9	4	6	3	9	9	63
6 a.m. and 7 a.m.	9	8	5	5	2	3	2	1	6	5	2	7	55
7 a.m. and 8 a.m.	11	8	6	9	2	6	10	3	7	5	13	5	85
8 a.m. and 9 a.m.	9	8	11	9	6	8	12	7	6	4	16	14	110
9 a.m. and 10 a.m.	14	12	12	8	10	9	14	5	7	11	12	18	132
10 a.m. and 11 a.m.	15	12	15	19	11	10	19	6	7	10	12	10	146
11 a.m. and 12 m.	12	8	17	12	12	11	14	11	11	12	12	14	146
12 m. and 1 p.m.	14	12	15	15	9	6	9	9	7	11	10	13	130
1 p.m. and 2 p.m.	11	9	14	14	9	14	15	6	9	10	17	14	142
2 p.m. and 3 p.m.	17	8	23	17	15	15	15	8	9	5	8	21	161
3 p.m. and 4 p.m.	10	9	9	16	15	8	18	10	8	11	18	13	145
4 p.m. and 5 p.m.	18	10	13	14	7	12	25	13	7	13	20	23	181
5 p.m. and 6 p.m.	25	13	11	14	16	9	17	11	16	21	30	36	219
6 p.m. and 7 p.m.	29	12	37	15	25	14	16	9	20	19	19	40	255
7 p.m. and 8 p.m.	37	18	21	39	28	20	21	22	17	23	15	30	291
8 p.m. and 9 p.m.	14	16	27	29	22	23	28	21	14	23	18	31	266
9 p.m. and 10 p.m.	17	15	22	24	22	25	29	13	13	19	17	22	238
10 p.m. and 11 p.m.	15	12	12	9	11	18	13	11	12	15	21	21	170
11 p.m. and 12 midnight.	9	13	9	11	8	13	14	11	5	6	12	8	119
Between 6 a.m. and 6 p.m.	165	117	151	152	114	117	170	90	100	118	170	207	1,679
Between 6 p.m. and 6 a.m.	162	125	176	173	155	140	171	123	122	133	140	188	1,800
Total each month	327	242	327	325	269	257	341	213	222	251	310	395	3,479

*Notable Fires.*

January 1.—Nos. 615 to 627 West Fifty-second street, a five-story brick building, 150 by 75 feet, occupied as a silk manufactory. The fire originated in the cellar and extended through the elevator shaft and shafting holes to all the floors, considerably damaging the building. The first alarm was received at 10.32 A.M., and at 10.39 A.M. a third alarm was sent and subsequently special calls for six engine companies. Several of the special call companies, although stretching one thousand feet of hose, were unable to reach the fire and their hose was used to lengthen the lines of other companies. The fire required the services of ten engine and three hook and ladder companies, and was under control in one hour. The scarcity of hydrants, together with the inadequate supply of water, were mainly the causes of the fire extending. The fire was caused by steam pipes with which dyed woolens had come in contact, and the estimated loss amounted to \$135,000.

January 2.—Nos. 255 and 257 Pearl street, a four-story brick and stone building, 50 by 110 feet, occupied by the Edison Electric Illuminating Company. The fire originated on the third floor, and extended through stairway to the first, second and fourth floors. It also extended to No. 259 Pearl street, a five-story brick building, 25 by 80 feet, occupied as an office-furniture manufactory. The building Nos. 255 and 257 was considerably damaged, and No. 259 slightly. The first alarm was received at 6.06 A. M., and at 6.15 and 6.18 A. M., respectively, second and third alarms were sent, and subsequently special calls for four engine and two hook and ladder companies. The fire required the services of twelve engine and four hook and ladder companies, and was under control in one and one-half hours. There was a perceptible scarcity of water. The cause of the fire was a defect in the insulation of electric light wires, and the estimated loss amounted to \$99,350.

February 28.—Nos. 34 to 38 Thompson street, a six-story brick building, 75 by 100 feet, occupied by dealers in lace goods. The fire originated between the ceiling of the third story and the floor of the fourth story, and extended through the elevator shaft to the sixth floor, slightly damaging the building. The first alarm was received at 4.17 A. M., and at 4.25 and 4.38 A. M., respectively, second and third alarms were sent, and subsequently special calls for two engine companies. The fire had gained considerable headway before its discovery and the sending of the alarm. It required the services of ten engine, four hook and ladder companies, and one water-tower, and was under control in about one hour. The scarcity of water at this fire was very noticeable, the companies on Thompson street being unable to obtain a sufficient quantity to give a stream of water on the fourth floor. The fire was caused by rats or mice gnawing matches, and the estimated loss amounted to \$50,000.

March 4.—No. 392 Broadway, a five-story brick marble front building, 25 by 150 feet, occupied by dealers in woolen goods. The fire originated on the second floor and extended through the rear stairway and two light shafts, in the centre of the building, each about 8 by 20 feet, to all the upper floors before it was discovered. The building was considerably damaged. The iron shutters on the rear windows were so fastened as to considerably retard their opening, with the result that, when finally opened, the fire had entire control of the rear part of the building on each floor above the first. The alarm was first received from the automatic instrument on the second floor of the building at 7.02 P. M., and upon the arrival of the first assignment the fire had full control of the entire building from the first floor up. At 7.06 P. M. Station 125 was sent, followed at 7.10 and 7.11 P. M., respectively, by second and third alarms, and later by special calls for ten engines and one hook and ladder company. Engine Company No. 18 was ordered to locate in quarters of Engine Company No. 7, and Engine Company No. 5 in quarters of Engine Company No. 17, until the return of those companies to their quarters.

Engine Companies Nos. 25 and 32 were held in reserve at the fire, which required the services of sixteen engine, four hook and ladder companies and one water tower, and was under control in about two hours. There was the usual scarcity of water at this fire. The cause was not ascertained, and the loss is estimated at \$247,271.

Chief of Battalion Joseph F. McGill, while at work with lines on stairway, was thrown down by back draught and received severe injuries.

July 8.—No. 141 Chambers street, a five-story brick building, 25 by 100 feet, occupied by a willowware dealer. The fire originated on the fourth floor and extended to the fifth floor, slightly damaging the building. The first alarm was received at 7:14 P.M., and at 7:20 and 7:47 P.M., respectively, second and third alarms were ordered, and subsequently special calls for two engine companies and one hook and ladder company. The fire required the services of nine engine and four hook and ladder companies, and one water tower, and was under control in about one hour. The loss was estimated at \$22,600. It was caused by rats gnawing matches.

July 15.—Nos. 1, 2, 3 and 4 East street, a three-story brick building, 100 by 250 feet, occupied by the Madison, Chambers and Grand Street Railway Company as stables. The fire originated on the third floor and extended throughout the building. Because of the delay in giving the alarm and of the combustible nature of the contents, the fire had entire control of the building on the arrival of the first assignment of the force. The first alarm was received at 1.54 P. M., and at 2 P. M. a third alarm was ordered, and subsequently a special call for one engine and one hook and ladder company. The fire required the services of sixteen engine and five hook and ladder companies, and was under control in about one hour. The loss was estimated at \$5,500. The cause could not be definitely ascertained. It is probable that it originated from heating of baled hay.

July 18.—Nos. 195 to 199 Broadway, an eleven-story brick, stone and iron building, 75 by 150 feet, and 180 feet in height to the top of the mansard roof, occupied by the Western Union Telegraph Company. The fire originated in the battery-room on the seventh floor, and extended through openings left in the floors for wires, to the operating rooms, Associated Press rooms, storerooms for dispatches and the kitchens and sleeping apartments for the employees, all of which were on the upper floors of the building and contained a large quantity of combustible material, causing the fire to burn fiercely and rapidly, and cutting off all means of escape for those on the upper floors. The first alarm was received at 7.04 A. M., and on the arrival of the first assignment of the force it was found to be beyond control, the employees in the building having been at work for at least twenty minutes trying to extinguish the fire with fire-extinguishers and other appliances, before giving the alarm. Several of the employees were driven to the roof of the building by the heat and smoke, and on the arrival of Hook and Ladder Companies Nos. 10, 1 and 15, were seen in the upper part of the building calling for assistance. These companies immediately proceeded to the roofs of the adjoining buildings, and by means of ladders raised there succeeded in rescuing about ten of the employees, including several females, bringing them safely down the ladders. Hook and Ladder Company No. 15 shot life-lines by gun to those who were at the time cut off from escape.



but the lines were not used, the endangered persons having in the meantime been taken down the ladders. At 7.10, 7.14 and 7.34 A. M., respectively, second, third and fourth alarms were ordered. The water-tower was placed in service, but was not effective on account of the great height of the building. The fire had consequently to be fought from floor to floor, commencing at the seventh and going up to the eleventh floor, it being impossible to reach it effectively with outside streams and the conditions generally were such, as to make it very difficult to work the Department forces to advantage. The fire required the services of nineteen engine companies (using an aggregate of twelve thousand feet of hose), six hook and ladder companies and one water-tower, and it was under control in about three hours. Some of the engines were too light to force water to the required height and were disabled under the strain. The supply of water was very poor, eleven of the companies reporting no water pressure on the hydrants when opened. The loss was estimated at \$65,010. The fire was caused by the overcharging of a short circuit telegraph wire, igniting the insulation.

August 17.—South side of One Hundred and Eighth street, between Ninth and Tenth avenues, a two-story brick building, 75 by 100 feet, occupied by the Lion Brewery as stables. The fire originated on the first floor and extended throughout the building, considerably damaging it. The first alarm was received at 9.43 P. M., and the fire had considerable headway on the arrival of the first companies because the alarm was not promptly given; at 9.53 P. M. a third alarm was ordered, and afterwards special calls for five engine and one hook and ladder companies. The fire required the services of ten engine and three hook and ladder companies, and was under control in about one hour. One of the companies reported no pressure of water on the hydrant. The loss was estimated at \$34,045, and the cause was not ascertained; probably heating of baled hay.

September 3.—Nos. 227 and 229 East Fifty-sixth street, a five-story brick building, 50 by 50 feet, occupied as a cornice manufactory. The fire originated in the cellar and extended up the stairway to the roof, considerably damaging the building. The first alarm was received at 7.01 A. M. The fire had considerable headway on the arrival of the first companies, and at 7.04 A. M. a second alarm was ordered, followed at 7.07 and 7.20 A. M., respectively, by third and fourth alarms. A special call for a water-tower was sent, and the fire required the services of fifteen engine and five hook and ladder companies, and was under control in about two hours. After the fire had been extinguished the body of an employee, who had been burned to death, was found in the cellar. The loss was estimated at \$25,500. The cause was carelessness of an employee handling roof paint. The boy who lost his life had dipped his fingers in the paint and then held them to the gas. In endeavoring to get the burning paint off his hand it was thrown on the floor, where it ignited leakage, and explosion of barrel followed.

September 8.—No. 71 John street, a four-story brick building, 25 by 100 feet, occupied as a plated-ware manufactory. The fire originated on the first floor and extended by stairway to the roof, considerably damaging the building. The first alarm was received at 8.03 P. M., and, the fire having spread very rapidly, second and third alarms were sent at 8.14 and 8.28 P. M. The fire required the services of ten engine and three hook and ladder companies and one water-tower, and was under control in about one hour. The loss was estimated at \$33,100. The cause was rats gnawing matches.

September 10.—Nos. 179 and 181 East One Hundred and Twenty-fourth street, extending through to One Hundred and Twenty-fifth street, a two-story brick building 50 by 200 feet, occupied as a dry goods and notion store. The fire is supposed to have originated on the second floor and extended through a large light-shaft in the centre of the building to the first floor and basement. This building was locked up for the night when the fire occurred, which extended throughout it before any attempt was made to send out an alarm. The first alarm was received at 7.05 P. M. As the fire was burning very fiercely when the first companies arrived, and because the stage of the Harlem Theatre abutted against the building, second and fourth alarms were sent, respectively, at 7.07 and 7.09 P. M. The fire required the services of ten engine and four hook and ladder companies, and was under control in one hour. The water pressure was good. The loss was estimated at \$64,275, and the cause could not be ascertained; it is thought that it originated from electric current carried into the building through a cross with a telephone wire.

October 18, 4.44 P. M.—Nos. 191 and 193 Chrystie street, a five-story brick building, 50 by 125 feet, occupied as a coffin manufactory. The fire originated in the cellar and extended by shaving shute, belt holes, etc., throughout the entire building, considerably damaging it. In consequence of the failure to promptly send the alarm the fire had complete control of the building on the arrival of the force. The private appliances for extinguishing fires on the premises had evidently been used and abandoned. The fire required the services of fourteen engine, three hook and ladder companies and one water-tower, and was under control in two hours. The cause was not ascertained and the loss was estimated at \$9,275.

November 12, 4.11½ P. M.—No. 256 Pearl street, a six-story brick building, 25 by 75 feet, occupied as a printing establishment. The fire originated on the third floor, and extended to the sixth floor, considerably damaging the building. It extended to Nos. 252 and 254 Pearl street, both six-story brick buildings, each 25 by 75 feet, and both occupied as printing establishments. No. 252 was slightly, and No. 254 was considerably damaged. As the upper floors of these buildings were connected by open archways the fire readily communicated to the buildings on either side, so that upon the arrival of the force the fire was found on the third, fourth, fifth and sixth floors of No. 256, and also in the sixth floor of Nos. 252 and 254. The fire required the services of nine engine and four hook and ladder companies, and was under control in about two hours. It was caused by a kerosene lamp falling. The fastening in ceiling, from which the lamp was suspended, gave way. Estimated loss, \$45,150.

December 3, 5.35 P. M.—No. 57 Leonard street, a five-story brick marble front building, 25 by 75 feet, occupied as a tobacco-pipe manufactory. The fire originated on the third floor and extended by the stairway to the fifth floor, considerably damaging the building. On the arrival of the force the fire had extended to the upper part of the building. It required the services of twelve engine, four hook and ladder companies and one water-tower, and was under control in about two hours. The cause was combustion of celluloid pipe stems produced by heat from chimney flue. The loss was estimated at \$73,500.

December 4, 6.56 A. M.—Nos. 103 and 105 Mott street, a seven-story brick building, 50 by 100 feet, occupied as a spring-bed manufactory. The fire originated on the third floor and extended by stairway, elevator shafts, etc., to the seventh floor, considerably damaging the building. It required the services of eighteen engine, five hook and ladder companies and one water-tower, and was under control in about two hours. The cause was vapor from varnish igniting from gas-jet, and the estimated loss was \$55,000.

December 5, 9.36 P. M.—Nos. 224 to 232 West Twenty-sixth street, a five-story brick building, 100 by 100 feet, occupied as a corset manufactory. The fire originated on the fourth floor, and extended by stairway to the second, third and fifth floors, considerably damaging the building. It required the services of fifteen engine, five hook and ladder companies and one water tower, and was under control in about two hours. The cause was not ascertained, and the loss was estimated at \$149,450.

December 11, 1.04 A. M.—No. 507 Broadway, a five-story brick iron front building, 50 by 200 feet, occupied as a cloak manufactory. The fire originated on the fifth floor and was confined to that floor. The building was slightly damaged. It required the services of eleven engine, four hook and ladder companies and one water tower, and was under control in about one hour. The alarm for this fire was sent out by the automatic instrument in the building, and on the arrival of the force the extra alarms were sent from the street boxes. The cause was heat from steam pipes igniting woodwork, and the loss was estimated at \$74,000.

December 15, 10.27 P. M.—Nos. 328 and 330 West Fortieth street, a four story brick building, 50 by 75 feet, occupied as a carpenter shop. The fire originated on the first floor, and on the arrival of the force was found to have extended throughout the building and to the following buildings: No. 332 West Fortieth street, a five-story brick building, 25 by 70 feet; No. 326 West Fortieth street, a five-story brick building, 25 by 70 feet; No. 327 West Thirty-ninth street, a four-story brick building, 20 by 30 feet; Nos. 329 and 331 West Thirty-ninth street, each four-story brick buildings, 20 by 40 feet, all occupied as tenements. The buildings on Fortieth street were considerably and those on Thirty-ninth street slightly damaged. The fire required the services of ten engine and three hook and ladder companies, and was under control in about three hours. It was caused by sparks from the furnace lodging between top of boiler and beams of ceiling, igniting rubbish accumulated there. The estimated loss was \$18,775.

December 22, 5.53 A. M.—Nos. 330 to 334 West Fourteenth street, a two-story brick, brown-stone front building, 75 by 125 feet, occupied as a church. The fire originated on the first floor and extended through the stud partition in the rear of the altar into the cock-loft and through the roof. Owing to the delay in sending the alarm the fire had gained great headway before the arrival of the force, and the building was considerably damaged. The fire required the services of ten engine and four hook and ladder companies, and was under control in about two hours. It was caused by steam pipes igniting woodwork, and the estimated loss was \$69,000.

December 31, 3.15 A. M.—West Washington Market (Thirteenth avenue, Bloomfield, West and Gansevoort streets), in the building located between Thirteenth, Lawton, Hewitt and Loew avenues, a three-story brick building, 60 by 200 feet, occupied as a public market. The fire originated on the first floor, and owing to the peculiar construction of the building and to the delay in sending the alarm, when the force arrived it had extended through openings in the light shafts to the third floor, which is an open cock-loft without dividing walls, and thence through the roof, considerably damaging the building. The fire required the services of ten engine and three hook and ladder companies, and was under control in about one and one-half hours. It was caused by heat from stove igniting woodwork, and the estimated loss was \$12,700.

#### Water Consumption.

As nearly as can be estimated 28,357,250 gallons of water were used by the land engines of the Department in extinguishing fires, including the quantity taken from the rivers; and in addition thereto an estimated quantity of 4,252,000 gallons of river water was used by the two floating engines, making an aggregate of 32,609,250 gallons.

#### Meritorious Services.

The following rescues at fires, involving personal risk, were reported and recorded on the Roll of Merit:

Engineer of Steamer William R. Massey and Fireman 1st grade Richard Hyde, of Engine Company No. 56, rescued James Warder, his wife and son, from the burning building, No. 100 West Seventy-ninth street, at 1.42 A. M., on March 30. On the arrival of the company at the fire the inmates were hanging out of the windows of the fifth floor. The fire originated on the second floor and was then extending upwards. Engineer Massey and Fireman Hyde each took a scaling ladder from the tender, and the former, with the assistance of some of the members of Engine Company No. 40, climbed up the front of the building, while Hyde, single-handed, went up the rear to the roof, returning thence to the fifth floor, from whence he and Engineer of Steamer Massey conveyed the Warder family to the roof of the adjoining building. In the opinion of the Chief of the Tenth Battalion, who witnessed the rescue, both of the rescuers incurred considerable personal risk, Fireman Hyde's right arm being burned from the wrist to the elbow.

Foreman Thomas J. Ahearn, commanding Engine Company No. 5, at the fire which occurred at the Consolidated Gas Works, on Twenty-first street, between Avenue A and the East river, on the morning of July 23, seeing an apparently lifeless body of a man lying near the naphtha tank, which was then on fire and where an explosion had occurred, crawled under the flames which swept over him, and dragged the man out to a place of safety. The man, whose name was ascertained to be James Devoe, was found to be alive but severely burned, and was sent to the hospital where he died a few hours after. The Chief of the Eighth Battalion, who reported this rescue, stated that it was accomplished at great personal risk and that it was a very gallant act, there being at the time a strong likelihood that a storage tank of naphtha near by would explode.

Fireman 1st grade Bernard C. Blair, of Engine Company No. 9, being informed at the time of the arrival of his company at the fire, No. 29 Catharine street, on August 7, that there were people in the burning building, proceeded by the stairway to the second floor and there found Mr. and Mrs. John Barber, respectively about seventy years of age, in a rear room. He was compelled to force them to the head of the stairs, and finding that exit cut off by dense smoke, he dragged them through the window to the rear extension and through a building to the street.

#### Life-saving Corps and School of Instruction.

The company drills and instruction commenced in 1888, as noted in the report for that year, were continued during the past year, and the instructor's rating at the close of the year was as follows:

First-class—Found proficient and active: Engine Companies Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 47, 53, 54, 55, 56. Second section of Engine Companies Nos. 5, 12, 31 and 33. Hook and Ladder Companies Nos. 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 20. Second-class—Found deficient: Engine Companies Nos. 22, 42, 45, 46, 48, 50 and 52, and second sections of Engine Companies Nos. 13, 16, 18, 26 and 27. Hook and Ladder Co. No. 19.

#### Casualties.

The number of human lives lost and persons injured at fires, and in responding to alarms for fires, are reported as follows:

	MEMBERS OF THE DEPARTMENT.	OTHERS.		TOTAL.
		Before Arrival of Department.	After Arrival of Department.	
Killed or fatally injured at fires.....	..	15	..	15
“ responding to alarms.....	1	..	..	1
Injured at fires.....	111	116	2	229
“ responding to alarms.....	43	3	..	46
Aggregate.....	155	134	2	291

#### Rope Fire-escapes in Hotels.

The Chief of Department's report of the semi-annual inspections of hotels required by chapter 720 of the Laws of 1887 showed the following:

In January, 300 were inspected, of which number 83 had not complied with the law. In July, 296 were inspected, of which number 77 had not complied with the law. The reports were forwarded to the Mayor shortly after the inspections were made.

Strength of Uniformed Force, Number of Fires, with Losses, Population, Number of Buildings, etc., from 1866 to 1890.

YEAR.	STRENGTH OF UNIFORMED FORCE.		Number of Fires.	Loss by Fire.	Average Loss by Fire.	Population.	Census Year.	Number of Inhabitants to each Fire.	Number of Buildings.	Number of Buildings to each Fire.
	No. of Companies.	No. of Officers and Men.								
1866.....	54	*964	796	\$6,428,000 00	\$8,075 38	1769,553	967	164,000	80	..
1867.....	54	*919	873	5,711,000 00	6,541 81	..	..	..	..	..
1868.....	52	592	740	4,342,000 00	5,867 57	..	..	..	..	..
1869.....	52	599	850	2,696,393 00	3,172 23	..	..	..	..	..
1870.....	52	596	964	2,120,212 00	2,199 39	942,292	977	..	..	..
1871.....	52	596	1,258	2,127,356 00	1,691 06	..	..	..	..	..
1872.....	52	596	1,649	2,891,818 00	1,753 67	..	..	..	..	..
1873.....	54	651	1,470	4,022,640 00	2,736 48	..	..	..	..	..
1874.....	64	*712	1,355	1,430,306 00	1,055 58	..	..	..	..	..
1875.....	67	748	1,418	2,472,536 00	1,742 67	1,041,286	734	184,200	59	..
1876.....	68	747	1,382	3,851,213 00	2,786 70	..	..	..	..	..
1877.....	65	752	1,450	3,210,695 00	2,214 27	..	..	..	..	..
1878.....	65	747	1,654	1,884,505 00	1,139 36	..	..	..	..	..
1879.....	64	729	1,551	5,671,580 00	3,656 72	..	..	..	..	..
1880.....	63	748	1,783	3,183,440 00	1,785 44	1,206,299	676	..	..	..
1881.....	66	769	1,785	5,820,259 00	3,260 55	..	..	..	..	..
1882.....	67	826	2,001	4,195,960 00	2,096 43	..	..	1102,624	51	..
1883.....	63	895	2,169	3,512,848 00	1,619 37	..	..	1101,735	47	..
1884.....	70	919	2,406	3,474,547 00	1,444 12	..	..	..	..	..
1885.....	71	927	2,479	3,799,283 00	1,528 55	..	..	1104,250	42	..
1886.....	71	951	2,415	3,340,810 00	1,383 35	..	..	..	..	..
1887.....	74	960	2, 29	5,585,425 00	1,917 28	..	..	..	..	..
1888.....	74	1,040	3,217	5,485,922 00	1,705 29	..	..	**112,000	35	..
1889.....	76	1,039	2,836	4,142,777 00	1,460 78	..	..	**114,500	40	..
1890.....	77	1,041	3,479	4,168,165 00	1,198 09	1,515,301	436	\$8115,011	..	..
Total, 25 years.....	44,909	995,559,690 00	\$2,127 85	..	..	..	..	..	..	..

\* Including about 400 volunteer firemen.

† Estimate based on census of 1865.

‡ Estimate based on report of Department of Buildings.

§ Annexation of territory north and east of Harlem river.

\*\* As estimated by the Bureau of Inspection of Buildings.

|| As per enumeration.

‡‡ United States Census. An enumeration made under direction of the Mayor shows the population to be 1,715,721.

§§ As per enumeration. Sheds included.



## ENUMERATION OF BUILDINGS, ETC.

The insurance maps, published by Messrs. Perris & Browne, No. 55 Liberty street, were used in making the subjoined enumeration and classification of structures. A considerable number of buildings were found adjoining each other which had originally been constructed separately and connected afterwards by doors, archways, etc. Each of such groups of buildings, whatever their number, or however diverse their age or character of construction, is in this enumeration counted as one structure. South of Fifty-ninth street many old small buildings have been removed to make place for large new structures. The decrease in the number of buildings in the lower part of the city since the enumeration made in 1885 is thus largely accounted for.

## Enumeration and Classification of Buildings.

MATERIALS BUILT OF.	OCCUPIED FOR—	NUMBER OF STORIES.	LOCATION.	DISTRICT.													TOTAL.
				1st.	2d.	3d.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	13th.	
Built of brick, stone, iron or other non-inflammable materials, except as to flooring, trimmings, doors, sashes, etc.	Business purposes, exclusively....	Four or less.....	On street....	21	1	...	3	11	14	...	3	2	...	...	...	...	55
			In rear....	...	...	...	...	3	1	1	...	...	...	...	...	...	5
		More than four..	On street....	89	3	8	2	37	9	1	3	...	...	...	...	...	152
			In rear....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total.....			110	4	8	5	51	24	2	6	2	...	...	...	...	212
	Business and dwelling purposes....	Four or less.....	On street....	...	...	...	...	...	3	...	...	...	...	...	...	...	3
			In rear....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		More than four..	On street....	...	...	...	...	...	7	2	10	...	...	...	...	...	19
			In rear....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total.....			...	...	...	...	...	10	2	10	...	...	...	...	...	22
	Dwelling purposes, exclusively....	Four or less.....	On street....	...	...	...	...	...	10	1	2	...	...	...	...	...	13
			In rear....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		More than four..	On street....	...	...	...	...	...	21	3	11	...	...	...	...	...	35
			In rear....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total.....			...	...	...	...	...	31	4	13	...	...	...	...	...	48
	Sheds.....			...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bridges.....			1	...	...	...	...	...	...	...	1	...	2	...	...	4
	Piers.....			1	...	...	...	...	...	...	...	...	...	...	2	...	3
Total.....				112	4	8	5	51	65	8	29	3	...	2	...	2	289
Walls of brick, stone, iron, or other non-inflammable materials; floor beams, partitions, stairways, etc., of wood or other inflammable material....	Business purposes, exclusively....	Four or less.....	On street....	1,122	286	250	636	1,390	1,634	108	348	142	269	218	17	85	6,505
			In rear....	36	73	14	218	563	742	31	105	23	49	56	15	...	1,725
		More than four..	On street....	1,336	279	772	431	470	282	8	60	10	20	16	...	...	3,684
			In rear....	4	...	...	33	2	6	...	...	...	...	...	...	...	45
	Total.....			2,498	638	1,036	1,318	2,425	2,464	147	513	175	338	290	32	85	11,959
	Business and dwelling purposes....	Four or less.....	On street....	483	737	154	2,307	4,053	4,419	140	1,465	153	891	381	10	30	15,203
			In rear....	46	15	1	49	36	33	...	6	...	7	1	...	...	194
		More than four..	On street....	285	182	16	2,557	2,114	2,147	648	1,347	263	669	155	2	5	10,390
			In rear....	7	...	1	4	...	...	...	...	...	...	...	...	...	12
	Total.....			821	934	172	4,917	6,203	6,599	788	2,818	416	1,547	537	12	35	25,799
	Dwelling purposes, exclusively....	Four or less.....	On street....	11	474	13	1,330	6,151	10,414	3,075	5,708	829	4,876	1,303	57	47	34,288
			In rear....	9	148	8	782	754	723	10	60	4	14	12	3	...	2,527
		More than four..	On street....	13	38	...	392	1,023	2,162	805	1,498	235	797	87	...	...	7,050
			In rear....	7	11	1	285	83	25	1	1	...	...	...	...	...	414
	Total.....			40	671	22	2,789	8,011	13,324	3,891	7,267	1,068	5,687	1,402	60	47	44,279
	Sheds.....			...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bridges.....			...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Piers.....			...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total.....				3,359	2,243	1,230	9,024	16,639	22,387	4,826	10,598	1,659	7,572	2,229	104	167	82,037
Built mainly of wood or other inflammable materials	Business purposes, exclusively....	Four or less.....	On street....	9	50	16	189	401	759	133	468	431	263	1,792	437	53	5,001
			In rear....	36	67	31	372	538	851	161	473	426	328	1,895	524	...	5,702
		More than four..	On street....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			In rear....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total.....			45	117	47	561	939	1,610	294	941	857	591	3,687	961	53	10,703
	Business and dwelling purposes....	Four or less.....	On street....	51	375	50	953	472	592	155	226	287	344	1,307	125	8	4,945
			In rear....	3	3	1	54	30	76	...	18	12	13	14	...	...	224
		More than four..	On street....	...	...	...	...	...	...	10	...	...	...	...	...	...	10
			In rear....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total.....			54	378	51	1,007	502	668	165	244	299	327	1,321	125	8	5,179
	Dwelling purposes, exclusively....	Four or less.....	On street....	7	238	2	344	377	2	544	635	1,064	1,044	6,446	1,069	81	11,853
			In rear....	2	43	7	137	272	...	302	242	182	83	204	42	...	1,516
		More than four..	On street....	...	...	...	...	...	386	...	...	...	...	...	...	...	386
			In rear....	...	...	...	...	...	633	...	...	...	...	...	...	...	633
	Total.....			9	281	9	481	649	1,021	846	877	1,246	1,127	6,650	1,111	81	14,388
	Sheds.....			128	71	11	207	460	393	43	237	40	188	452	135	57	2,422
	Bridges.....			4	...	...	2	...	12	...	12	5	19	17	13	...	84
	Piers.....			54	17	...	37	44	45	7	5	4	17	21	3	23	277
Total.....				294	864	118	2,295	2,594	3,749	1,355	2,316	2,451	2,299	12,148	2,348	222	33,053
Aggregate.....				3,765	3,111	1,356	11,324	19,284	26,201	6,189	12,043	4,113	9,871	14,379	2,452	391	115,377







