

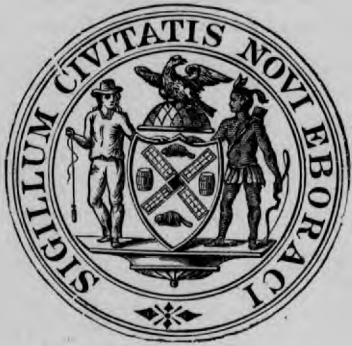
THE CITY RECORD.

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NEW YORK, TUESDAY, JANUARY 10, 1893.

NUMBER 5,981.



FIRE DEPARTMENT.

Report for the Quarter and Year ending December 31, 1891.

HEADQUARTERS FIRE DEPARTMENT—CITY OF NEW YORK,
NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET,
OFFICE BOARD OF COMMISSIONERS,
NEW YORK, July 12, 1892.

To the Hon. HUGH J. GRANT, Mayor of New York:

SIR—We have the honor to submit herewith the report of the operations and actions of this Department for the quarter ending December 31, 1891, and for the year ending on the same date:

Personnel.

Headquarters—	
Commissioners.....	3
Secretary and Assistant Secretary.....	2
Medical Officers.....	3
Bookkeeper, Stenographer and Clerks.....	10
Janitor, Elevator Attendant, Watchmen, Machinist and Stokers.....	7
Scrub Women.....	2
Bureau Chief of Department—	
Active—Uniformed—	
Chief of Department and Deputies.....	3
Chiefs of Battalion.....	11
Foremen.....	82
Assistant Foremen.....	99
Engineers of Steamer.....	134
Firemen { First Grade.....	562
{ Second Grade.....	83
{ Third Grade.....	57
	702
Active—Ununiformed—	1,031
Firemen on probation.....	25
Pilots.....	4
Engineers { On Fire Boats.....	4
Stokers..	8
	41
Total active.....	1,072
Relieved from Active Service—Uniformed—	
Chiefs of Battalion.....	2
Foremen.....	14
Assistant Foremen.....	5
Engineers of Steamer.....	10
Firemen.....	10
Firemen, First Grade.....	46
Private.....	1
	88
Aggregate active and relieved.....	1,160
Bureau of Inspector of Combustibles—	
Inspector of Combustibles.....	1
Clerks.....	2
Surveyors.....	4
Oil Collectors.....	4
Bureau of Fire Marshal—	
Fire Marshal.....	1
Assistant Fire Marshal.....	1
Clerks.....	3
Bureau of Inspection of Buildings—	
Superintendent of Buildings.....	1
Deputy Superintendents of Buildings.....	2
Clerks.....	20
Inspectors of Buildings.....	46
Machinists to Supervise Elevators.....	4
Messengers.....	3
Driver.....	1
Attorney to Department.....	1
Fire-alarm Telegraph—	
Superintendent of Telegraph.....	1
Chief Operator.....	1
Operators.....	4
Assistant Operators.....	5
Clerk.....	1
Inspectors of Alarm-boxes.....	2
Batteryman and Assistant Batteryman.....	2
Foreman.....	1
Linemen.....	2
Machinist.....	1
Repair Shops—	
Superintendent of Repairs to Buildings.....	1
Foreman.....	1
Clerks.....	2
Shop Engineer.....	1
Machinists.....	24
Machinists' Helpers.....	6
Boiler-maker.....	1
Blacksmiths.....	8

Repair Shops—	
Blacksmiths' Helpers.....	4
Wheelwrights.....	5
Wheelwrights' Helpers.....	2
Harness-makers.....	2
Harness-makers' Helper.....	1
Hose Repairers.....	2
Hose Repairers' Helper.....	1
Painters.....	9
Watchman.....	1
Drivers.....	3
Janitor.....	1
Carpenter.....	1
Laborers.....	3
Hospital Stables—	
Foreman of Laborers.....	1
Stablemen.....	8
Driver.....	1
Aggregate.....	1,390

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.	Error in Last Report.	Promotion.	Death.	Appointment.	Transfer.	Total.	Appointment.	Promotion.	Reduction.	Transfer.		Total.
<i>Headquarters.</i>																	
Bookkeeper	1	..	..	..	1	..
Supply Clerk	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Clerk	1	1	1	..	..	..	1	..
Elevator Attendant.....	1	..	..	..	..	..	..	..	1	1	..	..	..	1	..
Watchman	1	..	..	1	..	..	..	..	..	..
Driver.....	1	..	..	..	..	..	..	..	..	..	1	1	..	..	..	1	..
Total	1	1	1	..	..	..	..	1	..	1	5	4	..	..	..	4	..
<i>Bureau Chief of Department.</i>																	
Chief of Battalion	1
Foremen	2	..	..	2	..	7	..	..	7	4
Assistant Foremen.....	7	1	..	..	8	..	9	..	..	9	..
Engineer of Steamer	1	..	..	..	3	..	1	2	..	..	7	..	9	..	..	9	2
Firemen, First Grade	2	2	..	6	..	11	10	..	..	31	..	50	1	..	51	13
Firemen, Second Grade	2	..	..	..	..	52	..	..	..	54	..	76	..	..	76	..
Firemen, Third Grade	1	2	..	6	..	80	..	..	..	89	59	..	..	..	59	..
Ununiformed Firemen	1	2	..	..	..	..	59	..	..	62	87	..	..	..	87	..
Marine Engineer.....	1	..	..	..	1	..
Ununiformed Engineer	3	..	..	..	..	3	..	..	..	..	..	..
Stokers.....	..	1	..	1	1	..	..	..	..	..	3	8	..	..	..	8	..
Total	1	7	6	1	16	3	151	15	59	..	259	155	151	1	..	307	20
<i>Bureau Inspection of Buildings.</i>																	
Inspectors.....	..	1	..	..	..	..	..	2	..	..	3	7	..	..	..	7	..
Assistant Plan Clerk	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Clerk	1	..	..	1	..	..	..	1	1	..
Total.....	..	2	..	..	..	..	..	3	..	..	5	7	..	..	1	8	..
<i>Fire-alarm Telegraph.</i>																	
Linemen	1	1	..	..	..	..	..	..	..	2	2	..	..	..	2	..
Batterymen	1	..	..	1	..	1	..	..	1	..
Assistant Batterymen	1	..	..	..	1	..	..	..	2	2	..	..	..	2	..
Instrument-maker	1	..	..	..	..	..	..	..	1	1	..	..	..	1	..
Total.....	..	1	3	..	..	..	1	1	..	..	6	5	1	..	..	6	..
<i>Repair Shops.</i>																	
Machinists	1	..	..	..	..	..	1	3	2	..	..	5	..
Machinists' Helpers.....	3	..	..	..	3	1	..	..	..	1	..
Painters	3	..	..	..	3	..
Wheelwright	1	..	..	1	..	..	..	..	..	2	..	..	..	..	..	..
Wheelwrights' Helper	1	..	..	1	..
Blacksmith	1	..	..	1	..
Hose Repairers' Helper	1	..	..	..	1	..
Carpenter	1	..	..	..	1	..
Driver	1	1	..	..	..	..	..	2	..	..	..	..	..	..
Watchman	1	..	..	1	..	..	..	..	..	..
Laborer	1	..	..	..	1	1	..	..	..	1	..
Total.....	..	1	..	1	3	..	4	1	..	..	10	10	4	..	..	14	..

GRADE.	LOSS BY										GAIN BY					Relieved from Service at Fires.	
	Reduction.	Resignation.	Dropped.	Discharge.	Dismissal.	Error in Last Report.	Promotion.	Death.	Appointment.	Transfer.	Total.	Appointment.	Promotion.	Reduction.	Transfer.		Total.
<i>Hospital Stables.</i>																	
Foreman of Laborers.....	..	..	..	..	..	..	..	I	..	..	I	I	..	..	..	I	..
Stablemen.....	..	..	I	..	I	..	..	..	..	..	2	2	..	I	..	3	..
Driver.....	..	..	..	..	..	..	..	..	..	..	..	I	..	..	..	I	..
Total.....	..	..	I	..	I	..	..	I	..	..	3	4	..	I	..	5	..
<i>Recapitulation.</i>																	
Headquarters.....	I	I	I	..	..	..	..	I	..	I	5	4	..	..	..	4	..
Bureau Chief of Department.....	I	7	6	I	16	3	151	15	59	..	259	155	151	I	..	307	20
Bureau Inspection of Buildings...	..	2	..	..	..	..	..	3	..	..	5	7	..	..	I	8	..
Fire-alarm Telegraph.....	..	I	3	..	..	..	I	I	..	..	6	5	I	..	..	6	..
Repair Shops.....	..	I	..	I	3	..	4	I	..	..	10	10	4	..	..	14	..
Hospital Stables.....	..	..	I	..	I	..	..	I	..	..	3	4	..	I	..	5	..
Aggregate.....	2	12	11	2	20	3	156	22	59	I	288	185	156	2	I	344	20
Net aggregate gain.....																	56

Appropriations (including Transfers) and Expenditures.

TITLE OF APPROPRIATION.	AMOUNT OF APPROPRIATION AND TRANSFERS.	EXPENDITURES AND TRANSFERS.	BALANCE.
<i>For Salaries—</i>			
Headquarters.....	\$54,630 00	\$54,629 80	\$0 20
Bureau Chief of Department.....	1,394,858 00	1,394,854 97	3 03
Inspector of Combustibles.....	17,500 00	17,500 00	
Fire Marshal.....	7,400 00	7,400 00	
Inspection of Buildings.....	103,300 00	103,304 17	95 83
Attorney.....	4,000 00	4,000 00	
Fire-alarm Telegraph.....	26,945 00	26,944 83	17
Repair Shops.....	65,000 00	64,999 49	51
Hospital Stables.....	6,793 00	6,782 68	10 32
Instructor of Sappers and Miners.....	2,000 00	2,000 00	
Total Salaries.....	\$1,682,426 00	\$1,682,315 94	\$110 06
For Apparatus, Supplies, etc.....	\$376,549 02	\$376,549 02	
For new houses for Engine Companies Nos. 35 and 42...	40,000 00	22,170 00	\$17,830 00
For placing Fire-alarm Conductors underground.....	58,000 00	58,000 00	
For new sites for apparatus houses.....	9,500 00	9,500 00	
Total Apparatus, etc.....	\$484,049 02	\$466,219 02	\$17,830 00
Grand total.....	\$2,166,475 02	\$2,148,534 96	\$17,940 06

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

<i>Apparatus, Supplies, etc.—</i>	
For forage.....	\$34,240 00
For fuel.....	31,786 00
For new fire-engines.....	16,000 00
For new hose.....	29,900 00
For new hose wagons.....	3,938 00
For repairing fire-boat.....	3,897 00
For new trucks.....	5,095 00
For repairs and alterations to buildings.....	28,687 00

Total..... \$153,543 00

For placing fire-alarm telegraph electrical conductors underground.....	\$46,860 00
For new house for Engine Company No. 18.....	18,500 00

Grand total..... \$218,903 00

Amount of Bills and Pay-rolls Audited.

Bills for 1889.....	\$22,686 20
Bills for 1890.....	131,509 86
Bills for 1891.....	413,477 30

Total bills..... \$567,673 36

Pay-rolls for 1891.....	1,670,357 94
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Total bills and pay-rolls..... \$2,238,031 30

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.
		ENGINES.		Hose Wagons (2 Horses).	TENDERS.		HOOK AND LADDER TRUCKS.						
		2 Horses.	3 Horses.		Two-Wheeled (1 Horse).	Four-Wheeled (2 Horses).	2 Horses.	3 Horses.					
Engine 1.....	12	..	I	I	5	124	48	{ Acting temporarily as double company from July 11, 1891, until completion of new quarters for Engine Company No. 18.	
" 2.....	12	I	..	..	..	I	..	..	4	114	44
" 3.....	20	I	..	..	..	I	..	..	4	116	37

Acting temporarily as double company from July 11, 1891, until completion of new quarters for Engine Company No. 18.

COMPANY.		No. of Officers and Men.	APPARATUS.							Total No of Horses.	No. of Alarms Responded to.	No. of Fires Performed Duty at.	REMARKS.
			ENGINES.		Hose Wagons (2 Horses).	TENDERS		HOOK AND LADDER TRUCKS.					
			2 Horses.	3 Horses.		Two-Wheeled (1 Horse).	Four-Wheeled (2 Horses).						
									2 Horses.				
Engine 4.....	12	1	..	1	..	..	..	..	4	155	78	
" 5.....	20	1	1	1	1	..	..	..	8	129	52	Double company.
" 6.....	12	1	..	..	1	..	..	..	3	108	43	
" 7.....	16	1	..	..	1	..	..	*1	6	162	64	Water-tower.
" 8.....	12	1	..	..	..	1	..	..	4	159	47	
" 9.....	12	..	1	1	..	..	..	..	5	197	84	
" 10.....	12	1	..	..	..	1	..	..	4	64	30	
" 11.....	12	1	..	..	..	1	..	..	4	144	48	
" 12.....	20	2	..	..	2	..	..	..	6	187	74	Double company.
" 13.....	20	2	..	1	1	..	..	..	7	195	75	Double company.
" 14.....	12	..	1	1	..	..	..	..	5	138	73	
" 15.....	12	1	..	..	..	1	..	..	4	219	72	
" 16.....	20	1	1	1	1	..	..	..	8	143	50	Double company.
" 17.....	12	1	..	1	..	..	..	..	4	305	104	
" 18.....	12	1	1	1	1	..	..	..	8	170	50	{ Discontinued as double company from July 11, 1891, until completion of new quarters. One hose wagon, used as boat tender.
" 19.....	13	..	1	2	..	..	..	..	7	104	42	
" 20.....	12	1	..	1	..	..	..	..	4	177	61	
" 21.....	12	1	..	..	..	1	..	..	4	145	44	
" 22.....	12	1	..	..	..	1	..	..	4	136	39	
" 23.....	12	1	..	..	..	1	..	..	4	103	44	
" 24.....	12	1	..	1	..	..	..	..	4	125	56	
" 25.....	12	..	1	1	..	..	..	..	5	145	58	
" 26.....	20	2	..	..	1	1	..	..	7	169	54	Double company.
" 27.....	20	2	..	..	1	1	..	..	7	163	49	Double company.
" 28.....	12	1	..	..	..	1	..	..	4	100	43	
" 29.....	12	1	..	..	1	..	..	..	3	131	71	
" 30.....	12	1	..	1	..	..	..	..	4	153	53	
" 31.....	20	1	1	..	1	1	..	..	8	162	59	Double company.
" 32.....	12	1	..	..	1	..	..	..	3	131	71	
" 33.....	20	2	..	1	1	..	..	..	7	151	69	Double company.
" 34.....	12	..	1	..	..	1	..	..	5	82	27	
" 35.....	12	1	..	..	..	1	..	..	4	157	54	
" 36.....	12	1	..	..	..	1	..	..	4	141	45	
" 37.....	12	1	..	..	..	1	..	..	4	98	25	
" 38.....	12	1	..	1	..	..	1	..	6	41	17	
" 39.....	12	1	..	..	..	1	..	..	4	126	32	
" 40.....	12	1	..	..	..	1	..	..	4	68	27	
" 41.....	12	1	..	1	..	..	..	..	4	71	32	
" 42.....	8	1	..	..	..	1	..	..	4	27	9	
" 43.....	12	..	..	..	..	..	..	..	..	85	10	Floating engine.
" 44.....	12	1	..	..	..	1	..	..	4	145	37	
" 45.....	8	1	..	..	..	1	..	..	4	17	10	
" 46.....	8	1	..	..	..	1	..	..	4	33	9	
" 47.....	12	1	..	..	..	1	..	..	4	83	21	
" 48.....	12	1	..	..	..	1	1	..	6	28	11	
" 49.....	12	1	..	..	1	..	1	..	5	1	1	{ Company located on Blackwell's Island.
" 50.....	12	1	..	..	..	1	1	..	6	54	16	
" 51.....	12	..	..	..	..	..	..	..	..	116	13	Floating engine.
" 52.....	12	1	..	..	..	1	1	..	6	5	3	
" 53.....	12	1	..	..	..	1	..	..	4	140	62	
" 54.....	12	1	..	..	..	1	..	..	4	143	51	
" 55.....	12	1	..	..	1	..	..	..	3	124	53	
" 56.....	12	..	1	..	..	1	..	..	5	71	21	
" 57.....	12	..	..	..	..	..	..	..	..	160	14	{ Floating engine, organized February 1, 1891, 11 months.
Hook and Ladder 1	12	..	..	..	..	..	1	3	266	189		
" 2	13	..	..	..	..	..	1	3	204	91		
" 3	16	..	..	..	..	..	*1	5	216	131	* Water-tower.	
" 4	12	..	..	..	..	..	..	3	223	141		
" 5	20	..	..	..	..	..	1	5	233	111	Double company.	
" 6	12	..	..	..	..	..	..	3	321	179		
" 7	12	..	..	..	..	..	..	3	214	122		
" 8	12	..	..	..	..	..	..	3	169	119		
" 9	12	..	..	..	..	..	..	3	279	164		
" 10	12	..	..	..	..	..	..	3	198	131		
" 11	12	..	..	..	..	..	..	3	197	114		
" 12	12	..	..	..	..	..	..	3	212	112		
" 13	12	..	..	..	..	..	..	3	155	100		
" 14	12	..	..	..	..	..	..	3	166	147		
" 15	13	..	..	..	..	1	..	5	112	77	One double reel boat tender.	
" 16	12	..	..	..	..	..	..	3	151	93		
" 17	12	..	..	..	..	..	1	2	73	60		
" 18	12	..	..	..	..	..	..	3	360	205		
" 19	8	..	..	1	..	..	1	4	31	22		
" 20	12	..	..	..	..	..	..	2	260	148		

Discontinued as double company from July 11, 1891, until completion of new quarters. One hose wagon, used as boat tender.

Company located on Blackwell's Island.

Floating engine.

Floating engine, organized February 1, 1891, 11 months.

* Water-tower.

One double reel boat tender.

COMPANY.	No. of Officers and Men.	APPARATUS.								Total No. of Horses.	No. of Alarms Responded to.	No. of Fires Performed Duty at.	REMARKS.
		ENGINES.		Hose Wagons (2 Horses).	TENDERS	HOOK AND LADDER TRUCKS.							
		2 Horses.	3 Horses.										
							Two-Wheeled (2 Horses).	Four-Wheeled (2 Horses).					
Hook and Ladder 21	16	..	..	..	..	..	*1	1	5	248	126	* Water-tower. Organized April 1, 1891 (8 months), 2 officers and 3 men in charge of Hospital and Training Stables.	
" 22	17	..	..	..	..	..	..	1	3	59	33		
Total.....	1,032	52	11	19	16	31	11	20	335	11,287	5,132		

Average number of alarms responded to by each company, 143.

Average number of fires at which each company performed duty, 65.

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.