ORIGIN.	CAUSE.							PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—														Aggregate Loss to Structures and Contents.	
	Accidental.	Carelessnes.	Defective Buildings and Construction.	Mischievousness.	Maliciousness.	Incendiarism.	Not ascertained.	Total.	Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Storehouses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Piers, Docks, Ferry-houses, etc.	Vessels.	Miscellaneous.		Total.
Sparks from stoves, chimneys, stove-pipes, etc., igniting woodwork, clothing, etc....	28 \$4,457	22 \$6,571	..	..	..	..	..	50 \$11,028	32 \$4,526	3 \$2,547	11 \$3,800	..	..	..	2 \$125	..	..	..	1 \$10	..	1 \$20	50 ..	\$11,028
Steam pipes igniting floor beams, woodwork, etc....	5 \$165,920	1 \$1,345	..	..	..	..	..	6 \$167,265	1 \$14,825	3 \$75,395	1 \$8,075	..	..	..	..	..	1 \$6,900	..	..	..	..	6 ..	167,265
Stoves, boilers, furnaces, stove and heater pipes igniting bedding, clothing, woodwork, etc.....	64 \$74,022	94 \$37,258	1 \$1,075	..	..	..	..	159 \$112,355	94 \$18,903	26 \$43,785	25 \$19,047	3 \$5,650	4 \$24,275	..	1 \$300	..	2 \$365	..	..	1 \$30	159 ..	112,355	
Stoves, furnaces and grates, hot coals falling from.....	35 \$10,241	6 \$1,077	..	..	..	..	..	41 \$11,318	32 \$9,020	3 \$41	4 \$2,255	1 ..	..	..	..	..	..	..	1 \$2	..	41 ..	11,318	
Stove upsetting.....	4 \$155	1 \$225	..	..	..	..	..	5 \$380	2 \$5	..	..	..	1 \$225	..	1 ..	..	..	..	..	1 \$150	5 ..	380	
Water-back of range bursting	1 \$5	..	..	..	..	..	..	1 \$5	1 \$5	..	..	..	..	..	..	..	..	..	..	..	1 ..	5	
Total number of fires..	137	405	75	..	..	..	..	618	472	51	56	9	11	1	4	..	6	..	2	1	5	618	
Total loss.....	\$254,800	\$52,688	\$105,162	..	..	..	..	\$412,650	\$99,773	\$131,563	\$39,212	\$7,420	\$24,655	..	\$425	..	\$109,390	..	\$12	..	\$200	..	\$412,650
<i>In Illuminating.</i>																							
Electric-lights, sparks from..	38 \$160,545	1 \$35	..	..	..	..	..	39 \$160,580	1 \$150	15 \$40,039	6 \$115,995	4 \$3,975	3 \$35	..	..	8 \$386	..	..	..	..	2 ..	39 ..	\$160,580
Gas-meters, explosion of.....	2 \$275	..	..	..	..	..	..	2 \$275	..	1 \$55	..	..	..	1 \$220	..	..	..	..	..	..	2 ..	275	
Gas escaping and igniting....	37 \$16,669	31 \$6,812	..	..	..	..	2	70 \$23,481	42 \$8,005	10 \$9,347	7 \$5,645	1 \$450	4 \$34	..	1 ..	..	..	1 ..	..	..	4 ..	70 ..	\$23,481
Gas-lights, candles, lamps, etc., igniting merchandise in stores, show-windows, and bedding, straw, woodwork, rubbish, etc.....	45 \$10,018	315 \$118,919	..	..	1 \$5	..	..	361 \$128,942	265 \$41,211	36 \$65,713	29 \$20,882	1 \$3	12 \$616	..	..	10 \$25	3 \$335	..	..	1 \$125	4 \$32	361 ..	128,942
Lamps, gasoline exploding, taking fire, etc.....	1 \$100	..	..	..	..	..	..	1 \$100	..	1 \$100	..	..	..	..	..	..	..	..	..	..	1 ..	100	
Lamps, kerosene oil, breaking	5 \$620	1 ..	..	..	3 \$100	..	..	9 \$720	8 \$345	..	1 \$375	..	..	..	..	..	..	..	..	..	9 ..	720	
Lamps, kerosene oil, exploding.....	194 \$31,365	..	..	..	..	..	..	194 \$31,365	180 \$25,673	4 \$4,175	5 \$67	1 \$50	2 \$700	..	1 ..	..	..	..	..	1 \$300	194 ..	31,365	
Lamps, kerosene oil, falling..	58 \$51,263	24 \$1,558	..	..	1 ..	..	..	83 \$52,421	77 \$6,645	3 \$376	2 \$45,400	..	..	..	..	..	1 ..	..	..	..	83 ..	52,421	
Lamps, kerosene oil, upsetting	15 \$5,084	13 \$2,629	..	..	..	..	..	28 \$7,713	22 \$1,828	3 \$2,115	1 \$1,010	..	..	..	2 \$2,760	..	..	..	..	..	28 ..	7,713	
Lamps, kerosene oil, taking fire.....	20 \$683	..	..	..	..	..	..	20 \$683	14 \$633	1 \$50	2 ..	1 ..	..	..	..	..	..	..	..	2 ..	22 ..	683	
Matches, lighted tapers, etc., igniting clothing, woodwork, rubbish, etc.....	8 \$315	171 \$154,304	..	..	..	..	..	179 \$154,619	127 \$36,190	22 \$97,282	16 \$17,570	2 400	4 117	..	3 \$1,550	2 \$1,500	2 ..	..	..	1 \$10	179 ..	154,619	
Total number of fires..	423	556	..	..	5	..	2	986	736	96	69	10	25	1	7	20	6	1	..	2	13	986	
Total loss.....	\$276,937	\$283,857	..	..	\$105	..	..	\$560,899	\$120,680	\$219,202	\$207,394	\$4,878	\$1,502	\$220	\$4,310	\$1,911	335	..	425	42	..	\$560,899	
<i>In Manufacturing and Other Business.</i>																							
Alcohol, tar, gum, oils, paints, varnish, etc., igniting on stoves, furnaces, over gas-lights, etc.....	40 \$61,666	5 \$8,355	..	..	..	..	..	45 \$70,021	4 \$7,465	6 \$975	23 \$42,064	..	7 \$1,112	..	1 \$9,400	..	..	..	..	..	3 \$5	45 ..	\$70,021
Barrel of varnish exploding..	..	..	..	..	..	..	1 \$4,500	1 \$4,500	..	..	..	..	..	..	..	..	..	..	..	..	1 ..	4,500	
Charcoal fire igniting woodwork.....	2 \$3,400	1 \$2,250	..	..	..	..	..	3 \$5,650	..	..	3 \$5,050	..	..	..	..	..	..	..	..	..	3 ..	5,650	
Chimneys, flues, etc., heat from igniting woodwork..	..	..	7 \$3,355	..	..	..	..	7 \$3,355	..	..	6 \$3,345	..	1 \$10	..	..	..	..	..	..	..	7 ..	3,355	
Foul chimneys.....	..	22 \$5	..	..	..	..	..	22 \$5	3 ..	..	16 \$5	..	3 ..	..	..	..	..	..	..	..	22 ..	5	
Friction of machinery.....	8 \$4,700	..	..	..	..	..	..	8 \$4,700	..	..	8 \$4,700	..	..	..	..	..	..	..	..	..	8 ..	4,700	
Gas stoves, gas-lights, igniting woodwork, paper, merchandise, etc.....	5 \$1,975	4 \$7,645	..	..	..	..	..	9 \$9,620	2 \$165	1 \$10	4 \$8,645	..	2 \$800	..	..	..	..	..	..	..	9 ..	9,620	
Gas, explosion of.....	1 \$300	..	..	..	..	..	..	1 \$300	..	..	1 \$300	..	..	..	..	..	..	..	..	..	1 ..	300	
Hams, meats, etc., in ovens and smoke-houses, igniting.....	3 \$1,150	..	..	..	..	..	..	3 \$1,150	..	..	2 \$1,050	..	1 \$100	..	..	..	..	..	..	..	3 ..	1,150	
Hot metals igniting woodwork, merchandise, etc....	4 \$2,015	1 ..	..	..	..	..	..	5 \$2,015	3 \$1,815	..	2 \$200	..	..	..	..	..	..	..	..	..	5 ..	2,015	
Inflammable material, ignition of.....	3 \$5,225	..	..	..	..	..	..	3 \$5,225	..	1 ..	2 \$5,225	..	..	..	..	..	..	..	..	..	3 ..	5,225	
Kerosene oil stoves bursting, taking fire, etc.....	2 ..	1 \$15	..	..	..	..	..	3 \$15	..	..	3 \$15	..	..	..	..	..	..	..	..	..	3 ..	15	
Lamp, alcohol, kerosene, igniting woodwork.....	2 \$20	..	..	1 \$5	..	..	..	3 \$25	..	..	1 \$20	..	..	..	1 ..	..	..	..	..	1 \$5	3 ..	25	
Lime, slaking of.....	5 \$4,501	..	..	..	..	..	..	5 \$4,501	..	3 \$4,501	..	..	..	..	..	..	..	..	..	..	5 ..	4,501	
Naphtha, gasoline and benzine vapor igniting.....	10 \$65,390	6 \$1,670	..	..	..	..	..	16 \$67,060	..	5 \$3,870	9 \$62,340	1 \$50	..	..	..	..	..	..	..	1 \$800	16 ..	67,060	
Phosphorus igniting.....	4 \$300	..	..	..	..	..	..	4 \$300	..	3 \$250	1 \$50	..	..	..	..	..	..	..	..	..	4 ..	300	
Soot in stove-pipes, fire-places, chimneys, etc....	2 \$685	..	..	..	..	..	..	2 \$685	..	..	2 \$685	..	..	..	..	..	..	..	..	..	2 ..	685	
Scenery in theatres igniting from gas-lights, etc.....	1 ..	..	..	..	..	..	..	1 ..	..	..	..	..	..	..	1 ..	..	..	..	..	..	1 ..	..	
Sparks from chimneys, forges, furnaces, engines, steamships, locomotives, etc., igniting roofs, shavings, woodwork, etc.....	138 \$102,543	10 \$11,015	..	..	..	..	..	148 \$113,558	22 \$1,439	48 \$21,091	38 \$43,536	1 \$5	15 \$2,127	..	3 \$2,102	1 \$6	..	2 \$3,500	2 \$375	3 \$39,000	13 \$377	148 ..	113,558
Spontaneous combustion of oily rags, etc.....	15 \$19,680	25 \$156,070	..	..	..	..	..	40 \$175,750	2 ..	4 \$3,155	28 \$174,190	1 \$5	1 \$250	..	..	..	..	..	..	3 \$150	..	40 ..	175,750
Steam-pipes igniting merchandise.....	5 \$139,175	1 ..	..	..	..	..	..	6 \$139,175	..	..	6 \$139,175	..	..	..	..	..	..	..	..	..	6 ..	139,175	
Stoves, boilers, furnaces, ovens, etc., igniting merchandise, shavings, etc....	34 \$105,592	18 \$12,903	..	..	..	..	..	52 \$118,495	4 \$1,107	1 \$7,050	39 \$105,073	..	4 \$3,565	..	1 ..	..	..	1 \$1,700	..	..	52 ..	118,495	
Stoves, furnaces, etc., hot coals falling from.....	23 \$8,252	3 \$235	..	..	..	..	..	26 \$8,487	2 \$150	4 \$1,285	17 \$4,317	..	2 \$35	..	1 \$2,700	..	..	..	..	..	26 ..	8,487	
Telegraph wires becoming overcharged and igniting insulation.....	2 \$65,080	..	..	..	..	..	..	2 \$65,080	..	..	..	2 \$65,080	..	..	..	..	..	..	..	..	2 ..	65,080	
Total number of fires..	309	97	7	1	..	..	1	415	43	76	211	5	36	1	6	4	..	3	2	8	20	415	
Total loss.....	\$591,649	\$200,163	\$3,355	\$5	..	..	\$4,500	\$799,672	\$16,641	\$42,187	\$598,585	\$65,135	\$16,754	\$250	\$14,202	\$6	..	\$5,200	\$375	\$39,950	\$387	..	\$799,672



ORIGIN.	CAUSE.							PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—														Aggregate Loss to Structures and Contents.	
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischievousness.	Maliciousness.	Incendiarism.	Not ascertained.	Total.	Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Storehouses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Piers, Docks, Ferry-houses, etc.	Vessels.	Miscellaneous.		Total.
Miscellaneous.																							
Benzine and naphtha vapor igniting.....	1	4	..	1	..	..	..	6	5	..	..	..	..	..	..	..	..	..	..	1	..	6	\$255
Beam built into flue igniting.	..	..	2	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	2	55
Bonfires .....	..	..	..	28	..	..	..	28	1	..	10	15	..	..	..	..	..	..	..	..	25	28	210
Cigars, pipes, etc., smoking of	4	214	..	2	1	..	..	221	94	46	38	7	16	1	10	1	..	..	2	..	6	221	64,849
Defective flues and chimneys	..	..	3	..	..	..	..	3	2	..	1	..	..	..	..	..	..	..	..	..	3	..	3,025
Fat, glue, varnish, etc., taking fire on stoves, etc.....	22	4	..	..	..	..	..	26	26	..	..	..	..	..	..	..	..	..	..	..	26	..	1,680
Firecrackers.....	..	15	..	20	1	..	..	36	12	13	5	..	5	..	..	..	..	..	..	..	36	..	23,589
Fireworks, rockets, etc.....	9	7	..	..	..	..	..	16	6	5	3	1	1	..	..	..	..	..	..	..	16	..	2,435
Foul chimneys.....	..	27	..	..	..	..	..	27	25	1	..	1	..	..	..	..	..	..	..	..	27	..	..
Gas-stoves, etc.....	5	3	..	..	..	..	..	8	4	2	1	..	1	..	..	..	..	..	..	..	8	..	484
Hot ashes igniting woodwork	1	27	..	..	..	..	..	28	11	1	7	2	2	..	45	..	..	..	2	3	28	..	7,799
Hot smoothing-iron igniting woolen cloths, ironing-board, etc.....	2	1	..	..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..	..	3	..	135
Kerosene oil poured over woodwork and ignited.....	1	..	..	..	1	2	..	4	4	..	..	..	..	..	..	..	..	..	..	..	4	..	1,282
Kerosene oil stoves exploding	3	..	..	..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..	..	3	..	150
Kerosene oil stoves upsetting, falling, etc.....	7	12	..	..	..	..	..	19	19	..	..	..	..	..	..	..	..	..	..	..	19	..	736
Kerosene oil stoves taking fire	91	..	..	..	..	..	..	91	87	..	2	..	2	..	..	..	..	..	..	..	91	..	10,365
Lightning igniting building ..	1	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	..	54,841
Lighted paper thrown on an awning, igniting same.....	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	..	10
Matches, children playing with.....	..	..	..	165	..	..	..	165	157	3	2	..	..	2	..	1	..	..	..	..	165	..	25,726
Matches gnawed by rats and mice .....	..	81	..	..	..	..	..	81	35	17	21	4	2	..	1	..	..	..	1	..	81	..	430,126
Matches igniting awnings, straw, rubbish, woodwork, etc.....	45	180	..	55	23	25	..	328	189	42	35	7	12	12	1	..	..	2	..	27	328	..	99,819
Not ascertained .....	..	..	..	..	..	..	309	309	111	70	71	6	10	1	23	4	..	2	..	5	6	309	1,648,824
Phosphorus igniting .....	1	1	..	..	..	..	..	2	1	..	..	1	..	..	..	..	..	..	..	..	2	..	50
Rekindling of previous fire..	..	6	..	..	..	..	..	6	..	1	1	..	..	..	..	..	..	..	..	..	4	6	1,700
Rubbish, etc., igniting.....	..	2	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..
Soot ignited in fire-places and flues.....	..	7	..	..	..	..	..	7	7	..	..	..	..	..	..	..	..	..	..	..	7	..	342
Sun's rays forming a focus and igniting drapery, etc., in show window.....	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	..	10
Sparks from chimneys, stoves, etc.....	2	3	..	..	..	..	..	5	4	..	..	..	..	..	..	..	..	..	..	1	5	..	511
Sparks from other fires.....	5	..	..	..	..	..	..	5	2	2	..	..	..	..	..	..	..	..	..	1	5	..	2,768
Spontaneous combustion of oily rubbish, etc.....	..	5	..	..	..	..	..	5	..	3	..	..	2	..	..	..	..	..	..	..	5	..	2,125
Stoves, stove-pipes, etc., heat from, igniting woodwork, etc.....	3	8	..	..	..	..	..	11	10	..	1	..	..	..	..	..	..	..	..	..	11	..	10,948
Thawing out water-pipes with candles, lamps, lighted papers, naphtha, etc.....	..	9	..	..	..	..	..	9	9	..	..	..	..	..	..	..	..	..	..	..	9	..	70
Tramps building fires in woods, unoccupied houses, etc.....	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	..	25
Total number of fires	204	618	5	271	26	27	309	1,460	833	207	190	29	53	3	49	6	1	2	4	9	74	1,460	
Total loss.....	\$94,386	\$592,214	\$3,080	\$49,403	\$1531	\$5506	\$1,648,824	\$2,394,944	\$206,807	\$677,260	\$1,330,482	\$9,815	\$15,316	\$39,474	\$81,455	\$3,950	\$5	\$5,900	\$200	\$23,200	\$1080	..	\$2,394,944
RECAPITULATION.																							
In Heating .....	No. of fires..	137	405	76	..	..	..	618	472	51	56	9	11	1	4	..	6	..	2	1	5	618	
	Loss .....	\$254,800	\$52,688	\$105,162	..	..	..	\$412,650	\$99,773	\$131,563	\$39,212	\$7,420	\$24,655	..	\$425	..	\$109,390	..	\$12	..	\$200	..	\$412,650
In Illuminating.	No. of fires..	423	556	..	..	5	2	986	736	96	69	10	25	1	7	20	6	1	..	2	13	986	
	Loss .....	\$276,937	\$283,857	..	..	\$105	..	\$560,899	\$120,680	\$219,202	\$207,394	\$4,878	\$1,502	\$220	\$4,310	\$1,911	\$335	..	..	\$425	\$42	..	\$560,899
In Manufactur- ing, etc.....	No. of fires..	309	97	7	1	..	1	415	43	76	211	5	36	1	6	4	..	3	2	8	20	415	
	Loss .....	\$591,649	\$200,163	\$3,355	\$5	..	\$4,500	\$799,672	\$16,641	\$42,187	\$598,585	\$65,135	\$16,734	\$250	\$14,202	\$6	..	\$5,200	\$375	\$39,950	\$387	..	\$799,672
In Miscellaneous	No. of fires..	204	618	5	271	26	27	1,460	833	207	190	29	53	3	49	6	1	2	4	9	74	1,460	
	Loss .....	\$94,386	\$592,214	\$3,080	\$49,403	\$1531	\$5506	\$1,648,824	\$206,807	\$677,260	\$1,330,482	\$9,815	\$15,316	\$39,474	\$81,455	\$3,950	\$5	\$5,900	\$200	\$23,200	\$1080	..	\$2,394,944
Aggregate	No. of fires..	1,073	1,676	88	272	31	27	312	2,084	430	526	53	125	6	66	30	13	6	8	20	112	3,479	
	Loss .....	\$1,217,772	\$1,128,922	\$111,597	\$49,408	\$1636	\$5506	\$1,653,324	\$443,901	\$1,070,212	\$2,175,673	\$87,248	\$58,227	\$39,944	\$100,392	\$5,867	\$109,730	\$11,100	\$587	\$63,575	\$1709	..	\$4,168,16



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	1	5	1	6	..	7	..	1	..	1	2	8	..	10	5	17	1	23	\$24,770	\$139,360	\$164,130
February.....	1	7	..	8	1	7	..	8	..	3	1	4	1	8	1	10	3	25	2	30	3,175	11,875	15,050
March.....	2	6	..	8	..	3	..	3	..	4	1	5	..	1	..	1	2	14	1	17	2,770	74,645	77,415
April.....	..	1	..	1	1	2	..	3	..	6	1	7	1	8	1	10	2	17	2	21	2,205	17,345	19,550
May.....	..	1	..	1	..	4	..	4	..	4	..	4	..	10	..	10	..	19	..	19	2,075	6,594	8,669
June.....	..	..	..	..	..	..	1	1	1	3	..	4	1	4	..	5	2	7	1	10	5,685	25,752	31,437
July.....	..	..	..	..	..	2	..	2	..	2	..	2	4	11	..	15	4	15	..	19	27,605	56,181	83,786
August.....	..	..	..	..	..	..	..	..	..	2	..	2	2	8	..	10	2	10	..	12	2,402	6,432	8,834
September.....	..	1	1	2	1	3	..	4	..	2	1	3	1	5	..	6	2	11	2	15	10,205	39,550	49,755
October.....	1	3	..	4	1	1	..	2	..	4	..	4	..	1	..	1	2	9	..	11	1,060	6,525	7,585
November.....	1	1	..	2	..	2	..	2	..	3	1	4	1	9	1	11	2	15	2	19	23,615	55,570	79,185
December.....	2	4	..	6	2	3	..	5	..	3	..	3	..	10	2	12	4	20	2	26	4,428	31,345	35,773
Total.....	9	26	2	37	7	33	1	41	1	37	5	43	13	83	5	101	30	179	13	222	\$109,995	\$471,174	\$581,169

Number of buildings in district—  
Dwellings..... 924  
Business..... 2,781  
Total..... 3,705

Number of fires in dwellings..... 30  
Number of fires in business buildings..... 179  
Total fires in buildings..... 209

Number of dwellings to each fire..... 31  
Number of business places to each fire..... 16  
Number of buildings to each fire..... 18

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	..	..	..	..	4	..	2	6	6	1	2	9	\$740	\$3,135	\$3,875
February .....	..	1	..	1	..	1	..	1	..	2	..	2	..	1	..	1	..	5	..	5	\$5,350	\$46,550	\$51,900
March .....	..	1	..	1	2	2	..	4	..	3	1	4	..	1	..	1	2	7	1	10	375	1,190	1,565
April .....	2	1	..	3	..	..	1	1	..	3	..	3	4	..	1	5	6	4	2	12	1,370	1,913	3,283
May .....	5	..	..	5	1	..	..	1	..	1	..	1	1	1	..	2	7	2	..	9	80	385	465
June .....	1	..	..	1	2	..	..	2	..	..	..	..	3	2	..	5	6	2	..	8	3,330	8,302	11,632
July .....	..	..	..	..	..	..	..	..	1	3	..	4	2	5	..	7	3	8	..	11	3,415	26,080	29,495
August .....	..	..	..	..	1	..	..	1	..	..	..	..	3	1	..	4	4	1	..	5	1,510	16,865	18,375
September .....	..	..	..	..	3	..	..	3	..	..	..	..	1	2	1	4	4	2	1	7	3,095	18,149	21,244
October .....	1	1	..	2	3	..	..	3	..	2	..	2	..	..	..	..	4	3	..	7	165	1,775	1,940
November .....	2	..	..	2	2	..	..	2	..	2	2	4	3	3	2	8	7	5	4	16	7,197	132,295	139,492
December .....	3	1	..	4	2	3	..	5	..	..	1	1	..	3	1	4	5	7	2	14	3,392	5,855	9,247
Total .....	14	5	..	19	18	7	1	26	1	16	4	21	21	19	7	47	54	47	12	113	\$30,019	\$262,494	\$292,513

Number of buildings in district—			Number of fires in dwellings.....	54	Number of dwellings to each fire.....	42
Dwellings.....	2,264		Number of fires in business buildings.....	47	Number of business places to each fire.....	18
Business.....	830					
Total.....	3,094		Total fires in buildings .....	101	Number of buildings to each fire.....	31

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

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	..	2	..	2	..	2	..	2	..	..	..	..	..	6	..	6	..	10	..	10	\$3,510	\$53,715	\$57,225
February.....	1	3	..	4	1	..	..	1	..	..	..	..	..	2	..	2	2	5	..	7	4,200	16,495	20,695
March.....	..	3	..	3	..	..	..	..	..	1	..	1	1	11	..	12	1	15	..	16	30,361	281,060	311,421
April.....	..	..	..	..	..	3	..	3	..	2	..	2	..	4	..	4	..	9	..	9	7,755	34,785	42,540
May.....	2	..	..	2	..	1	..	1	..	3	..	3	..	5	..	5	2	9	..	11	1,070	57,165	58,235
June.....	..	1	..	1	1	..	..	1	..	..	..	..	..	3	..	3	..	5	..	5	1,000	1,360	2,360
July.....	..	..	..	..	1	..	..	1	..	..	..	..	..	6	1	7	1	6	1	8	3,560	97,570	101,130
August.....	..	..	..	..	..	2	..	2	..	1	..	1	..	1	..	1	..	4	..	4	550	2,625	3,175
September.....	..	1	..	1	..	1	..	1	..	2	..	2	..	2	..	2	..	6	..	6	3,600	18,200	21,800
October.....	..	..	..	..	..	1	..	1	..	1	..	1	..	2	..	2	..	4	..	4	651	2,400	3,051
November.....	..	..	..	..	1	..	..	1	..	1	..	1	..	4	..	4	1	5	..	6	1,100	4,350	5,450
December.....	..	2	..	2	..	1	..	1	..	2	..	2	..	7	..	7	..	12	..	12	24,175	217,350	241,525
Total.....	3	12	..	15	3	12	..	15	..	13	..	13	1	53	1	55	7	90	1	98	\$81,532	\$787,075	\$868,607

Number of buildings in district—  
Dwellings..... 254  
Business..... 1,102  
Total..... 1,356

Number of fires in dwellings..... 7  
Number of fires in business buildings..... 90  
Total fires in buildings..... 97

Number of dwellings to each fire..... 36  
Number of business places to each fire..... 12  
Number of buildings to each fire..... 14



## 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.....	10	2	..	12	33	3	..	36	..	3	..	3	15	9	..	24	58	17	..	75	\$5,715	\$26,022	\$31,737
February.....	11	4	..	15	12	1	..	13	..	4	..	4	13	10	1	24	36	19	1	56	2,677	11,914	14,591
March.....	16	2	..	18	19	4	..	23	..	2	..	2	18	8	..	26	53	16	..	69	25,665	23,533	49,198
April.....	14	2	..	16	14	6	1	21	1	8	1	10	19	10	..	29	48	26	2	76	2,305	17,499	19,804
May.....	13	3	..	16	24	..	..	24	..	6	..	6	15	6	..	21	52	15	..	67	18,391	36,381	54,772
June.....	10	2	..	12	16	4	..	20	..	5	..	5	21	7	..	28	47	18	..	65	11,631	77,215	88,846
July.....	..	..	..	..	21	6	..	27	2	8	..	10	29	17	1	47	52	31	1	84	19,173	34,484	53,657
August.....	..	..	..	..	17	4	..	21	1	5	1	7	35	7	1	43	53	16	2	71	5,831	43,865	49,696
September.....	3	..	..	3	12	4	..	16	..	4	..	4	23	7	1	31	38	15	1	54	1,962	2,109	4,071
October.....	6	4	..	10	19	3	1	23	..	6	..	6	30	8	..	38	55	21	1	77	9,083	9,524	18,607
November.....	7	3	1	11	20	4	..	24	..	6	..	6	18	12	2	32	45	25	3	73	10,630	18,161	28,791
December.....	10	6	..	16	17	5	..	22	..	4	..	4	15	9	3	27	42	24	3	69	37,641	103,069	140,710
Total.....	100	28	1	129	224	44	2	270	4	61	2	67	251	110	9	370	579	243	14	836	\$150,704	\$403,776	\$554,480

Number of buildings in district—

Dwellings..... 9,194

Business..... 2,091

Total..... 11,285

Number of fires in dwellings..... 579

Number of fires in business buildings..... 243

Total fires in buildings..... 822

Number of dwellings to each fire..... 16

Number of business places to each fire..... 9

Number of buildings to each fire..... 14

## 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.....	8	4	..	12	15	8	..	23	1	4	..	5	8	6	1	15	32	22	1	55	\$8,057	\$60,991	\$69,048
February.....	5	1	..	6	8	1	..	9	1	4	..	5	8	7	1	16	22	13	1	36	1,415	9,070	10,485
March.....	14	6	..	20	12	5	1	18	..	4	..	4	13	12	..	25	39	27	1	67	10,970	159,842	170,812
April.....	10	2	..	12	11	3	..	14	1	4	..	5	10	11	2	23	32	20	2	54	8,783	31,507	40,290
May.....	7	1	..	8	9	4	..	13	..	3	..	3	14	4	4	22	30	12	4	46	892	4,358	5,250
June.....	7	1	..	8	19	4	..	23	..	2	..	2	10	9	1	20	36	16	1	53	5,669	34,547	40,216
July.....	..	..	..	..	10	4	..	14	2	7	..	9	22	15	..	37	34	26	..	60	6,455	10,679	17,134
August.....	..	..	..	..	12	1	..	13	..	3	..	3	13	7	1	21	25	11	1	37	3,483	25,010	28,493
September.....	3	..	..	3	6	4	..	10	..	10	..	10	12	3	..	15	21	17	..	38	6,157	19,269	25,426
October.....	7	4	..	11	15	2	..	17	..	3	..	3	6	5	..	11	28	14	..	42	1,789	6,422	8,211
November.....	5	1	..	6	11	2	..	13	1	5	..	6	6	5	1	12	23	13	1	37	1,437	6,931	8,368
December.....	13	10	..	23	12	7	2	21	1	6	..	7	7	11	1	19	33	34	3	70	77,928	31,892	109,820
Total.....	79	30	..	109	140	45	3	188	7	55	..	62	129	95	12	236	355	225	15	595	\$133,035	\$400,518	\$533,553

Number of buildings in district—

Dwellings..... 15,365

Business..... 3,875

Total..... 19,240

Number of fires in dwellings..... 355

Number of fires in business buildings..... 225

Total fires in buildings..... 580

Number of dwellings to each fire..... 43

Number of business places to each fire..... 17

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

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

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	18	2	..	20	23	3	..	26	1	6	..	7	11	7	..	18	53	18	..	71	\$45,659	\$179,362	\$225,021
February.....	15	1	..	16	13	3	2	18	..	5	..	5	10	6	1	17	38	15	3	56	11,658	13,335	24,993
March.....	23	4	..	27	17	..	..	17	1	10	1	12	19	6	..	25	60	20	1	81	7,323	18,265	25,588
April.....	15	..	..	15	14	6	..	20	..	8	..	8	13	13	..	26	42	27	..	69	11,447	29,581	41,028
May.....	15	1	..	16	16	1	..	17	..	10	1	11	13	2	..	15	44	14	1	59	15,183	34,303	49,486
June.....	2	1	..	3	16	2	..	18	2	7	..	9	11	4	..	15	31	14	..	45	4,209	16,619	20,828
July.....	..	..	..	..	16	4	..	20	1	9	..	10	38	12	2	52	55	25	2	82	7,350	8,050	15,400
August.....	..	..	..	..	7	1	..	8	..	10	..	10	19	4	..	23	26	15	..	41	12,030	25,473	37,503
September.....	9	1	..	10	9	1	..	10	..	8	..	8	17	4	1	22	35	14	1	50	20,022	20,360	40,382
October.....	7	2	..	9	16	7	..	23	..	3	1	4	11	6	..	17	34	18	1	53	4,794	5,614	10,408
November.....	16	3	..	19	11	6	1	18	2	9	..	11	18	4	7	29	47	22	8	77	9,625	10,409	20,034
December.....	32	6	1	39	15	7	1	23	2	9	..	11	20	12	1	33	69	34	3	106	95,845	192,839	288,684
Total.....	152	21	1	174	173	41	4	218	9	94	3	106	200	80	12	292	534	236	20	790	\$245,145	\$554,210	\$799,355

Number of buildings in district—

Dwellings..... 21,653

Business..... 4,491

Total..... 26,144

Number of fires in dwellings..... 534

Number of fires in business buildings..... 236

Total fires in buildings..... 770

Number of dwellings to each fire..... 41

Number of business places to each fire..... 11

Number of buildings to each fire..... 34



MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	1	1	..	2	..	..	..	..	..	1	1	2	1	2	..	3	2	4	1	7	\$130	\$25	\$155
February.....	..	1	..	1	2	..	..	2	..	1	..	1	..	..	..	..	2	2	..	4	295	275	570
March.....	3	..	..	3	2	1	..	3	..	..	..	..	1	..	..	1	6	1	..	7	70	190	260
April.....	..	..	..	..	1	..	..	1	..	..	..	..	1	1	..	2	2	1	..	3	4,005	3,920	7,985
May.....	1	..	..	1	..	..	..	..	..	..	..	..	2	..	2	1	2	..	3	990	2,005	2,995	
June.....	..	..	..	..	2	1	..	3	1	2	1	4	..	1	1	2	3	4	2	9	13,740	9,597	23,337
July.....	..	..	..	..	..	..	..	..	..	1	..	1	1	2	..	3	1	3	..	4	450	600	1,050
August.....	..	..	..	..	..	..	..	..	..	..	1	1	..	2	1	3	..	2	2	4	2,300	3,400	5,700
September.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
October.....	1	..	..	1	1	..	..	1	..	1	..	1	1	..	1	2	3	1	1	5	20	12	32
November.....	1	..	1	2	..	2	..	2	..	2	2	4	1	1	4	6	2	5	7	14	1,715	2,162	3,877
December.....	1	..	..	1	2	..	..	2	..	..	2	2	1	..	1	2	4	..	3	7	10,650	4,923	15,573
Total.....	8	2	1	11	10	4	..	14	1	8	7	16	7	11	8	26	26	25	16	67	\$34,365	\$27,109	\$61,474

Number of buildings in district—

Dwellings..... 3,029

Business..... 1,074

Total..... 4,103

Number of fires in dwellings..... 26

Number of fires in business buildings..... 25

Total fires in buildings..... 51

Number of dwellings to each fire..... 117

Number of business places to each fire..... 43

Number of buildings to each fire..... 80



## 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.....	1	1	..	2	5	2	..	7	1	..	..	1	3	..	..	3	10	3	..	13	\$1,660	\$753	\$2,413
February.....	..	2	..	2	7	..	..	7	..	..	..	..	4	3	..	7	11	5	..	16	910	3,666	4,576
March.....	1	..	1	2	2	1	..	3	1	1	..	2	5	1	..	6	9	3	1	13	3,215	3,887	7,102
April.....	4	..	..	4	4	2	..	6	..	3	..	3	5	3	..	8	13	8	..	21	6,805	8,340	15,145
May.....	1	..	..	1	4	2	..	6	..	3	..	3	8	..	..	8	13	5	..	18	8,237	11,580	19,817
June.....	1	1	..	2	3	3	..	6	1	4	..	5	3	2	..	5	8	10	..	18	1,140	4,240	5,380
July.....	..	..	..	..	3	2	..	5	1	2	..	3	10	3	..	13	14	7	..	21	1,272	1,640	2,912
August.....	..	..	..	..	2	..	..	2	..	1	..	1	4	3	1	8	6	4	1	11	536	1,224	1,760
September.....	1	..	..	1	1	1	..	2	..	1	..	1	5	5	1	11	7	7	1	15	12,262	56,880	69,142
October.....	5	..	..	5	4	1	..	5	..	5	..	5	2	6	..	8	11	12	..	23	1,769	6,988	8,757
November.....	6	..	..	6	..	1	..	1	1	1	..	2	3	..	1	4	10	2	1	13	1,381	1,660	3,041
December.....	5	1	..	6	5	3	..	8	1	2	..	3	5	2	..	7	16	8	..	24	4,335	5,397	9,732
Total.....	25	5	1	31	40	18	..	58	6	23	..	29	57	28	3	88	128	74	4	206	\$43,522	\$106,255	\$149,777

Number of buildings in district—

Dwellings..... 8,718

Business..... 1,117

Total..... 9,835

Number of fires in dwellings.....

Number of fires in business buildings.....

Total fires in buildings.....

128

74

202

Number of dwellings to each fire.....

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

Number of buildings to each fire.....

68

15

49

## 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.....	4	1	..	5	3	..	..	3	..	..	1	1	2	2	..	4	9	3	1	13	\$312	\$685	\$997
February.....	2	..	..	2	2	..	..	2	..	..	..	..	1	1	..	1	4	1	..	5	835	35	870
March.....	3	1	..	4	..	1	..	1	..	1	..	1	4	..	..	4	7	3	..	10	2,692	7,180	9,872
April.....	5	1	..	6	1	1	..	2	2	..	..	2	4	1	2	7	12	3	2	17	9,406	19,481	28,887
May.....	1	..	..	1	2	2	..	4	..	1	..	1	1	1	..	2	4	4	..	8	1,675	882	2,557
June.....	..	..	..	..	2	1	..	3	..	..	..	..	1	5	..	6	3	6	..	9	2,182	1,345	3,527
July.....	..	..	..	..	1	1	..	2	..	3	..	3	3	1	..	4	4	5	..	9	6,055	5,605	11,660
August.....	..	..	..	..	1	1	..	2	..	..	..	..	5	..	..	5	6	1	..	7	67	35	102
September.....	..	..	..	..	1	..	..	1	1	..	..	1	2	1	1	4	4	1	1	6	675	670	1,345
October.....	1	..	..	1	1	1	..	2	..	1	2	3	2	..	1	3	4	2	3	9	32	370	402
November.....	..	..	..	..	..	..	..	..	..	1	2	3	1	4	6	11	1	5	8	14	2,250	7,330	9,580
December.....	7	2	..	9	3	1	..	4	..	2	1	3	2	2	1	5	12	7	2	21	7,730	7,283	15,013
Total.....	23	5	..	28	17	9	..	26	3	9	6	18	27	18	11	56	70	41	17	128	\$33,911	\$50,901	\$84,812

Number of buildings in district—

Dwellings..... 9,910

Business..... 4,429

Total..... 14,339

Number of fires in dwellings.....

Number of fires in business buildings.....

Total fires in buildings.....

70

41

111

Number of dwellings to each fire.....

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

Number of buildings to each fire.....

142

108

129

## 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.....	2	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	2	\$2,001	\$3,000	\$5,001
February.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	1	.....	.....	.....
March.....	1	..	..	1	..	..	..	..	..	1	..	1	1	..	..	1	2	1	..	3	112	.....	112
April.....	2	1	..	3	..	..	..	..	..	1	..	1	2	..	1	3	4	2	1	7	9,031	5,575	14,606
May.....	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	1	..	1	100	.....	100
June.....	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	2	1	1	..	2	52	.....	52
July.....	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	3	2	..	1	3	63	55	118
August.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
September.....	1	..	..	1	..	1	..	1	..	..	..	..	..	..	..	..	1	1	..	2	550	43	593
October.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	..	..	2	2	.....	450	450
November.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
December.....	2	..	..	2	..	..	..	..	..	..	..	..	..	..	1	1	2	..	1	3	25	.....	25
Total.....	8	1	..	9	..	1	..	1	..	2	..	2	7	2	5	14	15	6	5	26	\$11,934	\$9,123	\$21,057

Number of buildings in district—

Dwellings..... 1,308

Business..... 1,123

Total..... 2,436

Number of fires in dwellings.....

Number of fires in business buildings.....

Total fires in buildings.....

15

6

21

Number of dwellings to each fire.....

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

Number of buildings to each fire.....

87

183

116



Thirteenth District—Governor's, Bedloe's, 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.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
April.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
May.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
June.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
July.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
August.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
September.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
October.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
November.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
December.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
Total.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....

Number of buildings in district—

Dwellings..... 171

Business..... 195

Total..... 366

Number of fires in dwellings.....

Number of fires in business buildings.....

Total fires in buildings.....

Number of dwellings to each fire.....

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

Number of buildings to each fire.....