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

NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
	Age.	Grade.	Date.	Grades.	Dates.
<i>Chief of Department.</i>					
Bonner, Hugh.....	27	Foreman.....	Sept. 18, 1865	Chief of Battalion... 2d Assistant Chief of Department... Assistant Chief of Department... Chief of Department	May 21, 1873 Jan. 4, 1883 May 1, 1884 May 22, 1889
<i>Deputy Chiefs of Department.</i>					
McCabe, John.....	26	a Fireman.....	Sept. 25, 1866	Assistant Foreman. Foreman..... Chief of Battalion..	Dec. 1, 1873 July 1, 1874 May 16, 1881
		Fireman.....	July 1, 1873	b 2d Assistant Chief of Department... Deputy Chief of Department.....	May 1, 1884 May 22, 1889
Reilly, Francis J.....	22	Fireman.....	Sept. 27, 1865	Assistant Foreman. c Foreman..... Assistant Foreman. Foreman..... Chief of Battalion..	Oct. 15, 1870 July 1, 1871 May 1, 1872 June 6, 1872 Feb. 1, 1880
<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
2. Rowe, William.....	24	Foreman.....	Oct. 20, 1865	Chief of Battalion..	May 21, 1873
3. Fisher, John S.....	34	Fireman.....	Jan. 9, 1868	Assistant Foreman. Foreman..... Chief of Battalion..	June 1, 1868 July 15, 1869 May 21, 1873
4. Campbell, Samuel.....	25	Fireman.....	Oct. 16, 1865	Assistant Foreman. Foreman..... Chief of Battalion..	Aug. 1, 1869 Feb. 1, 1873 Sept. 23, 1875
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
6. Lally, Thomas.....	22	Fireman.....	Aug. 15, 1870	Assistant Foreman. Foreman..... Chief of Battalion..	Apr. 21, 1873 Nov. 1, 1881 May 1, 1884
7. 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
8. McGill, Joseph F.....	23	Fireman.....	Mar. 21, 1866	Assistant Foreman. Foreman..... Chief of Battalion..	Apr. 1, 1870 Oct. 1, 1872 Aug. 12, 1884
9. Cashman, John J.....	22	Fireman.....	Oct. 17, 1866	Assistant Foreman. Foreman..... Chief of Battalion..	Feb. 15, 1872 Apr. 27, 1879 Aug. 4, 1880
10. Kehoe, John H.....	22	Fireman.....	Oct. 20, 1865	Assistant Foreman. Foreman..... Chief of Battalion..	June 15, 1869 Dec. 1, 1869 Dec. 23, 1888
11. Short, Peter H.....	26	Fireman.....	May 1, 1875	Assistant Foreman. Foreman..... Chief of Battalion.. e Foreman..... Chief of Battalion..	June 1, 1880 Apr. 18, 1883 Aug. 4, 1886 July 1, 1887 May 22, 1889
<i>Foremen.</i>					
1. Poynton, Joseph.....	26	Foreman.....	Sept. 8, 1865		
2. Spence, Arnot.....	31	Foreman.....	Oct. 20, 1865		
3. Donohue, Patrick.....	26	Fireman.....	Sept. 27, 1865	Assistant Foreman. Foreman.....	June 1, 1868 Feb. 1, 1869
4. Best, Samuel.....	32	Fireman.....	June 14, 1866	Assistant Foreman. Foreman.....	Apr. 17, 1867 Mar. 1, 1869
5. Shaw, William.....	27	Assistant Foreman	Oct. 2, 1865	Foreman.....	May 1, 1869
6. McCormick, James A.....	27	Fireman.....	Oct. 6, 1865	Assistant Foreman. Foreman.....	June 23, 1868 June 15, 1869
7. Castles, John.....	27	Fireman.....	July 27, 1866	Assistant Foreman. Foreman.....	Apr. 1, 1869 July 15, 1869
8. McLaughlin, William.....	29	Fireman.....	May 22, 1868	Assistant Foreman. Foreman.....	June 1, 1869 Mar. 1, 1870
9. Erb, George W.....	23	Fireman.....	Oct. 11, 1865	Assistant Foreman. Foreman.....	Feb. 1, 1869 July 25, 1870
10. Hayes, William F.....	27	f Fireman..... Fireman.....	July 31, 1865 Apr. 1, 1866	Assistant Foreman. Foreman.....	Oct. 1, 1869 Oct. 15, 1870
11. Landers, William H.....	41	Fireman.....	Sept. 29, 1865	Assistant Foreman. Foreman.....	Nov. 17, 1865 Dec. 24, 1870
12. Wolff, Charles A.....	33	Fireman.....	Mar. 21, 1866	Assistant Foreman. Foreman.....	Aug. 1, 1870 July 1, 1871
13. Meagher, Daniel J.....	23	Fireman.....	Oct. 6, 1865	Assistant Foreman. Foreman.....	Dec. 24, 1870 Nov. 1, 1871

a Resigned, November 12, 1867.
b Dismissed, July 21, 1886, and reinstated by court, July 1, 1887.
c Reduced to Fireman, April 1, 1872.

d Re-assigned as Chief of Battalion, July 1, 1887.
e Re-assigned as Foreman, July 1, 1887.
f Resigned, January 15, 1866.

g Reduced to Foreman, February 15, 1875.
h Resigned, May 21, 1872.
i Resigned, May 21, 1872.

j Resigned, October 16, 1871.
k Resigned, March 31, 1869.
l Dismissed, June 19, 1874.
m Resigned, June 8, 1872.

n Resigned, July 1, 1875.
o Dropped, May 21, 1873.
p Reduced to Assistant Foreman, December 2, 1875.

NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
	Age.	Grade.	Date.	Grades.	Dates.
14. Vetter, Peter, Jr.....	26	Fireman.....	Oct. 27, 1865	Assistant Foreman. Foreman.....	June 1, 1868 May 1, 1872
15. Cowie, John A.....	30	Assistant Foreman	Sept. 14, 1865	Foreman.....	Mar. 1, 1873
16. Jones, Henry M.....	27	Assistant Foreman	Sept. 27, 1865	Foreman.....	Mar. 1, 1873
17. Ward, John.....	26	Fireman.....	Sept. 25, 1865	Assistant Foreman. Foreman.....	Jan. 1, 1870 Mar. 1, 1873
18. Connor, David.....	25	Fireman.....	July 31, 1865	Assistant Foreman. Foreman.....	Nov. 1, 1871 June 16, 1873
19. Welsh, John.....	23	Fireman.....	Oct. 11, 1865	Engineer of Steamer Assistant Foreman. Foreman.....	Aug. 1, 1866 Feb. 15, 1872 June 20, 1873
20. Perley, Hamilton F.....	21	Ass't Engineer of Steamer..	Mar. 15, 1873	Assistant Foreman. Foreman.....	Jan. 15, 1874 Aug. 1, 1874
21. Monroe, James H.....	29	Fireman.....	Oct. 16, 1865	Foreman..... District Engineer.. Chief of Battalion.. Foreman.....	Apr. 17, 1867 July 1, 1871 May 21, 1873 Feb. 15, 1875
22. Van Horn, Thomas J.....	26	Fireman.....	May 6, 1871	Assistant Foreman. Foreman.....	Jan. 15, 1874 Mar. 1, 1875
23. Kittson, Hugh.....	28	Fireman.....	Sept. 25, 1865	Assistant Foreman. Foreman.....	July 1, 1873 Mar. 1, 1875
24. Eagan, John J.....	25	Fireman.....	Sept. 11, 1865	Assistant Foreman. Foreman.....	Oct. 15, 1870 Aug. 20, 1875
25. Fisher, Isaac.....	22	h 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
26. Wray, Robert.....	23	Fireman.....	Oct. 16, 1865	Assistant Engineer of Steamer..... Assistant Foreman. Foreman.....	June 1, 1871 Sept. 1, 1874 Mar. 12, 1877
27. Bradley, Daniel.....	30	Fireman.....	Mar. 1, 1866	Assistant Foreman. Foreman.....	Mar. 1, 1873 Apr. 3, 1878
28. Birmingham, William.....	34	Fireman.....	Dec. 15, 1873	Assistant Foreman. Foreman.....	Oct. 1, 1875 Dec. 8, 1879
29. Farrell, Robert R.....	26	i Ass't Engineer of Steamer.. Ass't Engineer of Steamer..	Nov. 1, 1871 Mar. 15, 1873	Assistant Foreman. Foreman..... Foreman.....	Jan. 15, 1874 Feb. 1, 1880 Apr. 1, 1878
30. Shay, Charles H.....	21	Private.....	Nov. 21, 1877	Assistant Engineer of Steamer..... Engineer of Steamer Assistant Foreman. Foreman.....	Apr. 1, 1878 Apr. 4, 1879 Dec. 10, 1879 June 1, 1880
31. Perley, Charles H.....	22	Private.....	Jan. 17, 1879	Assistant Foreman. Foreman.....	Feb. 1, 1879 Aug. 25, 1880
32. O'Brien, Edward.....	23	Fireman.....	July 1, 1869	Assistant Foreman. Foreman.....	Mar. 1, 1873 Sept. 17, 1880
33. Brown, William W.....	23	Fireman.....	June 14, 1866	Assistant Foreman. Foreman.....	Dec. 1, 1873 Apr. 1, 1881
34. Byrne, Joseph P.....	28	Fireman.....	Oct. 1, 1871	Assistant Foreman. Foreman.....	May 1, 1875 July 1, 1881
35. Duane, William.....	28	Fireman.....	Aug. 8, 1868	Assistant Foreman. Foreman.....	July 20, 1871 Nov. 1, 1881
36. Colby, William J.....	30	Fireman.....	July 7, 1875	Assistant Foreman. Foreman.....	June 1, 1876 Nov. 1, 1881
37. Searle, George S.....	21	Fireman.....	Nov. 15, 1874	Assistant Foreman. Foreman.....	July 22, 1880 Nov. 18, 1881
38. Shaw, Joseph.....	28	j Engineer of Steamer... Ass't Engineer of Steamer..	Oct. 13, 1865 Feb. 1, 1874	Engineer of Steamer Assistant Foreman. Foreman.....	Mar. 15, 1874 Aug. 8, 1878 Dec. 31, 1882
39. McAdams, Henry W.....	23	Fireman.....	Sept. 18, 1874	Assistant Foreman. Foreman.....	Nov. 1, 1881 May 23, 1883
40. Murray, Henry.....	24	k Fireman..... Fireman.....	Oct. 13, 1865 Dec. 17, 1874	Assistant Foreman. Foreman.....	Oct. 1, 1877 Jan. 15, 1884
41. 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
42. McCutchen, James.....	31	Fireman.....	Sept. 18, 1865	Assistant Foreman. Foreman.....	May 1, 1869 May 20, 1884
43. Connolly, Patrick J.....	28	Fireman.....	Jan. 15, 1873	Assistant Foreman. Foreman.....	Nov. 16, 1881 May 20, 1884
44. McCabe, Hugh D.....	25	Private.....	Feb. 9, 1882	Assistant Foreman. Foreman.....	July 22, 1883 May 20, 1884
45. Shea, Joseph.....	29	Foreman.....	May 20, 1884		
46. Cosgrove, James.....	21	Private.....	Jan. 1, 1878	Assistant Engineer of Steamer..... Assistant Foreman. Foreman.....	Mar. 21, 1880 July 1, 1881 June 6, 1884
47. Falvey, John.....	21	Fireman..... Fireman.....	Mar. 11, 1871 July 18, 1874	Assistant Foreman. Assistant Foreman. Foreman.....	Feb. 15, 1872 Nov. 1, 1881 Aug. 1, 1884
48. McDonald, Alexander.....	28	m Fireman..... Fireman.....	July 31, 1865 June 12, 1873	Assistant Foreman. Foreman.....	Jan. 7, 1876 Aug. 7, 1884
49. Binns, John.....	25	Private.....	Mar. 22, 1882	Assistant Foreman. Foreman.....	May 20, 1884 Aug. 16, 1884
50. Golden, John J.....	30	Fireman.....	Dec. 18, 1874	Assistant Foreman. Foreman.....	Feb. 1, 1883 Aug. 22, 1884
51. Barry, James.....	23	n Hoseman..... Fireman.....	Jan. 20, 1874 Feb. 12, 1876	Assistant Foreman. Foreman.....	May 20, 1884 Aug. 22, 1884
52. Sullivan, Thomas.....	26	o Dist. Engineer Foreman.....	Sept. 6, 1865 Aug. 23, 1884		
53. Kenny, Thomas A.....	29	Fireman.....	Aug. 4, 1870	Assistant Foreman. Foreman.....	July 10, 1879 Feb. 1, 1885
54. Lawler, Daniel.....	24	Fireman.....	May 1, 1875	Assistant Foreman. Foreman.....	Aug. 16, 1884 Feb. 1, 1885
55. Callaghan, Daniel H.....	26	Fireman.....	Mar. 1, 1873	Assistant Foreman. Foreman.....	July 10, 1879 June 25, 1885
56. Cook, Martin.....	23	Hoseman.....	Jan. 1, 1870	Assistant Engineer of Steamer..... Engineer of Steamer Assistant Foreman. Foreman.....	July 24, 1871 Jan. 13, 1874 Jan. 15, 1874 Mar. 1, 1875 Nov. 15, 1885
57. Cooney, John J.....	29	Private.....	Sept. 1, 1882	Assistant Engineer of Steamer..... Assistant Foreman. Foreman.....	June 6, 1884 July 1, 1885 Nov. 15, 1885