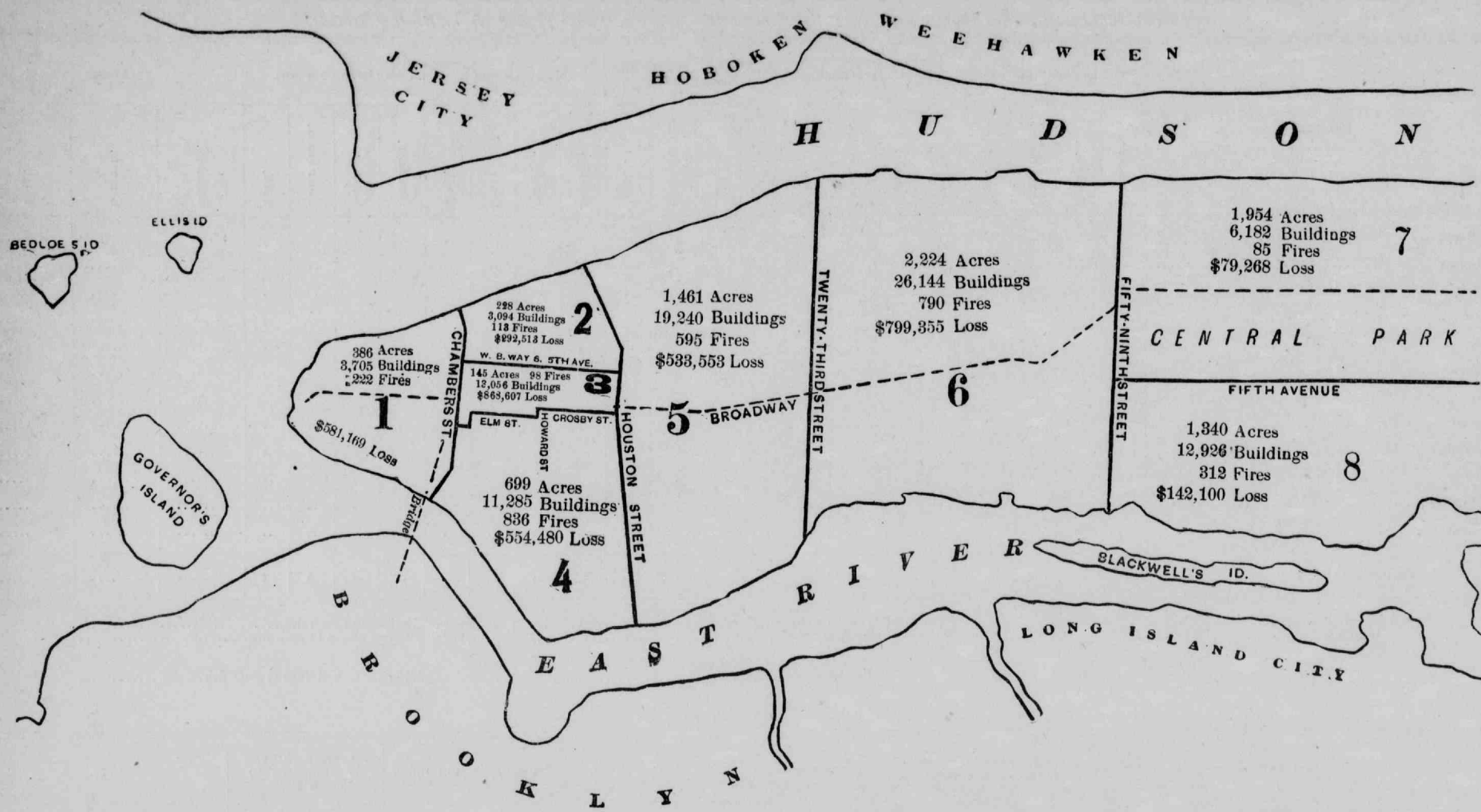
## Recapitulation.

DISTRICTS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				NUMBER OF BUILDINGS.			AVERAGE NUMBER OF BUILDINGS TO EACH FIRE.			LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business, etc.	Total.	Dwellings.	Business, etc.	Total.	Buildings.	Contents.	Total.
First .....	9	26	2	37	7	33	1	41	1	37	5	43	13	83	5	101	30	179	13	222	924	2,781	3,705	31	16	18	\$109,935	\$471,174	\$581,169
Second .....	14	5	..	19	18	7	1	26	1	16	4	21	21	19	7	47	54	47	12	113	2,264	830	3,094	42	18	31	30,019	262,494	292,513
Third .....	3	12	..	15	3	12	..	15	..	13	..	13	1	53	1	55	7	90	1	98	254	1,102	13,056	36	12	14	81,532	787,075	868,607
Fourth .....	100	28	1	129	224	44	2	270	4	61	2	67	251	110	9	370	579	243	14	836	5,194	2,091	11,285	16	9	14	150,704	403,776	554,480
Fifth .....	79	30	..	109	140	45	3	188	7	55	..	62	129	95	12	236	355	225	15	595	15,365	3,875	19,240	43	17	31	133,035	400,518	533,553
Sixth.....	152	21	1	174	173	41	4	218	9	94	3	106	203	80	12	292	534	236	20	790	21,653	4,491	26,144	41	11	34	245,145	554,210	799,355
Seventh .....	13	1	..	14	20	8	1	29	3	3	1	7	19	8	8	35	55	20	10	85	5,596	486	6,182	104	24	82	46,500	32,768	79,268
Eighth .....	38	4	..	42	84	13	2	99	8	23	..	31	101	37	2	140	231	77	4	312	11,229	1,697	12,926	49	22	42	45,636	96,464	142,100
Ninth .....	8	2	1	11	10	4	..	14	1	8	7	16	7	11	8	26	26	25	16	67	3,029	1,074	4,103	117	43	80	34,365	27,109	61,474
Tenth .....	25	5	1	31	40	18	..	58	6	23	..	29	57	28	3	88	128	74	4	206	8,718	1,117	9,835	128	74	202	43,522	106,255	149,777
Eleventh .....	23	5	..	28	17	9	..	26	3	9	6	18	27	18	11	56	70	41	17	128	9,910	4,422	14,339	142	108	109	33,911	50,901	84,812
Twelfth .....	8	1	..	9	..	1	..	1	..	2	..	2	7	2	5	14	15	6	5	26	1,308	1,128	2,436	87	188	116	11,934	9,123	21,057
Thirteenth .....	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1	171	195	366	..	..	..	.....	.....	.....
Total.....	472	140	6	618	736	235	15	986	43	344	28	415	833	544	83	1,460	2,084	1,263	132	3,479	89,715	25,296	115,011	43	20	34	\$966,298	\$3,201,867	\$4,168,165

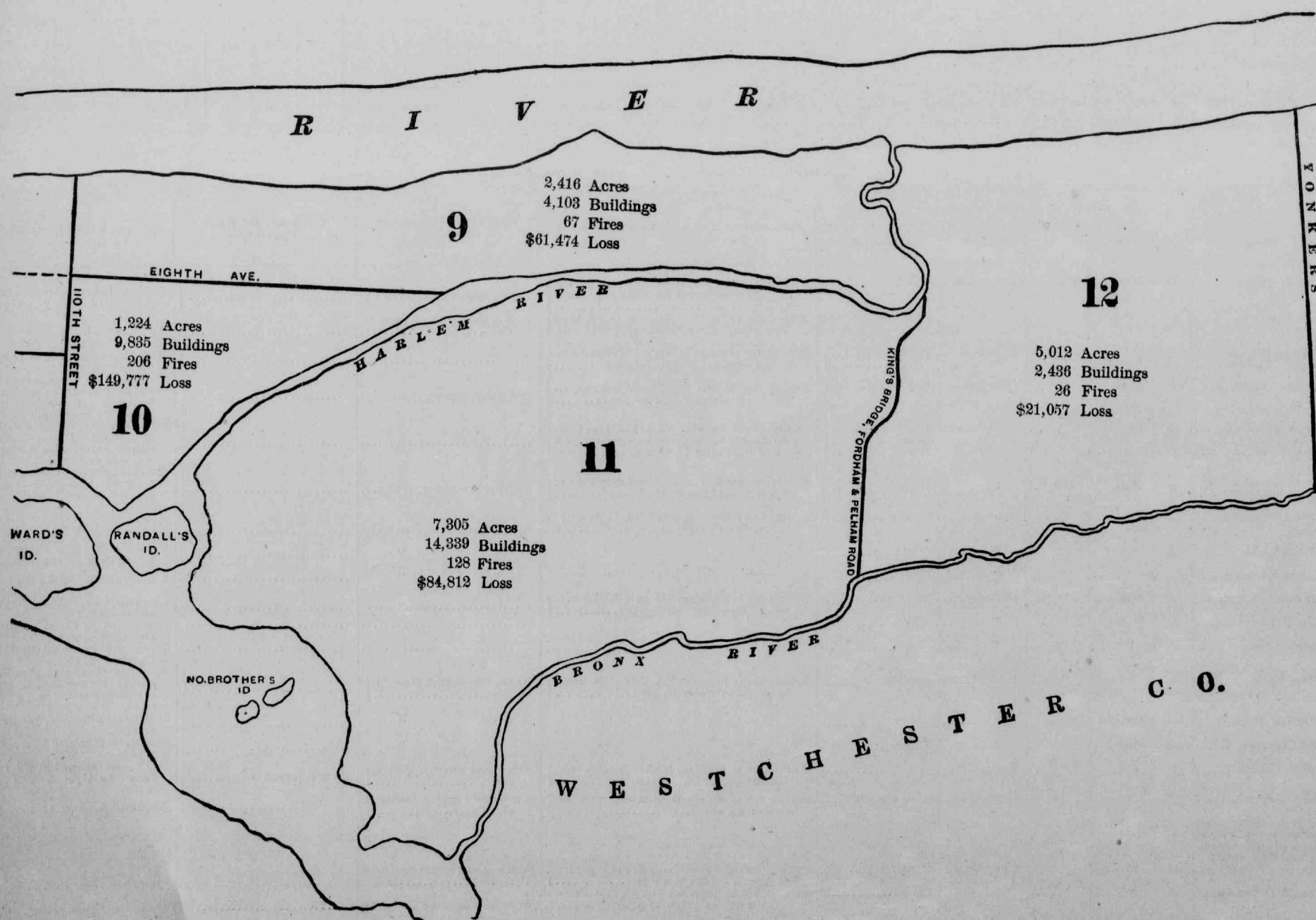
## Indictments and Convictions for Arson, Incendiarism, etc.

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.				
Charles Adams.....	48	Male...	White...	United States	Calker.....	Setting fire to clothes and wooden locker, No. 258 South street, on night of January 11, 1890.....	Arson, second degree, Jan'y 20, 1890.....	.....	Declared insane and committed to asylum February 14, 1890.
John F. Huner.....	33	"	"	"	Piano Manufacturer	Setting fire to factory, Nos. 505 to 509 West Thirty-sixth street, March 16, at 2.06 A.M.	Arson, third degree, June 11, 1890.....	.....	Awaiting trial.
Solomon Warshor.....	46	"	"	Poland.....	Peddler.....	Setting fire to rooms in No. 114 Willett street, on the afternoon of July 29, 1890.....	.....	.....	Both discharged August 14 by Police Justice.
Hannah Warshor.....	30	Female..	"	"	"	.....	.....	.....	Pleaded guilty to arson in second degree, and on medical certificate committed to Elmira Reformatory.
William Pfunder.....	18	Male...	"	Germany.....	Butcher's Assistant.	Setting fire to No. 733 Second avenue, on night of September 26, 1890.....	Arson first degree, Oct. 3, 1890.....	.....	Charge against all dismissed by Police Justice after lengthy examination in Harlem Police Court.
Mrs. Kate Goepf.....	39	Female..	"	United States	Housekeeper.....	Setting fire to dwelling No. 33 East One Hundred and Twenty-seventh street, on morning of September 13, 1890, at 4.14 o'clock.	.....	.....	Pleaded guilty and sentenced to State Prison for seven years, General Sessions, Part II.
Delia Silk.....	28	"	"	"	Saleswoman.....	.....	.....	.....	.....
Mary A. Silk.....	32	"	"	"	None.....	.....	.....	.....	.....
Joseph Katz alias Joseph Kraemer.....	28	Male...	"	"	Driver.....	Perjury committed on examination in case of Solomon and Hannah Warshor.....	Perjury, September 23, 1890.....	.....	.....
Adolph Deutsch.....	..	"	"	Poland.....	Clothier.....	Setting fire to clothing store No. 85 Avenue A, on October 12, 1890, at 1.15 A.M.	Arson, first degree, Dec. 8, 1890.....	.....	Discharged by Police Justice.
Nathan Becker.....	28	"	"	"	"	"	"	.....	Tried March, 1891. Disagreement 10 to 2, for conviction.
Hyman Becker.....	..	"	"	"	Clerk.....	"	"	.....	Discharged by Police Justice.
Johanna L. Kistner.....	38	Female..	"	Germany.....	Butcher.....	Setting fire to premises No. 2286 Eighth avenue, on November 30, at 2.45 P.M.	.....	.....	Discharged by Police Justice, December 9, 1890.
John H. Kistner.....	31	Male...	"	"	"	"	.....	.....	Discharged by Police Justice, December 9, 1890.
Joseph Simon.....	59	"	"	"	"	"	.....	.....	Discharged by Police Justice, December 5, 1890.
Henry Koch.....	35	"	"	Poland.....	Hairdresser.....	Setting fire to premises No. 78 Norfolk street, on night of October 17, 1889.....	Arson, first degree, Nov. 14, 1889.....	.....	Acquitted January 23, 1890, on ground that evidence of accomplice was not corroborated.
Henrietta Koch.....	32	Female..	"	"	"	"	"	.....	Indictment dismissed, January 21, 1890.
Max Lipschus.....	28	Male...	"	"	Tailor.....	"	"	.....	Indictment dismissed February 7, 1890.
Joseph Coletta.....	30	"	"	Russia.....	"	Setting fire to premises No. 151 Essex street, January 30, 1884, at 12.34 A.M.	Arson and larceny, Feb. 8, 1884.....	On trial jury disagreed.....	Bail \$1,000 forfeited April 17, 1890. In Oyer and Terminer.
Philip Heinrich.....	58	"	"	Germany.....	Type Founder.....	Setting fire to No. 195 William street, on November 24, 1888.....	Arson, third degree, January 24, 1889.....	.....	Acquitted April 16, 1890.
The following cases remain in the District Attorney's Office awaiting final disposition:									
Wm. alias Fritz Furbs.....	18	"	"	United States	Printer.....	Setting fire to premises No. 7 Frankfort street, on August 4, 1887, at 4 P.M.	Arson, second degree, Sept. 14, 1887.....	.....	On bail; never tried.
John M. D. Fanshawe.....	28	"	"	"	Clerk.....	Setting fire to premises No. 50 East Twenty-ninth street, on February 3, 1888.....	Arson, first degree, Feb. 21, 1888.....	.....	On bail, awaiting retrial.





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 366 and the number of fires was 1.





## BUREAU OF COMBUSTIBLES.

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

COMPLAINTS OF VIOLATIONS, ETC.	Pending last Report.	Received since.	Total to be disposed of.	DISPOSITION.						Now pending.
				Complied on Notice.	Unfounded.	Penalties Collected.	Penalties Remitted.	Prosecution Recommended.	Total.	
Selling kerosene oil below test.....	1	1	2	1	1	1	1	1	1	1
Selling kerosene oil without license.....	16	728	744	551	53	121	725	19	725	19
Chimney fires.....	15	276	291	1	161	98	278	13	278	13
Hoistways found open after conclusion of business.....	5	13	18	3	3	11	17	1	17	1
Fire-hydrants obstructed.....	1	89	90	58	1	1	58	32	58	32
Lights unprotected.....	7	1	8	6	2	1	8	1	8	1
Want of fire extinguishing appliances.....	1	1	2	1	1	1	2	1	2	1
Combustible material in excessive quantity.....	6	39	45	29	9	1	44	4	44	4
Kerosene or naphtha, etc., in excessive quantity.....	1	9	10	4	4	1	8	2	8	2
Fireworks, chemicals, matches, etc., kept without permit.....	1	16	17	15	1	1	15	1	15	1
Powder, etc., improperly stored, transported, etc.....	1	7	8	1	5	1	6	1	6	1
Chimneys, flues, heating apparatus, etc., unsafe.....	45	41	86	69	15	1	84	2	84	2
Ashes in wooden boxes, etc.....	1	2	3	2	1	1	3	1	3	1
Hay, straw, cotton, rags, and other vegetable fibre stored in excessive quantity.....	2	6	8	5	1	1	6	2	6	2
Lime, spirits, varnish, etc., stored in excessive quantity.....	1	2	3	2	1	1	3	1	3	1
Total.....	98	1,231	1,329	728	105	165	1,001	153	1,254	77

Special surveys made to determine the fitness of premises for the storage of combustibles or explosive materials.....	1,153
Samples of kerosene oil collected and tested.....	6,840

## Money Received for Licenses and Permits Issued, Penalties Collected, Sale of Seized Explosives, etc.

For 41,810 kerosene oil licenses issued, at \$10.....	\$41,810 00
For 41 powder licenses issued, at \$5.....	205 00
For 786 special permits issued, at \$2.....	1,572 00
For 12 wholesale fireworks permits issued, at \$20.....	240 00
For 193 retail fireworks permits issued, at \$5.....	965 00
For 67 kindling fire in street permits issued, at 50 cents.....	33 50
For 2 permits to use and keep explosives in main magazines, at \$25.....	50 00
For 98 permits to use and keep explosives in hand magazines, at \$10.....	980 00
For 3 permits to sell explosives, at \$25.....	75 00
For 11 permits to transport explosives, at \$1.....	11 00
Total for licenses and permits.....	\$45,941 50

For 1 penalty for selling kerosene oil below test, at \$50.....	\$50 00
For 161 penalties for chimney fires, at \$5.....	805 00
For 3 penalties for hoistways left open, at \$50.....	150 00
Total for penalties.....	1,005 00

Total received and turned over to the Relief Fund..... \$46,946 50

## BUREAU OF INSPECTION OF BUILDINGS.

Plans and Specifications for New Buildings Filed and Acted Upon.

CLASSIFICATION.	Pending last Report.	Received since.	Total.	Approved.	Amended and Approved.	Disapproved.	Now Pending.	Total.	ESTIMATED COST.
Dwelling-houses—Estimated cost over \$50,000.....	4	4	8	3	1	1	4	4	\$285,000 00
Dwelling-houses—Estimated cost between \$20,000 and \$50,000.....	256	256	512	173	22	256	256	512	5,252,500 00
Dwelling-houses—Estimated cost less than \$20,000.....	597	597	1,194	186	342	69	597	1,194	7,658,602 00
Flats—Estimated cost over \$15,000.....	4	1,204	1,208	305	787	112	1,204	1,208	28,622,000 00
Tenement-houses—Estimated cost less than \$15,000.....	119	119	238	13	91	10	119	238	1,427,000 00
Hotels and boarding-houses.....	14	14	28	1	8	5	14	28	4,568,000 00
Stores—Estimated cost over \$30,000.....	88	88	176	10	56	20	88	176	8,516,000 00
Stores—Estimated cost between \$15,000 and \$30,000.....	28	28	56	3	23	2	28	56	476,900 00
Stores—Estimated cost less than \$15,000.....	76	76	152	38	33	5	76	152	308,300 00
Office buildings.....	32	32	64	9	20	3	32	64	4,290,800 00
Manufactories and workshops.....	132	132	264	19	93	19	132	264	4,452,480 00
School-houses.....	16	16	32	8	5	3	16	32	1,338,400 00
Churches.....	8	8	16	2	3	3	8	16	745,500 00
Public buildings—Municipal.....	9	9	18	4	2	3	9	18	1,780,500 00
Public buildings—Places of amusement, etc.....	31	31	62	4	22	5	31	62	2,581,700 00
Stables.....	112	112	224	41	64	6	112	224	984,550 00
Frame dwellings in Twenty-third and Twenty-fourth Wards.....	7	483	490	249	205	32	490	490	1,495,988 00
Other frame structures.....	333	333	666	170	96	65	333	666	315,592 00
Totals.....	11	3,538	3,549	1,128	2,026	385	3,549	3,549	\$75,099,812 00

## Plans and Specifications for Alterations to Buildings Filed and Acted Upon.

CLASSIFICATION.	Pending last Report.	Received since.	Total.	Approved.	Amended and Approved.	Disapproved.	Now Pending.	Total.	ESTIMATED COST.
Dwelling-houses.....	3	574	577	250	281	45	1	577	\$1,292,831 00
Flats.....	1	70	71	27	33	10	1	71	469,321 00
Tenement-houses.....	5	392	397	175	181	36	5	397	542,028 00
Hotels and boarding-houses.....	1	72	73	16	38	18	1	73	562,953 00
Stores.....	6	268	274	98	136	36	4	274	1,094,777 00
Office buildings.....	1	92	93	34	44	15	1	93	549,520 00
Manufactories and workshops.....	3	341	344	128	165	46	5	344	939,908 00
School-houses.....	1	26	27	16	8	3	1	27	134,700 00
Churches.....	1	19	20	4	12	3	1	20	242,300 00
Public buildings.....	1	68	69	22	33	13	1	68	875,095 00
Stables.....	1	57	58	17	33	8	1	58	173,025 00
Frame buildings.....	2	443	445	229	143	70	3	445	339,517 00
Totals.....	22	2,422	2,444	1,016	1,107	303	18	2,444	\$7,215,975 00
Special applications for erection of small frame structures.....	1	1	2	1	1	1	1	2	547

Number of applications for permits for new buildings and alterations, 4,232.

Iron beams, girders, columns, etc., inspected, 3,599.

## Complaints Received and Investigated.

NATURE.	Pending last Report.	Received since.	Total.	Unfounded.	Remitted on Verbal Notice.	Notices to be Issued.	Total.	Now Pending.
Defective flues.....	1	69	70	39	20	8	67	2
Defective construction and materials.....	6	66	72	42	5	18	65	7
Defective leaders.....	79	461	540	181	92	195	468	72
Electric current which cannot be cut off from outside of building.....	1	1	2	1	1	1	1	1
Erecting and altering without permit.....	6	108	114	69	5	39	113	1
Frame structures erected and removed without permit.....	5	195	200	98	3	97	198	2
Front iron shutters which cannot be opened from the outside.....	32	79	111	20	1	83	104	7
Hoistway openings not guarded.....	4	10	14	4	2	5	11	3
Insufficient means of escape, fire-escapes out of repair, etc.....	347	818	1,165	429	82	429	940	225
No iron shutters.....	2	12	14	3	1	11	14	1
Stairway openings floored over.....	1	5	6	1	2	3	5	1
Steam pipes too near woodwork.....	1	1	2	1	1	1	1	1
Unsafe buildings.....	32	713	745	343	52	331	726	19
Unsafe freight elevators.....	1	2	3	1	1	1	2	1
Totals.....	516	2,539	3,055	1,230	264	1,221	2,715	340

## Violations of Law and Unsafe Buildings.

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.....	208	728	936	714	1	1	58	772	164	614
Erecting, altering or removing without permit, or after disapproval.....	240	853	1,093	722	1	1	62	796	297	725
Insufficient means of escape, fire-escapes, aisles obstructed, etc.....	801	2,931	3,732	2,255	1	1	540	2,795	937	1,310
Unsafe buildings.....	231	864	1,095	778	8	1	37	823	272	46
Totals.....	1,480	5,376	6,856	4,469	8	12	697	5,186	1,670	2,695

## Passenger Elevators.

Disposition of Cases found not in Compliance with Law.

NATURE.	Pending last Report.	Received since.	Total.	Law complied with.	Now Pending.	Forwarded for Prosecution.
Defective cylinders.....	1	5	6	4	1	1
Defective guide rails and posts.....	1	3	4	2	1	1
Defective running gear.....	1	2	3	2	1	1
Doors and door-locks out of repair.....	1	8	9	8	1	2
Fronts of cars unprotected.....	42	64	106	97	9	23
Generally unsafe.....	1	3	4	3	1	1
New ropes required.....	3	36	39	37	2	4
Run by persons under 18 years of age.....	1	5	6	4	1	1
Run by incompetent persons.....	1	1	2	1	1	1
Totals.....	46	127	173	158	15	31

Number of passenger elevators inspected.....	2,546
“ “ found in good order.....	2,419



## Notices Issued.

To place fire-escapes on buildings	3,722
To remove violations of law	1,943
To repair passenger elevators	152
To remove unsafe buildings	1,372
Of disapproval of plans	933
Total	8,122

## Proceedings of Board of Examiners.

Number of meetings held	52
Number of cases acted upon	554
Number of applicants for appointment as Inspectors examined	10
Found qualified	5
Not qualified	5

## Petitions for Modification of the Law.

	APPROVED.	DISAPPROVED.	TOTAL.
New buildings	258	31	289
Alterations	183	30	213
Iron shutters	34	18	52
Totals	475	79	554

New buildings commenced	2,917
New buildings completed	3,276
Alterations commenced	1,969
Alterations completed	2,102

## Location of Buildings Commenced and Completed during the Year.

LOCATION.	COMMENCED.	COMPLETED.
South of Chambers street	13	29
Between Chambers and Houston street	190	226
Between Houston and Twenty-third street	213	198
Between Twenty-third and Fifty-ninth street	251	233
Between Fifty-ninth and One Hundred and Tenth streets, east of Fifth avenue	388	428
Between Fifty-ninth and One Hundred and Tenth streets, west of Fifth avenue	566	703
Between One Hundred and Tenth street and Harlem river, east of Eighth avenue	341	360
Between One Hundred and Tenth street and Harlem river, west of Eighth avenue	277	285
North of Harlem river, south of One Hundred and Seventy-seventh street	438	565
North of Harlem river, north of One Hundred and Seventy-seventh street	240	249
Total	2,917	3,276

## Statement Showing Number and Estimated Cost of New Buildings, Plans for which were Filed from August 1, 1880, to December 31, 1890.

YEAR.	DWELLINGS.		FLATS, APARTMENT HOUSES, TENEMENTS.		HOTELS.		STORES.		OFFICES.		WORKSHOPS.		SCHOOLS.		CHURCHES.		PUBLIC BUILDINGS, PLACES OF AMUSEMENT, ETC.		STABLES.		FRAME DWELLINGS.		OTHER STRUCTURES.		Total Number of Buildings.	TOTAL ESTIMATED COST.
	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.		
1880...	385	\$4,023,000	414	\$6,036,450	2	\$208,000	36	\$844,150	2	\$13,500	35	\$205,840	4	\$116,500	6	\$161,500	4	\$49,700	35	\$227,850	38	\$82,100	12	\$146,700	973	\$12,205,290
1881...	937	12,521,150	1,154	16,372,580	9	923,700	123	3,643,550	23	4,453,500	116	1,723,935	6	217,000	6	216,000	29	2,148,000	137	739,315	101	195,725	27	236,845	2,668	43,391,300
1882...	585	9,106,743	1,256	25,264,200	8	552,000	119	3,435,800	24	1,403,645	137	1,968,010	4	161,000	17	562,000	19	709,775	130	926,350	214	505,723	48	197,940	2,561	44,793,186
1883...	492	7,835,650	1,200	23,083,402	6	810,000	140	3,368,639	27	3,343,875	133	2,192,050	5	439,000	11	329,000	22	1,097,950	85	585,600	378	1,016,922	124	202,500	2,623	44,304,638
1884...	598	7,882,750	1,192	22,829,700	5	161,600	157	3,268,362	22	1,478,050	134	1,443,040	4	353,000	8	430,000	31	1,559,200	91	742,600	410	1,125,730	245	206,176	2,897	41,480,208
1885...	1,003	13,088,600	1,270	23,161,700	3	159,450	144	2,508,100	24	1,043,700	160	2,148,300	4	90,000	14	385,900	15	676,000	151	695,580	430	1,242,170	150	174,513	3,368	45,374,013
1886...	1,312	17,301,200	1,621	28,897,300	5	523,900	135	2,738,848	26	1,388,100	159	2,608,400	8	705,000	19	804,950	26	1,602,500	131	663,800	557	1,353,480	93	152,255	4,092	58,739,733
1887...	1,171	18,302,600	1,838	34,783,700	2	14,000	139	2,907,500	32	977,250	141	2,471,980	13	572,500	19	654,000	44	3,166,500	107	1,067,775	569	1,633,040	209	518,725	4,344	67,069,570
1888...	559	7,070,200	1,269	25,145,700	2	26,000	146	2,881,948	28	3,184,800	149	3,272,436	8	740,000	13	458,300	28	1,841,802	79	735,425	534	1,461,655	266	470,879	3,081	47,289,145
1889...	766	12,573,350	1,513	34,373,400	16	2,193,000	150	5,858,770	21	2,913,750	151	2,797,400	10	768,000	25	1,409,800	36	3,837,662	84	976,275	501	1,420,925	904	382,540	4,207	69,504,872
1890...	857	13,196,102	1,319	30,049,000	14	4,568,000	192	9,301,200	32	4,290,800	132	4,452,480	16	1,338,400	8	745,500	40	4,362,200	112	984,550	483	1,495,988	333	315,592	3,538	75,099,812
	8,665	\$122,901,345	14,076	\$269,997,132	72	\$10,139,650	1,481	\$40,756,917	261	\$24,490,970	1,441	\$25,373,871	82	\$5,500,400	146	\$6,156,950	294	\$21,051,289	1,142	\$8,345,120	4,215	\$11,533,458	2,471	\$3,004,665	34,352	\$549,251,767

## Statement Showing Number and Estimated Cost of New Buildings Completed, Plans for which were filed from August 1, 1880, to December 31, 1890.

YEAR.	DWELLINGS.		FLATS, APARTMENT HOUSES, TENEMENTS.		HOTELS.		STORES.		OFFICES.		WORKSHOPS.		SCHOOLS.		CHURCHES.		PUBLIC BUILDINGS, PLACES OF AMUSEMENT, ETC.		STABLES.		FRAME DWELLINGS.		OTHER STRUCTURES.		Total Buildings.	TOTAL ESTIMATED COST.
	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.	No.	Estimated Cost.		
1880...	360	\$3,730,900	378	\$5,148,000	2	\$203,000	33	\$828,850	2	\$13,500	34	\$294,640	4	\$116,500	6	\$161,500	4	\$49,700	29	\$199,650	26	\$61,400	11	\$146,450	889	\$10,959,090
1881...	874	12,079,050	992	13,080,000	8	903,700	115	3,608,300	18	4,445,200	105	1,550,035	5	117,000	6	216,000	29	2,148,000	126	693,325	85	169,475	28	236,845	2,391	39,256,930
1882...	568	8,951,743	1,079	22,348,200	8	552,700	104	2,924,600	23	1,403,145	122	1,772,210	4	161,000	16	555,000	19	709,775	117	783,250	201	469,743	44	196,690	2,305	40,828,056
1883...	452	7,345,000	1,032	19,681,227	6	810,000	130	3,183,589	24	3,297,375	120	2,058,500	5	439,000	10	317,000	20	847,950	76	544,800	303	1,738,072	110	118,795	2,288	40,381,308
1884...	558	7,394,050	1,066	18,045,800	5	161,600	142	3,066,162	16	1,454,285	121	1,298,965	4	353,000	8	430,000	29	1,550,000	80	722,150	300	821,250	216	199,686	2,550	35,496,948
1885...	943	12,381,100	1,157	17,291,700	3	159,450	133	2,495,500	20	1,041,000	141	1,961,850	4	90,000	12	317,900	14	666,000	131	597,605	348	909,170	103	165,478	3,012	38,079,753
1886...	1,220	16,301,700	1,452	26,215,400	4	278,900	128	2,695,448	24	1,374,600	128	2,185,900	8	705,000	17	769,950	25	1,562,500	122	641,550	526	1,262,980	57	101,010	3,711	54,094,938
1887...	1,064	16,664,400	1,525	29,625,700	2	14,000	110	2,628,726	25	546,680	117	2,283,430	12	552,500	13	549,000	37	3,028,000	87	958,310	509	1,470,240	237	499,560	3,738	58,820,546
1888...	457	6,353,700	1,071	21,617,100	1	14,000	136	2,787,748	24	3,109,350	117	2,922,886	8	740,000	11	444,300	25	1,756,802	63	566,955	464	1,256,005	233	421,756	2,610	41,990,602
1889...	746	10,269,350	1,209	25,506,400	8	1,815,000	123	4,365,980	18	2,129,750	114	1,422,450	6	258,000	18	839,800	24	2,060,662	70	692,600	427	1,201,225	869	352,505	3,632	50,913,722
1890...	150	2,408,000	398	7,685,330	2	12,500	72	955,600	15	120,850	50	532,280	3	14,023	2	36,000	7	236,200	95	412,100	218	634,000	128	64,695	1,140	13,111,548
	7,392	\$103,878,993	11,359	\$206,247,827	49	\$4,934,850	1,226	\$29,540,503	209	\$18,935,735	1,169	\$18,283,146	63	\$3,546,023	119	\$4,636,450	233	\$14,615,589	999	\$6,817,295	3,412	\$9,993,560	2,036	\$2,503,470	28,266	\$423,993,441

## Statement of the Operations of the Bureau since its Organization August 1, 1880, to 1890, inclusive.

NATURE.	AUGUST 1 TO DECEMBER 31, 1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	TOTALS.
Plans submitted for new buildings and alterations.	770	2,658	2,915	3,548	3,949	4,174	4,494	4,253	3,994	4,871	4,232	39,858
Number of new buildings	973	2,668	2,561	2,623	2,897	3,368	4,092	4,344	3,081	4,207	3,538	37,890
Estimated cost of same	\$12,205,290	\$43,391,300	\$44,793,186	\$44,304,638	\$41,480,208	\$45,374,013	\$58,739,733	\$67,069,570	\$47,289,145	\$69,504,872	\$75,099,812	\$549,251,767
Number of buildings altered	373	1,497	1,691	1,870	2,460	2,506	2,621	2,287	2,475	2,515	2,422	22,717
Estimated cost of same	\$681,136	\$4,142,070	\$4,267,181	\$4,540,436	\$4,659,532	\$7,594,825	\$5,909,314	\$6,397,985	\$7,395,960	\$6,407,944	\$7,215,975	\$59,212,358
Violations (other than fire-escapes) reported	240	761	1,086	1,134	1,975	1,536	1,184	1,106	1,560	1,630	1,581	13,798
Violations (other than fire-escapes) removed	248	838	1,070	1,239	1,894	1,565	1,198	1,157	1,446	1,607	1,578	13,840
Unsafe buildings reported	160	920	1,348	946	1,729	1,750	1,046	930	1,233	1,162	864	12,088
Unsafe buildings made safe	148	483	1,373	816	1,361	1,438	1,037	830	1,071	1,147	700	10,409
Unsafe buildings taken down	10	78	205	73	87	134	98	103	49	114	86	1,037
Buildings reported for additional means of escape in case of fire	277	544	1,443	1,562	2,662	3,043	2,231	1,720	3,174	3,058	2,931	22,650
Buildings provided with additional means of escape in case of fire	84	825	842	1,328	2,201	3,173	2,300	2,469	2,635	3,193	2,795	21,845
Passenger elevators inspected	....	....	....	....	....	381	1,724	2,015	2,576	2,444	2,546	11,686
Notices issued	1,372	4,422	6,279	5,471	9,417	8,923	8,715	5,340	8,718	8,787	8,122	75,566
Complaints received	1,285	5,030	3,237	2,465	1,907	3,253	3,190	3,275	2,831	3,002	2,539	32,014
Cases forwarded for prosecution	123	723	1,022	1,404	1,836	2,648	2,033	1,863	2,815	3,195	2,726	20,338



Number and Estimated Cost of New Buildings and Alterations for which Plans were Filed, from 1868 to 1890, both Inclusive.

YEAR.	NEW BUILDINGS.		ALTERATIONS TO BUILDINGS.		TOTALS.
	Number.	Estimated Cost.	Number.	Estimated Cost.	
1868*	2,014	\$34,517,682	†	\$2,168,045	\$36,685,727
1869*	2,348	40,352,058	†	4,228,174	44,580,232
1870*	2,351	34,668,998	†	2,816,234	37,485,232
1871*	2,782	42,585,391	†	4,351,981	46,937,372
1872*	1,728	27,884,870	1,318	2,788,379	30,673,249
1873	1,311	24,936,535	1,311	3,496,995	28,433,530
1874	1,388	16,667,417	1,429	3,532,147	20,199,564
1875	1,406	18,226,870	1,258	3,200,438	21,427,308
1876	1,379	15,903,880	1,177	3,635,478	19,539,358
1877	1,432	13,365,114	1,308	3,215,125	16,580,239
1878	1,672	15,219,680	1,209	2,621,046	17,840,726
1879	2,065	22,567,322	1,373	3,300,110	25,867,432
1880	2,252	29,115,335	1,352	3,862,111	32,977,446
1881	2,682	43,391,300	1,497	4,142,070	47,533,370
1882	2,577	44,793,186	1,691	4,267,181	49,060,367
1883	2,623	44,304,638	1,870	4,540,436	48,845,074
1884	2,897	41,480,208	2,460	4,659,532	46,139,740
1885	3,368	45,374,013	2,506	7,594,825	52,968,838
1886	4,092	58,739,733	2,621	5,909,314	64,649,047
1887	4,344	67,069,570	2,287	6,397,985	73,467,555
1888	3,031	47,289,145	2,475	7,395,660	54,684,805
1889	4,227	69,504,872	2,515	6,407,944	75,912,816
1890	3,538	75,099,812	2,422	7,215,975	82,315,787
Totals	57,507	\$873,057,629	34,079	\$101,747,485	\$974,805,114

\* In these years the cost of building was very high.

† The number of alterations for these years is not on record.

Summary and Average per Annum, New Buildings and Alterations, under the Department of Buildings 1868-1880, and under the Bureau of Inspection of Buildings 1881-1890.

	NEW BUILDINGS.		ALTERATIONS TO BUILDINGS.		TOTALS.
	Number.	Estimated Cost.	Number.	Estimated Cost.	
Summary.					
1868-1880	24,128	\$336,051,352 00	11,735	\$43,216,263 00	\$379,267,615 00
1881-1890	33,379	537,006,277 00	22,344	58,531,222 00	595,537,500 00
Average per Annum.					
1868-1880	1,856	\$25,850,104 00	1,304	\$3,324,328 00	\$29,174,432 00
1881-1890	3,338	53,700,628 00	2,234	5,853,122 00	\$59,553,750 00
Increase	1,482	\$27,850,524 00	930	\$2,528,794 00	\$30,380,444 00

Number of Plans Filed for the Erection and Alterations of Buildings, Violations of Law and Unsafe Buildings Reported, and Complaints Received from 1862 to 1890, inclusive.

NATURE.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.	1870.	1871.
Plans submitted for new buildings and alterations	41	120	210	327	4635	1,492	1,282	2,492	2,367	2,697
Violations reported other than fire-escapes	823	267	208	153	826	854	486	400	882	1,724
Buildings reported for fire-escapes	*	*	*	*	*	*	†7,306	1,893	1,979	973
Complaints received	127	295	234	267	335	426	334	306	340	263
Unsafe buildings reported	65	182	88	155	282	311	258	338	515	1,007
Total cases acted upon	1,056	864	740	902	2,078	3,083	9,665	5,429	6,083	6,664

NATURE.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.
Plans submitted for new buildings and alterations	2,327	2,136	2,211	2,023	1,850	2,004	1,874	2,261	2,355	2,658
Violations reported other than fire-escapes	513	569	817	819	576	472	934	573	567	761
Buildings reported for fire-escapes	770	2,215	1,436	1,606	1,654	1,505	1,188	678	1,402	541
Complaints received	459	570	583	600	383	487	394	499	1,884	5,030
Unsafe buildings reported	438	953	1,546	1,630	1,551	1,210	894	733	585	920
Total cases acted upon	4,507	6,443	6,593	6,678	6,014	5,678	5,344	4,744	6,793	9,913

NATURE.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	TOTAL.
Plans submitted for new buildings and alterations	2,915	3,548	3,949	4,174	4,494	4,253	3,994	4,871	4,212	69,792
Violations reported other than fire-escapes	1,086	1,134	1,975	1,536	1,184	1,106	1,560	1,650	1,581	26,076
Buildings reported for fire-escapes	1,443	1,562	2,662	3,048	2,231	1,720	3,174	3,068	2,931	46,988
Complaints received	3,237	2,465	1,907	3,253	3,190	3,275	2,831	3,002	2,539	39,515
Unsafe buildings reported	1,348	946	1,729	1,750	1,046	930	1,233	1,162	864	24,669
Total cases acted upon	10,029	9,655	12,222	13,761	12,145	11,284	12,792	13,733	12,147	207,040

\* No record.

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

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

Summary and Average per Annum, Plans Filed, Violations Reported, and Complaints Received, under the Department of Buildings, 1862-1880, and under the Bureau of Inspection of Buildings, 1881-1890.

NATURE.	SUMMARY.		AVERAGE PER ANNUM.		
	1862-1880.	1881-1890.	1862-1880.	1881-1890.	Increase.
Plans submitted for new buildings and alterations	30,704	39,088	1,616	3,909	2,293
Violations reported other than fire-escapes	12,523	13,553	659	1,355	696
Buildings reported for fire-escapes	24,605	22,383	1,295	2,238	943
Complaints received	8,786	30,729	462	3,073	2,611
Unsafe buildings reported	12,741	11,928	671	1,193	522
Total cases acted upon	89,359	117,681	4,703	11,768	7,065

Number of Unsafe Buildings Made Safe and Taken Down from 1862 to 1890, both Inclusive.

YEAR.	MADE SAFE.	TAKEN DOWN.	TOTAL.	YEAR.	MADE SAFE.	TAKEN DOWN.	TOTAL.
1862	49	16	65	1877	1,088	67	1,155
1863	96	53	149	1878	856	77	933
1864	71	37	108	1879	650	56	706
1865	86	33	119	1880	513	56	569
1866	225	32	257	1881	488	78	566
1867	335	22	357	1882	1,373	205	1,578
1868	235	22	257	1883	816	73	889
1869	305	38	343	1884	1,361	87	1,448
1870	478	52	530	1885	1,438	134	1,572
1871	892	62	954	1886	1,037	98	1,135
1872	398	38	436	1887	830	103	933
1873	819	58	877	1888	1,071	49	1,120
1874	1,466	67	1,533	1889	1,147	114	1,261
1875	1,586	90	1,676	1890	700	86	786
1876	1,531	71	1,602	Total	21,940	1,974	23,914

Summary and Average per Annum, Unsafe Buildings, under the Department of Buildings, 1862-1880, and under the Bureau of Inspection of Buildings, 1881-1890.

	MADE SAFE.	TAKEN DOWN.	TOTAL.
Summary.			
1862-1880, 19 years	11,679	947	12,626
1881-1890, 10 years	10,261	1,027	11,288
Average per Annum.			
1862-1880	615	50	665
1881-1890	1,026	103	1,129
Increase	411	53	464

Number of Cases Forwarded to the Attorney for Prosecution, from 1872 to 1890, both Inclusive.

YEAR.	NUMBER OF CASES.	YEAR.	NUMBER OF CASES.	YEAR.	NUMBER OF CASES.
1872	107	1879	240	1885	2,648
1873	247	1880*	252	1886	2,033
1874	247	1881†	123	1887	1,863
1875	628	1882	723	1888	2,815
1876	412	1883	1,022	1889	3,195
1877	200	1884	1,404	1890	2,726
1878	291	1885	1,836	Total	23,012

\* Seven months in old Department. † Five months in present Bureau.

Summary and Average per Annum, Cases Forwarded for Prosecution, under the Department of Buildings, 1872-1880, and under the Bureau of Inspection of Buildings, 1881-1890.

Summary—	Number of Cases
1872-1880, 9 years	2,624
1881-1890, 9 years	20,388
Average per Annum—	
1872-1880	292
1881-1890	1,853
Increase	1,561

#### ATTORNEY TO THE DEPARTMENT.

##### Miscellaneous Business.

NATURE.	PENDING LAST REPORT.	RECEIVED.	TOTAL.	DISPOSED OF.
Opinions required	..	11	11	11
Hotel cases—Rope fire-escapes	84	..	84	84
Total	84	11	95	95



## Violations of Law Relating to Combustibles, etc.

NATURE OF VIOLATIONS.	FOR DISPOSITION.			DISPOSED OF.							Now Pending.
	Pending last Report.	Received since.	Total.	BEFORE COMMENCEMENT OF LITIGATION.		AFTER COMMENCEMENT OF LITIGATION.					
				Recalled—Violations removed.	Recalled for other Reasons.	Violations removed before Trial.	Judgment for Department.	Penalty Paid and Discontinued.	Dismissed.	Total.	
Selling kerosene oil without license.....	7	120	127	..	87	11	6	..	18	122	5
Chimney fires.....	..	17	17	..	1	..	1	6	5	13	4
Hoistways found open after conclusion of business.....	..	13	13	..	..	..	2	1	4	7	6
Combustible materials in excessive quantity..	..	3	3	..	..	..	..	..	2	2	1
Failure to provide telegraphic communication.	1	..	1	..	..	1	..	..	..	1	..
Total.....	8	153	161	..	88	12	9	7	29	145	16

## Violations of Law Relating to Buildings.

NATURE OF VIOLATIONS.	FOR DISPOSITION.			DISPOSED OF								Now Pending.
	Pending last Report.	Received since.	Total.	BEFORE COMMENCEMENT OF LITIGATION.		AFTER COMMENCEMENT OF LITIGATION.						
				Recalled—Violations Removed.	Recalled for other Reasons.	Violations removed before Trial.	Violations removed after Judgment.	Dismissed by Court.	Dismissed for irregularity or insufficiency of Papers.	Total.		
Defective construction, materials, etc.....	193	614	807	524	41	48	13	..	14	640	167	
Erecting, altering or removing without permit or after disapproval.....	198	725	923	507	56	69	15	10	8	665	258	
Insufficient means of escape, fire-escapes, aisles obstructed, etc.....	413	1,310	1,723	782	207	167	29	2	50	1,237	486	
Unsafe buildings.....	11	46	57	..	..	28	10	..	3	41	16	
Defective elevators.....	9	31	40	34	1	..	..	..	..	35	5	
Total .....	824	2,726	3,550	1,847	305	312	67	12	75	2,618	932	

## Money Received.

Violations of Combustible laws—	
Chimney Fires.....	\$30 00
Open hoistways—Judgments.....	150 00
	\$180 00
Paid to the Treasurer of the Relief Fund of the Fire Department, as required by law.....	130 00
Balance on hand.....	\$50 00
Violations of Building laws—	
December 31, 1889, on hand.....	\$75 00
Received :	
Violation case No. 501 of 1889—Costs.....	5 00
Fire-escape case No. 1593 of 1887—Judgment.....	50 00
Violation case No. 485 of 1889—Judgment.....	100 00
Unsafe case No. 25 of 1890—Survey Fee.....	25 00
Fire-escape case No. 2092 of 1889—Costs.....	5 00
Unsafe case No. 878 of 1887—Survey fee.....	25 00
Fire-escape case No. 524 of 1890—Judgment.....	50 00
Unsafe case No. 783 of 1887—Survey fee.....	25 00
Violation case No. 1187 of 1889—Judgment.....	100 00
Fire-escape case No. 254 of 1887—Judgment.....	50 50
Violation case No. 281 of 1888—Judgment.....	100 00
Violation case No. 766 of 1883—Judgment.....	61 28
Unsafe case No. 722 of 1884—Expenses in executing precept.....	150 00
Unsafe case No. 468 of 1889—Survey fee.....	25 00
Fire-escape case No. 2463 of 1889—Judgment.....	50 00
Violation case No. 429 of 1885—Judgment.....	50 00
Fire-escape case No. 2759 of 1889—Judgment.....	50 00
Fire-escape case No. 2884 of 1889—Judgment.....	50 00
Fire-escape case No. 1089 of 1890—Judgment.....	50 00
Unsafe case No. 441 of 1888—Survey fee.....	25 00
Unsafe case No. 442 of 1888—Survey fee.....	25 00
Fire-escape case No. 2311 of 1890—Costs.....	5 00
Paid to the Comptroller, as required by law.....	\$1,160 78

## Cases Against the Department.

NAME OF PLAINTIFF.	PENDING LAST REPORT.		NATURE OF ACTION.	DISPOSED OF.	Now Pending.
	Pending.	Last Report.			
The People ex rel. Timothy Sullivan No. 1.....	1	..	Certiorari to review removal.....	..	1
The People ex rel. Timothy Sullivan No. 3.....	1	..	Certiorari to review removal.....	..	1
The People ex rel. John Davis.....	1	..	Certiorari to review removal.....	..	1
The People ex rel. William J. O'Connor.....	1	..	Certiorari to review removal.....	..	1
The People ex rel. Joseph Keegan.....	1	..	Certiorari to review removal.....	..	1
The People ex rel. John Gillespie.....	1	..	Certiorari to review removal.....	..	1
The People ex rel. Patrick H. Breen.....	1	..	Certiorari to review removal.....	..	1
The People ex rel. Alex. Hicinbotham.....	1	..	Certiorari to review removal.....	Dismissed.....	..
The People ex rel. John Brady.....	1	..	Certiorari to review removal.....	..	1
The People ex rel. John J. Finigan.....	1	..	Certiorari to review removal.....	..	1
The People ex rel. John S. Cleary.....	1	..	Certiorari to review removal.....	..	1
The People ex rel. George J. Maguire.....	1	..	Certiorari to review removal.....	..	1
The People ex rel. William A. Lines.....	1	..	Certiorari to review removal.....	..	1

NAME OF PLAINTIFF.	PENDING LAST REPORT.		NATURE OF ACTION.	DISPOSED OF.	Now Pending.
	Pending.	Last Report.			
The People ex rel. James Bohen.....	..	1	Certiorari to review removal.....	..	1
The People ex rel. James A. Bailey and another.....	..	1	Application for mandamus.....	Denied.....	..
Thomas O'Connor.....	1	..	Damages for personal injuries.....	..	1
Mary E. Pinckney, administratrix.....	1	..	Damages for personal injuries.....	..	1
James O'Brien.....	1	..	Damages for personal injuries.....	..	1
Mary Rothman, an infant, etc., vs. Isaac Fisher.....	..	1	Damages for personal injuries.....	..	1
Total.....	11	8		2	17

## FIRE-ALARM TELEGRAPH.

A very great amount of work was done in compliance with the demands of the Board of Electrical Control, in removing and transferring circuits from overhead to underground, and from lines abandoned by telegraph companies, upon which fire wires were located.

The overhead system suffered considerably from breaks and crosses, caused by the cutting down of dead wires and poles belonging to various electric companies, and an increase of the force of linemen, etc., became necessary to maintain the system in working order.

The underground system has been extended as far as was possible with the appropriation allowed. It is to be regretted that the appropriations are not much larger, in order that the work might be done more economically.

The subway work contracted for during the year is completed (with the exception of a few minor details), and the extent of the underground system is now as follows :

48 miles of cables, containing 465 miles of conductors, which are laid in 44 miles of subway ducts, of which 12½ miles of ducts were constructed by this Department.

This provides direct underground communication from the central office to and with 36 department buildings (company houses, etc.), 8 public school buildings, and 203 fire-alarm signal boxes.

Of the above there was furnished during the year as follows :

11 miles of cables, containing 135 miles of conductors, 4½ miles of subsidiary ducts, connecting 10 department buildings, 4 public school buildings, and 58 fire-alarm signal boxes.

In addition to which a number of short subsidiary ducts have been laid from the main subway in and across streets about to be newly paved, in readiness to be extended to their respective destinations, in connection with anticipated future work.

The companies, etc., which will, upon completion of the present contracts, have direct underground communications with headquarters are as follows :

Engine Companies Nos. 1, 4, 6, 7, 9, 10, 12, 13, 14, 18, 20, 22, 23, 26, 27, 29, 30, 31, 32, 33, 39, 40, 44, 54, 55, 57, and Hook and Ladder Companies Nos. 1, 2, 3, 4, 8, 9, 10, 15, 16 and 20, Repair Shops, Police Headquarters and Gate-house in Central Park.

The following companies are connected by short overhead loops with subways in their neighborhoods :

Engine Companies Nos. 2, 3, 19, 24, 34, 43 and 51, Hook and Ladder Companies Nos. 5, 12 and 21.

One hundred and eighty-one (181) miles of old wire has been taken down.

One hundred and forty-eight (148) miles of new and second-hand wire has been strung, in repairs and extensions.

One hundred and fifty-two (152) poles have been reset. Ninety-four (94) new poles have been set.

Four hundred and forty-seven (447) poles have been taken down and condemned. Thirty (30) new alarm boxes have been added to the system.

The aggregate number of signal boxes is as follows :

Street boxes.....	747
In schools.....	128
In other institutions.....	27

Special boxes in theatres, manufactories, etc.....	902
	250

Aggregate number of signal boxes in direct communication with the Department.....	1,152
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Of the street boxes, two hundred and seventy-six (276) are equipped with keyless doors, and two hundred and forty-three (243) are attached to combination lamp and signal posts.

Number of alarms and calls :

First alarms from—

Street boxes.....	1,887
Combination circuits.....	1
Special building boxes.....	15
Police Headquarters.....	5
Thermostatic Fire Alarm Company.....	4
Automatic Signal Telegraph Company.....	43
American District Telegraph Company.....	3

Second alarms..... 1,958

Third alarms..... 161

Fourth alarms..... 72

Special calls for—

Companies.....	273
Increased water pressure.....	131
Insurance patrol.....	124
Ambulances.....	233

Total alarms and calls..... 761

Messages transmitted..... 2,957

“ received..... 11,767

Total messages..... 10,514

Notice of companies leaving quarters on verbal alarms..... 22,281

1,311

## Number of Fire Alarm Keys in Use.

By the Uniformed Force.....	1,100
By others in the Department.....	9
By the Police Department.....	3,700
By the Fire Insurance Patrol.....	146
By the District Telegraph Companies.....	21
By householders.....	1,884
By citizens.....	3,334
By the Holmes Electric Protective Company.....	57
By the Public Schools.....	136
Total.....	10,387

## SANITARY STATISTICS OF THE UNIFORMED FORCE.

## Cases of Disability.

CAUSED BY	NUMBER.	DAYS LOST.
Injuries.....	120	3,699
Disease.....	497	11,033
Total.....	617	14,732



## Examinations of candidates for appointment to the Uniformed Force :

Number found qualified.....	108
Number found disqualified.....	116
Total examined .....	224

## Deaths in the Uniformed Force.

NAME	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF DEATH.	CAUSE.
Charles A. Morris.....	Fireman, 1st grade.	Engine 17....	Apr. 14, 1883	Jan. 3	{ Result of injuries received by fall through pole hole.
Walter R. Ostrander..	" 3d grade.	" 34....	Sept. 4, 1885	Feb. 8	Phthisis.
Albert J. Wilson .....	" 1st grade.	" 17....	Apr. 24, 1887	Apr. 5	Hæmoptysis.
William Lanser.....	" 1st grade.	" 13....	Aug. 3, 1882	" 15	Oedema of Lungs.
Thomas C. Kennedy...	" 1st grade.	" 36....	Oct. 10, 1873	May 13	Apoplexy.
William Daly.....	" 1st grade.	" 53....	Dec. 15, 1883	June 19	Pneumonia.
William F. Quinn .....	Engineer .....	" 29....	Mar. 1, 1883	July 21	Abscess of brain.
John H. Byrne.....	Fireman, 1st grade.	" 56....	Sept. 4, 1885	Aug. 16	Phthisis.
Michael Hart .....	Foreman.....	" 48....	Oct. 20, 1865	Oct. 9	Bright's disease.
Daniel C. Delaney ...	Fireman, 1st grade.	H. & L. 4....	Dec. 15, 1883	" 21	Phthisis.
John Bulger .....	Engineer .....	Engine 43....	Nov. 15, 1883	" 28	{ Result of injuries received while on way to fire.
Michael J. Riley, No. 2	Fireman, 1st grade.	H. & L. 20....	Dec. 1, 1882	Nov. 16	Phthisis.
Frank Leonard .....	" 1st grade.	Engine 15....	Oct. 10, 1873	" 12	Bright's disease.
Thomas C. Farron.....	" 1st grade.	" 43....	Sept. 9, 1874	Dec. 5	Phthisis.

## Death among those Relieved from Service at Fires.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	WHEN RELIEVED.	CAUSE.	DATE OF DEATH.	CAUSE.
Richard D. Hall..	Engineer ..	Engine 44..	Oct. 23, 1865	Oct. 15, 1886	Rheumatism	Sept. 25	Heart failure

## Deaths among those Retired from all Service.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF RETIREMENT.	CAUSE.	DATE OF DEATH.	CAUSE.
Dennis J. Regan..	Fireman, 1st grade.	H. & L. 19.	1871. Dec. 2	1883. Sept. 6	Broken ankle ..	Jan. 2	Heart disease.
Wm. H. Williams.	Assistant Engineer.	Engine 46.	1876. Mar. 1	1884. May 10	Heart disease..	" 24	Pneumonia.
Owen J. Shanley.	Fireman, 1st grade.	H. & L. 7.	1869. Jan. 9	1880. July 1	Loss of eyesight	June 18	{ General de- bility.
John J. Bush.....	" 1st grade.	Engine 55.	1885. Dec. 17	1890. Apr. 10	Paresis .....	Nov. 13	Paresis.

## Retired from all Service.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF RETIREMENT.	CAUSE.
John J. Bush.....	Fireman, 1st grade.....	Engine 55.....	Dec. 17, 1885	Apr. 10	Paresis.
William J. Pfadenhauer.....	Engineer .....	" 27.....	May 17, 1884	" 10	"

## Relieved from Service at Fires.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE WHEN RELIEVED.	CAUSE.
George Cusick.....	Foreman .....	Engine 25	Apr. 21, 1869	Jan. 10	Chronic rheumatism.
Albert H. Hendrickson..	Fireman, 1st grade.	" 11	Oct. 27, 1865	" 10	"
Michael F. Sheridan.....	" 1st grade.	H. & L. 14	July 14, 1879	" 10	Asthma.
Joseph McGowan.....	" 1st grade.	Engine 27	Nov. 1, 1869	Mar. 1	Heart disease; asthma.
Jacob Reiter.....	" 1st grade.	H. & L. 11	Feb. 1, 1874	" 1	{ Chronic rheumatism; near- sighted
De Witt C. Buggott.....	" 1st grade.	Engine 50	Nov. 14, 1866	Apr. 10	{ Chronic rheumatism; near- sighted.
Frank X. Werner.....	" 1st grade.	H. & L. 6	Apr. 2, 1887	" 10	Amputation right leg.
Charles L. Clark.....	" 1st grade.	Engine 20	Oct. 11, 1865	July 10	Heart disease.
Mark Smith .....	" 1st grade.	" 38	" 1, 1869	" 10	"
Moses Ryer .....	" 1st grade.	" 43	Sept. 1, 1872	" 10	Stiff knee, result of fracture.
James McNamee.....	" 1st grade.	" 53	Oct. 20, 1865	" 10	Heart disease; near-sighted.
John McCarthy, No. 1...	" 1st grade.	H. & L. 3	Aug. 22, 1866	" 10	{ Deafness; vertigo; near- sightedness.
William J. Kavanagh....	Engineer .....	Engine 12	Apr. 9, 1881	" 10	Chronic rheumatism.
Frederick D. Sasse.....	" .....	" 28	Jan. 14, 1868	" 10	{ Bright's disease; near- sighted.
Luke Gleason.....	Foreman .....	H. & L. 13	Aug. 1, 1875	" 10	{ Chronic bronchitis; deaf- ness.
William P. Daniell.....	Fireman, 1st grade.	Engine 38	Oct. 30, 1865	Dec. 10	Old age.
Charles H. Woodhull....	Engineer .....	" 8	Jan. 22, 1874	" 10	{ Chronic bronchitis; heart disease.

## APPARATUS.

## Purchased.

The following new apparatus was purchased during the year :

Three engines (see "Description of Steam Fire Engines" in another part of this report), seven four-wheeled hose tenders, one water tower, one hook and ladder truck, one boat tender, two shop wagons and two fuel wagons.

## Rebuilt.

Three hook and ladder trucks and one steam fire-engine.

## Condemned and Sold.

The following apparatus found unfit for further service in the Department was sold at public auction and the proceeds were turned into the Relief Fund :

- 1 barrel tank steam fire engine (Amoskeag No. 142), in service since 1865.
- 1 barrel tank steam fire engine (Amoskeag No. 195), in service since 1866.
- 1 U tank steam fire engine (Amoskeag No. 19), in service since 1860.
- 1 double tank chemical engine.
- 3 two-wheeled hose tenders.
- 12 fire ladders.

## REPAIR SHOPS WORK.

## Rebuilt.

- 1 four-wheeled hose tender.
- 2 Deputy Chiefs of Department wagons.
- 4 Chiefs of Battalion wagons.
- 1 express wagon.

## Extensive Repairs.

- 39 to steam fire-engines.
- 18 to hose tenders.
- 3 to hook and ladder trucks.
- 4 to Chiefs of Battalion wagons.
- 1 to light wagon.
- 1 to telegraph wagon.

## Ordinary Repairs.

- 240 to steam fire-engines.
- 89 to hose tenders.
- 19 to hose wagons.
- 10 to floating engines.
- 4 to water-towers.
- 83 to hook and ladder trucks.
- 103 to Chiefs of Battalion wagons.
- 2 to chemical engines.
- 2 to fuel wagons.
- 54 to various wagons.

## Repairs by the Wrecking Force.

- 64 to steam fire-engines.
- 16 to hose tenders.
- 3 to floating engines.
- 42 to hook and ladder trucks.
- 2 to Chiefs of Battalion wagons.
- 1 to fuel wagon.

In addition to the above a large amount of work, consisting of parts of apparatus, harness, etc., manufactured, and repairs, painting, etc., was done by the mechanical force.

## Inventory of Apparatus.

	IN SERVICE.	SPARE.	TOTAL.
Marine steam fire-engines (Engine Companies Nos. 43 and 51).....	2	..	2
{ First size.....	8	7	15
{ Second size.....	31	13	44
Steam fire-engines { Third size.....	10	3	13
{ Fourth size.....	15	..	15
{ Fifth size.....	2	..	2
Hose-tenders, four-wheeled.....	40	6	46
Hose-tenders, four-wheeled—double reel (for boat).....	1	..	1
Hose-tenders, two-wheeled .....	28	9	37
Hose-wagons, four-wheeled.....	9	1	10
Water towers .....	3	1	4
{ Turn-table, with extension ladder { 1st size....	4	..	4
{ 2d size....	1	..	1
Hook and ladder trucks. { Roller-frame, with extension ladder { 1st size ..	16	3	19
{ 2d size..	7	..	7
{ Goose-neck without extension ladder.....	3	3	6
Chemical fire-engines.....	..	5	5
Fuel wagons.....	18	..	18
Wrecking truck .....	..	1	1
Chemical fire-extinguishers.....	136	..	136
Hand-engines.....	..	3	3
Hose carriages.....	..	1	1
Hose jumpers .....	..	9	9
Supply wagon .....	..	1	1
Chief of Battalion wagons.....	12	11	23
Portable water tank.....	..	1	1

## Inventory of Hose.

	SIZE.	NUMBER OF LENGTHS.
Combination rubber.....	2 inch.	2
" .....	2½ "	2,396
Cotton, rubber lined.....	2½ "	1,824
Combination rubber.....	3 "	119
" .....	3¾ "	107
" .....	4 "	1
" .....	6 "	2
Cotton, rubber lined.....	3¾ "	28
Combination rubber.....	Tapering.	51
Total.....		4,530



## Classified Description of Steam Fire Engines.

Size.	STYLE OF—			SIZE IN INCHES OF—			Weight with Water.	When built or placed in service.	MANUFACTURER'S—		NEW BOILERS, PUMPS, ETC.		WHERE IN SERVICE.
	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.			Name.	Number.	When.	By Whom.	
1	Barrel tank.....	Drop tube.....	Double.....	8	12	4 1/4	8,800	Sept., 1865	Amoskeag Manufacturing Co..	143	Nov., 1883	New boiler, Clapp & Jones Manufacturing Co..	Spare.
1	"	"	"	8	12	4 1/4	8,800	Sept., 1866	"	191	Apr., 1883	"	"
1	"	"	"	8	12	4 1/4	8,800	Sept., 1866	"	192	Nov., 1877	New pumps, Amoskeag Manufacturing Co....	"
1	"	"	"	8	12	4 1/4	8,800	Oct., 1866	"	193	Mar., 1882	New tubes, Repair Shops.....	"
1	*Straight frame.....	"	"	8 1/2	8	4 3/4	9,600	Oct., 1872	"	284	June, 1884	New boiler, Clapp & Jones Manufacturing Co..	"
1	*Crane neck.....	"	"	7 1/2	8	4 1/2	8,000	Sept., 1874	"	494	May, 1883	{ Altered for horses, and new boiler, Clapp & Jones Manufacturing Co.....	"
1	"	"	"	7 1/2	8	4 1/2	7,320	Mar., 1879	"	527	Feb., 1880	New tubes, Repair Shops.....	"
1	"	Coil.....	"	7 1/4	8	4 1/2	7,575	Sept., 1880	Ahrens Manufacturing Co.....	252	Apr., 1884	New boiler, Clapp & Jones Manufacturing Co..	"
1	"	Drop tube.....	"	8	7	4 1/2	7,450	Oct., 1880	Clapp & Jones Manufacturing Co.	351	Nov., 1880	{ New boiler, Clapp & Jones Manufacturing Co.....	Engine 33.
1	"	"	"	8	7	5	7,450	Oct., 1880	"	352	Oct., 1880	New pump, Clapp & Jones Manufacturing Co....	" 7.
1	"	"	"	8 1/2	7	5	7,890	June, 1882	"	380	Jan., 1883	"	" 14.
1	"	"	"	8 1/2	7	5	8,110	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	"	"	" 55.
1	"	"	"	9	8	5 1/2	8,430	July, 1890	"	544	"	"	" 30.
2	U tank.....	Tubular.....	Single.....	8	12	4 3/4	6,750	Oct., 1865	Amoskeag Manufacturing Co..	147	July, 1879	New boiler, Amoskeag Manufacturing Co.....	Spare.
2	"	"	"	8	12	4 3/4	6,750	Nov., 1865	"	148	Apr., 1879	"	"
2	"	"	"	8	12	4 3/4	6,750	Dec., 1865	"	157	July, 1878	"	"
2	"	Nest tube.....	"	8	12	4 3/4	6,520	Dec., 1865	"	158	July, 1879	"	"
2	"	Tubular.....	"	8	12	4 3/4	6,750	Jan., 1866	"	159	Oct., 1888	La France Fire Engine Co.....	"
2	"	Nest tube.....	"	8	12	4 3/4	6,750	Jan., 1866	"	160	Nov., 1879	Amoskeag Manufacturing Co.....	Engine 5.
2	"	Drop tube.....	"	8	12	4 3/4	6,750	Feb., 1866	"	161	Sept., 1889	Manchester Locomotive Works...}	" 12.
2	"	"	"	8	12	4 3/4	6,750	Feb., 1866	"	162	Nov., 1874	Rebuilt and new boiler, La France Fire Engine Co.....	"
2	"	"	"	8	12	4 3/4	6,750	Mar., 1866	"	163	May, 1884	New boiler, Repair Shops.....	Spare.
2	"	"	"	8	12	4 3/4	6,750	Mar., 1866	"	164	July, 1875	Clapp & Jones Manufacturing Co..	"
2	"	Tubular.....	"	8	12	4 3/4	6,750	Apr., 1866	"	165	July, 1885	Repair Shops.....	"
2	"	Sectional coil tube....	"	8	12	4 3/4	6,750	Apr., 1866	"	166	Sept., 1888	Clapp & Jones Manufacturing Co..	"
2	"	Tubular.....	"	8	12	4 3/4	6,750	Aug., 1866	"	167	Dec., 1874	New boiler, Repair Shops.....	Engine 13.
2	Straight frame.....	Sectional coil tube....	Double.....	6 1/2	8	4 1/2	6,700	Mar., 1867	"	226	1889	{ New boiler, and rebuilt by La France Fire Engine Co.....	"
2	"	Drop tube.....	"	6 1/2	8	4 1/2	6,700	Mar., 1867	"	227	Nov., 1879	New boiler, Manchester Locomotive Works...}	" 16.
2	"	"	"	6 1/2	8	4 1/2	6,700	Mar., 1867	"	228	Aug., 1886	Clapp & Jones Manufacturing Co..	"
2	"	"	"	6 1/2	8	4 1/2	6,700	Apr., 1867	"	229	Sept., 1888	{ New coil for boiler, Clapp & Jones Manufacturing Co.....	" 28.
2	"	"	"	6 1/2	8	4 1/2	6,700	May, 1867	"	230	Oct., 1881	New boiler, Amoskeag Manufacturing Co.....	Engine 28.
2	"	"	"	6 1/2	8	4 1/2	6,700	Aug., 1868	"	295	Sept., 1879	Clapp & Jones Manufacturing Co..	" 31.
2	"	Nest tube.....	"	6 1/2	8	4 1/2	6,700	Sept., 1868	"	296	Oct., 1875	Repair Shops.....	" 21.
2	"	Tubular.....	"	6 1/2	8	4 1/2	6,700	Sept., 1868	"	301	Apr., 1882	Clapp & Jones Manufacturing Co..	" 25.
2	"	Nest tube.....	"	6 1/2	8	4 1/2	6,700	Nov., 1868	"	302	July, 1880	New tubes in boiler, Repair Shops.....	Spare.
2	Crane neck.....	"	"	7 1/4	8	4 1/2	8,250	July, 1886	La France Fire Engine Co.....	108	Feb., 1878	New boiler, Clapp & Jones Manufacturing Co..	"
2	"	Sectional coil tube....	"	7 1/2	7	4 1/2	7,240	May, 1887	Clapp & Jones Manufacturing Co	491	Aug., 1880	New pumps, " " " " " "	Spare.
2	"	Drop tube.....	"	6 1/2	8	4 1/2	6,800	Feb., 1871	Amoskeag Manufacturing Co..	359	Mar., 1886	"	Engine 27.
2	"	"	"	6 1/2	8	4 1/2	6,800	Mar., 1871	"	360	Mar., 1886	Amoskeag Manufacturing Co.....	" 39.
2	"	"	"	6 1/2	8	4 1/2	6,800	Mar., 1871	"	361	Nov., 1876	Repair Shops.....	Spare.
2	"	"	"	6 1/2	8	4 1/2	6,800	Mar., 1871	"	362	Apr., 1879	Amoskeag Manufacturing Co.....	Engine 34.
2	"	"	"	6 1/2	8	4 1/2	7,385	Mar., 1871	"	363	Aug., 1888	La France Fire Engine Co.....	" 9.
2	"	Tubular.....	"	6 1/2	8	4 1/2	7,250	June, 1873	"	437	"	"	" 24.
2	"	Drop tube.....	"	6 1/2	8	4 1/4	6,950	June, 1873	"	438	May, 1883	New boiler, Clapp & Jones Manufacturing Co..	" 23.
2	"	"	"	6 1/2	8	4 1/4	6,950	July, 1873	"	439	July, 1884	"	" 16.
2	"	"	"	6 1/2	8	4 1/4	6,950	Sept., 1873	"	440	Sept., 1883	"	Spare.
2	"	"	"	6 1/2	8	4 1/4	6,950	Sept., 1873	"	441	Apr., 1883	"	"
2	"	"	"	6 1/2	8	4 1/4	6,950	Sept., 1873	"	455	Aug., 1880	{ New pumps, new crown sheet, new tubes and sheet in furnace, Manchester Locomotive Works.....	Engine 11.
2	"	Tubular.....	"	6 3/4	8	4 1/4	6,800	Nov., 1868	Gould.....	7	1889	Rebuilt, and new boiler by La France Fire Engine Co.....	" 8.
2	"	Coil.....	"	6 3/4	8	4 1/4	6,210	July 1883	Ahrens Manufacturing Co.....	358	June, 1882	New boiler, Clapp & Jones Manufacturing Co..	" 54.
2	"	"	"	6 3/4	8	4 1/4	6,210	July, 1883	"	360	July, 1883	"	" 12.
2	"	Drop tube.....	"	7 1/2	7	4 1/2	6,550	July, 1883	Clapp & Jones Manufacturing Co	413	June, 1884	"	" 29.
2	"	"	"	7 1/2	7	4 1/2	6,485	Aug., 1883	"	415	Sept. 1880	"	" 3.
2	"	"	Rotary.....	9	"	"	6,400	July, 1884	Silsby Manufacturing Co.....	780	May, 1882	New pump, Repair Shops.....	" 16.
2	"	"	Double.....	7 1/2	7	4 1/2	6,885	July, 1885	Clapp & Jones Manufacturing Co	463	July, 1884	New boiler, Clapp & Jones Manufacturing Co..	"
2	"	Sectional coil tube....	"	7 1/2	7	4 1/2	6,740	Aug., 1886	"	473	Dec. 1880	Repair shops.....	Ward's Island.
2	"	Nest tube.....	"	7 3/4	8	4 1/2	8,230	Aug., 1888	La France Fire Engine Co.....	146	Mar. 1888	New coil in boiler, Ahrens Manufacturing Co....	Engine 13.
2	"	"	"	7 3/4	8	4 1/2	8,675	Aug., 1888	"	147	"	"	" 20.
3	Harp tank.....	Drop tube.....	Single.....	7 3/4	9 1/2	4 1/4	5,550	May, 1861	Amoskeag Manufacturing Co..	36	"	"	" 32.
3	"	"	"	7 3/4	9	4 3/8	5,700	Dec., 1876	"	516	"	"	" 27.
3	"	Nest tube.....	"	7 3/4	9	4 3/8	5,700	Feb., 1877	"	517	Apr., 1884	"	"
3	"	"	"	7 3/4	9	4 3/8	5,700	Feb., 1877	"	519	1890	{ Rebuilt, and new boiler by La France Fire Engine Co.....	Engine 37.
3	"	"	"	7 3/4	9	4 3/8	5,700	Feb., 1877	"	520	July, 1888	New boiler, La France Fire Engine Co.....	" 38.
3	Straight frame.....	Coil.....	"	8	7	5	4,665	July, 1883	Ahrens Manufacturing Co.....	354	June, 1882	{ New tubes in boiler, Clapp & Jones Manufacturing Co.....	" 37.
3	"	"	"	8	7	5	4,665	July, 1883	"	356	1889	Rebuilt, and new boiler by La France Fire Engine Co.....	"
3	Horizontal.....	Tubular.....	"	6	10	4 1/2	"	Aug., 1865	Clapp.....	"	"	"	" 45.
3	Crane neck.....	Nest tube.....	Double.....	8 1/4	6	4 1/2	7,490	1889	La France Fire Engine Co.....	165	Jan., 1867	New boiler, Amoskeag Manufacturing Co.....	Randall's Island.
3	"	"	"	8 1/4	6	4 1/2	7,420	1889	"	164	"	"	Engine 56.
3	"	"	"	8 1/4	6	4 1/2	7,450	1889	"	163	"	"	" 6.
3	"	"	"	8 1/4	6	4 1/2	7,450	1889	"	163	"	"	" 26.