NAME.	ORIGINAL APPOINTMENT.			PROMOTION.		NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
	Age.	Grade.	Date.	Grades.	Dates.		Age.	Grade.	Date.	Grades.	Dates.
58. Ahearn, Thomas J.....	23	Fireman.....	May 9, 1873	{ Assistant Foreman. Foreman.....	Apr. 1, 1881 Feb. 25, 1886	31. Barber, John.....	26	Fireman.....	Nov. 3, 1872	Assistant Foreman.	Feb. 1, 1883
59. White, John H.....	30	Fireman.....	Jan. 2, 1875	{ Assistant Foreman. Foreman.....	Feb. 1, 1883 Feb. 25, 1886	32. Daniels, Clement L.....	25	Fireman.....	Oct. 11, 1873	Assistant Foreman.	Mar. 4, 1883
60. Fraser, William D.....	24	Fireman.....	July 3, 1872	{ Assistant Foreman. Foreman.....	May 20, 1884 Dec. 1, 1886	33. Ryan, Edward F.....	22	Fireman.....	July 3, 1872	Assistant Foreman.	Mar. 6, 1883
61. Croker, Edward F.....	21	Private.....	June 22, 1884	{ Assistant Foreman. Foreman.....	Aug. 16, 1884 Feb. 25, 1886	34. Kennedy, Matthew T.....	28	Private.....	Dec. 21, 1877	{ Assistant Engineer of Steamer..... Assistant Foreman.	Nov. 21, 1878 May 23, 1883
62. McNamara, M. J.....	25	Fireman.....	Apr. 21, 1873	{ Assistant Foreman. Foreman.....	Aug. 27, 1884 Dec. 1, 1886	35. Margison, Charles.....	27	Private.....	Jan. 22, 1877	{ Assistant Engineer of Steamer..... Assistant Foreman.	May 1, 1879 May 23, 1883
63. Nugent, James M.....	24	Private.....	Jan. 4, 1884	{ Assistant Foreman. Foreman.....	July 1, 1885 Jan. 15, 1887	36. Jones, William H.....	29	Ladderman.....	Sept. 25, 1875	{ Private..... Assistant Foreman.	Apr. 1, 1878 May 23, 1883
64. O'Hearn, Thomas.....	29	Fireman.....	June 12, 1875	{ Assistant Foreman. Foreman.....	July 1, 1883 Feb. 1, 1887	37. Needham, John T.....	27	Private.....	Jan. 1, 1881	Assistant Foreman.	May 23, 1883
65. Siegmann, Louis L.....	24	Fireman.....	Feb. 8, 1871	{ Assistant Foreman. Foreman.....	Jan. 13, 1874 Mar. 1, 1887	38. Hopper, Charles.....	25	{ Fireman..... Fireman.....	Mar. 2, 1870 Feb. 12, 1876	Assistant Foreman.	Aug. 1, 1883
66. McAvoy, Michael.....	25	Fireman.....	Dec. 1, 1865	{ Assistant Foreman. Foreman.....	Dec. 31, 1882 May 6, 1887	39. Meehan, Edward.....	24	Fireman.....	July 23, 1870	Assistant Foreman.	Aug. 13, 1883
67. Quirk, William.....	27	Private.....	May 19, 1881	{ Assistant Foreman. Foreman.....	May 20, 1884 Sept. 1, 1888	40. Beekler, Jacob.....	24	Fireman.....	Mar. 15, 1871	Assistant Foreman.	Nov. 1, 1883
68. Farley, Thomas.....	25	{ Fireman..... Fireman.....	May 13, 1868 Sept. 1, 1869	{ Assistant Foreman. Foreman.....	Apr. 10, 1882 June 1, 1889	41. Autenreith, Charles J.....	25	Private.....	Feb. 12, 1881	{ Assistant Engineer of Steamer..... Assistant Foreman.	Dec. 17, 1881 May 20, 1884
69. Murphy, Lawrence.....	24	Fireman.....	June 12, 1871	{ Assistant Foreman. Foreman.....	May 17, 1883 June 1, 1889	42. Head, Thomas.....	26	Fireman.....	Feb. 15, 1869	Assistant Foreman.	May 20, 1884
70. Gormley, Patrick.....	28	Private.....	May 15, 1884	{ Assistant Foreman. Foreman.....	July 1, 1885 June 6, 1889	43. Touhey, Martin J.....	23	Fireman.....	Mar. 15, 1872	Assistant Foreman.	May 20, 1884
71. Moss, Joseph.....	28	Fireman.....	Dec. 1, 1871	{ Assistant Foreman. Foreman.....	Nov. 1, 1881 June 6, 1889	44. Donohue, Malachi.....	24	{ Fireman..... Fireman.....	June 10, 1870 Dec. 1, 1873	{ Assistant Foreman. Assistant Foreman.	Oct. 1, 1872 May 20, 1884
72. Honan, John S.....	25	Private.....	May 8, 1883	{ Assistant Foreman. Foreman.....	Nov. 15, 1885 Nov. 19, 1889	45. Reed, Samuel.....	25	Fireman.....	Sept. 1, 1875	Assistant Foreman.	May 20, 1884
73. Riordan, John.....	21	Fireman.....	Sept. 20, 1876	{ Assistant Foreman. Foreman.....	Nov. 1, 1871 Nov. 19, 1889	46. Hennessey, William.....	30	{ Fireman..... Private.....	Dec. 21, 1874 Jan. 18, 1882	Assistant Foreman.	May 20, 1884
74. Ryan, Patrick F.....	28	{ Engineer of Steamer..... Ass't Engineer of Steamer..}	Nov. 1, 1871 Sept. 6, 1874	{ Engineer of Steamer. Assistant Foreman. Foreman.....	July 21, 1875 Nov. 15, 1883 Aug. 22, 1890	47. Leonard, John H.....	32	Private.....	Feb. 1, 1877	{ Fireman..... Assistant Engineer of Steamer..... Engineer of Steamer Assistant Foreman.	Apr. 13, 1877 Apr. 20, 1877 Oct. 4, 1887 Aug. 16, 1884
75. Burke, Coleman J.....	22	Private.....	Jan. 1, 1878	{ Assistant Engineer. Engineer..... Assistant Foreman. Foreman.....	Jan. 17, 1880 Jan. 1, 1886 Feb. 1, 1887 Aug. 22, 1890	48. O'Grady, Joseph.....	27	Private.....	Nov. 24, 1877	{ Assistant Engineer of Steamer..... Assistant Foreman.	Oct. 20, 1880 Aug. 16, 1884
76. Nash, William H.....	21	Fireman.....	Sept. 9, 1876	{ Assistant Engineer of Steamer..... Engineer of Steamer Assistant Foreman. Foreman.....	Oct. 1, 1876 Jan. 1, 1886 Feb. 1, 1887 June 11, 1891	49. Reilly, Bernard J.....	27	Fireman.....	May 1, 1875	Assistant Foreman.	Aug. 21, 1884
77. Farrell, George F.....	25	Private.....	Nov. 1, 1880	{ Assistant Foreman. Foreman.....	Feb. 1, 1887 June 11, 1891	50. Kinsella, Henry.....	27	Private.....	Feb. 3, 1883	Assistant Foreman.	Aug. 27, 1884
78. Conaghan, Patrick.....	23	Fireman.....	Oct. 20, 1865	{ Assistant Foreman. Foreman.....	Apr. 21, 1873 Nov. 15, 1891	51. McNamara, John J.....	26	Fireman.....	Dec. 7, 1877	{ Assistant Engineer of Steamer..... Assistant Foreman.	Apr. 11, 1883 July 1, 1885
79. Gaffney, Andrew.....	27	Fireman.....	Dec. 1, 1873	{ Assistant Foreman. Foreman.....	May 20, 1884 Nov. 15, 1891	52. Petersen, Adolph J.....	25	Fireman.....	Oct. 25, 1873	Assistant Foreman.	July 1, 1885
80. Norris, Richard J.....	25	Private.....	July 15, 1879	{ Assistant Foreman. Foreman.....	Feb. 1, 1887 Nov. 15, 1891	53. Tobin, Edward H.....	22	Fireman.....	May 4, 1875	Assistant Foreman.	July 1, 1885
81. Reilly, Michael A.....	22	Private.....	Apr. 4, 1881	{ Assistant Foreman. Foreman.....	Aug. 21, 1884 Nov. 15, 1891	54. Beshinger, Joseph.....	23	Private.....	May 10, 1880	Assistant Foreman.	July 1, 1885
82. Grady, John J.....	26	Private.....	Feb. 20, 1882	{ Assistant Foreman. Foreman.....	Nov. 19, 1889 Nov. 15, 1891	55. Banta, Samuel.....	28	Private.....	Jan. 22, 1883	Assistant Foreman.	July 1, 1885
<i>Assistant Foremen.</i>						56. Delaney, James.....	23	Fireman.....	Aug. 1, 1869	{ Assistant Engineer of Steamer..... Engineer of Steamer Assistant Foreman.	Mar. 16, 1871 Nov. 16, 1883 Nov. 15, 1885
1. Schuck, Henry.....	33	Fireman.....	Sept. 18, 1865	Assistant Foreman.	Nov. 22, 1865	57. Burns, John J.....	21	Private.....	Aug. 17, 1883	Assistant Foreman.	Feb. 1, 1886
2. Smith, Edward S.....	23	Fireman.....	Sept. 11, 1865	Assistant Foreman.	Dec. 15, 1868	58. Martin, Michael.....	26	Fireman.....	July 1, 1873	Assistant Foreman.	Dec. 1, 1886
3. Hicks, Matthew.....	21	Fireman.....	Aug. 10, 1868	Assistant Foreman.	Oct. 15, 1870	59. Miller, William.....	28	Private.....	Apr. 2, 1881	Assistant Foreman.	Dec. 1, 1886
4. Lynar, Andrew.....	28	Fireman.....	Jan. 21, 1878	Assistant Foreman.	Feb. 15, 1872	60. Flaherty, James.....	29	Private.....	Feb. 15, 1882	Assistant Foreman.	Dec. 1, 1886
5. Brennan, Terrance P.....	25	Fireman.....	Oct. 6, 1865	Assistant Foreman.	July 1, 1872	61. Whelan, John T.....	29	Fireman.....	May 20, 1884	Assistant Foreman.	Dec. 1, 1886
6. McNamee, Charles.....	28	Fireman.....	July 1, 1869	Assistant Foreman.	Mar. 1, 1873	62. Taylor, Joseph W.....	25	Fireman.....	Jan. 1, 1873	Assistant Foreman.	Mar. 1, 1887
7. Jones, Walter H.....	25	Fireman.....	Oct. 21, 1870	Assistant Foreman.	Mar. 1, 1873	63. Reilly, Michael F.....	29	Private.....	Jan. 13, 1880	Assistant Foreman.	Feb. 1, 1887
8. Braisted, William C.....	25	Fireman.....	July 3, 1872	Assistant Foreman.	June 16, 1873	64. Reilly, Henry P.....	21	Private.....	Oct. 21, 1881	Assistant Foreman.	Dec. 27, 1887
9. Campbell, James A.....	27	Fireman.....	Sept. 29, 1865	Assistant Foreman.	Aug. 15, 1873	65. McCartney, James J.....	28	Fireman.....	Aug. 1, 1884	Assistant Foreman.	Dec. 27, 1887
10. Moore, Edward S.....	31	Fireman.....	Oct. 16, 1865	{ Assistant Foreman. Assistant Foreman.	Dec. 1, 1865 Nov. 3, 1873	66. Naughton, John J.....	23	Private.....	Dec. 1, 1881	{ Assistant Engineer of Steamer..... Engineer of Steamer Assistant Foreman.	Feb. 2, 1883 Feb. 1, 1885 June 1, 1888
11. Louis, Albert F.....	24	Fireman.....	Sept. 14, 1865	{ Assistant Engineer of Steamer..... Engineer of Steamer Assistant Foreman.	Apr. 1, 1871 Sept. 11, 1872 Jan. 15, 1874	67. Coyle, Thomas.....	31	Fireman.....	Feb. 16, 1870	{ Assistant Foreman. Foreman..... aa Fireman..... Assistant Foreman.	Mar. 1, 1873 May 1, 1876 Jan. 19, 1880 June 1, 1889
12. Burnett, Henry.....	33	Fireman.....	Sept. 22, 1865	Assistant Foreman.	Jan. 13, 1874	68. Mackey, Henry F.....	26	Fireman.....	Oct. 15, 1872	Assistant Foreman.	June 1, 1889
13. Cartright, Stephen.....	27	Fireman.....	Aug. 1, 1871	Assistant Foreman.	May 15, 1874	69. O'Brien, P., No. 1.....	26	Fireman.....	Nov. 1, 1872	Assistant Foreman.	June 1, 1889
14. Flock, William F.....	27	Ass't Foreman..	Sept. 8, 1865	{ Foreman..... Assistant Foreman.	Oct. 15, 1870 Dec. 21, 1874	70. Hanlon, Peter.....	31	Fireman.....	Feb. 13, 1874	Assistant Foreman.	June 1, 1889
15. Carey, Francis.....	25	Fireman.....	June 2, 1868	Assistant Foreman.	Dec. 21, 1874	71. Cain, Daniel L.....	27	Private.....	Dec. 23, 1880	Assistant Foreman.	June 1, 1889
16. Wright, Augustus H.....	29	Fireman.....	May 4, 1875	Assistant Foreman.	May 1, 1876	72. Sloan, Peter.....	27	Fireman.....	Oct. 26, 1881	Assistant Foreman.	June 1, 1889
17. Kruger, Charles W., Jr.....	22	{ Ass't Engineer of Steamer..}	July 3, 1872	Assistant Foreman.	Sept. 27, 1877	73. McNicol, John A.....	28	Fireman.....	Dec. 20, 1886	Assistant Foreman.	June 1, 1889
18. Kenchan, Richard F.....	30	Fireman.....	July 1, 1875	Assistant Foreman.	Apr. 3, 1878	74. Slevin, Michael H.....	29	Fireman.....	Dec. 20, 1886	Assistant Foreman.	June 1, 1889
19. Finn, John.....	29	Fireman.....	Sept. 20, 1866	Assistant Foreman.	Aug. 21, 1878	75. Hern, John.....	23	Fireman.....	Sept. 11, 1865	Assistant Foreman.	Nov. 19, 1889
20. McCarthy, Patrick.....	25	Fireman.....	June 15, 1872	Assistant Foreman.	Apr. 27, 1879	76. Reilly, Lawrence J.....	25	Fireman.....	May 10, 1871	Assistant Foreman.	Nov. 19, 1889
21. O'Rourke, Owen.....	25	{ Fireman..... Fireman.....	Sept. 22, 1865 Feb. 12, 1875	Assistant Foreman.	July 10, 1879	77. Freely, Thomas F.....	23	Private.....	July 18, 1881	Assistant Foreman.	Nov. 19, 1889
22. Browning, William.....	21	{ Fireman..... Ass't Engineer of Steamer..}	Apr. 23, 1869 May 9, 1873	{ Assistant Engi- neer of Steamer.. Engineer of Steamer Assistant Foreman.	June 1, 1871 Aug. 1, 1874 Feb. 1, 1880	78. Fahey, John.....	28	Private.....	Jan. 19, 1882	Assistant Foreman.	Nov. 19, 1889
23. O'Reilly, Patrick H.....	23	Fireman.....	Aug. 21, 1875	Assistant Foreman.	July 20, 1880	79. Barrett, Thomas F.....	24	Private.....	Feb. 1, 1883	Assistant Foreman.	Nov. 19, 1889
24. Kerrigan, Francis.....	29	Fireman.....	May 1, 1875	Assistant Foreman.	Sept. 16, 1880	80. Martin, Joseph B.....	23	Private.....	Jan. 18, 1884	Assistant Foreman.	Nov. 19, 1889
25. McCarthy, John.....	29	Fireman.....	Sept. 15, 1871	Assistant Foreman.	June 9, 1881	81. Stack, Edward.....	26	Fireman.....	June 10, 1870	Assistant Foreman.	Aug. 22, 1890
26. Gerity, James J.....	24	Fireman.....	Feb. 1, 1874	Assistant Foreman.	Nov. 1, 1881	82. Cook, William J.....	29	Hoseman.....	July 3, 1872	{ Fireman..... Assistant Foreman.	Mar. 1, 1873 Aug. 22, 1890
27. Kelly, Thomas.....	23	{ Fireman..... Fireman.....	Sept. 18, 1865 June 15, 1867	Assistant Foreman.	Nov. 25, 1881	83. Horan, Patrick T.....	28	Private.....	Oct. 27, 1880	Assistant Foreman.	Aug. 22, 1890
28. Hyde, David.....	27	Fireman.....	July 17, 1873	Assistant Foreman.	Mar. 22, 1882	84. Smith, James J., No. 1.....	26	Private.....	Apr. 4, 1881	Assistant Foreman.	Aug. 22, 1890
29. Murphy, John.....	24	Fireman.....	Oct. 17, 1870	Assistant Foreman.	Aug. 7, 1882	85. Fitzmaurice, D. P.....	22	Private.....	Feb. 15, 1882	Assistant Foreman.	Aug. 22, 1890
30. Aiken, Alexander D.....	24	Fireman.....	July 19, 1871	Assistant Foreman.	Dec. 1, 1882	86. Kane, Thomas F.....	22	Fireman.....	May 15, 1882	Assistant Foreman.	Aug. 22, 1890

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.

NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
	Age.	Grade.	Date.	Grades.	Dates.
96. Brogan, James C.....	26	Fireman.....	May 1, 1880	Assistant Foreman.	Nov. 15, 1891
97. Brennan, Patrick J., No. 2.....	27	Fireman.....	Sept. 4, 1885	Assistant Foreman.	Nov. 15, 1891
98. Callaghan, Richard W.....	28	Fireman.....	Sept. 4, 1885	Assistant Foreman.	Nov. 15, 1891
99. Maher, Patrick, No. 1.....	27	Fireman.....	June 7, 1886	Engineer of Steamer Assistant Foreman.	Nov. 22, 1889 Nov. 15, 1891

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.....	44	11	27	82	1879.....	3	6	5	14
1866.....	10	4	13	27	1880.....	7	12	17	36
1867.....	..	2	1	3	1881.....	10	2	30	42
1868.....	7	6	7	20	1882.....	9	3	40	52
1869.....	6	6	15	27	1883.....	8	8	54	70
1870.....	10	2	8	20	1884.....	10	12	60	82
1871.....	13	2	7	22	1885.....	4	4	21	29
1872.....	9	3	17	29	1886.....	3	6	39	48
1873.....	11	6	34	51	1887.....	..	6	30	36
1874.....	7	7	31	45	1888.....	..	5	84	89
1875.....	13	7	18	38	1889.....	..	..	11	11
1876.....	3	..	5	8	1890.....	..	4	70	74
1877.....	6	8	2	16	1891.....	..	2	54	56
1878.....	2	..	2	4	Total.....	195	134	702	1,031

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

ALARMS.	MANNER OF RECEIPT.				CAUSE.									
	From Department Street Alarm Boxes.	Special Department Telegraph Signals.	Verbally.	Automatic Telegraph.	Total.	Accidents.	Cry of "Fire."	Error.	Exhibition of Department.	Explosions.	Fire outside of City.	Heat and Disarrangement of Automatic Telegraph.	Ignorance.	Malicious Mischief.
Unnecessary.....	55	2	4	29	90	8	4	..	5	..	22	9	30	12
Indication of Fire..	116	..	53	2	171	..	..	..	..	..	..	..	13	158
Fires.....	2,005	15	1,911	7	3,938	..	..	..	..	..	..	..	..	..
Total.....	2,176	17	1,968	38	4,199	8	4	..	5	..	22	9	30	13

343 alarms were communicated by attachés of this Department, of which 337 proved to be for fires.

1,346	"	"	Police	"	1,309	"	"
345	"	"	District key-holders,	"	324	"	"
513	"	"	Citizen	"	467	"	"
1,652	"	"	all other means,	"	1,501	"	"
4,199	"	"	all the various means,	"	3,938	"	"

Statistics of Fires.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
In buildings—													
Confined to point of starting.....	320	296	315	322	296	300	362	234	243	278	272	337	3,575
Confined to building.....	14	9	15	11	22	20	16	12	6	14	18	16	173
Extended to other buildings.....	4	5	5	3	5	3	3	2	6	9	6	5	56
Number in buildings.....	338	310	335	336	323	323	381	248	255	301	296	358	3,804
In vessels.....	..	2	3	2	2	1	..	..	2	3	1	2	18
In other places (woods, etc.).....	7	6	3	16	12	10	9	1	7	17	15	13	116
Total.....	345	318	341	354	337	334	390	249	264	321	312	373	3,938
Extinguished—													
Without engine stream.....	239	220	236	246	222	242	288	182	196	206	190	248	2,715
With one engine stream.....	71	72	67	72	77	57	60	45	47	86	82	85	821
With two or three engine streams....	26	20	24	25	26	20	32	14	16	23	28	30	284
With more than three engine streams.	9	6	14	11	12	15	10	8	5	6	12	10	118
Total.....	345	318	341	354	337	334	390	249	264	321	312	373	3,938
Extent of damage to buildings and vessels—													
Built mainly of brick, stone or iron:													
Slight.....	53	57	34	49	53	41	45	30	30	54	49	55	550
Considerable.....	14	5	16	10	15	17	19	8	9	11	17	13	153
Destroyed.....	..	..	2	2	..	..	..	2	2	..	..	..	8
Total.....	67	62	52	61	68	58	64	40	41	65	66	68	711

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Extent of damage to buildings and vessels—													
Built mainly of wood—													
Slight.....	8	13	7	7	5	1	10	3	4	13	11	6	88
Considerable.....	..	..	11	7	10	2	6	2	4	6	3	1	53
Destroyed.....	..	4	2	..	..	..	..	2	..	2	..	..	10
Total.....	8	17	20	14	15	3	16	7	8	21	14	7	151
Total buildings and vessels damaged.....	75	79	72	75	83	61	80	47	49	86	80	75	862
To which the damage was—													
Slight.....	61	70	41	56	58	42	55	33	34	67	60	61	638
Considerable.....	14	5	27	17	25	19	25	10	13	17	20	14	206
Destroyed.....	..	4	4	2	..	..	..	4	2	2	..	..	18
Number of fires resulting in damage to contents only; buildings or vessels not damaged.....	45	53	45	66	65	81	129	51	53	41	26	51	606
Number of fires resulting in nominal damages (less than \$10) to either structures or contents.....	118	86	120	126	102	116	116	85	103	101	104	117	1,294

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.....	38	43	55	48	52	61	40	34	40	47	48	50	556
Tuesday.....	41	44	40	48	51	64	34	41	50	39	43	50	545
Wednesday.....	50	46	58	65	39	44	50	29	52	28	48	65	574
Thursday.....	66	54	37	62	47	41	53	37	32	57	38	64	588
Friday.....	54	40	47	37	45	31	38	29	24	50	41	56	492
Saturday.....	51	52	44	50	48	41	109	39	43	51	39	49	616
Sunday.....	45	39	60	44	55	52	66	40	23	49	55	39	567
Between the hours of—													
12 midnight and 1 a. m.....	6	12	6	11	10	3	15	8	10	8	5	8	107
1 a. m. and 2 a. m.....	13	4	10	6	7	13	10	10	4	9	11	14	111
2 a. m. and 3 a. m.....	3	10	5	6	8	12	12	11	11	10	5	7	100
3 a. m. and 4 a. m.....	10	6	5	5	5	7	9	6	6	5	12	5	81
4 a. m. and 5 a. m.....	5	8	6	7	10	8	5	3	8	6	7	5	78
5 a. m. and 6 a. m.....	7	6	7	7	7	4	4	7	3	3	8	2	65
6 a. m. and 7 a. m.....	8	7	2	7	3	3	4	1	5	4	2	3	49
7 a. m. and 8 a. m.....	5	13	8	11	9	8	12	3	3	1	5	10	87
8 a. m. and 9 a. m.....	7	4	10	12	9	8	6	6	12	12	9	14	119
9 a. m. and 10 a. m.....	13	12	14	13	12	11	15	11	18	14	14	7	154
10 a. m. and 11 a. m.....	21	16	18	17	18	11	14	11	14	12	10	15	177
11 a. m. and 12 m.....	19	12	13	18	22	16	18	10	9	10	13	17	177
12 m. and 1 p. m.....	15	17	15	17	8	10	12	11	9	10	7	13	144
1 p. m. and 2 p. m.....	15	11	18	7	16	17	20	4	12	8	4	14	146
2 p. m. and 3 p. m.....	11	14	10	15	22	20	24	15	15	12	13	17	188
3 p. m. and 4 p. m.....	20	16	17	11	11	16	15	8	9	13	12	14	162
4 p. m. and 5 p. m.....	15	13	11	17	16	14	17	12	9	16	26	31	197
5 p. m. and 6 p. m.....	32	21	21	23	15	19	12	9	10	31	28	40	261
6 p. m. and 7 p. m.....	26	26	40	19	19	22	19	9	28	34	28	30	300
7 p. m. and 8 p. m.....	25	24	31	28	31	27	25	26	24	30	22	18	311
8 p. m. and 9 p. m.....	22	18	27	38	33	28	47	21	16	22	23	31	326
9 p. m. and 10 p. m.....	22	11	24	29	20	22	37	15	12	16	26	24	258
10 p. m. and 11 p. m.....	10	16	12	18	18	20	19	16	10	20	7	21	187
11 p. m. and 12 midnight.....	15	12	11	12	8	10	19	16	7	15	15	13	153
Between 6 a. m. and 6 p. m.....	181	165	157	168	161	153	169	101	125	143	143	195	1,861
Between 6 p. m. and 6 a. m.....	164	153	184	186	176	181	221	148	139	178	169	178	2,077
Total each month.....	345	318	341	354	337	334	390	249	264	321	312	373	3,938

Notable Fires.

January 1.—7.57½ P. M. Nos. 241 to 245 Centre street. A seven-story brick building, 75 by 60 feet, occupied by dealers in shell goods and for various other kinds of business. The fire originated on the third floor and extended by the stairways and belt holes to the seventh floor, considerably damaging the building. Seventeen engine and five hook and ladder companies and one water-tower were in service, and the fire was under control in four and one-half hours. The cause of the fire was spontaneous combustion, and the loss was estimated at \$38,990.

January 2.—11.50 P. M. Nos. 29 and 31 West Twenty-eighth street. A three-story brick building, about 60 by 160 feet, occupied as the Fifth Avenue Theatre. The fire originated in the cellar under the auditorium, soon after the departure of the audience, and the building was destroyed. The fire extended to the following buildings: No. 28 West Twenty-ninth street, rear, a four-story brick building, 25 by 50 feet, occupied as dressing rooms for performers; Nos. 33 and 35 West Twenty-eighth street, a four-story brick building, 40 by 40 feet, occupied as a dwelling, which were slightly damaged; Nos. 33 and 35 West Twenty-eighth street, rear, a three-story brick building, 20 by 40 feet, connected with the stage of the theatre and used for storage of scenery, which was destroyed; Nos. 1185 to 1193 Broadway, a row of four-story buildings, 85 by 75 feet in all, occupied for various business purposes, slightly damaging the roof and the rear portion of each building; No. 1195 Broadway, a three-story brick building, 45 by 100 feet, occupied as Hermann's Theatre; damage to the building and contents trifling. The high wind carried a large number of burning brands against the upper part of the hotel known as the "Sturtevant House," a five-story brick building, occupying the entire front on the east side of Broadway, from Twenty-eighth to Twenty-ninth street. The roof and part of the fifth story of the building, which forms the mansard and has a slate front with dormer windows upon a wooden frame, and a hanging ceiling, was also damaged. Twenty-two engines, eight hook and ladder trucks and one water-tower were in service, and the duration of the fire was four and one-half hours. The cause was carelessness of super-numeraries in smoking, and the loss was estimated at \$172,745.

January 14.—1.12½ A. M. Nos. 387, 388 and 389 West Eleventh street, corner of Thirteenth avenue, a six-story brick building, 75 by 75 feet, occupied as a grain elevator and storehouse. The

fire originated on the sixth floor, in cupola, and extended, before the alarm was given, through the many grain shutters throughout the building, which was considerably damaged. The building was surrounded with telegraph poles, carrying about 250 wires, greatly obstructing the work of the force. Twelve engines, two fire-boats and three hook and ladder trucks were in service, and the fire was under control in about two hours. While this fire was burning, two other fires occurred, the first at Nos. 193 and 194 West street, running through to Nos. 7 and 9 Caroline street, and the second at Nos. 100 and 102 Bethune street, both of which are described in subsequent paragraphs. The cause of the fire was friction of machinery, and the loss was estimated at \$125,000.