Size.	STYLE OF—			SIZE IN INCHES OF—			Weight with Water.	When built or placed in service.	MANUFACTURER'S—		NEW BOILERS, PUMPS, ETC.		WHERE IN SERVICE.
	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.			Name.	Number.	When.	By Whom.	
3	Crane neck.....	Nest tube.....	Double.....	8½	6	4%	7,710	July, 1890	La France Fire Engine Co.....	187	.....	.....	Engine 35.
3	".....	".....	".....	8½	6	4%	7,720	July, 1890	".....	186	.....	.....	" 17.
4	".....	Drop tube.....	".....	9¼	6	5½	5,750	July, 1881	Clapp & Jones Manufacturing Co.	359	.....	.....	" 10.
4	".....	".....	".....	9¼	6	5½	5,750	July, 1881	".....	362	.....	.....	" 44.
4	".....	".....	".....	9¼	6	5½	5,750	July, 1881	".....	365	.....	.....	" 53.
4	".....	".....	".....	9¼	6	5½	5,300	Oct., 1881	".....	368	.....	.....	" 33.
4	".....	".....	".....	9¼	6	5½	5,300	Oct., 1881	".....	370	.....	.....	" 40.
4	".....	".....	".....	9¼	6	5½	5,300	Nov., 1881	".....	371	.....	.....	" 49.
4	".....	".....	".....	9¼	6	5½	5,300	Dec., 1881	".....	375	.....	.....	" 41.
4	".....	".....	".....	9¼	6	5½	5,950	April, 1884	".....	430	.....	.....	" 18.
4	".....	".....	".....	9¼	6	5½	5,950	April, 1884	".....	432	.....	.....	" 22.
4	".....	".....	".....	9¼	6	5½	5,950	May, 1884	".....	433	.....	.....	" 47.
4	".....	".....	".....	9¼	6	5½	5,950	May, 1884	".....	434	.....	.....	" 2.
4	".....	".....	".....	9¼	6	5½	5,950	May, 1884	".....	436	.....	.....	" 26.
4	".....	".....	".....	9¼	6	5½	5,950	June, 1884	".....	438	.....	.....	" 36.
4	Straight frame.....	".....	".....	9¼	6	5½	4,750	July, 1883	".....	409	.....	.....	" 48.
4	".....	".....	".....	9¼	6	5½	4,745	Aug., 1883	".....	417	.....	.....	" 46.
5	Crane neck.....	".....	".....	7½	6	4%	4,680	Nov., 1882	".....	397	.....	.....	" 50.
5	".....	".....	".....	7½	6	4%	5,030	Nov., 1884	".....	452	.....	.....	" 52.
1	Marine engine.....	Tubular.....	".....	11	12	5	.....	May, 1875	{ Amoskeag Manufacturing Co., pumps.....	{ 513 } { 514 }	May, 1882 Dec., 1886	New legs in boiler..... Repairs to boiler, hull, etc..... Extensive repairs to boat, under contract.....	" 43.
1	".....	".....	".....	16	9	7½	.....	April, 1883	{ Clapp & Jones Manufacturing Co., pumps.....	{ 405 } { 406 }	June, 1886	New legs in boilers, new fresh water tanks and connections.....	" 51.

\* Formerly self-propellers.

## Classified Description of Hose Tenders, Hose Wagons, Boat Tenders, Water Towers, Water Tank and Wrecking Truck.

STYLE.	MANUFACTURER.	WHEN BUILT OR PLACED IN SERVICE.	REGISTERED NO.	WHERE USED.	STYLE.	MANUFACTURER.	WHEN BUILT OR PLACED IN SERVICE.	REGISTERED NO.	WHERE USED.
Four-wheel hose tenders.....	Dep't Repair Shops.....	.....	33	Spare.	Four-wheel hose tenders.....	Gleason & Bailey Mfg. Co.....	1889	83	H. & L. Co. 19.
".....	".....	1865	13	Eng. Co. 52.	Two-wheel hose tenders.....	Dept. Repair Shops.....	.....	19	Eng. Co. 2.
".....	".....	1875	35	Spare.	".....	".....	.....	20	" 32.
".....	".....	1877	37	"	".....	".....	.....	21	" 6.
".....	".....	1877	38	"	".....	".....	.....	12	" 13.
".....	".....	1881	42	"	".....	".....	.....	24	" 16.
".....	Fire Extinguisher Mfg. Co.....	1882	43	Eng. Co. 1.	".....	".....	.....	25	" 27.
".....	".....	1882	45	" 21.	".....	".....	.....	27	" 55.
".....	".....	1882	46	" 23.	".....	".....	.....	28	" 55.
".....	".....	1882	48	" 44.	".....	".....	.....	13	Spare.
".....	".....	1882	34	Spare.	".....	".....	.....	22	Eng. Co. 12.
".....	P. J. Nevins.....	1882	49	Eng. Co. 48.	".....	".....	.....	23	" 12.
".....	J. U. Bauchelle.....	1883	51	" 24.	".....	Amoskeag Mfg. Co.....	.....	17	" 49.
".....	".....	1883	52	" 26.	".....	".....	.....	11	Spare.
".....	".....	1883	54	" 36.	".....	Amoskeag Mfg. Co.....	.....	7	Eng. Co. 18.
".....	".....	1883	55	" 37.	".....	".....	.....	8	" 49.
".....	".....	1883	56	" 42.	".....	Amoskeag Mfg. Co.....	.....	9	Spare.
".....	".....	1883	57	" 45.	".....	".....	.....	10	"
".....	".....	1883	58	" 47.	".....	Dept. Repair Shops.....	1866	1	Engine Co. 25.
".....	".....	1883	59	" 50.	".....	Amoskeag Mfg. Co.....	1866	15	Spare.
".....	Fire Extinguisher Mfg. Co.....	1884	60	" 3.	".....	Dept. Repair Shops.....	1867	2	Eng. Co. 5.
".....	".....	1884	61	" 10.	".....	".....	1868	3	" 17.
".....	".....	1884	62	" 18.	".....	Amoskeag Mfg. Co.....	1868	4	" 31.
".....	".....	1884	63	" 27.	".....	Allerton Mfg. Co.....	1869	5	" 33.
".....	".....	1884	64	" 30.	".....	Dept. Repair Shops.....	1871	29	" 12.
".....	".....	1884	65	" 53.	".....	".....	1871	30	Spare.
".....	".....	1885	66	" 52.	".....	".....	1872	31	Eng. Co. 7.
".....	Gleason & Bailey Mfg. Co.....	1886	68	" 16.	".....	".....	1872	32	Spare.
".....	".....	1886	69	" 19.	".....	".....	1876	36	Eng. Co. 26.
".....	".....	1886	70	" 22.	".....	".....	1879	39	" 35.
".....	".....	1886	72	" 34.	".....	".....	1880	41	Spare.
".....	".....	1886	73	" 39.	".....	".....	1880	40	Eng. Co. 29.
".....	".....	1886	74	" 40.	".....	".....	1882	44	" 20.
".....	".....	1887	76	" 11.	".....	".....	1882	47	" 32.
".....	".....	1887	77	" 36.	".....	".....	1883	50	" 13.
".....	William Cole & Co.....	1887	75	" 46.	".....	".....	1883	53	" 33.
".....	Gleason & Bailey Mfg. Co.....	1888	79	" 5.	".....	".....	1885	67	Spare.
".....	".....	1888	80	" 8.	".....	".....	1886	71	Eng. Co. 41.
".....	".....	1888	81	" 9.	Four-wheel hose wagons.....	E. B. Preston & Co.....	1839	1	" 38.
".....	".....	1888	82	" 15.	".....	".....	1889	2	H. & L. Co. 19.
".....	".....	1888	78	" 28.	".....	Gleason & Bailey Mfg. Co.....	1890	3	Eng. Co. 24.
".....	".....	1889	84	" 31.	".....	".....	1890	4	" 4.
".....	".....	1889	85	" 54.	".....	".....	1890	5	" 14.
".....	".....	1889	86	" 35.	".....	".....	1890	6	" 30.
".....	".....	1889	87	" 56.	".....	".....	1890	7	" 13.
					".....	".....	1890	8	" 20.
					".....	".....	1890	9	" 33.



STYLE.	MANUFACTURER.	WHEN BUILT OR PLACED IN SERVICE.	REGISTERED NO.	WHERE USED.	STYLE.	MANUFACTURER.	WHEN BUILT OR PLACED IN SERVICE.	REGISTERED NO.	WHERE USED.
Four-wheel hose wagons .....	Gleason & Bailey Mfg. Co.....	1890	10	(Boat tender).	Four-wheel water tower.....	Fire Extinguisher Mfg. Co.....	1885	3	Eng. Co. 7.
Four-wheel double-reel boat tender..	Dept. Repair Shops.....	1889	1	H. & L. Co. 15.	" .....	Kansas City Supply Co.....	1890	4	" 7.
Four-wheel water tower.....	A. Greenleaf.....	1879	1	Spare.	Four-wheel water-tank.....	Dept. Repair Shops.....	1883	1	" 20.
" .....	" .....	1883	2	H. & L. Co. 3.	Four-wheel wrecking truck.....	" .....	1879	1	H. & L. Co. 11.

## Classified Description of Hook and Ladder Trucks.

SIZE.	STYLE.	LONGEST LADDER.	MANUFACTURER.	WHEN BUILT OR PLACED IN SERVICE.	DEPARTMENT REGISTERED NO.	REBUILT, ETC.	WHERE USED.
1st .....	Turn-table.....	92 feet extension .....	Fire Extinguisher Manufacturing Co.....	Sept., 1888	33	.....	Hook and Ladder Co. 4.
1st .....	" .....	85 " .....	La France Fire Engine Co.....	1886	30	.....	" 3.
1st .....	" .....	85 " .....	" .....	June, 1886	31	.....	" 12.
1st .....	" .....	85 " .....	" .....	July, 1887	32	.....	" 16.
1st .....	Roller frame .....	73 " .....	Fire Extinguisher Manufacturing Co.....	May, 1883	24	Repair Shops, 1887.....	" 6.
1st .....	" .....	73 " .....	Fire Department Repair Shops.....	" 1872	28	Gleason & Bailey Manufacturing Co..	" 8.
1st .....	" .....	73 " .....	" .....	1879	18	.....	" 19.
1st .....	" .....	73 " .....	Fire Extinguisher Manufacturing Co.....	July, 1883	26	.....	" 15.
1st .....	" .....	72 " .....	Fire Department Repair Shops.....	1872	13	.....	Spare, 4th Battalion.
1st .....	" .....	72 " .....	" .....	1873	15	.....	" 10th "
1st .....	" .....	70 " .....	" .....	Dec., 1869	6	.....	Hook and Ladder Co. 1.
1st .....	" .....	70 " .....	" .....	Nov., 1871	10	Repair Shops, 1889.....	" 2.
1st .....	" .....	70 " .....	" .....	May, 1872	11	.....	" 7.
1st .....	" .....	70 " .....	Fire Extinguisher Manufacturing Co.....	June, 1883	25	.....	" 9.
1st .....	" .....	70 " .....	Allerton Manufacturing Co.....	1870	8	.....	" 9.
1st .....	" .....	70 " .....	" .....	1870	9	.....	Spare 4th Battalion.
1st .....	" .....	70 " .....	Fire Department Repair Shops.....	.....	36	Gleason & Bailey Manufacturing Co..	Hook and Ladder Co. 13.
1st .....	" .....	70 " .....	Gleason & Bailey Manufacturing Co.....	Oct., 1890	37	.....	" 21.
1st .....	" .....	65 " .....	Fire Department Repair Shops.....	Jan., 1869	7	.....	" 5.
1st .....	" .....	65 " .....	" .....	1873	14	.....	" 5.
1st .....	" .....	65 " .....	" .....	1881	19	.....	" 11.
1st .....	" .....	65 " .....	" .....	1878	17	.....	" 20.
1st .....	" .....	65 " .....	" .....	1872	12	Repair Shops, 1885.....	" 18.
2d .....	Turn-table.....	75 " .....	La France Fire Engine Co.....	July, 1888	34	.....	" 14.
2d .....	Roller frame .....	50 " .....	Fire Department Repair Shops.....	Sept., 1877	16	.....	" 17.
2d .....	" .....	50 " .....	Fire Extinguisher Manufacturing Co.....	1883	27	.....	Engine Company 38.
2d .....	" .....	50 " .....	Fire Department Repair Shops.....	1882	20	.....	" 47.
2d .....	" .....	50 " .....	" .....	Sept., 1882	22	.....	" 50.
2d .....	" .....	50 " .....	Fire Extinguisher Manufacturing Co.....	June, 1885	29	.....	" 52.
2d .....	" .....	50 " .....	" .....	1882	23	.....	Hook and Ladder Co. 19.
2d .....	" .....	50 feet .....	Fire Department Repair Shops.....	April, 1882	21	.....	Engine Company 48.
3d .....	Goose neck.....	40 " .....	.....	Before 1865	4	.....	" 49.
3d .....	" .....	40 " .....	.....	" 1865	3	.....	12th Battalion.
3d .....	" .....	40 " .....	.....	" 1865	2	.....	Spare, Ward's Island.
3d .....	" .....	40 " .....	.....	" 1865	35	.....	" H. & L. 9.
3d .....	" .....	30 " .....	.....	" 1865	5	.....	" " 19.
3d .....	" .....	30 " .....	.....	" 1865	1	.....	" Randall's Island.

## HORSES.

December 31, 1889, number of horses on hand.....	363
Purchased since .....	40
	403
Died .....	11
Sold .....	24
	35

December 31, number on hand..... 368

## On Probation.

December 31, 1889.....	5
Received .....	137
	142
Accepted.....	40
Rejected .....	85
	125

Remaining on probation December 31 .....

## DEPARTMENT BUILDINGS AND SITES.

## New Buildings.

The following, in course of construction at last report, were completed :  
The new hospital and training stables at Nos. 133 and 135 West Ninety-ninth street, which was occupied on April 15.  
The new apparatus-house at No. 432 West Thirty-sixth street, which was occupied by Hook and Ladder Company No. 21 on June 1.  
The new apparatus house on the south side of West One Hundred and Thirteenth street, sixty feet west of Amsterdam avenue.  
Contracts were executed for new quarters of Engine Company No. 35, at No. 223 East One Hundred and Nineteenth street, and for Engine Company No. 42 on Fulton avenue, between One Hundred and Sixty-seventh and One Hundred and Sixty-eighth streets.  
A building was also erected under contract for temporary quarters of Engine Company No. 42, on the same block, pending the rebuilding of the company's permanent quarters.

## Alterations and Repairs to Buildings.

Extensive alterations and repairs, under contract, were made to the following buildings :  
Engine Companies Nos. 2, 7, 19, 25, 33, 38, 46, and Hook and Ladder Companies Nos. 2 and 4, and Storehouse located at No. 180 Clinton street.  
Other less extensive repairs and alterations were made to the quarters of Engine Companies Nos. 6, 9, 13, 14, 16, 28, 32, 41, and Hook and Ladder Companies Nos. 1, 3, 6, 16, 19, Water Tower No. 2 and Headquarters.  
Ordinary repairs, involving various kinds of mechanical work, were also made to the buildings of the Department, aggregating two hundred and seven different jobs of work.

## New Sites.

In the Departmental Estimate for 1891, new sites for apparatus houses were asked for in the following localities :

- One Hundred and Tenth street and Fifth avenue.
- One Hundred and Eighty-first street and Tenth avenue.
- One Hundred and Forty-ninth street and Cypress avenue.
- One Hundred and Seventy-seventh street and Morris avenue.
- One Hundred and Forty-fifth street and Seventh avenue.
- One Hundred and Thirty-seventh street and Willis avenue.
- One Hundred and Sixty-first street and Forrest avenue.

No addition to the number of companies north of One Hundred and Tenth street has been made since the annexation of the territory north of the Harlem river in 1874. The demand is fully justified by the rapid and continued growth of these sections in population and buildings, and especially by the increase in the number of fires, which is more than 100 per cent.

## Buildings and Sites Occupied by or under Control of the Department.

Headquarters—Office of Commissioners, Bureaus—Chief of Department, Inspector of Combustibles, Fire Marshal and Superintendent of Buildings, and Offices of Attorney, Fire Alarm Telegraph and Medical Officers, and School of Instruction, Nos. 157 and 159 East Sixty-seventh street, with drill yard in rear, extending to Sixty-eighth street.  
Night-quarters, Chief of Department, No. 15 Great Jones street.  
Headquarters, Deputy Chief of Department (First District), No. 155 Mercer street. (Hook and Ladder Company No. 20, in same building at No. 157 Mercer street.)  
Headquarters, Deputy Chief of Department (Second District), No. 165 West Twenty-ninth street. (Engine Co. No. 1.)  
Repair Shops, Nos. 130 and 132 West Third street.  
Hospital Stables, Nos. 133 and 135 West Ninety-ninth street,  
Bell-tower and lookout, Mount Morris square.  
Lookout, southwest corner of Tenth street and Sixth avenue (Jefferson Market Court-house.)  
Engine Company No. 1, No. 165 West Twenty-ninth street.  
" " 2, No. 530 West Forty-third street. (Fuel Depot No. 13.)  
" " 3, No. 417 West Seventeenth street. (Fuel Depot No. 10.)  
" " 4, No. 39 Liberty street.  
" " 5, No. 340 East Fourteenth street.  
" " 6, No. 100 Cedar street.  
" " 7, No. 22 Chambers street. †  
" " 8, No. 165 East Fifty-first street.  
" " 9, No. 55 East Broadway.  
" " 10, No. 8 Stone street.  
" " 11, No. 437 East Houston street.  
" " 12, No. 261 William street.  
" " 13, No. 99 Wooster street.  
" " 14, No. 14, East Eighteenth street.  
" " 15, No. 269 Henry street.  
" " 16, No. 223 East Twenty-fifth street.



Engine Company No. 17,	No. 91 Ludlow street.
"	18, No. 132 West Tenth street. (Fuel Depot No. 8.)
"	19, No. 355 West Twenty-fifth street. (Fuel Depot No. 11.)
"	20, No. 47 Marion street.
"	21, No. 216 East Fortieth street.
"	22, No. 159 East Eighty-fifth street. (Fuel Depot No. 16.)
"	23, No. 235 West Fifty-eighth street. (Fuel Depot No. 15.)
"	24, No. 78 Morton street. (Fuel Depot No. 7.)
"	25, No. 342 Fifth street.
"	26, No. 220 West Thirty-seventh street.
"	27, No. 173 Franklin street.
"	28, No. 604 East Eleventh street.
"	29, No. 193 Fulton street. (Hook and Ladder Company No. 10, in same building.)
"	30, No. 253 Spring street.* (Fuel Depot No. 6.)
"	31, No. 116 Leonard street.
"	32, No. 108 John street.*
"	33, No. 15 Great Jones street.
"	34, No. 440 West Thirty-third street.
"	35, No. 223 East One Hundred and Nineteenth street (temporarily at No. 209 East One Hundred and Twenty-second street).
"	36, No. 2333 Park avenue.
"	37, No. 83 Lawrence street.
"	38, Tenth avenue, between One Hundred and Fifty-fourth and One Hundred and Fifty-fifth streets.
"	39, No. 157 East Sixty-seventh street. (Department Headquarters and Hook and Ladder Company No. 16, in same building.)
"	40, No. 153 West Sixty-eighth street.
"	41, No. 501 North Third avenue.
"	42, Fulton avenue, between One Hundred and Sixty-seventh and One Hundred and Sixty-eighth streets (temporary quarters on same block).
"	43, (Floating engine "William F. Havemeyer"), foot of Clinton street, East river.
"	44, No. 221 East Seventy-fifth street.
"	45, North side Tremont avenue, between Southern Boulevard and Vyse street.
"	46, Morris street, between Madison and Washington avenues.*
"	47, No. 766 Amsterdam avenue. (Fuel Depot No. 17.)
"	48, Webster (formerly Thomas) avenue, near Kingsbridge road.
"	49, Blackwell's Island.
"	50, No. 749 East One Hundred and Sixty-sixth street. (Fuel Depot No. 22.)
"	51, (Floating engine "Zophar Mills"), foot of West Thirteenth street.
"	52, Riverdale avenue, near junction of Westchester avenue.
"	53, No. 175 East One Hundred and Fourth street. (Fuel Depot No. 18.)
"	54, No. 304 West Forty-seventh street.
"	55, No. 173 Elm street.
"	56, No. 120 West Eighty-third street.
Hook and Ladder Company No. 1,	No. 26 Chambers street.†
"	2, No. 126 East Fiftieth street. (Fuel Depot No. 14.)
"	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. (Engine Company No. 29, in same building.)
"	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, No. 159 East Sixty-seventh street. (Department Headquarters and Engine Company No. 39, in same building.)
"	17, No. 589 East One Hundred and Forty-third street. (Fuel Depot No. 21).
"	18, No. 84 Attorney street.
"	19, Ogden avenue, between Birch and Union streets.*
"	20, No. 157 Mercer street.
"	21, No. 432 West Thirty-sixth street.
Fuel Depot No. 1,	No. 28 Beaver street.†
"	2, No. 5 Duane street.
"	3, No. 304 Washington street.
"	4, No. 180 Clinton street.
"	5, No. 199 Chrystie street.
"	6 (see Engine Company No. 30).
"	7 (see Engine Company No. 34).
"	8 (see Engine Company No. 18).
"	9, No. 106 East Thirteenth street.
"	10 (see Engine Company No. 3).
"	11 (see Engine Company No. 19).
"	12, No. 160 East Thirty-third street.
"	13 (see Engine Company No. 2).
"	14 (see Hook and Ladder Company No. 2).
"	15 (see Engine Company No. 23).
"	16 (see Engine Company No. 22).
"	17 (see Engine Company No. 47).
"	18 (see Engine Company No. 53).
"	19, No. 209 East One Hundred and Twenty-second street.
"	20, No. 58 Lawrence street.
"	21 (see Hook and Ladder Company No. 17).
"	22 (see Engine Company No. 50).
Storehouse,	No. 20 Eldridge street.
"	No. 180 Clinton street. (Fuel Depot No. 4.)
"	No. 199 Chrystie street. (Fuel Depot No. 5).
"	Division street, near Boston road.
"	No. 160 East Thirty-third street. (Fuel Depot No. 12 and Supply Room.)

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

## RECEIPTS AND DISBURSEMENTS OF THE RELIEF FUND—1871-1890.

## Receipts.

FROM—	1871 TO 1889, INCLUSIVE.	1890.	TOTAL.
Metropolitan Fire Department Relief Fund .....	\$7,340 07	.....	\$7,340 07
Fines .....	22,894 30	\$2,278 08	25,172 38
Donations .....	5,688 00	5,000 00	10,688 00
Penalties .....	12,730 10	300 00	13,030 10
Oil licenses .....	617,458 00	41,810 00	659,268 00
Fireworks permits .....	10,320 25	1,205 00	11,525 25
Interest .....	314,007 74	25,073 21	339,080 95
Foreign insurance tax .....	112,635 73	.....	112,635 73
Powder licenses .....	4,270 50	205 00	4,475 50
Special permits .....	8,726 00	1,572 00	10,298 00
Chimney fires .....	5,741 50	835 00	6,576 50

FROM—	1871 TO 1889, INCLUSIVE.	1890.	TOTAL.
Fire in street permits .....	\$773 25	\$33 50	\$806 75
Sales—Seized combustibles .....	170 92	.....	170 92
Sales—Sample oils .....	88 41	.....	88 41
Excise licenses .....	333,533 50	75,387 00	408,920 50
Absences without leave .....	1,853 16	.....	1,853 16
Special leaves .....	17,616 41	4,292 17	21,908 58
Sales—Condemned horses, etc. ....	9,602 75	1,363 05	10,965 80
New York State Dairy Commission .....	4,312 50	2,293 75	6,606 25
Permits for sale, use, etc., of explosives .....	937 00	1,116 00	2,053 00
Totals .....	\$1,490,700 09	\$162,763 76	\$1,653,463 85

## Disbursements.

	1871 TO 1889, INCLUSIVE.	1890.	TOTAL.
Premium on City Bonds .....	\$2,700 00	.....	\$2,700 00
Salaries .....	18,227 31	.....	18,227 31
Expense Account .....	13,590 41	.....	13,590 41
Pay of Relieved Men .....	148,504 59	\$42,957 93	191,462 52
Pensions of Retired Men .....	408,903 58	48,096 17	456,999 75
Pensions of Widows and Orphans .....	272,427 75	39,988 55	312,416 30
Totals .....	\$864,353 64	\$131,042 65	\$995,396 29

## Recapitulation.

Receipts, June 1, 1871, to December 31, 1890 .....	\$1,653,463 85
Disbursements, June 1, 1871, to December 31, 1890 .....	995,396 29
December 31, 1890, Balance on hand .....	\$658,067 56

## Receipts and Disbursements of the New York Fire Department Life Insurance Fund, 1871 to 1890.

## Receipts.

1871 to 1889, inclusive .....	\$221,475 87
1890 .....	19,578 00
Total Receipts .....	\$241,053 87

## Disbursements.

1871 to 1889, inclusive .....	\$219,000 00
1890 .....	19,000 00
Total Disbursements .....	\$238,000 00
December 31, 1890, Balance on hand .....	\$3,053 87

## NEW YORK FIRE DEPARTMENT LIFE INSURANCE FUND.

Dec. 31, 1889	Balance on hand .....	.....	\$2,475 87
" 31, 1890	Receipts:		
	For assessments .....	\$19,578 00	
			19,578 00
Dec. 31, 1890	Disbursements:		\$22,053 87
	To administratrix of John J. Habberlin .....	\$1,000 00	
	To widow of Dennis Regan .....	1,000 00	
	Charles H. Morris .....	1,000 00	
	William H. Williams .....	1,000 00	
	To administrator of Walter R. Ostrander .....	1,000 00	
	To widow of Albert J. Wilson .....	1,000 00	
	Thomas Halloran .....	1,000 00	
	Thomas C. Kennedy .....	1,000 00	
	Owen J. Shandley .....	1,000 00	
	To administrator of William Daly .....	1,000 00	
	To widow of William J. Lansar .....	1,000 00	
	To administrator of William T. Quinn .....	1,000 00	
	To widow of John H. Byrne .....	1,000 00	
	To administratrix of John J. Byrnes .....	1,000 00	
	To widow of Richard D. Hall .....	1,000 00	
	Michael Hart .....	1,000 00	
	John Bulger .....	1,000 00	
	Frank Leonard .....	1,000 00	
	Michael J. Riley .....	1,000 00	
			19,000 00
Dec. 31, 1890	Balance .....	.....	\$3,053 87

Very respectfully,

HENRY D. PURROY,  
S. HOWLAND ROBBINS,  
ANTHONY EICKHOFF,  
Commissioners.

CARL JUSSEN, Secretary.



## DEPARTMENT OF DOCKS.

At a special meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Tuesday, September 22, 1891.

Present—President Post.  
" Commissioner Cram.  
" Phelan.

The President proceeded to open the estimates for removing the existing earth, etc., between the westerly side of West street and a line fifty feet westerly therefrom, and from the northerly side of Franklin street, extended, to about the southerly side of Vestry street, extended, and preparing for and paving the same with granite or Staten Island syenite blocks, laying crosswalks and building the necessary drains or sewers under Contract No. 392, the opening of which was postponed September 17, 1891, a representative of the Comptroller being present.

Five estimates were received as follows:

1. From Charles Guidet, with security deposit, \$500.....	\$28,918.61
2. " F. Thilemann, Jr. " " 500.....	26,229.50
3. " Joseph Moore, " " 500.....	27,000.00
4. " Matthew Baird, " " 500.....	25,384.00
5. " William H. Morton, " " 500.....	38,993.00

On motion, the Secretary was directed to transmit to the Comptroller the security deposits made by said bidders and accompanying their estimates.

President Post moved that the award of the contract be postponed until after the next meeting of the Commissioners of the Sinking Fund.

Commissioner Cram offered as an amendment the following resolution:

Resolved, That the contract opened this day for removing the existing earth, etc., between the westerly side of West street and a line fifty feet westerly therefrom, and from the northerly side of Franklin street, extended, to about the southerly side of Vestry street, extended, and preparing for and paving the same with granite or Staten Island syenite blocks, laying crosswalks and building the necessary drains or sewers, be and hereby is awarded to Matthew Baird, be being the lowest bidder, upon the approval of the sureties by the Comptroller.

The amendment was carried by the affirmative votes of Commissioners Cram and Phelan, the President voting in the negative.

On motion, the award of the contract for preparing for and extending Piers, old 57 and 58, with appurtenances near the foot of Bloomfield street, North river, and for repairing the existing crib-bulkhead at Pier, old 58, under Contract No. 395, was further extended until Thursday, October 1, 1891.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

At a meeting of the Board of Docks of the City of New York, held at the office of the Board, Pier "A," Battery place, Thursday, September 24, 1891.

Present—President Post.  
" Commissioner Cram.  
Absent— " Phelan.

The minutes of the meetings held the 17th and 18th instant were read and approved.

A representative of the Central Railroad Company of New Jersey appeared and requested, on behalf of said company, that its interests at Piers, old 12, 13 and 14, North river, be protected while the contemplated improvements of the water-front thereat are being made.

On motion, the consideration of this subject was tabled until Thursday, October 1, 1891.

A representative of the West Shore Railroad appeared before the Board in response to the notice requiring him to show cause why a penalty should not be imposed upon said company for permitting refuse to be thrown into the slip north of Pier 5, North river, in violation of Rule No. 12 of the Rules and Regulations.

On motion, a penalty of twenty-five dollars (\$25) was imposed.

A representative of S. V. Tripp appeared in response to the order to show cause why a penalty should not be imposed upon Mr. Tripp for violation of Rule No. 12 of the Rules and Regulations.

On motion, a penalty of twenty-five dollars (\$25) was imposed.

The following communications were received, read, and,

Upon motion, tabled:

From John W. Flaherty—Requesting that the time to complete the work of extending Pier, new 37, North river, under Contract No. 372, be extended until September 17, 1891, together with a report from the Engineer-in-Chief of the completion of the aforesaid work of extending said pier.