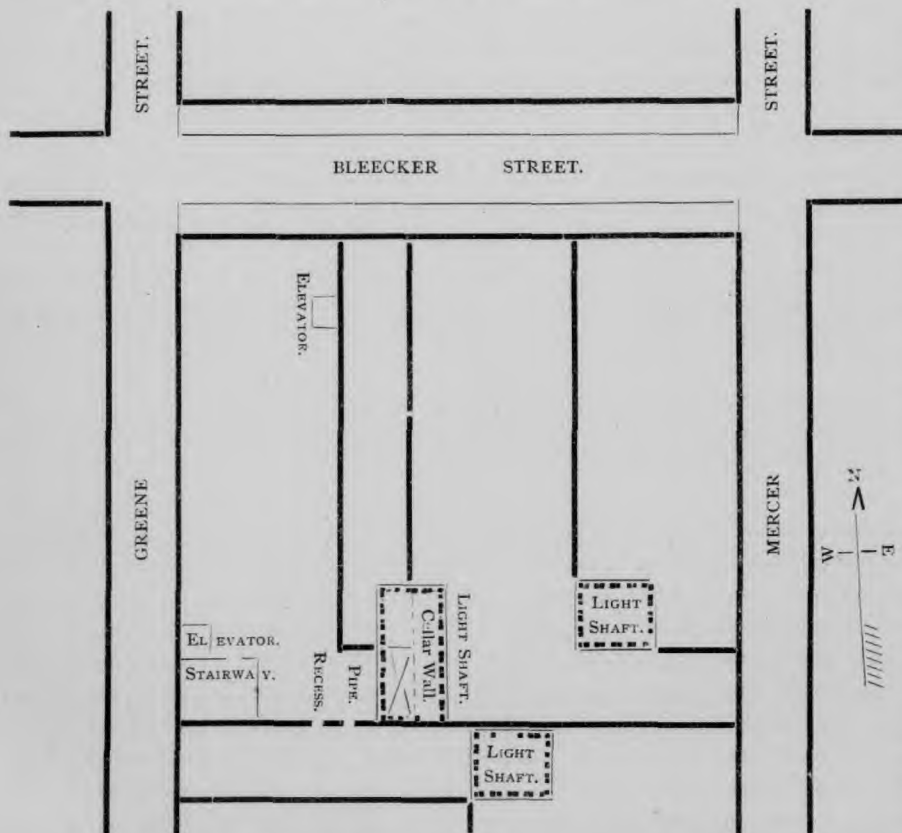
January 14.—1.44 A. M. Nos. 193 and 194 West street, running through to Nos. 7 and 9 Caroline street. A six-story brick building, 50 by 125 feet, occupied as a lithographing establishment. The fire originated on the third floor and extended (before the arrival of the force) to the sixth floor, considerably damaging the building. No. 10 Caroline street, a five-story brick building, was slightly damaged by heat and a portion of the roof of the building No. 192 West street was carried down by the falling of the top of the south wall of the building on fire. The fire required the services of thirteen engine and three hook and ladder companies and one water-tower, and it was under control in about two hours. The cause was not ascertained, and the loss was estimated at \$71,325.

January 14.—3.30 A. M. Nos. 100 and 102 Bethune street. A five-story brick building, 50 by 200 feet, occupied as a storage warehouse. The fire originated on the fourth floor and extended (through open hatchway) to the fifth floor, slightly damaging the building. Fifteen engine and five hook and ladder companies were in service at the fire (of which eight engine and two hook and ladder companies were sent by verbal orders from the fire at Nos. 387 to 389 West street). The fire was under control in about four hours. The cause of the fire was sparks from the fire at Nos. 387 to 389 West street, entering through opening in iron shutter, and the loss was estimated at \$110,126.

Altogether, the three last-described fires required the services of twenty-nine engine and eight hook and ladder companies, two floating engines and one water-tower.

March 5.—3.19 P. M. Pier 24, East river. Steamboat "City of Richmond," length 345 feet, breadth of beam 60 feet, and depth of hold 10 feet, which was used by the Hartford Line to transport freight. The fire originated amidship and extended throughout the upper portion of the vessel, considerably damaging it. It also extended slightly to the frame sheds on Piers 24 and 25, and to the freight on Pier 24. The fire required the services of two floating engines, nine engine and four hook and ladder companies, and it was under control in about two hours. After the fire was extinguished the body of a colored man (an employee of the line) was found on the main deck, and after the boat was pumped out and raised, the bodies of two other colored employees of the line were found between decks. This was the first fire (on the river front) at which the new floating engine "The New Yorker" (Engine 57) was used, and the working of the machinery and pumps was most satisfactory. The cause was sparks from a passing tug-boat lodging in cotton bale while on lighter, and the loss was estimated at \$165,000.

March 17.—5.19½ P. M. Nos. 104 and 106 Bleeker street, southeast corner of Greene street. A ten-story brick and iron building, 60 by 125 feet, occupied by clothing manufacturing firms. The fire originated in the sub-cellar in a bin of cloth and silk clippings and extended by stairway, elevator shafts and pipe recesses in the walls throughout the entire building, causing its destruction. The cause was spontaneous combustion of cloth clippings and the loss is estimated at \$1,463,784. The diagram here inserted shows the building with the light shafts and pipe recesses:



The fire also extended through windows facing light shaft on the rear to the following buildings:

No. 102 Bleeker street, a four-story brick building, 25 by 80 feet, occupied by feather dealers, destroying it.

Nos. 98 and 100 Bleeker street, a six-story brick and iron building, 50 by 100 feet, with an L at No. 197 Mercer street, 15 by 100 feet, occupied as a wholesale clothing manufactory, considerably damaging it.

No. 170 Greene street, a six-story brick and iron building, 25 by 100 feet, occupied as a button manufactory, considerably damaging it.

Nos. 171 to 177 Greene street, a six-story brick building, 100 by 100 feet, occupied by importers, slightly damaging it.

Nos. 97 and 99 Bleeker street, a six-story brick building, 50 by 80 feet, occupied by dealers in hats, slightly damaging it.

No. 179 Greene street, a three-story brick building, 30 by 50 feet, occupied by dealers in hats, trifling.

No. 181 Greene street, a three-story brick building, 30 by 20 feet, occupied as a cigar store and dwelling, slightly damaged.

The walls, in falling, caused great damage to the telegraph wires running in front of the building. Many lengths of hose were also destroyed by the falling walls. The fire required the services of twenty-nine engine and five hook and ladder companies and one water-tower, and was under control in about five hours. Several members of the Department received slight injuries, and a member of Insurance Patrol No. 2, named John Spellman, was suffocated while on duty on the third floor of No. 197 Mercer street. His body was found on the following day.

At 6.22 P. M., while the Bleeker street fire was at its height, a second fire occurred at Nos. 28 and 30 Leonard street, which required the services of six engine and four hook and ladder companies for about two and one-half hours.

At 11.19 o'clock P. M., a third fire occurred at Nos. 236 and 238 West Seventeenth street, requiring the services of ten engine and three hook and ladder companies for about one and one-half hours.

At 3.14 o'clock A. M. on March 18, a fourth fire occurred at Nos. 37 and 39 Allen street, requiring the services of nine engine and two hook and ladder companies for about two hours. Four persons were burned to death before the arrival of the Department's forces, their bodies being found after the fire was extinguished, and four were injured—only one of them, however, after the firemen reached the scene. The first company found the stairway on fire from cellar to roof, and many of the inmates were driven to the fire-escapes, whence they were taken down by the members of Hook and Ladder Company No. 6 with ladders.

In addition to those above mentioned, nine other fires occurred in various parts of the city prior to 4 o'clock A. M. on the 18th, which were extinguished by individual companies.

For service at the first five fires, fifty-six engine and seventeen hook and ladder companies were called within a period of eleven hours, during which nine other engine and two hook and ladder companies were out of quarters, either responding to alarms or covering localities left uncovered by companies in service elsewhere, making the aggregate calls for sixty-five engine and nineteen hook and ladder companies. Only ten engine and six hook and ladder companies of the entire land force were not called out of quarters during the time specified.

March 21.—5.38½ P. M. No. 652 Broadway. A five-story brick and stone building, 30 by 100 feet, occupied by clothiers. The fire originated on the third floor, in water-closet, and extended by the stairways and through ceiling to the fifth floor, considerably damaging the building. The fire required the services of eight engine and four hook and ladder companies and one water-tower, and was under control in one and one-half hours. This fire was discovered and sent out by an automatic instrument located in the building. The cause was carelessness of an employee with a lighted match, and the loss was estimated at \$76,000.

April 16.—11.24 P. M. Nos. 583, 585 and 587 Hudson street, running through to Greenwich street. A six-story brick building, 75 by 200 feet, occupied for manufacturing purposes. The fire originated on the second floor and extended by light shaft and elevator openings throughout the entire building, which was destroyed. It also extended to No. 591 Hudson street, a five-story brick building, 25 by 200 feet, occupied as a storage warehouse, which was destroyed; to No. 593 Hudson street, a five-story brick building, 25 by 200 feet, occupied as a storage warehouse, which was considerably damaged, and to Nos. 584 and 586 Hudson street, a five-story brick building, 50 by 100 feet, occupied as a printing establishment; to No. 90 Bank street, a five-story brick building, 25 by 80 feet, occupied as a butcher shop and dwelling; to No. 92 Bank street, a three-story brick building, 20 by 40 feet, occupied as a dwelling; to No. 94 Bank street, a three-story brick building, 20 by 40 feet, occupied as a dwelling; to No. 778 Greenwich street, a five-story brick building, 25 by 60 feet, occupied as a dwelling, and to No. 781 Greenwich street, a three-story brick building, 20 by 40 feet, occupied as a dwelling, which were slightly damaged, the last named by falling walls. The services of twenty-six engine, seven hook and ladder companies and one water-tower were required, and the fire was under control in about four hours. The engines connected to hydrants on the 6-inch mains could not obtain a proper supply of water. Owing to the inflammable nature of the contents of the buildings the fire extended very rapidly and several members of the Department received injuries in various ways, but none seriously. Many lengths of hose were destroyed by falling walls, several ladders were damaged, and a number of pipes, nozzles, axes, hooks, roof-ropes and other implements were destroyed or damaged. The cause was not ascertained, and the estimated loss was \$374,925.

May 10.—3.45 P. M. Nos. 126 to 130 Franklin street, Nos. 108 to 114 West Broadway and Nos. 2 to 8 Varick street. A nine-story brick building, 70 feet on West Broadway, 90 feet on Franklin street, 85 feet on Varick street, about 100 feet deep and 115 feet in height, occupied as a wholesale grocery house. The fire originated on the ninth floor and was confined to that floor, slightly damaging the building. It required the services of twenty-five engine, six hook and ladder companies, two water-towers, and was under control in about four hours. During the progress of the fire a portion of the east wall of the upper story fell outward, striking the west track of the Elevated Railroad, doing considerable damage to that structure. The cause was not ascertained, and the estimated loss was \$206,000.

May 11.—9.29 P. M. Foot of Forty-fifth street, East river. A five-story brick building, 50 by 100 feet, occupied as a fertilizer manufactory in connection with a wholesale butchering establishment. The fire originated on the third floor and extended throughout the building, considerably damaging it. On the arrival of the force the fire had complete control of the entire building, there evidently having been great delay in sending the alarm. The fire required the services of twelve engine and four hook and ladder companies, two fire-boats, and was under control in about two and one-half hours. It was caused by heat from drying machine setting fire to dust of fertilizer. The estimated loss was \$57,750.

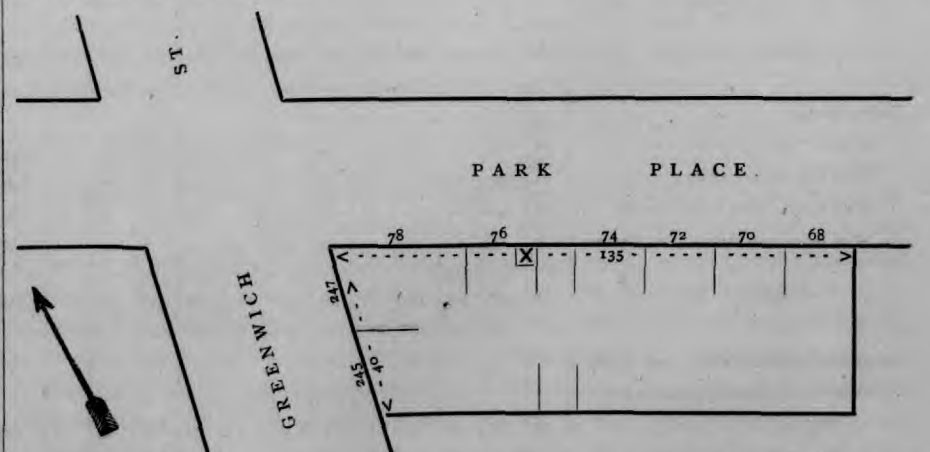
June 27.—2.06 A. M. Nos. 1514 to 1528 Broadway, extending from Forty-fourth to Forty-fifth street. A four-story brick building, 100 by 200 feet, occupied by the Seventy-first Regiment, N. G. S. N. Y., as an armory. The fire originated on the second floor and extended by stairway and furred recesses to the roof, considerably damaging the building. It required the services of seventeen engine and five hook and ladder companies, and was under control in about two and one-half hours. Engines connected to 6-inch mains failed to obtain a proper supply of water. It was caused by rats gnawing matches, and the loss was estimated at \$51,800.

July 7.—8.09 P. M. Nos. 168 to 178 Jane street, corner of Thirteenth avenue. A three and four story brick building, 150 by 100 feet, occupied as the New York Print Works. The fire originated on the second floor and had extended throughout the entire building (before the arrival of the force), which was considerably damaged. It required the services of twelve engine, four hook and ladder companies, two floating engines and a boat tender, and was under control in about two hours. The condition of the fire when the force arrived clearly showed that the employees had endeavored to extinguish it with the private appliances before sending out the alarm and several abandoned lines of hose were found on the different floors. The cause of the fire was steam-pipes igniting woodwork, and the loss was estimated at \$222,000.

July 8.—11.50 A. M. Sixth avenue, east side, extending from Forty-third to Forty-fourth street. A four-story brick building, 100 by 200 feet, occupied by the Sixth Avenue Railroad Company as stables, storage for cars and feed, hay and straw. The fire originated on the fourth floor in the centre of the building among the hay and straw, and extended by door openings and stairways to the third floor, considerably damaging the building. It required the services of twenty-two engine and six hook and ladder companies, and was under control in about four hours. About 500 tons (5,000 bales) of hay and straw were stored in the building, the greater part of which had to be removed from the building by the force before the fire could be extinguished. Several of the largest engines at work, which were connected to the 6-inch mains, could not obtain a sufficient supply of water. The cause of the fire was not ascertained, and the estimated loss was \$29,000.

August 20.—6.10 P. M. On the east bank of the Harlem river, between One Hundred and Fiftieth and One Hundred and Fifty-first streets, used as a grand stand on the athletic grounds of the Young Men's Christian Association. The fire originated on the stand and extended to piles of lumber containing about 2,000,000 feet, to a five-story brick building, 125 by 85 feet, occupied as a manufactory of refrigerators, etc., to the two-story brick building, 35 by 40 feet, occupied as a stable and to the two-story frame building, 25 by 45 feet, occupied as a dwelling, all of which were destroyed. The fire required the services of nine engine, two hook and ladder companies, one fire-boat, and was under control in about two hours. The location of the fire was so inaccessible for the apparatus, being surrounded by piles of lumber and at least one thousand feet distant from hydrants, as to make it necessary to stretch lines of hose by hand (as it was impossible for the tenders to reach the fire) for distances varying from one to two thousand feet, thus using in all 13,000 feet of hose. The water-mains in this locality are very small and so remote from the buildings where the fire occurred as to make the supply of water entirely inadequate. The fire originated from carelessness on part of spectators when smoking, and resulted in an estimated loss of \$177,481.

August 22.—12.30 P. M. Nos. 68 to 78 Park place. A five-story brick building, 140 by 40 feet, occupied for various business purposes, such as lithographing, dealer in gold leaf and manufactory of bronze paints, restaurant, plumber, printers, bookbinders, type-foundry, publishers, etc. The fire originated in the part of the premises occupied by a dealer in bronze powder and manufactory of liquid bronze of an explosive character (first floor and basement of No. 70 Park place), from an explosion of vapor of benzene, which caused the collapse of the building from No. 68 to No. 74 Park place (see diagram).



The services of twelve engines, four hook and ladder companies and one fire-boat were required to extinguish the fire, which was under control in about three hours. A number of persons employed in the building, as well as some others who were in it or passing at the time of the explosion, were caught in the falling mass and killed or injured. As soon as practicable the work of extricating the injured and dead was begun by the fire-extinguishing force, and a considerable

force of laborers was employed to search the ruins, under the superintendence of the officers of the fire-extinguishing force. The firemen aided in this work until it was completed. Many persons who were more or less injured were taken from the ruins, and sixty-three bodies were recovered. The Commissioners subsequently directed the following to be communicated to the uniformed force by the Chief of Department: "The Fire Commissioners desire to express their high appreciation of the alacrity and energy displayed by the uniformed force, under the efficient control of Deputy Chief Reilly, in the face of the most trying conditions, at the scene of the Park place disaster." The estimated loss was \$76,375.

August 23.—4.41 A. M. No. 341 Broadway and No. 88 Leonard street. A five-story brick L-shaped building, each front 25 feet wide and 150 feet deep, occupied by a toy and woodenware dealer. The fire originated in the sub-cellar and extended to the second floor by stairway and through rear windows, slightly damaging the building. The fire required the services of twenty-three engines, five hook and ladder companies and one water-tower, and was under control in about six hours. During the progress of the fire Assistant Foreman James H. Shule, of Engine Company No. 27, while in command of that company, was overcome by heat and smoke while at work on the second floor of the Leonard street part of the building. He was carried out of the building by members of the Department, to the street, where he expired before the ambulance, which had been summoned, arrived. The cause of the fire was not ascertained, and the estimated loss was \$91,300.

September 8.—1.22 P. M. Nos. 63 and 64 South street. A six-story brick building, 40 by 100 feet, occupied as a storage warehouse. The fire originated on the fifth floor and extended to the fourth and sixth floors, considerably damaging the building. The fire required the services of eleven engines, four hook and ladder companies, two fire-boats, one water-tower and one boat tender, and was under control in about six hours. The building was stored with various kinds of merchandise, such as teas, coffees, spices, mustard, tobacco, cigars, etc., and the smoke therefrom made it very difficult to reach the fire and extinguish it before it had extended by stairways and hoistways to the adjoining floors. It was caused by hot coals from furnace of hoisting engine falling on floor, and the estimated loss amounted to \$264,476.

September 15.—9.10 A. M. Nos. 126 to 136 Fulton street. A five-story brick building, 150 by 35 feet, occupied by a cleaner and repairer of clothing on the first floor, and as offices, etc., on the upper floors. The fire originated on the second floor and extended by stairways, hoistways and through arches, etc., to the first, third, fourth and fifth floors, considerably damaging the building. No. 87 Nassau street, a four-story brick building, 25 by 75 feet, occupied by a furnishing goods dealer, was also connected to the above building and it extended to No. 85 Nassau street, a five-story brick building, 25 by 100 feet, occupied on the first floor as a saloon and the upper part by manufacturing jewelers, etc., considerably damaging the building. The heat from the fire scorched the window-frames and woodwork on the fronts of the buildings Nos. 129, 131, 133, 135, 137, 139, 141 and 143 Fulton street and Nos. 86, 88 and 90 Nassau street, opposite. The fire required the services of twenty-five engines and eight hook and ladder companies, and was under control in about six hours. Engine Company No. 4 was the first company to arrive, but was unable to get first water on the fire, as it was compelled to change hydrants three times because of the scarcity of water in the street mains. All of the companies responding on the first and second alarms report a very poor supply of water. Two of the occupants transacting business in the buildings (John and Frederick Adelman, father and son), were burned to death, being unable to escape because of the rapidity with which the fire extended throughout the buildings. The debris was removed, and the two bodies were recovered, under direction of the officers of this Department. The building had many tenants, and when the fire broke out there was a large number of people in it. All except the two referred to, however, escaped, the building being well provided with fire-escapes.