From Chester W. Chapin—Requesting permission to build a pier between Piers 39 and 40, East river, in accordance with plan submitted, and asking the consent of the Board to the removal of so much of the screw dock located upon said premises as shall be necessary to enable the construction of said pier.

The following communications were received, read, and,

On motion, ordered to be placed on file, viz.:

From the Counsel to the Corporation:

1st. Approving specifications and form of contract for building a crib-bulkhead from Ninety-seventh to Ninety-ninth street, North river, under Contract No. 399.

2d. Requesting maps and a technical description of the following property, to be used in connection with the condemnation proceedings of September 17, 1891:

1st. Between Thirty-fourth and Thirty-fifth streets, North river.

2d. Between Thirty-fifth and Thirty-sixth streets, North river.

3d. Between Forty-first and Forty-second streets, North river.

4th. Between Forty-second and Forty-third streets, North river.

The Engineer-in-Chief directed to prepare said maps together with an exact description of the property.

3d. Transmitting copy of an opinion sent to the City Chamberlain regarding the purchase of certain water-front property in the vicinity of Barclay and Vesey streets, North river.

From the Department of Public Works (Bureau of Lamps and Gas)—Requesting the placing of wooden fenders around the lamp-posts on the Pier foot of Thirty-fourth street, North river. The Engineer-in-Chief directed to do said work.

From the Department of Street Cleaning:

1st. Requesting immediate dredging under the dumping-boards foot of Canal and One Hundred and Twenty-ninth streets, North river; also at Rutgers street, East river. The Engineer-in-Chief directed to examine and report.

2d. Requesting permission to fill in the excavation behind the bulkhead and contiguous to the Madison Avenue Bridge, with street sweepings and ashes. Application denied, for the reason that the Health Department object to street sweepings being dumped upon the river-front, unless properly covered with earth or ashes; also for the additional reason as stated by the Engineer-in-Chief in his report of January 14, 1891.

From the Providence and Stonington Steamship Company—Stating that in their original lease of Pier, new 36, North river, which expired May 1, 1891, there was no bond, and requesting the same exemption in the renewal of said lease. Application granted.

From the Secretary Sinking Fund Commissioners—Requesting on behalf of said Board a map showing the additional land acquired by reason of the change of lines of Pier, new 15, North river. Advise that by reason of such change no additional land will be acquired.

From the Finance Department—Acknowledging receipt of agreement respecting the purchase of the water-front between Fifty-fourth and Fifty-fifth streets, North river, and stating that the matter will be submitted to the Commissioners of the Sinking Fund at their next meeting.

From the New York Steam Company—Requesting permission to load a mixture of ashes and dirt on a canal boat, from Pier 3, East river. Permit granted.

From James D. Wynkoop—Requesting on behalf of the "Merchants' Line of Barges" that a berth be set apart for their use in the vicinity of Franklin street, in lieu of the one now occupied by them foot of Jay street, North river. Advise that when the occasion demands their vacating said berth they will probably be accommodated at the bulkhead between Piers, new 28 and 29, North river.

From Robert M. Ferris, agent for owners—Reporting that the repairs ordered to Pier 28, East river, will receive attention.

From Michael Fahy—Claiming damages for the sinking of his canal boat, "Dave and Mose," foot of One Hundred and Fifty-fifth street, Harlem river. The Engineer-in-Chief directed to examine and report.

From C. B. Richard & Co.—Requesting a test of two barrels of Portland cement and inclosing twenty dollars to pay the cost. The Engineer-in-Chief directed to make said test and report the result.

From Cecil Campbell Higgins, attorney for the Messrs. Mott—Accepting on behalf of his clients the terms and conditions of the preamble and resolutions adopted September 18, 1891.

From Oliver Bryan—Offering to sell his interest in certain wharf property foot of One Hundred and Fourteenth street, East river. Referred to the President.

From Theodore F. Tone—Requesting permission to drive piles at the bulkhead north of One Hundred and Thirty-third street, North river. Permit granted.

From the Hudson River Line—Requesting permit to berth the steamer "Albany" during the ensuing winter months on the north side of the Pier foot of Fiftieth street, North river. Permit granted, provided the said company pay as compensation for the use thereof three dollars (\$3) per day for each and every day, Sundays included, payable weekly when due to the Dock Master of the district.

From the Southern Pacific Company—Requesting that the approach to Pier, new 25, North river, be repaved. The Engineer-in-Chief directed to do said work.

From the New York Mutual Gas-light Company—Requesting permission to drive piles at the Piers foot of Eleventh, Twelfth and Thirteenth streets, East river. Permit granted.

From Peter De Witt & Co.—Requesting an extension of time for making the repairs to the bulkhead south of Forty-ninth street, East river, as directed by the Board, September 17, 1891. Time extended until Thursday, December 3, 1891, provided they consent in writing within ten days from date to assume all risk of danger to life and property.

From Cornelius Kennedy and M. W. Collins—Claiming that the pier now in course of construction foot of Thirty-fifth street, East river, under Contract No. 382, will be of insufficient dimensions.

From Dock Master Carson—Reporting that notwithstanding the fact that on September 8th he had notified Martin & Co. to remove the brick placed on the bulkhead, between One Hundred and Thirty-eighth and One Hundred and Fortieth streets, Harlem river, they have failed to comply with said order. Notify Messrs. Martin & Co. to appear before the Board Thursday, October 1, 1891, at 11 o'clock A. M., and show cause why a penalty of twenty dollars (\$20) per day should not be imposed for a violation of Rule No. 5 of the Rules and Regulations.

From Dock Master Abeel:

1st. Reporting that the new made land from Canal to West Tenth street requires cleaning. Request the Department of Street Cleaning to clean.

2d. Reporting cleaning required to Pier, old 54, foot of Perry street, North river. Request the Department of Street Cleaning to clean.

3d. Reporting that since December, 1890, all work has been stopped at the shaft of the "Hudson River Tunnel Company," located between Piers, new 41 and 42, North river. Request the Counsel to the Corporation to advise the Board, in view of the fact of the practicable abandonment of this work, whether they have the power and authority to remove said obstruction.

From Dock Master Erwin:

1st. Reporting that Monday the 14th instant a horse and cart backed over the string-piece foot of Twenty-ninth street, East river.

2d. Reporting that on the night of the 18th instant a scow belonging to the Morris & Cumings Dredging Company damaged the Pier foot of Twenty-eighth street, East river, together with a report from the Engineer-in-Chief relative to said accident and recommending that the repairs be made and the cost thereof collected from said company. Recommendation adopted.

From Dock Master Coye—Reporting repairs required to the string-piece at the bulkhead between Piers 20 and 21, East river. The Engineer-in-Chief directed to examine, and, if necessary, repair.

From Dock Master Palmstine—Reporting that repairs are required to the planking on Pier 3, and also to the westerly half of Pier 4, East river. Notify owners to repair.

From Dock Master Woods—Reporting the loss of a mooring-pile from the south side of the Pier foot of Fifty-fifth street, North river. The Engineer-in-Chief directed to repair.

The following report for the week ending September 23, 1891, amounting to \$1,655 76, was received from the Treasurer and ordered to be spread in full on the minutes, as follows:

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1891.					1891.
Sept. 18	Delaware, L. & W. R. R. Co.	Balance 1 qrs. rent, Pier, new 41, N. R.	\$125 00		
" 18	New England Terminal Co.	Repairs Pier, new 47, N. R.	4 67		
" 18	Robert B. Benedict.	Sale of map Staten Island Ferry Slip.	3 00		
" 18	The J. C. Watson Co.	Dump tickets.	30		
Sept. 18	Owens & Co.	1 qrs. rent, bhd. pfm. at 47th st., E. R.	137 50		
" 22	Edward Abeel.	Wharfage District, No. 2, N. R.	1 50		
" 22	"	" 4, " "	159 30		
" 22	William T. Coggeshall.	" 6, " "	281 39		
" 22	Charles Parks.	" 8, " "	163 70		
" 22	George A. Woods.	" 10, " "	87 43		
" 22	James A. Monaghan.	" 12, " "	129 96		
" 22	Henry A. Palmstine.	" 1, E. R.	90 06		
" 22	Charles S. Coye.	" 3, " "	110 98		
" 22	John J. Ryan.	" 5, " "	96 96		
" 22	Joseph B. Erwin.	" 7, " "	56 58		
" 22	Joseph F. Meehan.	" 9, " "	90 50		
" 22	James W. Carson.	" 11, " "	30 60		
" 22	John J. Martin.	" 13, " "	86 33		
				\$1,655 76	Sept. 22
				\$1,655 76	

Respectfully submitted,

JAMES J. PHELAN, Treasurer.

From the Engineer-in-Chief:

1st. Report for the week ending September 19, 1891.

2d. Reporting the completion of the work of extending Pier, new 37, North river, out to the pier-head line of 1890, and also the completion of dredging at sundry named places on the East river under Contracts Nos. 378 and 387.

3d. Reporting repairs required to Pier, old 40, North river, and bulkhead at entrance to same, and recommending that the lessee be directed to repair. Recommendation adopted.

4th. Reporting repairs required to Pier at Thirty-sixth street, North river. Notify the lessee to repair.

5th. Reporting repairs required to Piers, new 20 and 21, North river. Notify the lessee to repair.

6th. Reporting repairs required to Pier 44, East river, and recommending that the same be done by the force of the Department. Recommendation adopted.

7th. Reporting that the tugs "Virginia Jackson" and "Edna King," belonging to David L. Cox, collided with and damaged the pier now under construction foot of Eighteenth street, East river, to the extent of fifteen dollars and twenty-four cents (\$15.24). The Treasurer authorized to collect the amount from the owner of said tugs.

8th. Reporting that the deck of the Pier foot of One Hundred and Twenty-ninth street, North river, excepting that portion which is occupied by the dump of the Department of Street Cleaning, requires sheathing, and also that the approach to said pier requires repairs. The Engineer-in-Chief directed to do said work.

9th. Reporting non-commencement of the work of repairs to the bulkhead between Jackson and Corlears streets, East River, which the "Hegeman Estate" owners were notified to make July 16, 1891. Notify the "Hegeman Estate" that if said work is not commenced within ten days from receipt of notice the same will be done by this Department at their cost and expense.

10th. Reporting that the repairs made to the Pier foot of Fortieth street, North river, as directed by order dated August 6, 1891, are insufficient, and recommending that in case the same are not completed within ten days, the work be done by this Department at the cost and expense of the lessees. Recommendation adopted.

11th. Reporting the completion of the work of building a new crib-bulkhead between Eighty-first and Eighty-third streets, North river, under Contract No. 374. Notify the Dock Master to collect wharfage.

12th. Report on Secretary's Order No. 10337, in relation to the communication from John H. Starin, requesting relief from the maintenance of a switch on the bulkhead in front of Pier 18, North river.

13th. Report on Secretary's Order No. 10985, as to the repairs and dredging required at the bulkhead foot of Sixty-fourth street, East river.

14th. Report on Secretary's Order No. 11071, that it is not the intention of the Standard Gas-light Company to extend platform foot of Second avenue, Harlem river, in accordance with the permit issued July 3, 1891. Permit revoked.

15th. Report on Secretary's Orders Nos. 10633, 10865, 10962, 11091, 11235, 11260, 11263, 11278, 11280 and 11281, that he had superintended the erection of a dump on the north side of Pier foot of Forty-seventh street, North river; the removal of piles foot of Second avenue, Harlem river; made requisition for the necessary dredging for the removal of the remains of Pier, old 59,



East river; superintended repairing sheathing on Piers, old 34 and 41, North river; repaired sheathing on deck of Pier foot of Forty-seventh street, North river; repaired Pier at Third street, East river, and Pier foot of Seventy-ninth street, North river; superintended erecting a temporary frame shed covered with canvas on the bulkhead between Piers, old 57 and 58, North river; repaired sheathing on deck of Pier, new 29, East river, and superintended opening the bulkhead in front of No. 91 South street, for the purpose of repairing sewer-pipe.

16th. Report on Secretary's Order No. 11300, reporting adversely upon the application of O. D. Person for cancellation of his lease of the bulkhead at foot of southerly half of West One Hundred and Thirty-fifth street. Application denied.

The following communications were,

On motion, taken from the table and ordered to be placed on file, viz.:

From John Peirce—Renewing his application of September 3, 1891, for an extension of time until October 1, 1891, to complete his deliveries of granite, under Contract No. 338. Time extended as requested, provided the written consent of the sureties be filed in this Department.

From James N. Wells, attorney for Maria T. B. Moore—Requesting an extension of time to agree to the terms and conditions of the resolution adopted July 16, 1891, embracing offer for purchase of water-front rights between Twenty-first and Twenty-second streets, North river, until after the decision of the other two cases now pending.

From the Hartford and New York Transportation Company—Requesting permission to erect a shed on the inner end of Pier 24, East river. Permit granted, the work to be done under the direction and supervision of the Engineer-in-Chief of this Department, and to be and remain only during the pleasure of the Board.

The communication from the Hudson River Line, requesting the Department to set apart the Pier foot of Twenty-second street, North river, for the exclusive use of steam vessels engaged in the transportation of passengers, was tabled until October 1, 1891.

The report of the Engineer-in-Chief on Secretary's Order No. 11151, respecting the work of filling in between Thirty-third and Thirty-fourth streets, North river, was tabled until October 8th, 1891, and his communication reporting the repairs required to Pier, old 42, North river, was tabled.

The President reported that he had received for the Treasurer the following estimates for furnishing the Department with coal and broken stone:

FROM	ABOUT 150 GROSS TONS EGG COAL ON TUG OR SCOWS.	ABOUT 35 TONS STOVE OR EGG COAL DELIVERED.	ABOUT 5 TONS CUM- BERLAND COAL DELIVERED.
Meeker & Co.....	\$3 90 per ton.	\$4 50 per ton.	\$4 50 per ton.
Popham & Co.....	3 95 "	5 15 "	4 50 "
William Hone & Co.....	4 45 "	5 25 "	4 75 "
Geo. W. Winant & Son.....	4 30 "	4 90 "	4 40 "

#### About 1,500 Cubic Yards of Broken Stone.

John A. Bouker.....\$1 62 per cubic yard  
Brown & Fleming.....1 62½ "  
Sheridan & Shea.....1 68 "

The action of the President in awarding the order for coal to Meeker & Co., and for broken stone to John A. Bouker, approved.

The Secretary reported that the pay-rolls for the General Repairs and Construction Force for the week ending September 18, 1891, amounting to \$9,239.52, had been approved and audited, and transmitted to the Finance Department for payment.

The Board then proceeded to open the estimates for furnishing granite for bulkhead or river wall, and also for removing the existing earth, etc., from the newly-made land for a width of fifty feet, extending from Dey street to Vesey street, North river, and for paving the same with granite or Staten Island syenite blocks; for laying crosswalks and building the necessary drains and sewers, under Contracts Nos. 396 and 397, advertised to be opened this day at 1 o'clock P. M., a representative of the Comptroller being present.

Two estimates were received for furnishing granite stones for bulkhead or river wall:

1. From B. J. Mallon, with security deposit, \$210.....95 cents per cubic foot.  
2. From James Symington, ".....97 "

The estimate of B. J. Mallon was declared informal.

Two estimates were received for removing the existing earth, etc., from newly-made land for a width of fifty feet, extending from Dey street to Vesey street, North river, and preparing for and paving the same with granite or Staten Island syenite blocks; laying crosswalks and building the necessary drains or sewers.

1. From Joseph Moore, with security deposit, \$220.....\$11,500 00  
2. From Charles Guidet, ".....13,824 36

On motion, the Secretary was directed to transmit to the Comptroller the security deposits made by said bidders, and accompanying their estimates.

On motion, the award of the above contracts was postponed until Thursday, October 1, 1891, at 1 o'clock P. M.

The Auditing Committee presented an audit of four bills or claims, amounting to \$16,762.55, which were approved and audited and ordered to be spread in full on the minutes, as follows:

Audit No.	Name.	Amount.
11989.	John H. Staats, Estimate No. 2, Contract No. 376.....	\$4,477 25
11990.	Graves & Steers, Estimate No. 1, Contract No. 383.....	6,801 62
		\$11,278 87

#### General Repairs Account.

11991.	Morris and Cumings Dredging Company, Estimate No. 1, Contract No. 390.....	\$4,547 88
11992.	John D. Walsh, Estimate No. 2 and final Contract No. 377.....	935 80
		5,483 68
		\$16,762 55

Respectfully submitted,

J. SERGEANT CRAM, } Auditing  
JAMES J. PHELAN, } Committee.

The action of the President in transmitting the same, with requisitions for the amounts, to the Finance Department for payment, approved.

The following requisitions were passed:

Register No.	For What.	Estimated Cost.
9144.	Rip-rap stone.....	\$1,590 00
9145.	Cobble stone.....	1,780 00
9146.	Services of dredge, etc., West Washington Market Section.....	1,000 00
9147.	Test of iron.....	15 00
9148.	Services of dredges, etc., West Washington Market Section.....	200 00
9149.	".....	1,000 00
9150.	Repairs tide gauges.....	19 50
9151.	Maintenance of floating property.....	53 00
9152.	Spruce.....	250 00
9153.	Material for Dock Masters' offices.....	134 00
9154.	One barrel kerosene oil.....	7 50
9155.	Tests of iron.....	80 00
9156.	Coal.....	750 00
9157.	Rack-a-rock, etc.....	65 00
9158.	Treenails.....	135 00
9159.	Yellow pine.....	500 00
9160.	Pig lead, etc.....	100 00
9161.	Cement.....	2,500 00
9162.	Brass moulds, etc.....	120 00
9163.	Sand.....	850 00
9164.	Iron, augers, etc.....	105 00
9165.	Broken stone.....	2,625 00
9166.	Services of tug—per hour.....	5 00
9167.	Spruce.....	210 00
9168.	Services of dredge, etc., at West Forty-third Street Section.....	1,000 00
9169.	Services of dredge, etc., at West Washington Market.....	4,375 00
9170.	".....	350 00
9171.	Services of dredge etc., at West Fifty-second street.....	1,000 00
9172.	Second-hand iron chain.....	45 00

Requisition No.

555. Five Dock Masters' badges.....\$30 00

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

The Board then convened in executive session.

The following communications were received, read, and,

On motion, ordered to be placed on file, viz.:

From the New York City Civil Service Boards:

1st. Reporting that James J. White, Chainman, passed the prescribed examination, and is therefore eligible for promotion to the position of Hydrographer.

Whereupon the following resolution was adopted:

Resolved, That James J. White, Chainman, who has been certified by the Civil Service Boards as eligible for such position, be and hereby is appointed on probation as Hydrographer, with compensation at the rate of one hundred dollars per month, to take effect October 1, 1891.

2d. Reporting that Gerald S. Griffin, Chainman, passed the prescribed examination, and is therefore eligible for promotion to the position of Leveller.

Whereupon the following resolution was adopted:

Resolved, That Gerald S. Griffin, Chainman, who has been certified by the Civil Service Boards as eligible for such position, be and hereby is appointed on probation as a Leveller with compensation at the rate of one hundred dollars per month, to take effect October 1, 1891.

The following resolution was,

On motion, adopted:

Resolved, That Van Tassel & Kearney, auctioneers, on behalf of this Board be and hereby are authorized and directed to offer for sale at public auction in the Board Room at Pier "A," Battery place, North river, on Thursday, October 15, 1891, at 12 o'clock noon of that day, the right to collect and retain all wharfage accruing at the following wharf property and upon the following terms and conditions:

#### ON THE NORTH RIVER.

For the term of five years from May 1, 1896.

Lot 1. Pier foot of Jane street to be extended.

For the term of five years from November 1, 1891.

Lot 2. Pier at foot of West Fifty-second street.

Lot 3. Pier at foot of West One Hundred and Twenty-ninth street, except the Dump of Department of Street Cleaning on southerly side.

For the term of three years from November 1, 1891.

Lot 4. Pier at foot of West One Hundred and Thirty-second street.

Lot 5. Pier at foot of West One Hundred and Fifty-second street.

#### ON THE EAST RIVER.

For the term of five years from November 1, 1891.

Lot 6. Bulkhead platform southerly of East Thirty-ninth street, about ninety-nine feet.

#### Terms and Conditions of Sale.

The premises must be taken in the condition in which they may be at the commencement of the term of the lease, and no claim or demand that the premises or property are not in suitable and tenantable condition at the commencement of the term will be allowed by this Department.

All repairs, maintaining or rebuilding required or necessary to be done to or upon the premises, or any part thereof, during the continuance of the term of the lease, shall be done by and at the cost and expense of the lessee or purchaser.

No claim or demand will be considered or allowed by the Department for any loss or deprivation of wharfage or otherwise, resulting from or occasioned by any delay on account or by reason of the premises or any part thereof being occupied for or on account of any repairs, rebuilding or dredging.

The up-set price of the parcels or premises exposed or offered for sale will be announced by the auctioneer at the time of sale.

The Department will do all dredging whenever it shall deem it necessary or advisable so to do.

The term for which leases are sold will commence at the date mentioned in the advertisement, and the rents accruing therefor will be payable from that date in each case.

Each purchaser of a lease will be required at the time of the sale, to pay, in addition to the auctioneer's fees, to the Department of Docks, twenty-five per cent. (25%) of the amount of annual rent bid, as security for the execution of the lease, which twenty-five per cent. (25%) will be applied to the payment of the rent first accruing under the lease when executed, or will be forfeited to the Department if the purchaser neglects or refuses to execute the lease, with good and sufficient surety or sureties to be approved by the Department within ten days after being notified that the lease is prepared and ready for execution at the office of the Department of Docks, Pier "A," North river, Battery place.

The Department expressly reserves the right to resell the lease or premises bid off, by those failing, refusing or neglecting to comply with these terms and conditions, the party so failing, refusing or neglecting, to be liable to the Corporation of the City of New York for any deficiency resulting from or occasioned by such resale.

Lessees will be required to pay their rent quarterly in advance, in compliance with the terms and conditions of the lease prepared and adopted by the Department.

In all cases where it is mentioned in the advertisement of sale, the purchaser shall be entitled to the privilege of occupying any shed upon the pier or bulkhead at the commencement of the term or that may thereafter be permitted or licensed by the Department, and to the rights attached to such permission or license, but subject to the conditions thereof, such purchaser being engaged in the business of steam transportation and using and employing the same for the purpose of regularly receiving and discharging cargo thereat.

Not less than two sureties, each to be a householder or freeholder in the State of New York, to be approved by the Board of Docks, will be required under each lease to enter into a bond or obligation, jointly and severally with the lessee, in the sum of double the annual rent, for the faithful performance of all the covenants and conditions of the lease, the names and addresses of the sureties to be submitted at the time of sale.

Each purchaser will be required to agree that he will, upon ten days' notice so to do, execute a lease with sufficient surety as aforesaid, the printed form of which may be seen and examined upon application to the Secretary, at the office of the Department, Pier "A," Battery place.

No person will be received as a lessee or surety who is delinquent on any former lease from this Department or the Corporation.

No bid will be accepted from any person who is in arrears to this Department or the Corporation, upon debt or contract, or who is a defaulter as surety or otherwise, upon any obligation to this Department or to the Corporation of the City of New York.

The auctioneer's fees (\$25) on each lot or parcel must be paid by the purchasers thereof respectively at the time of sale.

Dated NEW YORK, September 24, 1891.

EDWIN A. POST, }  
J. SERGEANT CRAM, } Commissioners  
JAMES J. PHELAN, } of the  
Department of Docks.

The following persons were appointed:

#### Ship Carpenter.

Stephen O'Brien.

#### Carpenter.

James Donnelly.

#### Dock Builders.

John Brawley.

Joseph De Temple, Jr.

Peter J. De Temple.

#### Laborers.

Michael Hickey.

Patrick Broderick.

On motion, the Board adjourned.

AUGUSTUS T. DOCHARTY, Secretary.

## APPOINTMENTS IN THE MUNICIPAL SERVICE.

NEW YORK CITY CIVIL SERVICE BOARDS, }  
COOPER UNION, }  
NEW YORK, October 5, 1891. }

To the Supervisor of the City Record:

SIR—In accordance with Civil Service Regulations, I hereby report the following appointments: By the Department of Street Cleaning—

October 1. As Map Clerk and Draughtsman, William J. Schephard; character certified to by J. N. Sheehan, No. 141 East Forty-third street; F. T. Fenlon, No. 261 Broadway; Thomas Bolger, No. 256 Church street; F. J. Kremer, M. D., No. 112 East Fifty-seventh street.

By the Police Department—

September 26. As Patrolmen, C. A. Schutz, P. A. Corbett, W. J. Hughes, J. Connor, G. Kolle, W. F. Fennelly, J. Murphy, T. J. Hughes, J. Young, P. Smith, Jr., T. F. Connor, J. E. Burke, J. Steller, J. Heaphy, W. Maxon, W. H. Garrison, M. F. O'Neil, E. Calnan, F. Miller, W. J. Henry, J. S. Leith and W. Fitzpatrick.

Yours, respectfully,

LEE PHILLIPS, Secretary and Executive Officer.



## METEOROLOGICAL OBSERVATORY

OF THE

DEPARTMENT OF PUBLIC PARKS,  
CENTRAL PARK, NEW YORK.

Latitude 40° 45' 58" N. Longitude 73° 57' 58" W. Height of Instruments above the Ground, 53 feet; above the Sea, 97 feet.

## ABSTRACT OF REGISTERS FROM SELF-RECORDING INSTRUMENTS

For the Week Ending October 3, 1891.

## Barometer.

DATE.	7 A.M.	2 P.M.	9 P.M.	MEAN FOR THE DAY.	MAXIMUM.	MINIMUM.
SEPTEMBER AND OCTOBER.	Reduced to Freezing.	Reduced to Freezing.	Reduced to Freezing.	Reduced to Freezing.	Reduced to Freezing.	Reduced to Freezing.
Sunday, 27	30.200	30.162	30.200	30.187	30.206	30.134
Monday, 28	30.230	30.200	30.170	30.200	30.260	30.130
Tuesday, 29	30.074	30.000	30.028	30.034	30.130	29.980
Wednesday, 30	30.200	30.234	30.320	30.251	30.344	30.084
Thursday, 1	30.400	30.400	30.382	30.394	30.430	30.344
Friday, 2	30.334	30.222	30.190	30.249	30.362	30.160
Saturday, 3	30.100	30.000	29.932	30.011	30.160	29.900

Mean for the week..... 30.189 inches.  
Maximum " at 10 A. M., October 1st..... 30.430 "  
Minimum " at 12 P. M., " 3d..... 29.900 "  
Range " ..... .530 "

## Thermometers.

DATE.	7 A.M.	2 P.M.	9 P.M.	MEAN.	MAXIMUM.	MINIMUM.	MAXIMUM.
SEPTEMBER AND OCTOBER.	Dry Bulb.	Wet Bulb.	Dry Bulb.	Wet Bulb.	Dry Bulb.	Wet Bulb.	In Sun.
Sunday, 27	71	68	74	70	75	71	73.3
Monday, 28	73	70	81	73	75	72	76.3
Tuesday, 29	75	71	77	74	74	70	75.3
Wednesday, 30	59	53	67	56	58	52	61.3
Thursday, 1	55	49	67	60	62	58	61.3
Friday, 2	57	54	72	63	69	66	66.0
Saturday, 3	64	61	81	73	75	71	73.3

Mean for the week..... 69.5 degrees.  
Maximum for the week, at 4 P. M., 3d..... 83. " at 4 P. M., 28th..... 75. "  
Minimum " at 5 A. M., 1st..... 53. " at 5 A. M., 1st..... 49. "  
Range " ..... 30. " ..... 26. "

## Wind.

DATE.  SEPTEMBER AND OCTOBER.	DIRECTION.			VELOCITY IN MILES.				FORCE IN POUNDS PER SQUARE FOOT.				
	7 A.M.	2 P.M.	9 P.M.	9 P.M.	7 A.M.	2 P.M.	Distance to the Day.	7 A.M.	2 P.M.	9 P.M.	Max.	Time.
				to 7 A.M.	to 2 P.M.	to 9 P.M.						
Sunday, 27....	E	NE	SE	50	21	18	89	0	0	0	¾	0.40 A.M.
Monday, 28....	SW	SW	S	13	27	49	89	0	¾	¾	1	11.40 P.M.
Tuesday, 29....	SSW	SW	SW	67	76	51	194	¼	1	¾	2½	10 A.M.
Wednesday, 30....	NNE	NNE	NE	77	86	52	215	0	¾	0	2½	9.45 A.M.
Thursday, 1....	NE	NE	ESE	67	61	34	162	0	0	0	1	10.30 A.M.
Friday, 2....	NW	W	SSW	6	30	25	61	0	0	0	¾	11 A.M.
Saturday, 3 ...	WSW	SSE	SW	13	10	20	43	0	0	0	¾	2.15 P.M.

Distance traveled during the week..... 853 miles.  
Maximum force..... 2 1/2 pounds.

DATE.		Hygrometer.								Clouds.			Rain and Snow. Ozone.					
		FORCE OF VAPOR.				RELATIVE HUMIDITY.				CLEAR, °. OVERCAST, 10.			DEPTH OF RAIN AND SNOW IN INCHES.					
		7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	Time of Beginning.	Time of Ending.	Duration.	Amount of Water.	Depth of Snow.	° 10.
Sunday, 27	.644	.679	.704	.676	85	81	81	82	10	10	10	.....	.....	.....	.....	.....	.....	0
Monday, 28	.693	.703	.744	.713	85	66	86	79	10	3 Cir.Cu	0	.....	.....	.....	.....	.....	.....	0
Tuesday, 29	.704	.799	.679	.727	81	86	81	83	10	10	10	1.30 P.M.	6.30 P.M.	5.00	.22	.....	.....	6
Wedn'day, 30	.323	.303	.309	.312	64	46	64	58	0	0	0	.....	.....	.....	.....	.....	.....	0
Thursday, 1	.269	.425	.429	.374	62	64	77	68	0	6 Cir.Cu	0	.....	.....	.....	.....	.....	.....	0
Friday, 2	.378	.455	.599	.477	81	58	84	74	5 Cu.	4 Cir.	0	.....	.....	.....	.....	.....	.....	0
Saturday, 3	.497	.703	.704	.635	83	66	81	77	0	0	0	.....	.....	.....	.....	.....	.....	0

Total amount of water for the week..... .22 inch.  
Duration for the week..... 5 hour, 00 minutes.

DATE.	7 A.M.	2 P.M.
Sunday, Sept. 27	Mild, overcast	Close, overcast.
Monday, " 28	Close, fog	Warm, pleasant.
Tuesday, " 29	Close, overcast	Mild, raining.
Wednesday, " 30	Cool, pleasant	Mild, pleasant.
Thursday, " 1	Cool, pleasant	Cool, pleasant.
Friday, " 2	Cool, hazy	Mild, pleasant.
Saturday, " 3	Mild, dense fog	Warm, hazy.

DANIEL DRAPER, PH. D., Director.

## BOARD OF CITY RECORD.

MAYOR'S OFFICE, CITY HALL,  
NEW YORK, September 30, 1891.

The Hons. Hugh J. Grant, Mayor; William H. Clark, Counsel to the Corporation, and Thomas F. Gilroy, Commissioner of Public Works, the officers designated by section 66 of the New York City Consolidation Act, met this day.

The minutes of the meetings of September 10 and 22 were read and approved.

The Supervisor of the City Record presented the following report :

OFFICE OF THE CITY RECORD, NO. 2 CITY HALL,  
NEW YORK, September 29, 1891.

To the Hons. the Mayor, Counsel to the Corporation and Commissioner of Public Works :

GENTLEMEN—The requisitions laid before you to-day should be allowed. The Secretary to the Board of Police Justices declares that there is an absolute necessity for the blanks called for on the requisition I have held since July. The new dog license books are made necessary by the fact that the census of dogs, taken by direction of the Mayor, has caused many persons to apply for licenses who had previously disregarded the city ordinance.

Respectfully submitted,

W. J. K. KENNY, Supervisor.

The requisitions were then approved, the Supervisor being authorized, by a concurrent vote of the three officers, to procure by direct order the goods required :

No.	DATE.	APPLIED FOR.	ACTION OF BOARD.
		<i>By Board of Police Justices.</i>	
July 2, 1891		3,000 warrants (Election Law).....	Allowed.
		3,000 affidavits (Election Law).....	"
		1,000 orders (Bond Forfeiture).....	"
		10,000 summonses.....	"
		5,000 affidavits (violation of Excise Law).....	"
		3,000 affidavits (violation of Election Law).....	"
		5,000 affidavits (Larceny).....	"
		<i>By Department of Public Works.</i>	
Sept. 21, "		50 copies specifications for sewer in One Hundred and First street.....	"
		50 copies specifications for sewer in One Hundred and Seventeenth street.....	"
		50 copies specifications for sewer in Eighteenth street.....	"
		50 copies specifications for sewer in Second street.....	"
		<i>By Mayor's Marshal.</i>	
" 25, "		5 dog license books.....	"
		<i>By Commissioner of Street Improvements.</i>	
" 28, "		25 each posters for works in One Hundred and Thirty-eighth, One Hundred and Forty-ninth and One Hundred and Seventieth streets.....	"
		<i>By Civil Service Boards.</i>	
" 24, "		1,000 copies questions for Patrolmen, etc.....	"

On motion of the Counsel to the Corporation, the following resolution was adopted :

Resolved, That the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards be and he is hereby authorized, pursuant to his request dated September 18, 1891, to publish, twice a week for three successive weeks, in the "Sun" and "Daily News," a notice of a hearing to be held in the office of the said Commissioner on October 19, 1891, "in relation to a contemplated change and revision of maps of the Twenty-third and Twenty-fourth Wards."

The Supervisor presented the following resolution, and, on motion of the Counsel to the Corporation, it was adopted :

Resolved, That the Supervisor of the City Record be and he is hereby authorized to make an agreement with Martin B. Brown for the compilation of the registry lists, preparatory to their publication in the CITY RECORD, in the manner provided for by section 67 of the Consolidation Act, at a price not to exceed that paid for the work in 1890.

Bills were approved as follows: Martin B. Brown, \$3,709.09 (for printing and distributing the CITY RECORD during September), and M. Perez, \$12 (for services as expressman during the vacation of Louis F. Gaffney).

Pay-rolls were approved as follows: Month of September—CITY RECORD office, \$741.65; Bookbinders John F. Morris, Joseph Fehr, Henry J. Goggin and John McMahon, \$100 each; Expressman Louis F. Gaffney, \$116.66, and Washington H. Hettler, \$100. For week ending September 26—Bookbinders Robert McManus, Richard Donaldson and William H. Levett, \$21 each.

Adjourned.

W. J. K. KENNY, Secretary.

## OFFICIAL DIRECTORY.

STATEMENT OF THE HOURS DURING which the Public Offices in the City are open for business, and at which the Courts regularly open and adjourn, 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, 10 A. M. to 4 P. M.; Saturdays, 10 A. M. to 12 M.  
HUGH J. GRANT, Mayor.  
Secretary and Chief Clerk.

## COMMISSIONERS OF ACCOUNTS.

Rooms 114 and 115, Stewart Building, 9 A. M. to 4 P. M.  
MICHAEL T. DALY, CHARLES G. F. WAHLE.

## AQUEDUCT COMMISSIONERS.

Room 209, Stewart Building, 5th floor, 9 A. M. to 5 P. M.  
JAMES C. DUANE, President; JOHN C. SHEEHAN Secretary; A. FEELEY, Chief Engineer; J. C. LULLEY Auditor

## COMMON COUNCIL.

Office of Clerk of Common Council.  
No. 8 City Hall, 9 A. M. to 4 P. M.  
JOHN H. V. ARNOLD, President Board of Aldermen.  
FRANCIS J. TWOMEY, Clerk Common Council.

## DEPARTMENT OF PUBLIC WORKS.

Commissioner's Office.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
THOMAS F. GILROY, Commissioner; MAURICE F. HOLAHAN, Deputy Commissioner.

## DEPARTMENT OF STREET IMPROVEMENTS.

Twenty-third and Twenty-fourth Wards.  
No. 262 Third avenue, northeast corner of One Hundred and Forty-first street. Office hours, 9 A. M. to 4 P. M.; Saturdays, 12 M.

LOUIS J. HEINTZ, Commissioner; JOHN H. J. RONNER Deputy Commissioner; WM. H. TEN EYCK, Secretary.

## FINANCE DEPARTMENT.

Comptroller's Office.

No. 15 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.  
THEODORE W. MYERS, Comptroller; RICHARD A. STORRS, Deputy Comptroller; D. LOWBER SMITH, Assistant Deputy Comptroller.

## LAW DEPARTMENT.

Office of the Counsel to the Corporation

Staats Zeitung Building, third and fourth floors, 9 A. M. to 5 P. M. Saturdays, 9 A. M. to 12 M.  
WILLIAM H. CLARK, Counsel to the Corporation.  
ANDREW T. CAMPBELL, Chief Clerk.

Office of the Public Administrator.

No. 49 Beekman street, 9 A. M. to 4 P. M.  
CHARLES E. LYDECKER, Public Administrator.

Office of Attorney for Collection of Arrears of Personal Taxes.

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

JOHN G. H. MEYERS, Attorney.  
MICHAEL J. DOUGHERTY, Clerk.

Office of the Corporation Attorney

No. 49 Beekman street, 9 A. M. to 4 P. M.  
LOUIS HANNEMAN, Corporation Attorney.

## POLICE DEPARTMENT.

Central Office.

No. 300 Mulberry street, 9 A. M. to 4 P. M.  
CHARLES F. MACLEAN, President; WILLIAM H. KIPP, Chief Clerk; T. F. RODENBOUGH, Chief of Bureau of Elections.

## DEPARTMENT OF CHARITIES AND CORRECTION.

Central Office.

No. 66 Third avenue, corner Eleventh street, 9 A. M. to 4 P. M.  
HENRY H. PORTER, President; GEORGE F. BRITTON Secretary.



## FIRE DEPARTMENT.

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

## HEALTH DEPARTMENT.

No. 301 Mott street, 9 A. M. to 4 P. M.  
CHARLES G. WILSON, President; EMMONS CLARK,  
Secretary.

## DEPARTMENT OF PUBLIC PARKS.

Emigrant Industrial Savings Bank Building, Nos. 49  
and 51 Chambers street, 9 A. M. to 4 P. M. Saturdays, 12 M.  
ALBERT GALLUP, President; CHARLES DE F. BURNS,  
Secretary.

## DEPARTMENT OF DOCKS.

Battery, Pier A, North river.  
EDWIN A. POST, President; AUGUSTUS T. DOCHARTY,  
Secretary.  
Office hours, from 9 A. M. to 4 P. M.

## DEPARTMENT OF TAXES AND ASSESSMENTS

Staats Zeitung Building, Tryon Row, 9 A. M. to 4 P. M.  
Saturdays, 12 M.  
EDWARD P. BARKER, President; FLOYD T. SMITH,  
Secretary.

## DEPARTMENT OF STREET CLEANING.

Stewart Building. Office hours, 9 A. M. to 4 P. M.  
THOMAS S. BRENNAN, Commissioner; WILLIAM DAL-  
TON, Deputy Commissioner; J. Joseph Scully, Chief  
Clerk.

CIVIL SERVICE SUPERVISORY AND EXAMIN-  
ING BOARDS.

Cooper Union, 9 A. M. to 4 P. M.  
JAMES THOMSON, Chairman of the Supervisory Board  
LEE PHILLIPS, Secretary and Executive Officer.

## BOARD OF ESTIMATE AND APPORTIONMENT

The Mayor, Chairman; E. P. BARKER, Secretary  
CHARLES V. ADEE, Clerk  
Office of Clerk, Staats Zeitung Building, Room 5.

## BOARD OF ASSESSORS.

Office, 27 Chambers street, 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.  
ALEXANDER MEAKIN, President; JAMES F. BISHOP,  
Secretary and Chief Clerk.

## SHERIFF'S OFFICE.

Nos. 6 and 7 New County Court-house, 9 A. M. to 4 P. M.  
JOHN J. GORMAN, Sheriff; JOHN B. SEXTON, Under  
Sheriff.

## REGISTER'S OFFICE.

East side City Hall Park, 9 A. M. to 4 P. M.  
FRANK I. FITZGERALD, Register; JAMES A. HANLEY,  
Deputy Register.

## COMMISSIONER OF JURORS.

Room 127, Stewart Building, Chambers street and  
Broadway, 9 A. M. to 4 P. M.  
BERNARD F. MARTIN, 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.  
LEONARD A. GIEGERICH, County Clerk; P. J. SCULLY  
Deputy County Clerk.

## DISTRICT ATTORNEY'S OFFICE.

Second floor, Brown-stone Building, City Hall Park  
9 A. M. to 4 P. M.  
DE LANCEY NICOLL, District Attorney; WILLIAM J.  
MCKENNA, Chief Clerk.

## SURROGATE'S COURT.

New County Court-house. Court opens at 10.30 A. M.  
RASTUS S. RANSOM, Surrogate; WILLIAM V. LEARY,  
Chief Clerk.

## CORONERS' OFFICE.

No. 124 Second avenue, 8 A. M. to 5 P. M. Sundays and  
holidays, 8 A. M. to 12.30 P. M.  
MICHAEL J. B. MESSEMER, FERDINAND LEVY, DANIEL  
HANLY, LOUIS W. SCHULTZ, Coroners; EDWARD F.  
REYNOLDS, Clerk of the Board of Coroners

## SUPERIOR COURT.

Third floor, New County Court-house, 11 A. M.  
JOHN SEDGWICK, Chief Judge; THOMAS BOESE, Chief  
Clerk.

## DISTRICT CIVIL COURTS.

First District—Third, Fifth and Eighth Wards, and  
all that part of the First Ward lying west of Broadway  
and Whitehall street. Court-room, southwest corner of  
Centre and Chambers streets.  
PETER MITCHELL, Justice. LOUIS C. BRUNS, Clerk.  
Clerk's Office open from 9 A. M. to 4 P. M.

Second District—Second, Fourth, Sixth and Fourteenth  
Wards, and all that portion of the First Ward lying  
south and east of Broadway and Whitehall street.  
Court-room, corner of Grand and Centre streets.  
CHARLES M. CLANCY, Justice. JAMES DUNPHY,  
Clerk.  
Clerk's Office open from 9 A. M. to 4 P. M.

Third District—Ninth and Fifteenth Wards. Court-  
room, southwest corner Sixth avenue and West Tenth  
street. Court open daily (Sundays and legal holidays  
excepted) from 9 A. M. to 4 P. M.  
WM. F. MOORE, Justice. WILLIAM H. CORSA, Clerk

Fourth District—Tenth and Seventeenth Wards  
Court-room, No. 30 First street, corner Second avenue.  
Court opens 9 A. M. daily, and remains open to close of  
business.  
ALFRED STECKLER, Justice. JULIUS HARBURGER,  
Clerk.

Fifth District—Seventh, Eleventh and Thirteenth  
Wards. Court-room, No. 154 Clinton street.  
HENRY M. GOLDFOGLE, Justice. JOHN DUANE, Jr.,  
Clerk.

Sixth District—Eighteenth and Twenty-first Wards.  
Court-room, northwest corner Twenty-third street and  
Second avenue. Court opens 9 A. M. daily; continues  
open to close of business.  
SAMSON LACHMAN, Justice. PHILIP AHERN, Clerk

Seventh District—Nineteenth Ward. Court-room  
No. 151 East Fifty-seventh street. Court opens every  
morning at 9 o'clock (except Sundays and legal holidays),  
and continues open to the close of business.  
JOHN B. MCKEAN, Justice. SYLVESTER E. NOLAN,  
Clerk.

Eighth District—Sixteenth and Twentieth Wards.  
Court-room, southwest corner of Twenty-second street  
and Seventh avenue. Court opens at 9 A. M. and con-  
tinues open to close of business.  
Clerk's office open from 9 A. M. to 4 P. M. each court  
day.  
Trial days, Wednesdays, Fridays and Saturdays.  
Return days, Tuesdays, Thursdays and Saturdays.  
JOHN JEROLAM, Justice. CARSON G. ARCHIBALD,  
Clerk

Ninth District—Twelfth Ward, except all that portion  
of the said ward which is bounded on the north by the  
centre line of One Hundred and Tenth street, on the  
south by the centre line of Eighty-sixth street, on the  
east by the centre line of Sixth avenue, and on the west  
by the North river. Court-room, No. 150 East One  
Hundred and Twenty-fifth street.  
JOSEPH P. FALLON, Justice. WILLIAM H. LISCOMB,  
Clerk.

Clerk's office open daily from 9 A. M. to 4 P. M. Trial  
days, Tuesdays and Fridays. Court opens at 9 1/2 A. M.

Tenth District—Twenty-third and Twenty-fourth  
Wards. Court-room, corner of Third avenue and One  
Hundred and Fifty-eighth street.  
Office hours, from 9 A. M. to 4 P. M. Court opens at  
9 A. M.

ANDREW J. ROGERS, Justice. MATTHEW P. BREEN,  
Clerk.

Eleventh District—Twenty-second Ward, and all that  
portion of the Twelfth Ward which is bounded on the  
north by the centre line of One Hundred and Tenth  
street, on the south by the centre line of Eighty-sixth  
street, on the east by the centre line of Sixth avenue,  
and on the west by the North river. Court-room, No.  
99 Eighth avenue. Court open daily (Sundays and  
legal holidays excepted) from 9 A. M. to 4 P. M.  
THOMAS E. MURRAY, Justice.  
JAMES J. GALLIGAN, Clerk.

CIVIL SERVICE SUPERVISORY  
AND EXAMINING BOARDS.

NEW YORK CITY CIVIL SERVICE BOARDS,  
COOPER UNION,  
NEW YORK, April 3, 1890.

## NOTICE.

1. Office hours from 9 A. M. until 4 P. M.  
2. Blank applications for positions in the classified  
service of the city may be procured upon application at  
the above office.

3. Examinations will be held from time to time in  
the needs of the several Departments of the City Government  
may require. When examinations are called, all persons  
who have filed applications prior to that date will be  
notified to appear for examination for the position  
specified.

4. All information in relation to the Municipal Civil  
Service will be given upon application either in person  
or by letter. Those asking for information by mail  
should inclose stamp for reply.

5. The classification by schedule of city employees is  
as follows:

Schedule A shall include all deputies of officers and  
commissioners duly authorized to act for their principals,  
and all persons necessarily occupying a strictly confi-  
dential position.

Schedule B shall include clerks, copyists, recorders,  
bookkeepers and others rendering clerical services,  
except type-writers and stenographers.

Schedule C shall include Policemen, both in the Police  
Department and Department of Parks, and the uniformed  
force in the Fire Department, and Doormen in the Police  
Department.

Schedule D shall include all persons for whose duty  
special expert knowledge is required not included in  
Schedule E.

Schedule E shall include physicians, chemists, nurses,  
orderlies and attendants in the city hospitals and  
asylums, surgeons in the Police Department and the  
Department of Public Parks, and medical officers in the  
Fire Department.

Schedule F shall include stenographers, type-writers  
and all persons not included in the foregoing schedules  
except laborers or day workmen.

Schedule G shall include all persons employed as  
laborers or day workmen.

Positions falling within Schedules A and G are exempt  
from Civil Service examination.

LEE PHILLIPS,  
Secretary and Executive Officer

DEPARTMENT OF STREET  
CLEANING.

## NOTICE.

PERSONS HAVING BULKHEADS TO FILL, IN  
the vicinity of New York Bay, can procure material  
for that purpose—ashes, street sweepings, etc., such as  
is collected by the Department of Street Cleaning—free  
of charge, by applying to the Commissioner of Street  
Cleaning, in the Stewart Building.

THOMAS S. BRENNAN,  
Commissioner of Street Cleaning.

## AQUEDUCT COMMISSION.

AQUEDUCT COMMISSIONERS' OFFICE,  
ROOM 209, STEWART BUILDING, NO. 280 BROADWAY,  
NEW YORK, October 5, 1891.

## NOTICE OF SALE AT PUBLIC AUCTION.

ON MONDAY, OCTOBER 12, 1891, AT ELEVEN  
o'clock A. M. the Aqueduct Commissioners propose  
to sell at public auction, to the highest bidder, at  
the office of the Division Engineer of the Aqueduct  
Commissioners, at Brewster, New York, by S. P. Smith,  
auctioneer, the following described property, located on  
the lands required for the construction of Sodom Dam  
and reservoirs, namely:

One dwelling-house in good condition, 50 by 43 feet,  
with extension 48 by 22 feet. One tenement-house, 50  
by 20 feet, and out-house 11 by 9 feet. One dwelling-  
house 38 by 37 feet. Wood and out house 44 by 14 feet.  
Ice-house 16 by 12 feet. Barn 18 by 65 feet. Hen-  
house 16 by 11 feet. Board fence 180 feet long. Brick  
tenement-house 21 by 13 feet.

The bidder or bidder to whom said property shall be  
sold will be required to pay for the same in cash and  
remove the property so purchased on or before Janu-  
ary 1, 1892.

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

JOHN C. SHEEHAN,  
Secretary.

AQUEDUCT COMMISSIONERS' OFFICE,  
ROOM 209, STEWART BUILDING, NO. 280 BROADWAY,  
NEW YORK, October 5, 1891.

## TO CONTRACTORS.

BIDS OR PROPOSALS FOR GRADING, IM-  
proving and fencing the grounds at several of the  
shafts of the New Croton Aqueduct, as called for in the  
approved forms of contract and specifications on file in  
the office of the Aqueduct Commissioners, will be received  
at this office until 3 o'clock P. M. on Wednesday, Octo-  
ber 21, 1891, at which place and hour they will be  
publicly opened by the Aqueduct Commissioners, and  
the award for doing said work will be made by said Com-  
missioners as soon thereafter as possible.

Blank forms of contract and specifications for doing  
said work, and bids or proposals, and proper envelopes  
for their inclosure, can be obtained at the above office  
of the Aqueduct Commissioners on application to the  
Secretary.

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

JOHN C. SHEEHAN,  
Secretary.

## POLICE DEPARTMENT.

POLICE DEPARTMENT OF THE CITY OF NEW YORK,  
No. 300 MULBERRY STREET,  
NEW YORK, September 30, 1891.

PUBLIC NOTICE IS HEREBY GIVEN THAT  
a Buggy, the property of this Department, will be  
sold at public auction on Tuesday, October 13, 1891,  
at ten o'clock A. M., by Van Tassel & Kearney,  
Auctioneers, at their stables, Nos. 130 and 132 East  
Thirteenth street.

By order of the Board.

WM. H. KIPP,  
Chief Clerk.

POLICE DEPARTMENT—CITY OF NEW YORK,  
OFFICE OF THE PROPERTY CLERK (ROOM NO. 9),  
No. 300 MULBERRY STREET,  
NEW YORK, 1891.

OWNERS WANTED BY THE PROPERTY  
Clerk of the Police Department of the City of New  
York, No. 300 Mulberry street, Room No. 9, for the  
following property, now in his custody, without claim-  
ants: Boats, rope, iron, lead, male and female clothing,  
boots, shoes, wine, blankets, diamonds, canned goods  
liquors, etc., also small amount money taken from  
prisoners and found by patrolmen of this Department

JOHN F. HARRIOT  
Property Clerk

## NEW AQUEDUCT.

NEW AQUEDUCT, WESTCHESTER  
COUNTY SECTIONSUPREME COURT—SECOND JUDICIAL  
DISTRICT.

In the matter of the petition of Hubert O. Thompson,  
Commissioner of Public Works of the City of New  
York, under and in pursuance of chapter 490 of the  
Laws of 1883, and on behalf of the Mayor, Aldermen  
and Commonalty of the City of New York, for the  
appointment of Commissioners of Appraisal, under  
chapter 490 of the Laws of 1883.

To all persons interested in this proceeding:

NOTICE IS HEREBY GIVEN THAT THE  
sixth separate report of the above-mentioned  
Commissioners of Appraisal, appointed herein on  
October 11, 1884, which report was filed on August 25,  
1891, in the office of the Clerk of Westchester  
County, at the Court-house in the Village of White  
Plains, in said County, will be presented for con-  
firmation to the Supreme Court, at a Special Term  
thereof, to be held in the Second Judicial District, at  
the Court-house, in Poughkeepsie, Dutchess County, on  
October 24, 1891, at 11 o'clock in the forenoon.

Dated New York, September 24, 1891.

WILLIAM H. CLARK,  
Counsel to the Corporation,  
No. 2 Tryon Row, New York City.

## DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
ROOM 6, NO. 31 CHAMBERS STREET,  
NEW YORK, October 6, 1891.

## 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 12 o'clock M., on Tuesday, October  
20, 1891, at which place and hour they will be publicly  
opened by the head of the Department.

No. 1. FOR ALTERATION AND IMPROVEMENT  
TO SEWER IN NINETY-FIFTH STREET,  
between First and Third avenues, and in  
SECOND AVENUE (east and west sides),  
between Ninety-fifth and Ninety-sixth  
streets, AND CURVE IN SECOND  
AVENUE, south of Ninety-fifth street.

No. 2. FOR SEWER IN ONE HUNDRED AND  
TWENTY-FIFTH STREET, between pre-  
sent sewer and bulkhead-wall at One Hun-  
dred and Twenty-fifth street and Harlem  
River.

No. 3. FOR SEWER IN ONE HUNDRED AND  
EIGHTY-FIFTH STREET, between Am-  
sterdam and Audubon avenues.

No. 4. FOR SEWER IN FIRST AVENUE, between  
Forty-third and Forty-fourth streets.

No. 5. FOR SEWER IN FIRST AVENUE, between  
Forty-second and Forty-third streets, CON-  
NECTING WITH PRESENT SEWER IN  
FOURTH STREET, east of First  
avenue.

No. 6. FOR SEWER IN FIRST AVENUE, between  
Eighty-ninth and Ninetieth streets.

No. 7. FOR SEWER IN PARK AVENUE, east  
side, between One Hundred and Fifteenth  
and One Hundred and Sixteenth streets.

No. 9. FOR NECESSARY MATERIALS AND  
LABOR FOR REPAIRING SIDEWALKS  
AND FENCING AROUND THE COR-  
PORATION YARD, MANGIN, RIVIN-  
TON AND TOMPINS STREETS.

No. 10. FOR REGULATING AND PAVING WITH  
GRANITE-BLOCK PAVEMENT, WITH  
CONCRETE FOUNDATION, THE  
CARRIAGEWAY OF NINETEENTH  
STREET, from Avenue A to First avenue  
(so far as the same is within the limits of  
grants of land under water).

No. 11. FOR REGULATING AND PAVING WITH  
GRANITE-BLOCK PAVEMENT WITH  
CONCRETE FOUNDATION, THE CAR-  
RIAGEWAY OF FIFTY-SECOND  
STREET, from the easterly side of Twelfth  
avenue to bulkhead-line of Hudson river.

No. 12. FOR REGULATING AND PAVING WITH  
GRANITE-BLOCK PAVEMENT, THE  
ROADWAY OF FIFTY-EIGHTH  
STREET, from Eleventh avenue to a line  
about 360 feet westerly.

No. 13. FOR REGULATING AND PAVING WITH  
GRANITE-BLOCK PAVEMENT, THE  
ROADWAY OF FIFTY-EIGHTH  
STREET, from a line about 360 feet west of  
Eleventh avenue to the Hudson river (so far  
as the same is within the limits of grants of  
land under water).

No. 14. FOR REGULATING AND PAVING WITH  
GRANITE-BLOCK PAVEMENT, WITH  
CONCRETE FOUNDATION, THE  
ROADWAY OF ONE HUNDRED AND  
THIRD STREET, from First avenue to  
East river.

No. 15. FOR FLAGGING AND REFLAGGING,  
CURBING AND RECURBING THE  
SIDEWALKS ON THE EAST SIDE OF  
TENTH AVENUE, from Twenty-ninth to  
Thirtieth street, AND ON THE SOUTH  
SIDE OF THIRTIETH STREET, from  
Ninth to Tenth avenue.

No. 16. FOR FLAGGING FULL WIDTH AND  
REFLAGGING THE SIDEWALKS ON  
NINETEENTH STREET, from Avenue A  
to First avenue.

No. 17. FOR FLAGGING FULL WIDTH AND  
REFLAGGING, CURBING AND RE-  
CURBING THE SIDEWALKS ON ONE  
HUNDRED AND SIXTEENTH STREET,  
from Madison avenue to Eighth avenue.

No. 18. FOR REGULATING AND GRADING ONE  
HUNDRED AND TWENTY-SEVENTH  
STREET, from St. Nicholas avenue to Law-  
rence street, and setting curb-stones and  
flagging sidewalks therein.

No. 19. FOR REGULATING AND GRADING  
AMSTERDAM AVENUE, from One Hun-  
dred and Ninety-fourth street to Fort George  
avenue, AND SETTING CURB-STONES  
AND FLAGGING SIDEWALKS  
THEREIN.

No. 20. FOR FLAGGING AND REFLAGGING,  
CURBING AND RECURBING THE  
SIDEWALKS ON THE NORTHEAST  
CORNER OF FIFTH AVENUE AND  
EIGHTY-SIXTH 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 depart-  
ment, 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 thereof.

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 Cor-  
poration 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 accom-  
panied 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 suc-  
cessful 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 Rooms 1, 5, 9 and 10, No. 31 Chambers  
street.

THOS. F. GILROY,  
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
NO. 31 CHAMBERS STREET,  
NEW YORK, August 14, 1889.

TO OWNERS OF LANDS ORIGINALLY  
ACQUIRED BY WATER GRANTS.

ATTENTION IS CALLED TO THE RECENT  
act of the Legislature (chapter 449, Laws of 1889),  
which provides that whenever any streets or avenues in  
the city, described in any grant of land under water,  
from the Mayor, Aldermen and Commonalty containing  
covenants requiring the grantees and their successors to  
pave, repave, keep in repair or maintain such streets,  
shall be in need of repairs, pavement or repavement  
the Common Council may, by ordinance, require  
the same to be paved, repaved or repaired, and  
the expense thereof to be assessed on the property  
benefited; and whenever the owner of a lot so assessed  
shall have paid the assessment levied for such paving,  
repaving or repairing, such payment shall release and  
discharge such owner from any and every covenant and  
obligation as to paving, repaving and repairing, con-  
tained in the water grant under which the premises are  
held, and no further assessment shall be imposed on  
such lot for paving, repaving or repairing such street or  
avenue, unless it shall be petitioned for by a majority of  
the owners of the property (who shall also be the owners  
of a majority of the property in frontage) on the line of  
the proposed improvement.

The act further provides that the owner of any such  
lot may notify the Commissioner of Public Works, in  
writing, specifying the ward number and street number  
of the lot that he desires, for himself, his heirs and  
assigns, to be released from the obligation of such  
covenants and elects and agrees that said lot shall be  
thereafter liable to be assessed as above provided, and  
thereupon the owner of such lot, his heirs and assigns  
shall thenceforth be relieved from any obligation to  
pave, repair, uphold or maintain said street, and the lot  
in respect of which such notice was given shall be liable  
to assessment accordingly.

The Commissioner of Public Works desires to give  
the following explanation of the operation of this act:  
When notice, as above described, is given to the  
Commissioner of Public Works, the owner of the lot or  
lots therein described, and his heirs and assigns, are  
forever released from all obligation under the grant in  
respect to paving, repaving or repairing the street in  
front of or adjacent to said lot or lots, except one assess-  
ment for such paving, repaving or repairs, as the  
Common Council may, by ordinance direct to be made  
thereafter.

No street or avenue within the limits of such grants  
can be paved, repaved or repaired until said grant is  
authorized by ordinance of the Common Council, and  
when the owners of such lots desire their streets to be  
paved, repaved or repaired, they should state their desire  
and make their application to the Board of Aldermen  
and not to the Commissioner of Public Works, who has  
no authority in the matter until directed by ordinance of  
the Common Council to proceed with the pavement,  
repavement or repairs.

THOS. F. GILROY,  
Commissioner of Public Works.



## FINANCE DEPARTMENT.

FINANCE DEPARTMENT,  
BUREAU FOR THE COLLECTION OF TAXES,  
No. 57 CHAMBERS STREET (STEWART BUILDING),  
New York, October 5, 1891.

## NOTICE TO TAXPAYERS.

NOTICE IS HEREBY GIVEN THAT THE Assessment Rolls of Real Estate, Personal Property and Bank Stock in the City and County of New York, for the year 1891, and the warrants for the collection of taxes, have been delivered to the undersigned, and that all the taxes on said assessment rolls are now due and payable at this office.

In case of payment on or before the first day of November next, the person so paying shall be entitled to the benefits mentioned in section 842 of the New York City Consolidation Act of 1882, viz.: a reduction of interest at the rate of 6 per cent. per annum between the day of such payment and the first day of December next.

GEORGE W. MCLEAN,  
Receiver of Taxes.

CITY OF NEW YORK,  
FINANCE DEPARTMENT,  
COMPTROLLER'S OFFICE,  
September 30, 1891.

## 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 in the matter of acquiring title to East One Hundred and Seventy-second street, from Vanderbilt avenue, East, to Third avenue, in the Twenty-fourth Ward of the City of New York, which was confirmed by the Supreme Court, September 22, 1891, and entered on the 26th day of September, 1891, 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," Room 31, Stewart Building, between the hours of 9 A. M. and 2 P. M., and all payments made thereon on or before November 25, 1891, 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 cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

THEO. W. MYERS,  
Comptroller.

CITY OF NEW YORK,  
FINANCE DEPARTMENT,  
COMPTROLLER'S OFFICE,  
September 28, 1891.

## 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 in the matter of acquiring title to Melrose avenue, from Third avenue to East One Hundred and Sixty-third street, in the Twenty-third Ward of the City of New York, which was confirmed by the Supreme Court May 1, 1891, and entered on the 22d day of September, 1891, 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," Room 31, Stewart Building, between the hours of 9 A. M. and 2 P. M., and all payments made thereon on or before November 23, 1891, 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 cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

THEO. W. MYERS,  
Comptroller.

## REAL ESTATE RECORDS.

THE ATTENTION OF LAWYERS, REAL Estate Owners, Monetary Institutions engaged in making loans upon real estate, and all who are interested in providing themselves with facilities for reducing the cost of examinations and searches, is invited to these Official Indices of Records, containing all recorded transfers of real estate in the City of New York from 1853 to 1887, prepared under the direction of the Commissioners of Records.

Grantors, grantees, suits in equity, insolvents' and Sheriff's sales in 61 volumes, full bound, price ..... \$100 00  
The same in 25 volumes, half bound ..... 50 00  
Complete sets, folded, ready for binding ..... 10 00  
Records of Judgments, 25 volumes, bound ..... 10 00  
Orders should be addressed to  
Room 23, Stewart Building.

THEODORE W. MYERS,  
Comptroller.

## INTEREST ON CITY BONDS AND STOCKS.

THE INTEREST DUE NOVEMBER 1, 1891, ON the Registered Bonds and Stocks of the City and County of New York will be paid on that day by the Comptroller at the office of the City Chamberlain, Room 27, Stewart Building, corner of Broadway and Chambers street.

The Transfer Books will be closed from September 30 to November 1, 1891.

The interest due November 1, 1891, on the Coupon Bonds of the City of New York will be paid on that day by the State Trust Company, No. 50 Wall street.

THEO. W. MYERS,  
Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,  
COMPTROLLER'S OFFICE, Sept. 27, 1891.

## ARMORY BOARD.

ARMORY BOARD—OFFICE OF THE SECRETARY,  
STAATS-ZEITUNG BUILDING, TRYON ROW,  
New York, September 17, 1891.

PROPOSALS FOR ESTIMATES FOR FURNISHING FURNITURE, SAFE, FIRE HOSE, KITCHEN RANGE AND UTENSILS AND ARMORER'S TOOLS FOR THE EIGHTH, NINTH, TWENTY-SECOND AND SIXTY-NINTH REGIMENTS, TROOP "A," SIGNAL CORPS AND THE SECOND BATTERY, N. G. S. N. Y., NEW YORK CITY.

PROPOSALS FOR ESTIMATES FOR FURNISHING Safe, Fire Hose, Kitchen Range and Utensils and Armorer's Tools for the Armories of the Eighth, Ninth, Twenty-second and Sixty-ninth Regiments, Troop "A," Signal Corps and the Second Battery, N. G. S. N. Y., New York City, will be received by the Armory Board, at the MAYOR'S OFFICE, CITY HALL, UNTIL 10.30 O'CLOCK A. M. OF THE 9TH DAY OF OCTOBER, 1891, at which time and place they will be publicly opened and read by said Board.

Any person making an estimate for the above work shall furnish the same in a sealed envelope to the President of said Armory Board, indorsed "Estimate for furnishing Furniture, Safe, Fire-hose, Kitchen Range and Utensils and Armorer's Tools for the Eighth, Ninth, Twenty-second and Sixty-ninth Regiments, Troop 'A,' Signal Corps and the Second Battery, N. G. S. N. Y., New York City," and also with the name of the person or persons presenting the same, and the date of its presentation.

Any bidder for this contract 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 his or their bond, with two sufficient sureties, in the amount of ONE THOUSAND FIVE HUNDRED (\$1,500) DOLLARS.

Bidders are required to submit their estimates upon the following express conditions, which shall apply to and become part of every estimate received:

1st. Bidders must satisfy themselves, by personal examination of the location of the proposed work, and by such other means as they may prefer, as to the accuracy of the estimate, and shall not at any time after the submission of an estimate dispute or complain of the statement of quantities, nor assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

2d. Bidders will be required to complete the entire work to the satisfaction of the Armory Board, and in substantial accordance with the specifications of the contract and the plans therein referred to. No extra compensation, beyond the amount payable for the work before mentioned, which shall be actually performed, at the prices therefor to be specified by the lowest bidder, shall be due or payable for the entire work.

Bidders will state in their estimates a price for the whole of the work to be done, in conformity with the approved form of contract and the specifications therein set forth, by which price the bids will be tested. This price is to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay from any cause in the performing of the work thereunder.

Bidders will distinctly write out, both in words and in figures, the amount of their estimates for doing this work.

The person or persons to whom the contract may be awarded will be required to attend at this office with the sureties offered by him or them, and execute the contract within five days from the date of the service of a notice to that effect; and in case of failure or neglect so to do, he or they will be considered as having abandoned it, and as in default to the Corporation; and the contract will be readvertised and relet, and so on until it be accepted and executed.

Bidders are required to state in their estimates their names and places of residence; the names of all persons interested with them therein; and if no other person be so interested, the estimate shall distinctly state the fact; also that the estimate is made without any connection with any other person making an estimate for the same work; and that it is in all respects fair and without collusion or fraud; and also 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 therein, or in the supplies or work to which it relates, or in any portion of the profits thereof; which estimate must be verified by the oath, in writing, of the party making the estimate, that the several matters stated therein are in all respects true. *Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.*

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person or persons making the estimate, they will, on its being so awarded, become bound as his or their sureties for its faithful performance; and that if said person or persons shall omit or refuse to execute the contract, they will pay to the Corporation of the City of New York any difference between the sum to which said person or persons would be entitled on its completion, and that which said Corporation or the Armory Board may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case, to be calculated upon the estimated amount of the work to be done by which the bids are tested. 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 the contract, and that he is not a 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 therein, or in the supplies or work to which it relates, or in any portion of the profits thereof; which estimate must be verified by the oath, in writing, of the party making the estimate, that the several matters stated therein are in all respects true. *Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.*

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person or persons making the estimate, they will, on its being so awarded, become bound as his or their sureties for its faithful performance; and that if said person or persons shall omit or refuse to execute the contract, they will pay to the Corporation of the City of New York any difference between the sum to which said person or persons would be entitled on its completion, and that which said Corporation or the Armory Board may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case, to be calculated upon the estimated amount of the work to be done by which the bids are tested. 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 the contract, and that he is not a 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 therein, or in the supplies or work to which it relates, or in any portion of the profits thereof; which estimate must be verified by the oath, in writing, of the party making the estimate, that the several matters stated therein are in all respects true. *Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.*

No estimate will be received or 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 SEVENTY-FIVE DOLLARS (\$75). 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 Board, 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 by the Comptroller 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 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 his deposit shall be returned to him by the Comptroller.

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

Bidders are requested, in making their bids or estimates, to use a blank prepared for that purpose by the Board, a copy of which, together with the form of the agreement, including specifications, and showing the

manner of payment for the work, can be seen upon application at the Armory of the Twenty-second Regiment, southeast corner of the Boulevard and Sixty-eighth street.

The Board reserves the right to reject any or all estimates not deemed beneficial to or for the public interest. Plans may be examined and specifications and blank forms for bids or estimates obtained, by application to the Inspector, John Guy, at the Twenty-second Regiment Armory, southeast corner of the Boulevard and Sixty-eighth street.

HUGH J. GRANT, Mayor;  
EDWARD P. BARKER,  
President Department Taxes and Assessments;  
THOS. F. GILROY,  
Commissioner Public Works Department;  
BRIG-GEN. LOUIS FITZGERALD,  
COL. JAMES CAVANAGH,  
Armory Board Commissioners.

ARMORY BOARD—OFFICE OF THE SECRETARY,  
STAATS ZEITUNG BUILDING, TRYON ROW,  
New York, September 17, 1891.

PROPOSALS FOR ESTIMATES FOR FURNISHING MATERIALS AND WORK IN THE ERECTION OF AN ARMORY BUILDING ON THE EASTERLY SIDE OF FOURTH AVENUE, EXTENDING FROM THIRTY-THIRD TO THIRTY-FOURTH STREET, NEW YORK CITY.

PROPOSALS FOR ESTIMATES FOR FURNISHING materials and work in the erection of an Armory Building on the easterly side of Fourth avenue, extending from Thirty-third to Thirty-fourth street, City and County of New York, will be received by the Armory Board at the MAYOR'S OFFICE, CITY HALL, UNTIL 10.30 O'CLOCK A. M. OF THE 9TH DAY OF OCTOBER, 1891, at which time and place they will be publicly opened and read by said Board.

Any person making an estimate for the above work shall furnish the same in a sealed envelope to the President of said Armory Board, indorsed "Estimate for Furnishing Materials and Work in the erection of an Armory Building on the easterly side of Fourth avenue, extending from Thirty-third to Thirty-fourth street," and also with the name of the person or persons presenting the same, and the date of its presentation.