The cause of the fire was vapor of benzine igniting from heat of stove, and the estimated loss was \$218,888.

November 4.—No. 131 Reade street, extending through to No. 149 Chambers street. A five-story brick building, 25 by 175 feet, occupied by dealers in tobacco, stationery, brushes and for various other kinds of business. The fire originated on the second floor and extended by stairway to the roof, considerably damaging the building. The first alarm was received at 8.49 o'clock P. M., and the fire required the services of twelve engine and five hook and ladder companies and one water-tower, and was under control in about two hours. The estimated loss was \$77,977, and the cause of the fire was not ascertained.

December 23.—Nos. 85 to 89 Cliff street. A six-story brick building, 75 by 100 feet, occupied by manufacturers of scales and tools. The fire originated on the second floor and extended by the elevator shafts to the third, fourth, fifth and sixth floors, considerably damaging the building. The first alarm was received at 3.33 A. M. The fire required the services of eighteen engine and five hook and ladder companies and one water-tower, and was under control in about three hours. The loss was estimated at \$52,900, and the cause was spontaneous combustion of oily waste.

Water Consumption.

As nearly as can be estimated, 39,526,750 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 9,735,000 gallons of river water was used by the three fire boats, making an aggregate of 49,331,750 gallons.

Theatre Details.

Since 1876 the Department has detailed firemen during public performances at all places of amusement where machinery and scenery are used, to guard against fire, have charge and control of the means provided for its extinguishment, and generally to see to it that the laws and rules enacted to secure the safety of life and property are properly observed. The wisdom of the provision of law authorizing the detail of firemen at theatres has been amply shown.

During the past fifteen years there were 311 fires in theatres; 156 occurred while they were closed to the public, and, consequently, while there were no firemen on duty in them; 9 of these resulted in the destruction of the building, and 4 others in serious damage.

On the other hand, 155 fires occurred while the detailed firemen were on duty, and all were promptly extinguished with nominal loss only; 84 were discovered and extinguished by the detailed firemen alone, 21 by the Department and the remainder by the theatre employees.

Panics, resulting from alarms, with their attendant horrors, have been wholly avoided or at least promptly suppressed, the mere appearance of the firemen sufficing, in most instances, to allay the fears of the audience.

In the light of the above facts there can be no doubt of the value of this service or of the necessity for its continuance, primarily to insure the safety of the lives of the people, but also to guard against the great danger of destruction of property. During the greater part of the year about 36 firemen are detailed for this service.

The duty is, however, a very onerous one upon the fire-extinguishing force of the Department, for the reason that the detailing of the firemen during the hours of the day or night when most of the fires occur impairs the efficiency of the companies from which they are thus temporarily detached.

To remedy this the Legislature has, since the close of the period for which this report is made, enacted a law providing for the increase of the force to the extent of one fireman for each theatre to which such details are made under authority of the law.

Meritorious Services.

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

Fireman 1st grade Patrick Lucas, of Engine Company No. 30, rescued Martin, William, Mary Ellen and Martin J. Ryan from the burning tenement No. 52 Dominick street, at 2.22 A. M., on October 5.

On arrival at the scene of the fire, the Chief of Battalion in command finding smoke issuing from every window of the building, the hall door open and the hallway and stairs on the first floor in a mass of flame, immediately closed the door and ordered Fireman Lucas to mount the fire-escape and rescue the persons seen at a window on the fifth floor.

Fireman Lucas climbed up a window-blind on the first story and taking hold of the railing of the fire-escape on the second story swung himself on to it and ascended to the fourth floor. Standing there with one foot on the railing of the fire-escape and the other on the lintel of the fourth-story window, and holding on to the fire-escape of the fifth floor with one hand, he reached up with the other hand and assisted the Ryan family (four in number) to the fire-escape, which they safely descended. It was considered that this was accomplished with considerable personal risk on the part of Fireman Lucas.

This fire was also marked by a very sad occurrence, affecting one of the members of this Department. Fireman Murphy, of Hook and Ladder Company No. 8, who lived with his wife on the fifth floor of this building, himself found Mrs. Murphy lying insensible on the floor of the front room and with the assistance of a comrade carried her to the balcony of the fire escape, where she soon expired.

Fireman 2d grade John Sullivan, of Engine Company No. 14, at a fire which occurred at No. 101 Fifth avenue on the 8th of October, at 11.25 A. M., rescued Miss Maria Coffey under circumstances which are related in the official report as follows:

Miss Coffey, upon the arrival of the company, was at a window on the third floor of the building, her escape by stairway having been cut off by the flames. Firemen Coleman and Sullivan were directed to climb up the front of the building with scaling ladders. Fireman Sullivan reached the third floor window and lifted Miss Coffey out on to the window sill, whence he lowered her to the lintel of the second story window, and from there carried her down the scaling ladder to the second story and dropped her to the porch over the main entrance, where she was received by Firemen Coleman and Coyle and Assistant Foreman Rooney. Miss Coffey was found to be severely burned.

It appears from the report that the front of this building was a very difficult one to climb with scaling ladders because of the projecting window-caps and sills, and it was reported that Fireman Sullivan incurred considerable personal risk in making the rescue.

Assistant Foreman Walter H. Jones, of Engine Company No. 31, at a fire which occurred at 3.45 A. M., on November 21, at No. 39 Baxter street, seeing a woman (Mrs. Barbara Burgess) at a window of the fifth floor of the burning building with her clothes on fire, by means of a scaling ladder reached the second story fire-escape and from thence went up the fire-escape ladders to the fifth floor, dragged the woman—who clung in terror to the window casing—to the ladder of the escape, helped her down to the second floor, at the same time tearing her burning clothing from her, and from the second story brought her to the street.

This, in the opinion of his superior officers, was accomplished at great personal risk, the fire at the time burning on the third and fourth floors and threatening at any moment to cut off his escape.

Life Saving Corps and School of Instruction.

The company drills and instruction, commenced in 1888, 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. 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 20, 24, 25, 27, 29, 30, 31, 32, 33, 34, 35, 38, 39, 53, 55, and Hook and Ladder Companies Nos. 1, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 20 and 21.

Second Class—Found deficient: Engine Companies Nos. 1, 6, 9, 10, 11, 15, 16, 19, 21, 22, 23, 26, 28, 36, 37, 40, 41, 44, 47, 54, 56, and Hook and Ladder Companies Nos. 4, 17, 18 and 22.

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—August 22, explosion at Nos. 68 to 78 Park place .....	..	63	..	63
Killed or fatally injured at fires	1	43	..	44
" responding to alarms .....	..	..	..	..
Injured at fires	180	104	..	284
" responding to alarms	65	2	..	67
Aggregate	246	212	..	458

Strength of Uniformed Force, Number of Fires, with Losses, Population, Number of Buildings etc., from 1866 to 1891.

YEAR.	STRENGTH OF UNIFORMED FORCE.		Number of Fires.	Loss by Fire.	Average Loss per 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	†769,553	967	†64,000	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	2,735 48	.....	.....	.....	..
1874.....	64	8712	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	†84,200	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	727	1,654	1,884,505 00	1,139 36	.....	.....	.....	..
1879.....	64	729	1,551	5,671,580 00	3,656 72	.....	.....	.....	..
1880.....	65	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	.....	.....	112,624	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	3,789,283 00	1,528 55	.....	.....	1104,250	42
1886.....	71	951	2,415	3,340,810 00	1,383 35	.....	.....	.....	..
1887.....	74	960	2,929	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	§§ 115,011	33
1891.....	79	1,072	3,938	6,959,650 00	1,767 31	.....	.....	§§ 115,379	29
Total 26 years.....	..	.....	48,847	\$102,519,340 00	\$2,098 78	.....	.....	.....	..

* 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 per enumeration.

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

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

§§ As per enumeration. Sheds included.

BUREAU OF FIRE MARSHAL.
Losses and Insurance.

	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	YEAR.
Estimated loss (insured and uninsured)—													
On buildings and vessels.....	\$204,241 00	\$58,336 00	\$501,190 00	\$179,363 00	\$101,098 00	\$96,746 00	\$182,885 00	\$121,409 00	\$93,141 00	\$112,441 00	\$85,542 00	\$83,544 00	\$1,819,936 00
On contents.....	535,694 00	188,026 00	1,550,683 00	358,035 00	386,584 00	256,153 00	393,173 00	355,757 00	501,649 00	119,989 00	293,240 00	199,731 00	5,139,714 00
Total.....	\$740,935 00	\$246,362 00	\$2,051,873 00	\$537,398 00	\$487,682 00	\$352,899 00	\$576,058 00	\$477,166 00	\$594,790 00	\$232,430 00	\$378,782 00	\$283,275 00	\$6,959,650 00
Estimated insurance—													
On buildings and vessels.....	\$5,223,700 00	\$3,350,521 00	\$5,772,350 00	\$4,776,113 00	\$4,042,433 00	\$4,444,100 00	\$4,455,382 00	\$3,765,350 00	\$3,800,418 00	\$4,365,715 00	\$4,422,700 00	\$4,602,300 00	\$53,021,082 00
On contents.....	2,357,824 00	855,700 00	4,129,825 00	2,029,104 00	2,654,365 00	4,183,413 00	2,341,898 00	1,169,140 00	2,528,756 00	1,761,503 00	1,900,475 00	1,880,203 00	27,792,216 00
Total.....	\$7,581,524 00	\$4,206,221 00	\$9,902,175 00	\$6,805,217 00	\$6,696,798 00	\$8,627,513 00	\$6,797,280 00	\$4,934,490 00	\$6,329,174 00	\$6,127,218 00	\$6,323,175 00	\$6,482,503 00	\$80,813,298 00
Estimated uninsured loss—													
On buildings and vessels.....	\$39,337 00	\$5,685 00	\$35,322 00	\$74,437 00	\$2,305 00	\$1,110 00	\$10,491 00	\$21,435 00	\$3,197 00	\$22,530 00	\$2,420 00	\$2,114 00	\$220,383 00
On contents.....	101,007 00	22,044 00	97,169 00	77,791 00	12,879 00	11,003 00	38,455 00	61,322 00	41,286 00	19,630 00	15,263 00	6,652 00	504,501 00
Total.....	\$140,344 00	\$27,729 00	\$132,501 00	\$152,228 00	\$15,184 00	\$12,113 00	\$48,946 00	\$82,757 00	\$44,483 00	\$42,160 00	\$17,683 00	\$8,766 00	\$724,884 00
Average loss per fire.....	\$2,118 62	\$744 72	\$6,017 22	\$1,520 90	\$1,447 12	\$1,056 58	\$1,477 07	\$1,916 33	\$2,252 99	\$724 08	\$1,214 04	\$759 45	\$1,767 31

Extent of Loss at Fires.

	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPT.	OCTOBER.	NOV.	DEC.	YEAR.	PERCENTAGE TO WHOLE NUMBER OF FIRES.	LOSS LESS THAN—
Nominal or less than \$10.....	119	86	121	132	109	123	126	86	105	112	113	121	1,353	.34	
Between \$10 and \$50.....	81	90	69	91	92	99	128	63	86	73	59	91	1,022	.26	\$50 at 2,375 fires.
" " 50 " 100.....	30	34	45	33	37	31	32	27	17	31	31	40	388	.09	100 at 2,763 "
" " 100 " 1,000.....	80	77	67	73	63	51	65	52	35	79	73	80	795	.20	1,000 at 3,558 "
" " 1,000 " 5,000.....	21	23	23	16	24	13	30	13	15	17	21	28	244	.06	5,000 at 3,802 "
" " 5,000 " 10,000.....	5	5	5	4	5	6	2	3	2	4	7	6	54	.01	10,000 at 3,856 "
" " 10,000 " 20,000.....	1	1	4	3	2	6	3	1	1	3	2	4	31	..	20,000 at 3,887 "
" " 20,000 " 30,000.....	2	..	2	1	2	2	1	..	..	..	4	2	16	..	30,000 at 3,903 "
" " 30,000 " 40,000.....	1	..	1	..	1	2	..	..	1	..	..	..	6	..	40,000 at 3,909 "
" " 40,000 " 50,000.....	1	1	..	..	..	..	1	..	..	1	..	..	4	..	50,000 at 3,913 "
" " 50,000 " 60,000.....	..	..	..	..	1	1	..	1	..	1	1	1	6	..	60,000 at 3,919 "
" " 60,000 " 70,000.....	..	1	..	..	..	..	..	..	..	..	..	..	1	..	70,000 at 3,920 "
" " 70,000 " 80,000.....	1	..	1	..	..	..	..	1	..	..	1	..	4	..	80,000 at 3,924 "
" " 80,000 " 90,000.....	..	..	..	..	..	..	..	1	..	..	..	..	1	..	100,000 at 3,925 "
" " 90,000 " 100,000.....	1	..	1	..	..	..	1	..	..	..	..	..	3	..	125,000 at 3,928 "
" " 100,000 " 125,000.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	150,000 at 3,929 "
" " 125,000 " 150,000.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	200,000 at 3,932 "
" " 150,000 " 200,000.....	..	..	..	..	1	..	1	..	1	..	..	..	3	..	250,000 at 3,935 "
" " 200,000 " 250,000.....	..	..	..	..	..	..	..	1	..	..	..	..	1	..	300,000 at 3,936 "
" " 250,000 " 300,000.....	..	..	..	1	..	..	..	..	..	..	..	..	1	..	400,000 at 3,937 "
" " 300,000 " 1,000,000.....	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1,500,000 at 3,938 "
Total.....	345	318	341	354	337	334	390	249	264	321	312	373	3,938	..	

Origin and Cause of Fires.

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, etc.	Vessels.	Miscellaneous.		Total.
<i>In Heating.</i>																						
Beams built into chimneys and fireplaces.....	..	..	8	..	..	..	..	8	5	3	..	..	..	..	..	..	..	..	..	..	..	8
	..	..	\$1,610	..	..	..	..	\$1,610	\$1,360	\$250	..	..	..	..	..	..	..	..	..	..	..	..
Chimneys, fireplaces, flues, grates, etc.....	1	175	72	..	..	..	..	74	51	9	10	1	..	..	..	2	..	..	..	..	..	74
	..	\$175	\$39,766	..	..	..	..	\$40,141	\$26,966	\$2,905	\$9,445	\$300	\$260	..	..	..	\$365	..	..	..	..	..
Foul chimneys.....	..	205	..	..	..	..	..	205	180	9	5	1	8	..	1	..	1	..	..	..	..	205
	..	\$203	..	..	..	..	..	\$203	\$163	..	\$23	..	\$15	..	..	..	..	..	..	..	..	..
Kerosene oil and benzine used in lighting fires.....	..	1	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1
	..	\$225	..	..	..	..	..	\$225	..	..	\$225	..	..	..	..	..	..	..	..	..	..	..
Matches, tapers, etc., used in starting fires, igniting merchandise, etc.....	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1
	..	\$1,060	..	..	..	..	..	\$1,060	\$1,060	..	..	..	..	..	..	..	..	..	..	..	..	..
Soot in flues and fireplaces igniting woodwork.....	1	56	..	..	..	..	..	57	48	3	4	1	1	..	..	..	..	..	..	..	..	57
	..	\$9,760	..	..	..	..	..	\$9,760	\$8,874	\$285	\$560	\$40	\$1	..	..	..	..	..	..	..	..	..
Sparks from stoves, chimneys, stove-pipes, etc., igniting woodwork, clothing, etc....	22	23	..	..	..	..	..	51	33	3	13	1	1	..	..	..	..	..	..	..	..	51
	\$14,140	\$7,982	..	..	..	..	..	\$22,122	\$5,469	\$60	\$16,593	..	..	..	..	..	..	..	..	..	..	..
Steam-pipes igniting floor beams, woodwork, etc.....	5	..	..	..	..	..	..	5	1	1	1	1	1	..	..	..	..	..	..	..	..	5
	\$33,825	..	..	..	..	..	..	\$33,825	\$28,550	\$5,075	\$150	..	\$50	..	..	..	..	..	..	..	..	..
Stoves, boilers, furnaces, stove and heater pipes igniting bedding, clothing, woodwork, etc.....	71	97	..	..	..	..	..	168	111	18	17	2	10	..	1	1	1	3	2	2	168	..
	\$10,558	\$33,156	..	..	..	..	..	\$52,714	\$21,552	\$23,547	\$4,370	\$627	\$923	..	\$10	..	\$250	\$5	\$1,100	\$155	\$175	..

ORIGIN.	CAUSE.								PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—														Aggregate Loss to Structures and Contents.
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischivousness.	Maliciousness.	Incendiarism.	Not ascertained.	Total.	Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Storehouses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Piers, Docks, etc.	Vessels.	Miscellaneous.	Total.	
Stoves, furnaces and grates, hot coals falling from.....	32 \$11,840	6 \$2,755	38 \$14,595	28 \$6,488	3 \$1,252	5 \$3,425	1 \$3,430	..	38 \$14,595	
Stove upsetting	1 \$10	1 \$10	1 \$10	1 \$10	
Total number of fires..	133	396	80	609	459	49	56	7	22	..	2	..	4	1	3	3	3	609	
Total loss.....	\$79,373	\$55,316	\$41,576	\$176,265	\$100,492	\$33,374	\$34,793	\$867	\$1,249	..	\$10	..	\$615	\$5	\$1,100	\$155	\$3,605	..	\$176,265
In Illuminating.																							
Electric-lights, sparks from..	57 \$24,106	1 \$10	58 \$24,116	8 \$2,463	26 \$7,372	5 \$1,346	6 \$12,430	5 \$495	4 \$40	1 \$490	..	3 \$10	58 \$24,116	
Gas, explosion of.....	1 \$155	1 \$155	1 \$155	1 \$155	
Gas escaping and igniting....	57 \$7,506	35 \$2,955	1 \$5	93 \$10,466	55 \$5,519	11 \$430	16 \$1,951	..	5 \$1,805	6 \$761	93 \$10,466	
Gas-lights, candles, lamps, etc., igniting merchandise in stores, show-windows, and bedding, straw, woodwork, rubbish, etc.....	39 \$60,680	340 \$73,763	1 \$115	..	380 \$134,558	284 \$98,060	44 \$29,882	17 \$3,671	2 \$300	10 \$272	..	4 \$262	9 \$40	6 \$1,580	..	1 \$490	..	3 \$1	380 \$134,558	
Lamps, gasoline, taking fire, exploding, etc.....	3 \$215	1 \$200	..	..	..	..	..	4 \$415	..	2 \$215	..	..	..	..	..	..	..	..	..	2 \$200	4 \$415
Lamps, kerosene-oil, breaking	7 \$166	3 \$60	2 \$60	10 \$229	10 \$229	1 \$229	229 \$229	
Lamps, kerosene-oil, exploding.....	243 \$48,426	1 \$1,475	..	..	..	..	..	244 \$49,901	225 \$43,521	7 \$2,980	5 \$600	1 \$20	..	..	1 \$900	1 \$10	..	..	2 \$1,750	2 \$60	244 \$49,901
Lamps, kerosene-oil, falling..	60 \$8,139	19 \$1,513	..	..	..	..	..	79 \$9,652	72 \$6,248	2 \$2,702	4 \$690	..	..	..	1 \$12	..	..	..	..	..	79 \$9,652
Lamps, kerosene-oil, upsetting	27 \$11,750	31 \$6,832	..	..	..	..	..	58 \$18,582	53 \$10,022	1 \$2,150	1 \$2,500	..	..	..	2 \$3,800	..	..	..	1 \$110	..	58 \$18,582
Lamps, kerosene-oil, taking fire.....	11 \$280	..	..	..	..	..	..	11 \$280	9 \$260	..	2 \$20	..	..	..	..	..	..	..	..	..	11 \$280
Matches, lighted tapers, etc., igniting clothing, woodwork, rubbish, etc.....	11 \$3,647	211 \$84,263	..	..	..	..	..	222 \$87,910	160 \$21,956	34 \$30,501	14 \$33,326	..	2 \$165	..	7 \$1,910	2 \$27	1 \$27	..	..	2 \$25	222 \$87,910
Total number of fires..	516	639	..	1	3	1	..	1,160	877	127	64	9	22	..	15	16	7	..	2	3	18	1,160	
Total loss.....	\$165,070	\$171,011	..	\$3	\$65	\$115	..	\$336,264	\$188,433	\$76,232	\$44,164	\$12,750	\$2,737	..	\$6,884	\$50	\$1,607	..	\$490	\$1,860	\$1,057	..	\$336,264
In Manufacturing and Other Business.																							
Alcohol, tar, gum, oils, paints, varnish, etc., igniting on stoves, furnaces, over gas-lights, etc.....	32 \$24,803	7 \$7,340	..	..	..	..	..	39 \$32,143	1 \$7,880	6 \$24,113	20 \$110	1 \$110	..	..	..	..	..	..	1 \$40	4 \$39	39 \$32,143
Charcoal fire igniting woodwork.....	1 \$70	..	..	..	..	..	..	1 \$70	..	..	..	..	..	..	..	..	..	..	..	1 \$70	1 \$70
Chemicals, explosion of.....	2 \$175	..	..	..	..	..	..	2 \$175	..	..	2 \$175	..	..	..	..	..	..	..	..	..	2 \$175
Chimneys, flues, etc., heat from, igniting woodwork...	..	..	4 \$265	..	..	..	..	4 \$265	..	1 \$60	3 \$205	..	..	..	..	..	..	..	..	..	4 \$265
Electricity applied to machinery.....	1 \$46,000	..	..	..	..	..	..	1 \$46,000	..	..	1 \$46,000	..	..	..	..	..	..	..	..	..	1 \$46,000
Foul chimneys.....	..	10	..	..	..	..	..	10	1	6	3	..	..	..	..	..	..	..	..	..	10
Friction of machinery.....	17 \$174,160	..	..	..	..	..	..	17 \$174,160	..	2 \$22,975	14 \$26,185	..	..	1 \$125,000	..	..	..	..	..	..	17 \$174,160
Gas stoves, gas-lights, igniting woodwork, paper, merchandise, etc.....	7 \$6,000	1 \$1,800	..	..	..	..	..	8 \$7,800	..	1 \$25	4 \$6,600	..	3 \$1,175	..	..	..	..	..	..	..	8 \$7,800
Gasoline, explosion of.....	1 \$185	..	..	..	..	..	..	1 \$185	..	..	..	..	1 \$185	..	..	..	..	..	..	..	1 \$185
Hams, meats, etc., in ovens and smoke-houses igniting.....	4 \$1,405	..	..	..	..	..	..	4 \$1,405	..	2 \$275	2 \$1,130	..	..	..	..	..	..	..	..	..	4 \$1,405
Heat from a drying machine.	1 \$57,750	..	..	..	..	..	..	1 \$57,750	..	..	1 \$57,750	..	..	..	..	..	..	..	..	..	1 \$57,750
Hot metals igniting woodwork, merchandise, etc....	4 \$1,560	1 \$1,560	..	..	..	..	..	5 \$1,560	1 \$1,560	1 \$35	3 \$1,520	..	..	..	..	..	..	..	..	..	5 \$1,560
Kerosene-oil stoves bursting, taking fire, etc.....	1 \$55	1 \$9,300	..	..	..	..	..	2 \$9,355	..	1 \$9,300	1 \$55	..	..	..	..	..	..	..	..	..	2 \$9,355
Lime, slaking of.....	2 \$125	..	..	..	..	..	..	2 \$125	2 \$125	..	..	..	..	..	..	..	..	..	..	..	2 \$125
Naphtha and benzine vapor igniting	20 \$301,295	9 \$2,310	..	..	..	..	..	29 \$303,605	1 \$4,710	8 \$298,795	19 \$298,795	..	..	..	..	1 \$100	..	..	..	..	29 \$303,605
Sulphur igniting in handling..	..	1	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1
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 \$198,923	18 \$7,335	156 \$206,258	14 \$5,616	57 \$1,340	42 \$18,026	3 \$42	18 \$264	..	2 \$3,000	3 \$400	4 \$177,030	13 \$540	156 \$206,258	
Steam-pipes igniting merchandise.....	3 \$230,800	..	..	..	..	..	..	3 \$230,800	..	..	2 \$230,500	..	..	..	..	..	..	..	1 \$300	..	3 \$230,800
Spontaneous combustion of oily rags, dyed silk, chemicals, etc.....	16 \$1,602,702	44 \$120,645	..	..	..	..	..	60 \$1,723,347	4 \$6,085	13 \$1,495,159	39 \$189,025	2 \$135	..	1 \$32,943	..	..	..	..	..	..	60 \$1,723,347
Stoves, boilers, furnaces, ovens, etc., igniting merchandise, shavings, etc....	26 \$7,627	21 \$14,500	..	..	..	..	..	47 \$22,127	13 \$12,460	1 \$300	21 \$4,965	10 \$10	5 \$2,460	..	..	..	..	..	4 \$1,930	2 \$2	47 \$22,127
Stoves, furnaces, etc., hot coals falling from.....	21 \$268,381	4 \$1,360	..	..	..	..	..	25 \$269,741	7 \$943	..	10 \$3,812	..	4 \$505	1 \$264,476	..	..	..	..	..	3 \$5	25 \$269,741
Vitriol, acids, spirits, etc., carboys of, breaking, or vapor igniting.....	1 \$573	..	..	..	..	..	..	1 \$573	..	..	..	..	..	..	..	..	..	..	..	1 \$573	1 \$573
Total number of fires..	298	118	4	420	44	94	190	7	40	3	2	2	1	..	3	10	24	420	
Total loss	\$2,922,589	\$164,590	\$265	\$3,087,444	\$25,229	\$1,542,059	\$908,861	\$187	\$4,699	\$422,419	\$3,000	..	\$100	..	\$400	\$179,300	\$1,190	..	\$3,087,444
Miscellaneous.																							
Alcohol lamp igniting window curtains.....	1 \$55	..	..	..	..	..	..	1 \$55	1 \$55	..	..	..	..	..	..	..	..	..	..	..	1 \$55
Alcohol stove taking fire....	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1

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, etc.	Vessels.	Miscellaneous.	Total.	
Benzine, gasoline vapor igniting	3 \$275	5 \$2,583	..	..	..	..	..	8 \$2,858	6 \$258	1 \$90	..	..	1 \$2,500	..	..	..	..	..	..	..	..	8 ..	\$2,858
Beam built into flue igniting ..	..	..	85	..	..	..	..	85	2 \$85	..	..	..	..	..	..	..	..	..	..	..	..	2 ..	85
Bonfires .....	..	..	..	52 \$2,583	..	..	..	52 \$2,583	3 \$247	..	600	..	..	..	3 \$1,300	..	..	..	2 ..	..	42 \$436	52 ..	2,583
Cigars, pipes, etc., smoking of ..	3 ..	296 \$474,533	..	..	1 \$75	..	..	300 \$474,608	110 \$21,783	57 \$10,098	48 \$49,818	11 \$33,170	26 \$1,140	2 ..	22 \$6,087	3 \$350,246	1 \$15	..	5 \$315	2 \$170	13 \$266	300 ..	474,608
Defective flues and chimneys ..	1 \$5	..	..	..	..	..	..	1 \$5	..	..	..	..	1 \$5	..	..	..	..	..	..	..	..	1 ..	5
Explosion of bomb.....	..	..	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	1	.....
Fat, glue, varnish, etc., taking fire on stoves, etc.....	38 \$506	1	..	..	..	..	..	39 \$506	36 \$449	..	2 \$57	..	..	..	..	..	1	..	..	..	..	39 ..	506
Firecrackers.....	..	53 \$1,068	..	23 \$10,668	..	..	..	76 \$11,736	22 \$1,691	36 \$5,695	3 \$145	10 \$3,825	13 \$75	2 \$45	..	..	1 \$250	..	1	..	1 ..	76 ..	11,736
Fireworks, rockets, etc.....	3 \$190	27 \$765	..	1	..	..	..	31 \$955	19 \$750	7 \$140	2 \$55	..	..	..	..	..	1 \$10	1	..	..	1 ..	31 ..	955
Foul chimneys.....	..	22 \$40	..	..	..	..	..	22 \$40	22 \$40	..	..	..	..	..	..	..	..	..	..	..	..	22 ..	40
Gas-lights, cigar lights, gas and kerosene stoves, setting fire to goods, curtains, etc.	7 \$3,697	9 \$1,810	..	..	..	..	..	16 \$5,507	14 \$3,495	..	2 \$2,012	..	..	..	..	..	..	..	..	..	..	16 ..	5,507
Hot ashes igniting woodwork ..	..	26 \$37,357	..	..	..	..	..	26 \$37,357	10 \$455	3 \$25,850	6 \$11,050	1	2	..	..	..	..	1	..	..	3 ..	26 ..	37,357
Hot smoothing-iron setting fire to clothing.....	1 \$125	..	..	..	..	..	..	1 \$125	1 \$125	..	..	..	..	..	..	..	..	..	..	..	..	1 ..	125
Kerosene oil poured over woodwork, carpet, etc., and ignited .....	..	..	..	..	1 \$20	5 \$925	..	6 \$945	6 \$945	..	..	..	..	..	..	..	..	..	..	..	..	6 ..	945
Kerosene-oil lamp falling on stove, oil igniting.....	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	.....
Kerosene-oil stoves exploding ..	4 \$337	..	..	..	..	..	..	4 \$337	4 \$337	..	..	..	..	..	..	..	..	..	..	..	..	4 ..	337
Kerosene-oil stoves falling ..	20 \$3,986	21 \$939	..	..	..	..	..	41 \$4,925	41 \$4,925	..	..	..	..	..	..	..	..	..	..	..	..	41 ..	4,925
Kerosene-oil stoves taking fire.....	82 \$8,423	..	..	..	..	..	..	82 \$8,423	77 \$7,793	3 \$280	2 \$350	..	..	..	..	..	..	..	..	..	..	82 ..	8,423
Lighted paper setting fire to window curtain .....	..	1 \$12	..	..	..	..	..	1 \$12	1 \$12	..	..	..	..	..	..	..	..	..	..	..	..	1 ..	12
Lightning igniting building ..	2 \$600	..	..	..	..	..	..	2 \$600	1 \$400	..	1 \$200	..	..	..	..	..	..	..	..	..	..	2 ..	600
Matches, children playing with.....	..	..	..	137 \$18,058	..	..	..	137 \$18,058	133 \$18,026	..	1	..	..	..	1 \$20	..	..	..	..	..	..	137 ..	18,058
Matches gnawed by rats and mice .....	..	69 \$175,094	..	..	..	..	..	69 \$175,094	23 \$9,030	23 \$133,260	16 \$29,123	2 \$500	2 \$85	..	2 \$3,095	..	..	..	..	..	..	69 ..	175,094
Matches igniting awnings, straw, rubbish, woodwork, etc.....	50 \$46,313	247 \$219,327	..	62 \$2,645	15 \$247	27 \$14,957	..	401 \$283,489	243 \$50,516	53 \$183,951	41 \$35,809	2 \$75	3 \$51	17 \$50	2 \$60	1 \$30	..	3 \$30	1 \$30	34 \$326	401 ..	283,489	
Not ascertained .....	..	..	..	..	..	..	350 \$2,181,459	350 \$2,181,459	166 \$138,846	72 \$702,904	62 \$1,061,468	3 \$24,700	9 \$15,617	2 \$102,700	26 \$72,792	3 \$1,115	1 \$15	..	..	300 \$4	350 ..	2,181,459	
Rekindling of previous fire..	..	13 \$600	..	..	..	..	..	13 \$600	3 \$75	6 \$525	2	..	..	..	..	..	..	..	..	..	..	13 ..	600
Rubbish, etc., igniting .....	..	3 \$345	..	..	..	..	..	3 \$345	2 \$325	..	1 \$20	..	..	..	..	..	..	..	..	..	..	3 ..	345
Soot ignited in fire-places and flues .....	..	6 \$615	..	..	..	..	..	6 \$615	5 \$610	1 \$5	..	..	..	..	..	..	..	..	..	..	..	6 ..	615
Sparks from other fires.....	15 \$138,586	..	..	..	..	..	..	15 \$138,586	2 \$430	7 \$515	4 \$18,500	..	..	1 \$119,126	1 \$15	..	..	..	..	..	..	15 ..	138,586
Sparks from chimneys, stoves, etc.	2 \$375	3 \$515	..	..	..	..	..	5 \$890	3 \$100	..	1 \$505	..	1 \$225	..	..	..	..	..	..	..	..	5 ..	890
Sparks from a toy pistol.....	1 \$110	..	..	..	..	..	..	1 \$110	1 \$110	..	..	..	..	..	..	..	..	..	..	..	..	1 ..	110
Spontaneous combustion of oily rubbish, etc.....	1 ..	12 \$7,851	..	..	..	..	..	13 \$7,851	7 \$7,781	1	2 \$20	50 \$50	..	1	..	..	..	..	..	..	..	13 ..	7,851
Stoves, furnaces, etc., hot coals falling from.....	2 \$215	1 \$15	..	..	..	..	..	3 \$230	3 \$230	..	..	..	..	..	..	..	..	..	..	..	..	3 ..	230
Stoves, stove-pipes, etc., heat from, igniting woodwork, etc.....	1 \$5	7 \$203	..	..	..	..	..	8 \$208	6 \$203	1	..	..	1 \$5	..	..	..	..	..	..	..	..	8 ..	208
Sulphur igniting clothing, carpet, etc.....	..	1 \$200	..	..	..	..	..	1 \$200	1 \$200	..	..	..	..	..	..	..	..	..	..	..	..	1 ..	200
Thawing out water-pipes with candles, lamps, lighted papers, etc.....	..	5 \$90	..	..	..	..	..	5 \$90	5 \$90	..	..	..	..	..	..	..	..	..	..	..	..	5 ..	90
Tramps building fires in woods, unoccupied houses, etc. ....	..	5 \$190	..	..	..	..	..	5 \$190	2 \$5	..	..	..	..	..	1 \$100	1 \$75	..	..	..	..	..	5 ..	190
Total number of fires ..	239	833	2	275	18	32	350	1,749	983	265	198	24	60	7	76	9	6	3	11	4	103	1,749	
Total loss.....	\$203,803	\$924,152	\$85	\$33,954	\$342	\$15,882	\$2,181,459	\$3,359,677	\$276,492	\$1,123,913	\$1,209,732	\$58,505	\$24,453	\$221,951	\$90,945	\$351,496	\$320	\$2	\$345	\$470	\$1,053	..	\$3,359,677
RECAPITULATION.																							
In Heating	No. of fires.. 133	396	80	..	..	..	..	609	459	49	56	7	22	..	2	..	4	1	3	3	3	609	..
Loss	\$79,373	\$55,316	\$41,576	..	..	..	..	\$176,265	\$100,492	\$33,374	\$34,793	\$867	\$1,249	..	\$10	..	\$615	\$5	\$1,100	\$155	\$3,605	..	\$176,265
In Illuminating	No. of fires.. 516	639	..	1	3	1	..	1,160	877	127	64	9	22	..	15	16	7	..	2	3	18	1,160	..
Loss	\$165,070	\$171,011	..	\$3	\$65	\$115	..	\$336,264	\$188,433	\$76,232	\$44,164	\$12,750	\$2,737	..	\$6,884	\$50	\$1,607	..	\$490	\$1,860	\$1,057	..	\$336,264
In Manufactur- ing, etc.....	No. of fires.. 298	118	4	..	..	..	..	420	44	94	190	7	40	3	2	2	1	..	3	10	24	420	..
Loss	\$2,922,589	\$164,590	\$265	..	..	..	..	\$3,087,444	\$25,229	\$1,542,059	\$908,861	\$187	\$4,699	\$422,419	\$3,000	..	\$100	..	\$400	\$179,300	\$1,190	..	\$3,087,444
In Miscellaneous	No. of fires.. 239	833	2	275	18	32	350	1,749	983	265	198	24	60	7	76	9	6	3	11	4	103	1,749	..
Loss	\$203,803	\$924,152	\$85	\$33,954	\$342	\$15,882	\$2,181,459	\$3,359,677	\$276,492	\$1,123,913	\$1,209,732	\$58,505	\$24,453	\$221,951	\$90,945	\$351,496	\$320	\$2	\$345	\$470	\$1,053	..	\$3,359,677
Aggregate	No. of fires.. 1,186	1,986	86	276	21	33	350	3,938	2,363	535	508	47	144	10	95	27	18	4	19	20	148	3,938	..
Loss	\$3,370,835	\$1,315,069	\$41,926	\$33,957	\$407	\$15,997	\$2,181,459	\$6,959,650	\$590,646	\$2,775,578	\$2,197,550	\$72,309	\$33,138	\$644,370	\$100,839	\$351,546	\$2,642	\$7	\$2,335	\$181,785	\$6,905	..	\$6,959,650

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	3	..	5	1	3	..	4	..	3	..	3	2	12	..	14	5	21	..	26	\$22,021	\$40,480	\$62,501
February.....	..	2	..	2	..	4	..	4	..	1	..	1	2	7	..	9	2	14	..	16	12,882	90,460	103,342
March.....	2	4	..	6	3	3	..	6	..	1	1	2	1	9	..	10	6	17	1	24	132,071	116,245	248,316
April.....	1	2	..	3	1	3	..	4	..	4	2	6	1	6	2	9	3	15	4	22	1,235	9,292	10,527
May.....	..	2	..	2	1	..	..	1	..	2	1	3	2	10	1	13	3	14	2	19	15,717	21,070	36,787
June.....	..	1	..	1	1	2	..	3	..	5	..	5	1	4	..	5	2	12	..	14	7,030	55,183	62,213
July.....	..	..	..	..	..	4	..	4	..	2	..	2	4	9	..	13	4	15	..	19	2,515	12,980	15,495
August.....	..	..	..	..	3	..	..	3	..	6	..	6	2	6	..	8	5	12	..	17	31,685	60,320	92,005
September.....	2	..	..	2	..	3	..	3	..	5	1	6	2	4	..	6	4	12	1	17	67,890	423,344	491,234
October.....	..	5	..	5	1	5	..	6	..	5	1	6	1	2	3	6	2	17	4	23	8,622	26,205	34,827
November.....	1	1	1	3	..	6	..	6	..	6	..	6	2	7	..	9	3	20	1	24	4,845	40,763	45,608
December.....	2	5	..	7	6	2	..	8	..	6	..	6	..	9	1	10	8	22	1	31	43,231	100,443	143,674
Total.....	10	25	1	36	17	35	..	52	..	46	6	52	20	85	7	112	47	191	14	252	\$349,744	\$996,785	\$1,346,529

Number of buildings in district, enumeration of 1890—
Dwellings..... 924
Business..... 2,781
Total..... 3,705

Number of fires in dwellings..... 47
Number of fires in business buildings..... 191
Total fires in buildings..... 238
Average loss per fire, \$5,343.37. Average loss per building, \$363.44.

Number of dwellings to each fire..... 20
Number of business places to each fire..... 15
Number of buildings to each fire..... 16

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.....	1	..	..	1	1	1	..	2	..	1	1	2	3	1	..	4	5	3	1	9	\$15,901	\$55,974	\$71,875
February.....	..	..	..	..	2	1	1	4	..	1	..	1	3	2	..	5	5	4	1	10	3,045	5,185	8,230
March.....	3	1	..	4	..	2	..	2	..	..	..	..	..	3	..	3	3	6	..	9	3,525	107,947	111,472
April.....	1	2	..	3	2	1	..	3	..	3	..	3	1	2	..	3	4	8	..	12	5,100	8,135	13,235
May.....	1	2	..	3	2	1	..	3	..	3	..	3	1	6	..	7	4	12	..	16	11,010	198,395	209,405
June.....	1	..	..	1	3	1	..	4	..	1	..	1	1	2	..	3	5	4	..	9	895	28,670	29,565
July.....	..	..	..	..	3	1	..	4	..	3	..	5	4	6	1	11	7	10	1	18	2,790	6,212	9,002
August.....	..	..	..	..	3	3	..	6	..	..	..	..	6	1	..	7	9	4	..	13	111	1,036	1,147
September.....	1	2	..	3	4	..	..	4	..	..	..	..	..	2	..	2	5	4	..	9	565	700	1,265
October.....	..	1	..	1	..	1	..	1	1	4	..	5	3	2	5	10	4	8	5	17	3,705	4,470	8,175
November.....	2	1	..	3	2	1	..	3	..	1	..	1	2	3	5	10	6	6	5	17	11,510	68,574	80,084
December.....	..	2	..	2	2	..	1	3	..	1	1	2	1	3	1	5	3	6	3	12	890	3,335	4,225
Total.....	10	11	..	21	24	13	2	39	1	18	2	21	25	33	12	70	60	75	16	151	\$59,047	\$488,633	\$547,680

Number of buildings in district, enumeration of 1890—
Dwellings..... 2,264
Business..... 830
Total..... 3,094

Number of fires in dwellings..... 60
Number of fires in business buildings..... 75
Total fires in buildings..... 135
Average loss per fire, \$3,627.02. Average loss per building, \$1,770.13.