Any bidder for this contract 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 his or their bond, with two sufficient sureties, in the amount of ONE HUNDRED THOUSAND DOLLARS (\$100,000).

Bidders are required to submit their estimates upon the following express conditions, which shall apply to and become part of every estimate received:

1st. Bidders must satisfy themselves, by personal examination of the location of the proposed work, and by such other means as they may prefer, as to the accuracy of the estimate, and shall not at any time after the submission of an estimate dispute or complain of the statement of quantities, nor assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

2d. Bidders will be required to complete the entire work to the satisfaction of the Armory Board, and in substantial accordance with the specifications of the contract and the plans therein referred to. No extra compensation, beyond the amount payable for the work before mentioned, which shall be actually performed, at the prices therefor to be specified by the lowest bidder, shall be due or payable for the entire work.

Bidders will state in their estimates a price for the whole of the work to be done, in conformity with the approved form of contract and the specifications therein set forth, by which price the bids will be tested. This price is to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay from any cause in the performing of the work thereunder.

Bidders will distinctly write out, both in words and in figures, the amount of their estimates for doing this work. The person or persons to whom the contract may be awarded will be required to attend at this office with the sureties offered by him or them, and execute the contract within five days from the date of the service of a notice to that effect; and in case of failure or neglect so to do, he or they will be considered as having abandoned it, and as in default to the Corporation; and the contract will be readvertised and relet, and so on until it be accepted and executed.

Bidders are required to state in their estimates their names and places of residence; the names of all persons interested with them therein; and if no other person be so interested, the estimate shall distinctly state the fact; also that the estimate is made without any connection with any other person making an estimate for the same work; and that it is in all respects fair and without collusion or fraud; and also 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 therein, or in the supplies or work to which it relates, or in any portion of the profits thereof; which estimate must be verified by the oath, in writing, of the party making the estimate, that the several matters stated therein are in all respects true. *Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.*

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person or persons making the estimate, they will, on its being so awarded, become bound as his or their sureties for its faithful performance; and that if said person or persons shall omit or refuse to execute the contract, they will pay to the Corporation of the City of New York any difference between the sum to which said person or persons would be entitled on its completion, and that which said Corporation or the Armory Board may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case, to be calculated upon the estimated amount of the work to be done by which the bids are tested. 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 the contract, and that he is not a 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 therein, or in the supplies or work to which it relates, or in any portion of the profits thereof; which estimate must be verified by the oath, in writing, of the party making the estimate, that the several matters stated therein are in all respects true. *Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.*

No estimate will be received or 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 THOUSAND DOLLARS (\$5,000). 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 Board 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 by the Comptroller 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 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 his deposit will be returned to him by the Comptroller.

No 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.

Bidders are requested, in making their bids or estimates, to use a blank prepared for that purpose by the Board, a copy of which, together with the form of the agreement, including specifications, and showing the manner of payment for the work, can be seen upon application at the office of the Architect, J. R. THOMAS, No. 160 BROADWAY, New York City.

The Board reserves the right to reject any or all estimates not deemed beneficial to or for the public interest. Plans may be examined and specifications and blank forms for bids or estimates obtained by application to the Architect, at his office, No. 160 BROADWAY, New York City.

HUGH J. GRANT, Mayor;  
EDWARD P. BARKER,  
President Department Taxes and Assessments;  
THOS. F. GILROY,  
Commissioner Public Works Department;  
COL. JAMES CAVANAGH,  
BRIG-GEN. LOUIS FITZGERALD,  
Armory Board Commissioners.

ARMORY BOARD—OFFICE OF THE SECRETARY,  
STAATS-ZEITUNG BUILDING, TRYON ROW,  
New York, September 17, 1891.

PROPOSALS FOR ESTIMATES FOR FURNISHING MATERIALS AND WORK FOR ADDITIONS, ALTERATIONS AND REPAIRS TO THE ARMORY BUILDINGS FOR THE EIGHTH, TWELFTH AND TWENTY-SECOND REGIMENTS, N. G. S. N. Y., NEW YORK CITY.

PROPOSALS FOR ESTIMATES FOR FURNISHING materials and work for Additions, Alterations and Repairs to the Armory Buildings for the Eighth, Twelfth and Twenty-second Regiments, N. G. S. N. Y., New York City, will be received by the Armory Board, at the MAYOR'S OFFICE, CITY HALL, UNTIL 10.30 O'CLOCK A. M. OF THE 9TH DAY OF OCTOBER, 1891, at which time and place they will be publicly opened and read by said Board.

Any person making an estimate for the above work shall furnish the same in a sealed envelope to the President of said Armory Board, indorsed "Estimate for Furnishing Materials and Work for Additions, Alterations and Repairs to the Armory Buildings for the Eighth, Twelfth and Twenty-second Regiments, N. G. S. N. Y., New York City," and also with the name of the person or persons presenting the same, and the date of its presentation.

Any bidder for this contract 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 his or their bond, with two sufficient sureties, in the amount of FIVE THOUSAND (\$5,000) DOLLARS.

Bidders are required to submit their estimates upon the following express conditions, which shall apply to and become part of every estimate received:

1st. Bidders must satisfy themselves, by personal examination of the location of the proposed work, and by such other means as they may prefer, as to the accuracy of the estimate, and shall not at any time after the submission of an estimate dispute or complain of the statement of quantities, nor assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

2d. Bidders will be required to complete the entire work to the satisfaction of the Armory Board, and in substantial accordance with the specifications of the contract and the plans therein referred to. No extra compensation, beyond the amount payable for the work before mentioned, which shall be actually performed at the prices therefor, to be specified by the lowest bidder, shall be due or payable for the entire work.

Bidders will state in their estimate a price for the whole of the work to be done, in conformity with the approved form of contract and the specifications therein set forth, by which price the bids will be tested. This price is to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay from any cause, in the performing of the work thereunder.

Bidders will distinctly write out, both in words and in figures, the amount of their estimates for doing this work.

The person or persons to whom the contract may be awarded will be required to attend at this office with the sureties offered by him or them, and execute the contract within five days from the date of the service of a notice to that effect; and in case of failure or neglect so to do, he or they will be considered as having abandoned it, and as in default to the Corporation; and the contract will be readvertised and relet, and so on until it be accepted and executed.

Bidders are required to state in their estimates their names and places of residence; the names of all persons interested with them therein; and if no other person be so interested, the estimate shall distinctly state the fact; also that the estimate is made without any connection with any other person making an estimate for the same work; and that it is in all respects fair, and without collusion or fraud; and also 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 therein, or in the supplies or work to which it relates, or in any portion of the profits thereof; which estimate must be verified by the oath, in writing, of the party making the estimate, that the several matters stated therein are in all respects true. *Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.*

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person or persons making the estimate, they will, on its being so awarded, become bound as his or their sureties for its faithful performance; and that if said person or persons shall omit or refuse to execute the contract, they will pay to the Corporation of the City of New York any difference between the sum to which said person or persons would be entitled on its completion, and that which said Corporation or the Armory Board may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case, to be calculated upon the estimated amount of the work to be done by which the bids are tested. 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 the contract, and that he is not a 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 therein, or in the supplies or work to which it relates, or in any portion of the profits thereof; which estimate must be verified by the oath, in writing, of the party making the estimate, that the several matters stated therein are in all respects true. *Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.*

No estimate will be received or 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 TWO HUNDRED AND FIFTY DOLLARS (\$250). 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 Board 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 by the Comptroller 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 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 his deposit will be returned to him by the Comptroller.

No 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.

Bidders are requested, in making their bids or estimates, to use a blank prepared for that purpose by the Board, a copy of which, together with the form of the agreement, including specifications, and showing the manner of payment for the work, can be seen upon application at the Armory of the Twenty-second Regiment, southeast corner of the Boulevard and Sixty-eighth street.

The Board reserves the right to reject any or all estimates not deemed beneficial to or for the public interest.

Plans may be examined and specifications and blank forms for bids or estimates obtained by application to the Inspector, John Guy, at the Twenty-second Regiment Armory, southeast corner of the Boulevard and Sixty-eighth street, New York City.

HUGH J. GRANT, Mayor;  
EDWARD P. BARKER,  
President Department Taxes and Assessments;  
THOMAS F. GILROY,  
Commissioner Public Works Department;  
BRIG.-GEN. LOUIS FITZGERALD,  
COL. JAMES CAVANAGH,  
Armory Board Commissioners.

#### DEPARTMENT OF DOCKS.

DEPARTMENT OF DOCKS,  
PIER "A," NORTH RIVER.

#### TO CONTRACTORS.

(No. 400.)

#### PROPOSALS FOR ESTIMATES FOR DREDGING AT SUNDRY-NAMED PLACES ON THE NORTH AND EAST RIVERS.

ESTIMATES FOR DREDGING AT SUNDRY-NAMED PLACES ON THE NORTH AND EAST RIVERS will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department, on Pier "A," foot of Battery place, North river, in the City of New York, until 1 o'clock P. M. of

THURSDAY, OCTOBER 22, 1891,

at which time and place the estimates will be publicly opened by the head of said Department. The award of the contract, if awarded, will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the work shall furnish the same in a sealed envelope to said Board, at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation, and a statement of the work to which it relates.

The bidder to whom the award is made shall give security for the faithful performance of the contract in the manner prescribed and required by ordinance in the sum of Two Thousand Five Hundred Dollars.

The Engineer's estimate of the quantities of material necessary to be dredged in order to secure at the premises mentioned the depth of water set opposite thereto in the specifications, is as follows:

ON THE NORTH RIVER.	
For Pier, new 57 (south side).....	25,000 cubic yards
ON THE EAST RIVER.	
For Pier 4 (east side).....	3,750 cubic yards.
For Pier 5 (west side).....	3,750 "
For Bulkhead between Piers 4 and 5	300 "
For Bulkhead at foot of Cherry street.....	1,800 "
For Pier 55 (south side).....	2,500 "
For Pier 56 (north side).....	2,000 "
For Pier 57 (south side).....	2,000 "
For Bulkhead between Piers 55 and 57.....	1,000 "
For Pier 60 (north side).....	200 "
For Bulkhead along Rivington street.....	2,500 "
For Bulkhead between Rivington street and Pier 61.....	1,250 "
For Pier 61 (south side).....	2,500 "
Total.....	48,550 "

N. B.—Bidders are required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received:

(1.) Bidders must satisfy themselves, by personal examination of the location of the proposed dredging, and by such other means as they may prefer, as to the accuracy of the foregoing Engineer's estimate, and shall not, at any time after the submission of an estimate, dispute or complain of the above statement of quantities, nor assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

(2.) Bidders will be required to complete the entire work to the satisfaction of the Department of Docks, and in substantial accordance with the specifications of the contract. No extra compensation, beyond the amount payable for the work before mentioned, which shall be actually performed, at the price therefor, per cubic yard, to be specified by the lowest bidder, shall be due or payable for the entire work.

The work to be done under this contract is to be commenced within five days after the date of the contract, and the entire work is to be fully completed on or before the 30th day of December, 1891, and the damages to be paid by the contractor for each day that the contract may be unfulfilled after the time fixed for the fulfillment thereof has expired, are, by a clause in the contract, fixed and liquidated at Fifty Dollars per day.

Bidders will state in their estimates a price, per cubic yard, for doing such dredging in conformity with the approved form of agreement and the specifications therein set forth, by which price the bids will be tested. This price is to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay, from any cause, in the performing of the work thereunder.

Bidders will distinctly write out, both in words and in figures, the amount of their estimates for doing this work.

The person or persons to whom the contract may be awarded will be required to attend at this office with the sureties offered by him or them, and execute the contract within five days from the date of the service of a notice to that effect; and in case of failure or neglect so to do, he or they will be considered as having abandoned it, and as in default to the Corporation; and the contract will be re-advertised and relet, and so on, until it be accepted and executed.

Bidders are required to state in their estimates their names and places of residence; the names of all persons interested with them therein; and if no other person be so interested, the estimate shall distinctly state the fact; also, that the estimate is made

without any connection with any other person making an estimate for the same work, and that it is in all respects fair, and without collusion or fraud; and also 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 therein, or in the supplies or work to which it relates, or in any portion of the profits thereof; which estimate must be verified by the oath, in writing, of the party making the estimate, that the several matters stated therein are in all respects true. *Where more than one person is interested, it is requisite that the verification be made and subscribed to by all the parties interested.*

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person or persons making the estimate, they will, upon its being so awarded, become bound as his or their sureties for its faithful performance; and that if said person or persons shall omit or refuse to execute the contract, they will pay to the Corporation of the City of New York any difference between the sum to which said person or persons would be entitled upon its completion, and that which said Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work to be done, by which the bids are tested. 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 the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety and otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered will be subject to approval by the Comptroller of the City of New York after the award is made and prior to the signing of the contract.

No estimate will be received or 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 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 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 his deposit will be returned to him.

Bidders are informed that no deviation from the specifications will be allowed, unless under the written instructions of the Engineer-in-Chief.

No 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 RIGHT TO DECLINE ALL THE ESTIMATES IS RESERVED, IF DEEMED FOR THE INTEREST OF THE CORPORATION OF THE CITY OF NEW YORK.

Bidders are requested, in making their bids or estimates, to use the blank prepared for that purpose by the Department, a copy of which, together with the form of agreement, including specifications, and showing the manner of payment for the work, can be obtained upon application therefor at the office of the Department.

EDWIN A. POST,  
J. SERGEANT CRAM,  
JAMES J. PHELAN,  
Commissioners of the Department of Docks.  
Dated New York, October 7, 1891.

#### NOTICE.

DEPARTMENT OF DOCKS,  
PIER "A," BATTERY PLACE, NORTH RIVER,  
NEW YORK, September 24, 1891.

MESSRS. VAN TASSELL & KEARNEY, auctioneers, will sell, at public auction, at Pier "A," Battery place, in the City of New York, on

THURSDAY, OCTOBER 15, 1891,

at 12 o'clock noon, the right to collect and retain all wharfage which may accrue for the use and occupation by vessels of more than five tons burden, of the following-named piers and bulkheads, to wit:

On the North River.

For the term of five years from May 1, 1896.  
Lot 1. Pier, foot of Jane street (to be extended).  
For the term of five years from November 1, 1891.  
Lot 2. Pier at foot of West Fifty-second street.  
Lot 3. Pier at foot of West One Hundred and Twenty-ninth street, except the dump of Department of Street Cleaning on southerly side.

For the term of three years from November 1, 1891.  
Lot 4. Pier at foot of West One Hundred and Thirty-second street.  
Lot 5. Pier at foot of West One Hundred and Fifty-second street.

On the East River.

For the term of five years from November 1, 1891.  
Lot 6. Bulkhead platform southerly of East Thirty-ninth street, about 99 feet.

#### TERMS AND CONDITIONS OF SALE.

The premises must be taken in the condition in which they may be at the commencement of the term of the lease, and no claim or demand that the premises or property are not in suitable and tenantable condition at the commencement of the term will be allowed by this Department.

All repairs, maintaining or rebuilding required or necessary to be done to or upon the premises, or any part thereof, during the continuance of the term of the lease, shall be done by and at the cost and expense of the lessee or purchaser.

No claim or demand will be considered or allowed by the Department for any loss or deprivation of wharfage or otherwise, resulting from or occasioned by any delay on account or by reason of the premises or any part thereof being occupied for or on account of any repairs, rebuilding or dredging.

The upset price of the parcels or premises exposed or offered for sale will be announced by the auctioneer at the time of sale.

The Department will do all dredging whenever it shall deem it necessary or advisable so to do.  
The term for which leases are sold will commence at the date mentioned in the advertisement, and the rents accruing therefor will be payable from that date in each case.

Each purchaser of a lease will be required, at the time of the sale, to pay, in addition to the auctioneer's fees, to the Department of Docks, twenty-five per cent. (25%) of the amount of annual rent bid, as security for the execution of the lease, which twenty-five per cent. (25%) will be applied to the payment of the rent first accruing under the lease when executed, or will be forfeited to the Department if the purchaser neglects or refuses to execute the lease, with good and sufficient surety or

sureties, to be approved by the Department, within ten days after being notified that the lease is prepared and ready for execution at the office of the Department of Docks, Pier "A," North river, Battery place.

The Department expressly reserves the right to resell the lease or premises bid off, by those failing, refusing or neglecting to comply with these terms and conditions, the party so failing, refusing or neglecting, to be liable to the Corporation of the City of New York for any deficiency resulting from or occasioned by such resale.

Lessees will be required to pay their rent quarterly in advance, in compliance with the terms and conditions of the lease prepared and adopted by the Department.

In all cases where it is mentioned in the advertisement of sale, the purchaser shall be entitled to the privilege of occupying any shed upon the pier or bulkhead at the commencement of the term or that may thereafter be permitted or licensed by the Department, and to the rights attached to such permission or license, but subject to the conditions thereof, such purchaser being engaged in the business of steam transportation and using and employing the same for the purpose of regularly receiving and discharging cargo thereat.

Not less than two sureties, each to be a householder or freeholder in the State of New York, to be approved by the Board of Docks, will be required under each lease to enter into a bond or obligation, jointly and severally with the lessee, in the sum of double the annual rent, for the faithful performance of all the covenants and conditions of the lease, the names and addresses of the sureties to be submitted at the time of sale.

Each purchaser will be required to agree that he will, upon ten days' notice so to do, execute a lease with sufficient surety as aforesaid, the printed form of which may be seen and examined upon application to the Secretary, at the office of the Department, Pier "A," Battery place.

No person will be received as a lessee or surety who is delinquent on any former lease from this Department or the Corporation.

No bid will be accepted from any person who is in arrears to this Department or the Corporation, upon debt or contract, or who is a defaulter as surety or otherwise, upon any obligation to this Department or to the Corporation of the City of New York.

The auctioneer's fees (\$25) on each lot or parcel must be paid by the purchasers thereof respectively at the time of sale.

Dated New York, September 24, 1891.

EDWIN A. POST,  
J. SERGEANT CRAM,  
JAMES J. PHELAN,  
Commissioners of the Department of Docks.

(Work of Construction under New Plan.)

DEPARTMENT OF DOCKS,  
PIER "A," NORTH RIVER.

#### TO CONTRACTORS.

(No. 398.)

#### PROPOSALS FOR ESTIMATES FOR FURNISHING GRANITE STONES FOR BULKHEAD OR RIVER WALL.

ESTIMATES FOR FURNISHING GRANITE Stones for Bulkhead or River Wall will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department, on Pier "A," foot of Battery place, North river, in the City of New York, until 1 o'clock P. M. of

THURSDAY, OCTOBER 15, 1891,

at which time and place the estimates will be publicly opened by the head of said Department. The award of the contract, if awarded, will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the work shall furnish the same in a sealed envelope to said Board, at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation, and a statement of the work to which it relates.

The bidder to whom the award is made shall give security for the faithful performance of the contract, in the manner prescribed and required by ordinance, in the sum of Thirteen Thousand Four Hundred Dollars. The Engineer's estimate of the work to be done is as follows:

To be furnished, cut in accordance with specifications.  
1,240 pieces of Granite, consisting of:  
Class 1.—566 Headers and 546 Stretchers, containing about 23,000 cubic feet.  
Class 2.—128 Coping-stones, containing about 10,240 cubic feet.

For further particulars, see the drawings referred to in the specifications forming part of the contract.

N. B.—As the above-mentioned quantities of cubic feet, though stated with as much accuracy as is possible, in advance, is approximate only, bidders are required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received:

(1.) Bidders must satisfy themselves, by personal examination of similar stones, now owned by the Department of Docks, and of the plans and by such other means as they may prefer, as to the accuracy of the foregoing Engineer's estimate, and shall not, at any time after the submission of an estimate, dispute or complain of the above statement of quantities, nor assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

(2.) Bidders will be required to complete the entire work to the satisfaction of the Department of Docks, and in substantial accordance with the specifications of the contract and the plans therein referred to. No extra compensation, beyond the amount payable for the work before mentioned, which shall be actually performed, at the price therefor, per cubic foot, to be specified by the lowest bidder, shall be due or payable for the entire work.

The first delivery of granite under this contract will be made as soon as practicable after the date of the execution of this contract, and will proceed thereafter with reasonable dispatch, and all the work to be done under this contract is to be fully completed on or before the 1st day of July, 1892, and the amounts in each delivery are to be divided between the several classes, as ordered by the Engineer-in-Chief. The damages to be paid by the contractor for each day that the contract may be unfulfilled after the time fixed for the fulfillment thereof has expired, are, by a clause in the contract, determined, fixed and liquidated at Fifty Dollars per day.

Bidders will state in their estimates the price per cubic foot for the stones to be furnished, in conformity with the approved form of agreement and the specifications therein set forth, by which price the bids will be tested. This price is to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay, from any cause, in the performing of the work thereunder.

Bidders will distinctly write out, both in words and in figures, the amount of their estimates for doing this work.

The person or persons to whom the contract may be awarded will be required to attend at this office with the sureties offered by him or them, and execute the contract within five days from the date of the service of a notice to that effect; and in case of failure or neglect so to do, he or they will be considered as having abandoned it, and as in default to the Corporation; and the contract will be re-advertised and relet, and so on until it be accepted and executed.

Bidders are required to state in their estimates their names and places of residence; the names of all persons interested with them therein; and if no other person

be so interested, the estimate shall distinctly state the fact; also, that the estimate is made without any connection with any other person making an estimate for the same work, and that it is in all respects fair, and without collusion or fraud; and also, 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 therein, or in the supplies or work to which it relates, or in any portion of the profits thereof; which estimate must be verified by the oath, in writing, of the party making the estimate, that the several matters stated therein are in all respects true. *Where more than one person is interested, it is requisite that the verification be made and subscribed to by all the parties interested.*

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person or persons making the estimate, they will, upon its being so awarded, become bound as his or their sureties for its faithful performance; and that if said person or persons shall omit or refuse to execute the contract, they will pay to the Corporation of the City of New York any difference between the sum to which said person or persons would be entitled upon its completion and that which said Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work to be done, in each class, by which the bids are tested. 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 the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety and otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered will be subject to approval by the Comptroller of the City of New York after the award is made and prior to the signing of the contract.

No estimate will be received or 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 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 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 his deposit will be returned to him.

Bidders are informed that no deviation from the specifications will be allowed, unless under the written instructions of the Engineer-in-Chief.

No 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 RIGHT TO DECLINE ALL THE ESTIMATES IS RESERVED, IF DEEMED FOR THE INTEREST OF THE CORPORATION OF THE CITY OF NEW YORK.

Bidders are requested, in making their bids or estimates, to use the blank prepared for that purpose by the Department, a copy of which, together with the form of agreement, including specifications, and showing the manner of payment for the work, can be obtained upon application therefor at the office of the Department.

EDWIN A. POST,  
J. SERGEANT CRAM,  
JAMES J. PHELAN,  
Commissioners of the Department of Docks.  
Dated, New York, September 30, 1891.

#### COMMISSIONER OF STREET IMPROVEMENTS OF THE TWENTY-THIRD AND TWENTY-FOURTH WARDS.

OFFICE OF  
COMMISSIONER OF STREET IMPROVEMENTS  
OF THE TWENTY-THIRD AND TWENTY-FOURTH WARDS,  
NEW YORK, September 28, 1891.

#### TO CONTRACTORS.

SEALED BIDS OR ESTIMATES FOR EACH OF the following-mentioned works, 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 by the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards, at his office, No. 262 Third avenue, corner of One Hundred and Forty-first street, until 3 o'clock P. M., on Tuesday, October 13, 1891, at which place and hour they will be publicly opened.

No. 1. FOR REGULATING, GRADING, SETTING CURB-STONES, FLAGGING THE SIDEWALKS AND LAYING CROSS-WALKS IN ONE HUNDRED AND THIRTY-EIGHTH STREET, from the Southern Boulevard to a point 330 feet east of Locust avenue.

No. 2. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT THE ROADWAY OF AND LAYING CROSS-WALKS IN, ONE HUNDRED AND FORTY-NINTH STREET, from the New York Central and Hudson River Railroad to Mort avenue.

No. 3. FOR SEWER AND APPURTENANCES IN ONE HUNDRED AND SEVENTEETH STREET, from Third avenue to Washington 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 thereof.

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 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 Street Improvements of the Twenty-third and Twenty-fourth Wards 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 other information desired, can be obtained at this office.

LOUIS J. HEINTZ,  
Commissioner of Street Improvements,  
Twenty-third and Twenty-fourth Wards.

#### BOARD OF EDUCATION.

SEALED PROPOSALS WILL BE RECEIVED by the Board of School Trustees for the Twelfth Ward, at the Hall of the Board of Education, No. 146 Grand street, until 9:30 o'clock A. M., on Monday, October 12, 1891, for supplying the Furniture required for the New School Building at the northwest corner of Ninety-third street and Amsterdam avenue.

JOHN WHALEN, Chairman,  
ANTONIO RASINES, Secretary,  
Board of School Trustees, Twelfth Ward.

Sealed proposals will also be received by the School Trustees for the Seventh Ward, at the same place, and until 4 o'clock P. M., on the same date, for supplying the new Furniture required for the Annex to Grammar School Building No. 2, at No. 124 Henry street.

WM. H. TOWNLEY, Chairman,  
JAMES B. MULRY, Secretary,  
Board of School Trustees, Seventh Ward.

Plans and specifications may be seen, and blank proposals obtained, at the office of the Superintendent of School Buildings, No. 146 Grand street, third floor.

The Trustees reserve the right to reject any or all of the proposals submitted.

The party submitting a proposal, and the parties proposing to become sureties, must each write his name and place of residence on said proposal.

Two responsible and approved sureties, residents of this city, are required in all cases.

No proposal will be considered from persons whose character and antecedent dealings with the Board of Education render their responsibility doubtful.

The party submitting a proposal must include in his proposal the names of all sub-contractors, and no change will be permitted to be made in the sub-contractors named without the consent of the School Trustees and Superintendent of School Buildings.

Dated New York, September 28, 1891.

#### DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE.

#### TO CONTRACTORS.

#### MATERIALS AND WORK REQUIRED FOR REPAIRS TO RANDALL'S ISLAND STABLES.

SEALED BIDS OR ESTIMATES FOR THE aforesaid work and materials, in accordance with the specifications and plans will be received at the office of the Department of Public Charities and Correction, No. 66 Third Avenue, in the City of New York, until Friday, October 16, 1891, until 10 A. M. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Repairs to Randall's Island Stables," and with his or their name or names, and 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.

Any bidder for this contract 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 his or their bond, with two sufficient sureties, each in the penal amount of FIVE HUNDRED (\$500) DOLLARS.

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 purpose, and is in all respects fair and without collusion or fraud; and 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 therein, or in the supplies 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 in all respects true. Where more than one person is 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, with their respective places of business or residences, 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 may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. 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 12 of chapter 7 of the Revised Ordinances of the City of New York, 1880, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of the security shall, in addition to the justification and acknowledgment, be approved by the Comptroller of the City of New York.

No bid or estimate will be received or 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 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 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 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 his or their bid or proposal, or if he or they accept, but do not execute the contract and provide such proper security, as has been heretofore stated to be requisite, he or they shall be considered as having abandoned it, and as in default to the Corporation, and the contract will be readvertised and relet as provided by law.

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, or from time to time, as the Commissioners may determine.

The form of the contract, including specifications and showing the manner of payment, will be furnished at the office of the Department; and bidders are cautioned to examine each and all of its provisions carefully, as the Board of Public Charities and Correction will insist upon its absolute enforcement in every particular.

Dated New York, October 3, 1891.  
HENRY H. PORTER, President,  
CHARLES E. SIMMONS, M. D., Commissioner,  
EDWARD C. SHEEHY, Commissioner,  
Public Charities and Correction.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE.

#### TO CONTRACTORS.

#### MATERIALS AND WORK REQUIRED FOR BUILDING A PAVILION FOR N. Y. CITY ASYLUM FOR INSANE, BLACKWELL'S ISLAND.

SEALED BIDS OR ESTIMATES FOR THE aforesaid work and materials, in accordance with the specifications and plans, will be received at the office of the Department of Public Charities and Correction, No. 66 Third Avenue, in the City of New York, until Thursday, October 8, 1891, until 10 A. M. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Pavilion for Insane, B. I.," and with his or their name or names, and 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.

Any bidder for this contract 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 his or their bond, with two sufficient sureties, each in the penal amount of TWELVE THOUSAND (\$12,000) DOLLARS.

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 purpose, and is in all respects fair and without collusion or fraud; and 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 therein, or in the supplies 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 in all respects true. Where more than one person is 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, with their respective 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 may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. 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 12 of chapter 7 of the Revised Ordinances of the City of New York, 1880, if the contract shall be awarded to the person or persons for whom he consents to become surety.

The adequacy and sufficiency of the security shall, in addition to the justification and acknowledgment, be approved by the Comptroller of the City of New York.

No bid or estimate will be received or 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 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 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 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 his or their bid or proposal, or if he or they accept, but do not execute the contract and provide such proper security, as has been heretofore stated to be requisite, he or they shall be considered as having abandoned it and as in default to the Corporation, and the contract will be readvertised and relet as provided by law.

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, or from time to time, as the Commissioners may determine.

The form of the contract, including specifications, and showing the manner of payment, will be furnished at the office of the Department, and bidders are cautioned to examine each and all of its provisions carefully, as the Board of Public Charities and Correction will insist upon its absolute enforcement in every particular.

Dated New York, September 23, 1891.  
HENRY H. PORTER, President,  
CHARLES E. SIMMONS, M. D., Commissioner,  
EDWARD C. SHEEHY, Commissioner,  
Public Charities and Correction.

#### 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 Commonality of the City of New York, relative to acquiring title (wherever the same has not been heretofore acquired) to CAMMANN STREET (although not yet named by proper authority), extending from Fordham road to the Harlem River Terrace, in the Twenty-fourth 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 all persons interested in this proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and 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 this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 51 Chambers street (Room 4), in said city, on or before the 26th day of September, 1891, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said 26th day of September, 1891, and for that purpose will be in attendance at our said office on each of said ten days at 2 o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers street, in the said city, there to remain until the twenty-eighth day of September, 1891.

Third—That the limits of our assessment for benefit include 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 blocks between Cammann street and Fordham road and the northwesterly prolongation of the southerly side of Fordham road; easterly by the centre line of the block between Cammann street and Sedgwick avenue to its intersection with the centre line of the block between Cammann street and a certain unnamed street to the south thereof; thence westerly along the last mentioned centre line to the centre line of Cedar avenue; thence southerly along the centre line of Cedar avenue to the centre line of the block bounded by Cammann street, Cedar avenue and Harlem River Terrace; southerly by the said centre line at the block bounded by Cammann street, Cedar avenue and Harlem River Terrace; westerly by the easterly side of Harlem River Terrace; excepting from said area all the streets, avenues, roads, or portions thereof, heretofore legally opened, and all the unimproved land included within the lines of streets, avenues, roads, public squares and 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 410 of the Laws of 1882, 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, in the City of New York, on the ninth day of October, 1891, 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, August 15, 1891.  
THOMAS E. GRACE, Chairman,  
JOSEPH H. STINER,  
THOMAS P. FITZSIMONS,  
Commissioners.

JOHN P. DUNN, 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 Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to CEDAR AVENUE (although not yet named by proper authority), extending from the westerly line of Sedgwick avenue, opposite to the junction of Burnside and Sedgwick avenues, to Fordham road, in the Twenty-fourth 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 all persons interested in this proceeding, and to the owner or owners, occupant or occupants, of all houses and lots and improved and 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 this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 51 Chambers street, in said city, on or before the 8th

day of October, 1891, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said 8th day of October, 1891, and for that purpose will be in attendance at our said office on each of said ten days at 2 o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers street, in the said city, there to remain until the 10th day of October, 1891.

Third—That the limits of our assessment for benefit include 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 southern line of Fordham road, easterly (1) by the centre line of the block bounded by Cedar avenue, Cammann street and Fordham road, prolonged to the centre line of a certain unnamed street south of Cammann street; thence easterly along said centre line to the centre line of the block south of said unnamed street and between Cedar avenue and Sedgwick avenue; (2) by this last-mentioned centre line to the southern boundary line of the same block; thence westerly along said southern boundary line to the eastern line of Cedar avenue; (3) by the said eastern line of Cedar avenue to the southern line of the street south of the park, between Cedar avenue and Sedgwick avenue; thence southerly along said southern line to the centre line of the block south of same park; (4) by the last-mentioned centre line to about the central point of said block; thence easterly along a line drawn from this point to the western line of Sedgwick avenue; (5) by the western line of Sedgwick avenue to the southern limit of Cedar avenue; southerly (1) by the said southern limit of Cedar avenue prolonged to the centre line of Riverview Terrace; thence northerly along the said centre line to the easterly prolongation of the centre line of the block between Powell place and a certain unnamed street to the north thereof; (2) by the said prolongation line to the centre line of the block between Cedar avenue and a certain unnamed street or avenue to the west thereof; westerly, by the centre line of the block between Cedar avenue and a certain unnamed street or avenue to the west thereof and by the centre line of the blocks between Cedar avenue and Harlem River Terrace; excepting from said area all the streets, avenues and roads, or portions thereof, heretofore legally opened, and all the unimproved land included within the lines of streets, avenues, roads, public squares and 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 410 of the Laws of 1882, 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, in the City of New York, on the 22d day of October, 1891, 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, August 27, 1891.  
LEWIS J. CONLAN, Chairman,  
THOMAS DUNLAP,  
LEICESTER HOLME,  
Commissioners.

JOHN P. DUNN, 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 Commonality of the City of New York, relative to acquiring title (wherever the same has not been heretofore acquired), to HARLEM RIVER TERRACE (although not yet named by proper authority), extending from Cedar avenue to Fordham road, in the Twenty-fourth 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 all persons interested in this proceeding, and to the owner or owners, occupant or occupants, of all houses and lots and improved and 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 this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 51 Chambers street (Room 4), in said city, on or before the twenty-sixth day of September, 1891, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said twenty-sixth day of September, 1891, and for that purpose will be in attendance at our said office on each of said ten days at 2 o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers street, in the said city, there to remain until the twenty-eighth day of September, 1891.

Third—That the limits of our assessment for benefit include 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 southerly side of Fordham road; easterly by the centre line of the blocks between Harlem River Terrace and Cedar avenue; southerly by the westerly prolongation of the northerly line of Cedar avenue to the centre line of the block between Harlem River Terrace and a certain unnamed street to the west of Harlem River Terrace; westerly by the said centre line of the blocks between Harlem River Terrace and a certain unnamed street to the west of Harlem River Terrace, excepting from said area all the streets, avenues and roads, or portions thereof, heretofore legally opened, and all the unimproved land included within the lines of streets, avenues, roads, public squares and 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 410 of the Laws of 1882, 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, in the City of New York, on the ninth day of October, 1891, 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, August 15, 1891.  
JOHN D. NEWMAN, Chairman,  
CHARLES E. SIMMS, JR.,  
SIDNEY HARRIS,  
Commissioners.

JOHN P. DUNN, Clerk.

#### THE CITY RECORD.

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W. J. K. KENNY,  
Supervisor.