Number of dwellings to each fire..... 38
Number of business places to each fire..... 11
Number of buildings to each fire..... 23

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

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	..	1	..	1	..	2	..	2	..	2	..	2	..	5	..	5	..	10	..	10	\$1,225	\$18,660	\$19,885
February.....	..	1	..	1	..	..	..	..	..	..	..	..	..	2	..	2	..	3	..	3	1,000	10,650	11,650
March.....	..	1	..	1	..	..	..	..	..	..	..	..	..	6	..	6	..	7	..	7	1,465	10,558	12,023
April.....	1	1	2	..	..	..	..	..	4	..	4	..	5	1	6	610	5,570	6,180
May.....	6	..	6	..	6	..	6	850	4,150	5,000
June.....	1	..	1	..	..	..	..	..	5	..	5	..	6	..	6	1,500	21,625	23,125
July.....	2	5	..	7	2	5	..	7	940	5,170	6,110
August.....	3	..	3	..	3	..	3	5,800	88,250	94,050
September.....	1	..	1	..	4	..	4	..	5	..	5	800	4,085	4,885
October.....	1	1	2	..	1	..	1	1	1	..	2	1	3	1	5	1,500	9,535	11,035
November.....	..	1	..	1	..	..	..	..	..	..	..	..	..	4	..	5	1	5	..	6	5,710	25,500	31,210
December.....	..	1	..	1	..	..	..	..	..	..	..	..	..	5	..	5	..	6	..	6	3,050	22,315	25,365
Total.....	..	5	..	5	..	5	2	7	..	4	..	4	4	50	..	54	4	64	2	70	\$24,450	\$225,068	\$250,518

Number of buildings in district, enumeration of 1890—
Dwellings..... 254
Business..... 1,102
Total..... 1,356

Number of fires in dwellings..... 4
Number of fires in business buildings..... 64
Total fires in buildings..... 68
Average loss per fire, 3,578.83. Average loss per building, \$184.75.

Number of dwellings to each fire..... 63
Number of business places to each fire..... 17
Number of buildings to each fire..... 20

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.....	13	3	..	16	24	3	..	27	1	5	..	6	19	4	1	24	57	15	1	73	\$16,909	\$31,758	\$48,667
February.....	18	3	1	22	26	7	1	34	..	6	..	6	22	7	..	29	66	23	2	91	5,658	8,212	13,870
March.....	10	1	..	11	27	7	1	35	1	5	1	7	21	8	1	30	59	21	3	83	12,825	17,054	29,879
April.....	13	3	..	16	22	3	..	25	..	3	..	3	22	8	1	31	57	17	1	75	14,333	37,328	51,661
May.....	7	..	..	7	16	4	..	20	..	4	..	4	31	10	3	44	54	18	3	75	16,910	49,312	66,222
June.....	8	2	..	10	27	4	..	31	1	4	..	5	41	19	1	61	77	29	1	107	9,699	44,036	53,735
July.....	..	..	..	..	22	1	..	23	1	7	..	8	46	17	5	68	69	25	5	99	10,026	52,701	62,727
August.....	..	..	..	..	18	2	..	20	1	3	..	4	45	4	1	50	64	9	1	74	3,361	5,602	8,963
September.....	5	1	..	6	20	1	..	21	1	3	1	5	32	7	..	39	58	12	1	71	6,594	6,736	13,330
October.....	11	2	..	13	30	4	1	35	1	5	..	6	26	9	7	42	68	20	8	96	12,554	22,635	35,189
November.....	6	2	..	8	16	5	..	21	2	4	..	6	14	11	2	27	38	22	2	62	8,732	29,632	38,364
December.....	11	2	..	13	27	4	..	31	..	4	..	4	33	8	..	41	71	18	..	89	16,404	23,798	40,202
Total.....	102	19	1	122	275	45	3	323	9	53	2	64	352	112	22	486	738	229	28	995	\$134,005	\$328,804	\$462,809

Number of buildings in district, enumeration of 1890—
 Dwellings..... 9,194
 Business..... 2,091
 Total..... 11,285

Number of fires in dwellings..... 738
 Number of fires in business buildings..... 229
 Total fires in buildings..... 967
 Average loss per fire, \$465.13. Average loss per building, \$41.01.

Number of dwellings to each fire..... 12
 Number of business places to each fire..... 9
 Number of buildings to each fire..... 12

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.....	11	5	..	16	15	8	..	23	1	8	..	9	13	11	1	25	40	32	1	73	\$62,317	\$265,693	\$328,010
February.....	11	5	..	16	8	5	1	14	..	3	..	3	6	7	..	13	25	20	1	46	3,849	15,336	19,185
March.....	13	6	..	19	11	6	..	17	1	6	..	7	8	10	..	18	33	28	..	61	313,016	1,259,179	1,572,195
April.....	8	1	..	9	12	5	..	17	..	10	..	10	12	12	1	25	32	28	1	61	140,442	275,467	415,909
May.....	5	3	..	8	10	2	..	12	..	8	..	8	13	4	2	19	28	17	2	47	7,742	25,182	32,924
June.....	3	1	..	4	13	8	..	21	..	7	..	7	13	16	1	30	29	32	1	62	10,772	61,873	72,645
July.....	..	..	..	..	11	5	..	16	2	5	..	7	23	22	1	46	36	32	1	69	126,924	250,279	377,203
August.....	..	..	..	..	13	2	..	15	..	..	..	..	14	9	..	23	27	11	..	38	19,794	53,369	73,163
September.....	5	3	..	8	10	..	..	10	..	9	1	10	12	8	..	20	27	20	1	48	2,667	12,010	14,677
October.....	5	3	..	8	18	3	..	21	1	3	..	4	9	8	3	20	33	17	3	53	41,019	24,223	65,302
November.....	10	8	..	18	14	1	..	15	..	5	..	5	12	11	..	23	36	25	..	61	13,627	90,322	103,949
December.....	10	2	..	12	13	6	1	20	..	3	..	3	13	8	4	25	36	19	5	60	7,230	26,370	33,600
Total.....	81	37	..	118	148	51	2	201	5	67	1	73	148	126	13	287	382	281	16	679	\$749,399	\$2,359,363	\$3,108,762

Number of buildings in district, enumeration of 1890—
 Dwellings..... 15,365
 Business..... 3,875
 Total..... 19,240

Number of fires in dwellings..... 382
 Number of fires in business buildings..... 281
 Total fires in buildings..... 663
 Average loss per fire, \$4,578.44. Average loss per building, \$161.58.

Number of dwellings to each fire..... 40
 Number of business places to each fire..... 14
 Number of buildings to each fire..... 29

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.....	13	4	..	17	32	5	..	37	1	4	1	6	9	11	1	21	55	24	2	81	\$80,787	\$115,661	\$196,448
February.....	18	2	..	20	18	4	..	22	..	6	..	6	15	6	..	21	51	18	..	69	19,397	32,462	51,859
March.....	22	2	..	24	11	2	..	13	..	9	..	9	17	4	2	23	50	17	2	69	23,060	23,283	46,343
April.....	14	2	..	16	19	5	1	25	..	12	..	12	14	10	..	24	47	29	1	77	5,031	6,926	11,957
May.....	13	..	..	13	15	8	..	23	1	10	2	13	12	16	4	32	41	34	6	81	21,777	49,225	71,002
June.....	9	1	..	10	10	5	1	16	..	9	..	9	20	19	1	40	39	34	2	75	49,545	37,076	86,621
July.....	..	..	..	..	12	7	1	20	..	7	3	10	31	32	..	63	43	46	4	93	24,938	25,568	50,506
August.....	..	..	..	..	19	..	..	19	2	1	..	3	14	6	..	20	35	7	..	42	3,547	5,699	9,246
September.....	6	..	..	6	24	4	1	29	1	4	..	5	9	6	1	16	40	14	2	56	4,699	30,549	35,248
October.....	16	1	..	17	16	4	1	21	..	4	..	4	14	6	3	23	46	15	4	65	4,072	5,395	9,467
November.....	15	4	..	19	10	4	..	14	1	1	1	3	11	7	1	19	37	16	2	55	12,439	18,011	30,450
December.....	9	2	..	11	25	3	..	28	2	2	1	5	17	5	3	25	53	12	4	69	4,702	13,450	18,152
Total.....	135	18	..	153	211	51	5	267	8	69	8	85	183	128	16	327	537	266	29	832	\$253,994	\$363,305	\$617,299

Number of buildings in district, enumeration of 1890—
 Dwellings..... 21,653
 Business..... 4,491
 Total..... 26,144

Number of fires in dwellings..... 537
 Number of fires in business buildings..... 266
 Total fires in buildings..... 803
 Average loss per fire, \$741.95. Average loss per building, \$23.61.

Number of dwellings to each fire..... 40
 Number of business places to each fire..... 13
 Number of buildings to each fire..... 33

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

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	3	2	..	5	2	1	..	3	1	..	1	2	4	1	..	5	10	4	1	15	\$1,370	\$592	\$1,962
February.....	2	1	..	3	3	2	..	5	..	..	..	..	3	..	..	3	8	3	..	11	785	1,451	2,236
March.....	..	..	..	..	3	..	..	3	..	..	..	..	2	1	1	4	5	1	1	7	1,991	1,415	3,406
April.....	..	1	..	1	5	1	..	6	1	1	..	2	..	..	1	1	6	3	1	10	5,112	245	5,357
May.....	1	..	..	1	3	1	..	4	..	..	..	..	2	2	..	4	6	3	..	9	255	338	593
June.....	..	..	..	..	..	1	..	1	3	..	..	3	3	1	..	4	6	2	..	8	12,100	75	12,175
July.....	..	..	..	..	3	1	..	4	..	..	..	..	3	..	1	4	6	1	1	8	95	210	305
August.....	..	..	..	..	1	1	..	2	..	1	..	1	4	..	..	4	5	2	..	7	365	587	952
September.....	..	..	..	..	3	..	..	3	..	1	1	2	..	..	..	..	3	1	1	5	320	293	613
October.....	..	..	..	..	1	..	..	1	..	1	..	1	2	1	..	3	3	2	..	5	1,075	330	1,405
November.....	2	..	..	2	3	1	..	4	..	1	..	1	2	1	3	6	7	3	3	13	18,540	11,195	29,735
December.....	1	..	1	2	3	..	..	3	..	..	..	..	2	..	1	3	6	..	2	8	871	1,000	1,871
Total.....	9	4	1	14	30	9	..	39	5	5	2	12	27	7	7	41	71	25	10	106	\$42,879	\$17,731	\$60,610

Number of buildings in district, enumeration of 1890—			Number of fires in buildings.....			Number of dwellings to each fire.....		
Dwellings	5,696		Number of fires in business buildings.....			Number of business places to each fire.....		
Business	486							
Total.....	6,182		Total fires in buildings.....			Number of buildings to each fire.....		
			96			64		
Average loss per fire, \$571.79. Average loss per building, \$9.80.								

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

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	2	3	1	6	4	1	..	5	1	2	..	3	7	3	..	10	14	9	1	24	\$887	\$3,473	\$4,360
February.....	5	3	1	9	9	1	..	10	1	4	..	5	8	4	..	12	23	12	1	36	2,222	16,296	18,518
March.....	4	2	..	6	13	2	..	15	1	6	..	7	10	2	..	12	28	12	..	40	4,805	7,022	11,827
April.....	6	1	..	7	11	1	..	12	1	7	..	8	12	11	1	24	30	20	1	51	2,389	6,987	9,376
May.....	4	..	..	4	8	3	..	11	..	2	1	3	14	2	..	16	26	7	1	34	1,730	4,582	6,312
June.....	4	..	..	4	6	2	1	9	..	3	..	3	10	2	..	12	20	7	1	28	3,968	6,394	10,362
July.....	..	..	..	..	2	..	..	2	..	2	..	2	12	6	..	18	14	8	..	22	1,030	1,670	2,700
August.....	..	..	..	..	7	1	..	8	1	3	..	4	13	1	..	14	21	5	..	26	6,000	6,014	12,014
September.....	4	1	..	5	5	1	..	6	..	2	..	2	4	1	..	5	13	5	..	18	4,560	6,943	11,503
October.....	3	..	..	3	8	1	1	10	1	3	..	4	9	2	1	12	21	6	2	29	32,894	22,297	55,191
November.....	2	..	..	2	12	..	..	12	1	1	..	2	10	3	1	14	25	4	1	30	4,124	5,041	9,165
December.....	4	..	..	4	11	5	..	16	..	2	..	2	9	..	..	9	24	7	..	31	2,239	3,126	5,365
Total.....	38	10	2	50	96	18	2	116	7	37	1	45	118	37	3	158	259	102	8	369	\$66,848	\$90,245	\$157,093

Number of buildings in district, enumeration of 1890—
Dwellings..... 11,229
Business..... 1,697
Total..... 12,926

Number of fires in dwellings..... 259
Number of fires in business buildings..... 102
Total fires in buildings..... 361

Average loss per fire, \$425.73. Average loss per building, \$12.15.

Number of dwellings to each fire..... 43
Number of business places to each fire..... 17
Number of buildings to each fire..... 36

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

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	1	1	..	2	3	..	..	3	..	..	..	..	1	..	..	1	5	1	..	6	\$1,130	\$1,633	\$2,763
February.....	2	..	..	2	..	..	..	..	1	..	1	..	3	2	..	5	2	4	2	8	35	87	122
March.....	3	1	..	4	..	..	..	..	..	..	..	..	1	..	..	1	4	1	..	5	55	.....	55
April.....	..	..	..	..	1	..	..	1	2	1	..	3	1	1	..	2	4	2	..	6	311	825	1,136
May.....	..	..	..	..	..	..	..	..	2	..	2	..	5	4	..	9	5	6	..	11	8,271	18,030	26,301
June.....	..	2	..	2	..	..	..	..	1	..	1	..	1	1	..	1	1	3	..	4	310	525	835
July.....	..	..	..	..	..	..	..	..	2	..	2	..	1	5	..	6	1	7	..	8	4,705	5,940	10,645
August.....	..	..	..	..	..	1	..	1	..	1	..	1	..	2	..	2	..	4	..	4	205	1,025	1,230
September.....	..	..	..	..	1	..	..	1	..	1	..	1	..	..	1	1	1	1	1	3	25	.....	25
October.....	1	..	..	1	1	..	..	1	..	..	..	..	1	..	1	2	1	1	..	3	2,540	135	2,675
November.....	..	1	..	1	..	..	..	..	..	1	1	2	1	2	2	5	2	2	3	7	480	320	800
December.....	3	..	..	3	2	..	..	2	..	..	..	..	1	2	2	5	6	2	2	10	837	657	1,494
Total.....	10	5	..	15	8	1	..	9	2	9	1	12	13	10	7	39	33	34	8	75	\$18,904	\$29,177	\$48,081

Number of buildings in district, enumeration of 1890—
Dwellings..... 3,029
Business..... 1,074
Total..... 4,103

Number of fires in dwellings..... 33
Number of fires in business buildings..... 34
Total fires in buildings..... 67

Average loss per fire, \$641.03. Average loss per building, \$11.72.

Number of dwellings to each fire..... 91
Number of business places to each fire..... 32
Number of buildings to each fire..... 61

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.....	4	2	..	6	4	1	..	5	..	4	1	5	2	..	..	2	10	7	1	18	\$728	\$1,900	\$2,628
February.....	3	..	..	3	3	1	..	4	2	1	..	3	2	1	..	3	10	3	..	13	1,260	2,535	3,795
March.....	3	1	..	4	5	1	..	6	1	..	..	1	3	2	..	5	12	4	..	16	5,599	4,750	10,349
April.....	..	1	..	1	5	1	..	6	..	3	..	3	4	..	2	6	9	5	2	16	1,478	3,730	5,208
May.....	4	1	..	5	2	4	..	6	1	2	1	4	9	1	1	11	16	8	2	26	15,031	13,330	28,421
June.....	1	..	..	1	2	2	..	4	..	1	..	1	2	1	3	6	5	4	3	12	437	173	610
July.....	..	..	..	..	6	1	..	7	..	1	1	2	7	11	1	19	13	13	2	28	3,797	28,323	32,120
August.....	..	..	..	..	5	2	..	7	..	..	..	..	3	2	..	5	8	4	..	12	1,261	3,589	4,850
September.....	5	..	..	5	5	3	1	9	..	1	..	1	4	2	..	6	14	6	1	21	4,451	16,188	20,639
October.....	4	..	..	4	1	..	..	1	..	4	..	4	6	2	1	9	11	6	1	18	2,885	3,379	6,264
November.....	2	..	..	2	..	3	..	3	..	2	..	2	7	4	1	12	9	9	1	19	1,435	1,020	2,450
December.....	4	2	..	6	8	5	1	14	1	4	1	6	8	4	1	13	21	15	3	39	3,597	5,085	8,682
Total.....	30	7	..	37	46	24	2	72	5	23	4	32	57	30	10	97	138	84	16	238	\$42,019	\$84,002	\$126,021

Number of buildings in district, enumeration of 1890—
 Dwellings..... 8,718
 Business..... 1,117
 Total..... 9,835

Number of fires in dwellings..... 138
 Number of fires in business buildings..... 84
 Total fires in buildings..... 222
 Average loss per fire, \$529.50. Average loss per building, \$12.81.

Number of dwellings to each fire..... 63
 Number of business places to each fire..... 13
 Number of buildings to each fire..... 44

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

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	1	..	1	2	1	1	..	2	..	3	..	3	1	1	..	2	3	5	1	9	\$666	\$770	\$1,436
February.....	5	..	..	5	1	1	..	2	..	..	..	..	5	3	..	8	11	4	..	15	8,203	5,352	13,555
March.....	9	..	..	9	4	1	..	5	..	..	..	..	3	2	..	5	16	3	..	19	2,578	3,030	5,608
April.....	3	2	..	5	1	..	..	1	..	..	3	3	1	7	1	9	5	9	4	18	3,322	3,530	6,852
May.....	3	..	..	3	1	..	..	1	..	3	1	4	1	3	..	4	5	6	1	12	645	2,560	3,205
June.....	3	..	..	3	1	..	..	1	..	1	1	2	2	..	1	3	6	1	2	9	490	523	1,013
July.....	..	..	..	..	1	2	..	3	..	..	..	..	6	8	1	15	7	10	1	18	5,100	3,720	8,820
August.....	..	..	..	..	2	..	..	2	1	..	..	1	7	3	..	10	10	3	..	13	49,280	130,266	179,546
September.....	3	..	..	3	2	..	1	3	..	2	..	2	1	..	2	3	6	2	3	11	570	801	1,371
October.....	..	..	..	..	2	2	1	5	..	..	..	..	1	..	..	1	3	2	1	6	1,525	1,275	2,800
November.....	1	1	..	2	3	2	1	6	..	2	..	2	3	2	..	5	7	7	1	15	3,900	2,835	6,735
December.....	2	..	..	2	3	1	..	4	1	..	2	3	2	1	1	4	8	2	3	13	338	127	465
Total.....	30	3	1	34	22	10	3	35	2	11	7	20	33	30	6	69	87	54	17	158	\$76,617	\$154,789	\$231,406

Number of buildings in district, enumeration of 1890—
 Dwellings..... 9,970
 Business..... 4,429
 Total..... 14,399

Number of fires in dwellings..... 87
 Number of fires in business buildings..... 54
 Total fires in buildings..... 141
 Average loss per fire, \$1,464.59. Average loss per building, \$16.14.

Number of dwellings to each fire..... 114
 Number of business places to each fire..... 82
 Number of buildings to each fire..... 101

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

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	\$300	\$100	\$400
February.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
March.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	1	200	200	400
April.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
May.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	1	1,100	10	1,110
June.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
July.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	1	..	..	1	25	400	425
August.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
September.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
October.....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	50	50	100
November.....	1	..	..	1	..	..	..	..	..	..	..	..	..	2	2	1	1	..	2	3	200	27	227
December.....	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	4	1	1	2	4	55	.....	55
Total.....	3	..	..	3	..	..	..	..	..	..	..	..	3	2	4	9	6	2	4	12	\$1,930	\$787	\$2,717

Number of buildings in district, enumeration of 1890—
 Dwellings..... 1,308
 Business..... 1,128
 Total..... 2,436

Number of fires in dwellings..... 6
 Number of fires in business buildings..... 2
 Total fires in buildings..... 8
 Average loss per fire, \$226.42. Average loss per building, \$1.12.

Number of dwellings to each fire..... 218
 Number of business places to each fire..... 564
 Number of buildings to each fire..... 303

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.....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	\$100 00	\$25 00	\$125 00
Total.....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	\$100 00	\$25 00	\$125 00

Number of buildings in district, enumeration of 1890—

Dwellings..... 171
 Business..... 195
 Total..... 366

Number of fires in dwellings..... 1

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

Total fires in buildings..... 1
 Average loss per fire, \$125. Average loss per building, \$0.34.

Number of dwellings to each fire..... 171

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

Number of buildings to each fire..... 366

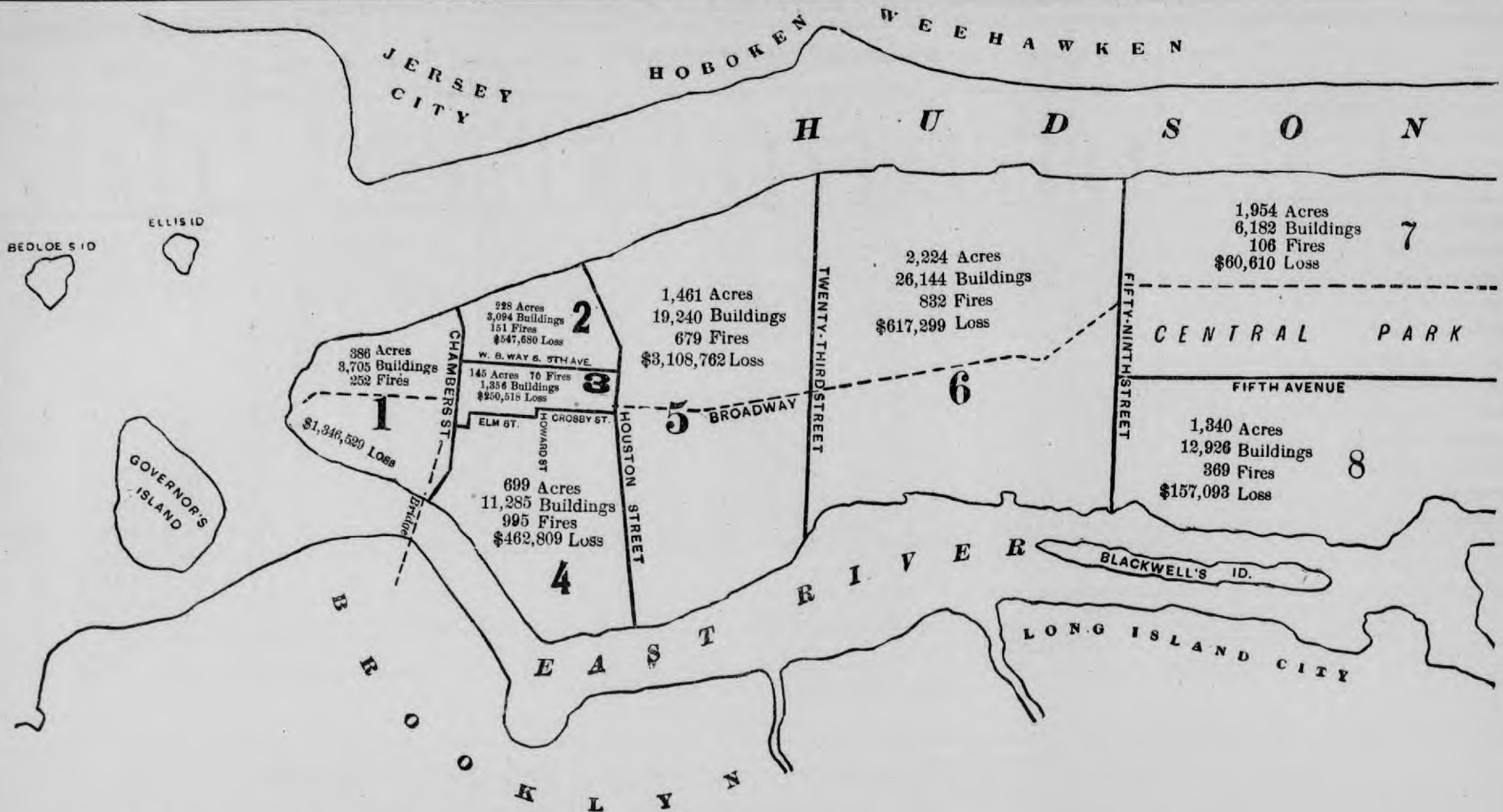
Recapitulation.

DISTRICTS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				NUMBER OF BUILDINGS, ENUMERATION OF 1890.			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.....	10	25	1	36	17	35	..	52	..	46	6	52	20	85	7	112	47	191	14	252	924	2,781	3,705	20	15	16	\$349,744	\$996,785	\$1,346,529
Second.....	10	11	..	21	24	13	2	39	1	18	2	21	25	33	12	70	60	75	16	151	2,264	830	3,094	38	11	23	59,047	488,633	547,680
Third.....	..	5	..	5	..	5	2	7	..	4	..	4	4	50	..	54	4	64	2	70	254	1,102	1,356	63	17	20	24,450	226,068	250,518
Fourth.....	102	19	1	122	275	45	3	323	9	53	2	64	352	112	22	486	738	229	28	995	9,194	2,091	11,285	12	9	12	134,005	328,804	462,809
Fifth.....	81	37	..	118	148	51	2	201	5	67	1	73	148	126	13	287	382	281	16	679	15,365	3,875	19,240	40	14	29	749,399	2,359,363	3,108,762
Sixth.....	135	18	..	153	211	51	5	267	8	69	8	85	183	128	16	327	537	266	29	832	21,653	4,491	26,144	40	13	33	253,994	363,305	617,299
Seventh.....	9	4	1	14	30	9	..	39	5	5	2	12	27	7	7	41	71	25	10	106	5,696	486	6,182	80	19	64	42,879	17,731	60,610
Eighth.....	38	10	2	50	96	18	2	116	7	37	1	45	118	37	3	158	259	102	8	369	11,229	1,697	12,926	43	17	36	66,848	90,245	157,093
Ninth.....	10	5	..	15	8	1	..	9	2	9	1	12	13	19	7	39	33	34	8	75	3,029	1,074	4,103	91	32	61	18,904	29,177	48,081
Tenth.....	30	7	..	37	46	24	2	72	5	23	4	32	57	30	10	97	138	84	16	238	8,718	1,117	9,835	63	13	44	42,019	84,002	126,021
Eleventh.....	30	3	1	34	22	10	3	35	2	11	7	20	33	30	6	69	87	54	17	158	9,910	4,429	14,339	114	82	101	76,617	154,789	231,406
Twelfth.....	3	..	..	3	..	..	..	..	..	..	..	..	3	2	4	9	6	2	4	12	1,308	1,128	2,436	218	564	303	1,930	787	2,717
Thirteenth.....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	171	195	366	171	..	366	100	25	125	
Total.....	459	144	6	609	877	262	21	1,160	44	342	34	420	983	659	107	1,749	2,363	1,407	168	3,938	89,715	25,296	115,011	38	18	31	\$1,819,936	\$5,139,714	\$6,959,650

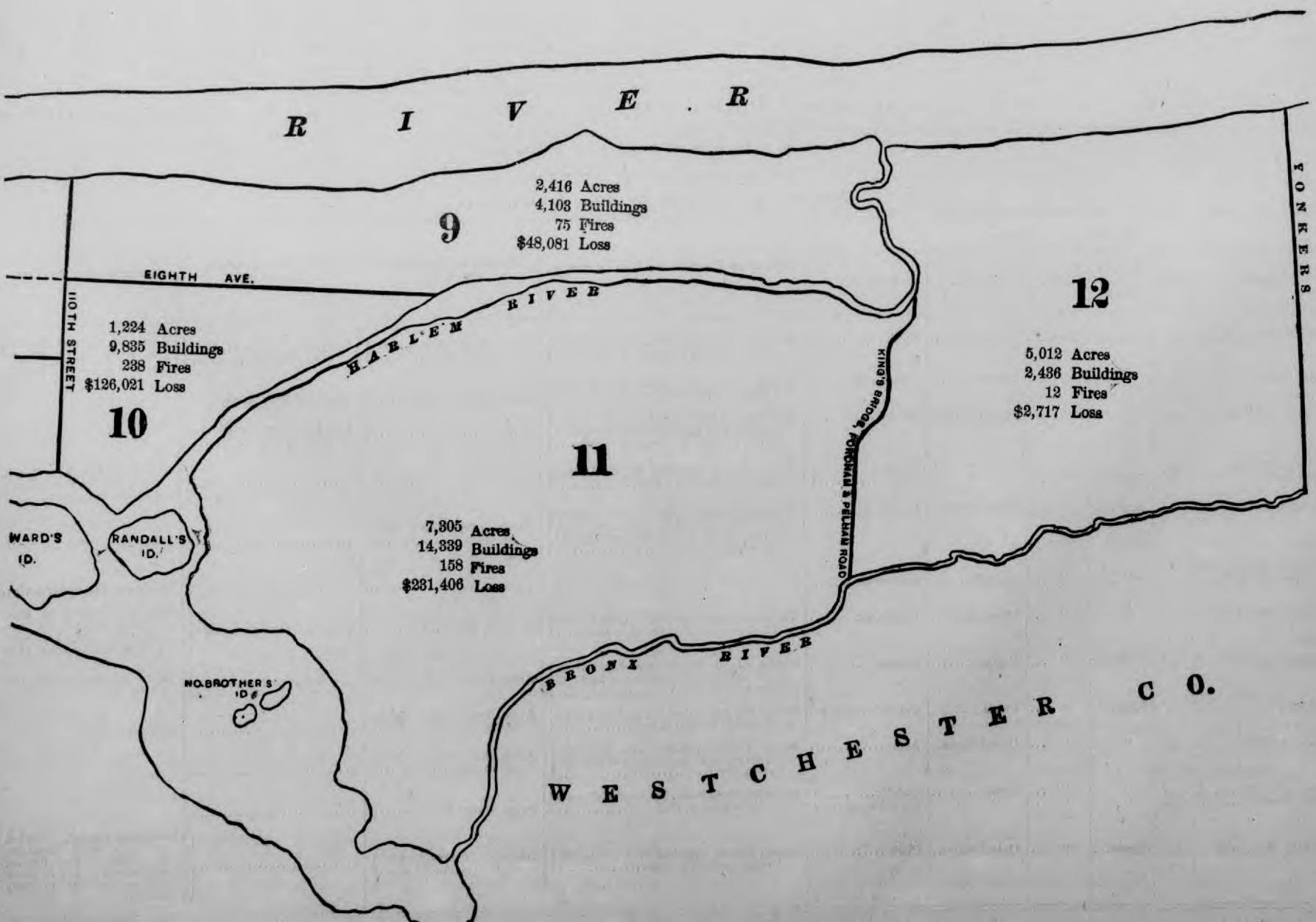
Average loss per fire, \$1,767.31. Average loss per building, \$60.51.

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.	Married or Single.	Color.	Nativity.	Occupation.				
John M. D. Fanshawe.	28	Married.	White.	United States..	Clerk.....	Setting fire to premises No. 50 East Twenty-ninth street, on February 3, 1888.....	Arson, first degree, February 21, 1888.....	Convicted, March 14, 1891, arson, first degree.....	Sentenced, General Sessions, to twelve years and six months in State Prison.
Rose Gavin.....	25	"	"	Ireland.....	Housekeeper.....	Setting fire to her rooms, No. 920 Second avenue, on February 11, 1891, at 2.27 P. M.	Arson, second degree.....	Acquitted, May 20, 1891.....	
Nathan Schwinger....	34	"	"	Poland, Russia.	Butcher.....	Setting fire to bedding in his rooms in No. 345 East One Hundred and Twenty-first street, on night of February 24, 1891....	.....	Dismissed by Grand Jury March 9, 1891.....	
Abraham Meikel.....	32	"	"	"	Peddler.....	Setting fire to premises No. 86 Ludlow street, on March 27, 1891.....	.....	.....	Discharged March 31, 1891, in Essex Market Police Court. Evidence insufficient.
Isaac Meikel.....	10	Single...	"	"	None.....	.....	.....	.....
Michael Carroll, Jr....	..	Married.	"	United States..	Livery, etc.....	Causing premises (stable) on Jerome avenue and One Hundred and Sixty-ninth street to be set on fire on night of November 4, 1890.....	Arson, first degree, March 31, 1891.....	.....	Indictment untried.
Richard Marlin, alias Richard Mallory....	..	"	"	Ireland.....	Stableman.....	"	"	.....	Discharge 1 November 6, 1891.
Michael Carroll, Jr....	..	"	"	United States..	Livery, etc.....	Violation of section 579, Penal Code of New York, presenting a fraudulent claim....	Indicted, May 27, 1891.....	Convicted, October 20, 1891	Sentenced, October 30, 1891, General Sessions, to two years and six months in Penitentiary, and to a fine of \$500.
Joseph Spellman.....	59	Widower	"	England.....	Carman.....	Setting fire to his house on Kingsbridge road and Taylor avenue, on night of July 15, 1891.....	Arson, first degree, July 29, 1891	Jury disagreed.....	Bailed and subsequently discharged.
Harris Plitt.....	26	Married.	"	Russia.....	Tailors' trimmings.	Setting fire to premises No. 44 Allen street, November 8, 1891, at night.....	Arson, first degree, November 20, 1891.....	.....	Awaiting trial.
Thomas Ward.....	32	"	"	United States..	Actor.....	Setting fire to premises No. 311 West Twenty-first street, on night of November 13, 1891.....	Arson, first degree, November 20, 1891.....	.....	"
Bennie Woffel.....	32	"	"	Russia.....	Peddler.....	Setting fire to premises No. 110 Suffolk street, on November 17, 1891.....	Arson, second degree.....	.....	"
Tetta Woffel.....	40	"	"	"	Housekeeper....	.....	.....	.....
William H. Conklin...	17	Single...	"	United States..	Clerk.....	Setting fire to premises Nos. 772 to 786 Broadway, June 5, 1891.....	Arson, first degree, June 30, 1891.....	.....	Indictment untried. Pleading guilty, General Sessions, to larceny in first degree, and sentenced to five years and six months in State Prison.



NOTE.—The true position 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. Loss, \$125.



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 without license.....	19	508	927	775	63	..	..	71	909	18
Chimney fires.....	13	227	240	..	..	119	106	5	230	10
Hoistways found open after conclusion of business...	1	18	19	..	..	7	6	2	15	4
Fire-hydrants obstructed.....	32	45	77	75	2	..	..	..	77	..
Lights unprotected.....	..	2	2	2	..	..	..	..	2	..
Want of fire-extinguishing appliances.....	..	2	2	2	..	..	..	..	2	..
Combustible material in excessive quantity.....	4	30	34	14	15	..	..	..	29	5
Kerosene or naphtha, etc., in excessive quantity....	2	12	14	9	5	..	..	..	14	..
Fireworks, chemicals, matches, etc., kept without permit.....	1	9	10	3	7	..	..	..	10	..
Powder, etc., improperly stored, transported, etc....	1	12	13	4	9	..	..	..	13	..
Chimneys, flues, heating apparatus, etc., unsafe....	2	29	31	15	15	..	..	..	30	1
Hay, straw, cotton, rags, and other vegetable fibre stored in excessive quantity.....	2	1	3	1	..	..	..	..	1	2
Total.....	77	1,295	1,372	900	116	126	112	78	1,332	40

Special surveys made to determine the fitness of premises for the storage of combustibles or explosive material..... 1,127
 Samples of kerosene oil collected and tested..... 7,902

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

For 4,241 kerosene oil licenses issued, at \$10.....	\$42,410 00
For 44 powder licenses issued, at \$5.....	220 00
For 783 special permits issued, at \$2.....	1,566 00
For 11 wholesale fireworks permits issued, at \$20.....	220 00
For 223 retail fireworks permits issued, at \$5.....	1,115 00
For 21 kindling fire in street permits issued, at 50 cents.....	10 50
For 86 permits to use and keep explosives in hand magazines, at \$10.....	860 00
For 2 permits to use and keep explosives in main magazines, at \$25.....	50 00
For 5 permits to transport explosives, at \$1.....	5 00
For 1 permit to sell and keep explosives, at \$25.....	25 00
Total for licenses and permits, etc.....	\$46,481 50
For 119 penalties for chimney fires, at \$5.....	\$595 00
For 7 hoistways left open, at \$50.....	350 00
For sale of seized cartridges.....	3 83
Total for penalties, etc.....	948 38
Total received and turned over to the Relief Fund.....	\$47,430 33

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.....	..	5	5	4	..	1	..	5	\$430,000 00
Dwelling-houses—Estimated cost between \$20,000 and \$50,000.....	..	235	235	61	161	13	..	235	5,708,250 00
Dwelling-houses—Estimated cost less than \$20,000.....	..	462	462	111	314	37	..	462	5,581,900 00
Flats—Estimated cost over \$15,000.....	..	848	848	242	505	41	..	848	19,191,700 00
Tenement-houses—Estimated cost less than \$15,000.....	..	76	76	22	53	1	..	76	920,500 00
Hotels and boarding-houses.....	..	10	10	..	10	..	..	10	2,410,500 00
Stores—Estimated cost over \$30,000.....	2	66	68	4	56	7	1	68	5,105,450 00
Stores—Estimated cost between \$15,000 and \$30,000.....	..	35	35	3	32	..	..	35	680,000 00
Stores—Estimated cost less than \$15,000.....	..	47	47	13	32	2	..	47	325,950 00
Office buildings.....	..	31	31	7	20	4	..	31	5,286,150 00
Manufactories and workshops.....	1	124	125	32	86	7	..	125	3,045,500 00
School-houses.....	..	9	9	3	5	1	..	9	456,000 00
Churches.....	..	23	23	4	16	3	..	23	1,034,500 00
Public buildings—Municipal.....	..	17	17	7	9	1	..	17	910,942 00
Public buildings—Places of amusement, etc.....	..	16	16	3	10	3	..	16	2,207,853 00
Stables.....	1	84	85	33	48	4	..	85	1,135,090 00
Frame dwellings in Twenty-third and Twenty-fourth Wards.....	4	481	485	291	177	10	7	485	1,537,275 00
Other frame structures.....	2	248	250	129	91	29	1	250	168,071 00
Totals.....	10	2,817	2,827	969	1,685	164	9	2,827	\$56,156,631 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.....	1	560	561	251	281	29	..	561	\$1,250,249 00
Flats.....	..	81	81	28	48	5	..	81	604,095 00
Tenement-houses.....	5	421	426	211	187	24	4	426	560,643 00
Hotels and boarding-houses.....	..	73	73	19	42	12	..	73	961,815 00
Stores.....	4	257	261	90	150	20	1	261	1,131,402 00
Office buildings.....	..	80	80	24	48	7	1	80	322,016 00
Manufactories and workshops.....	5	303	308	94	170	40	4	308	1,155,205 00

CLASSIFICATION.	Pending last Report.	Received since.	Total.	Approved.	Amended and Approved.	Disapproved.	Now pending.	Total.	ESTIMATED COST.
School-houses.....	..	23	23	10	13	..	..	23	\$141,350 00
Churches.....	..	22	22	7	9	6	..	22	175,750 00
Public buildings.....	..	78	78	27	45	6	..	78	527,055 00
Stables.....	..	73	73	34	34	5	..	73	184,095 00
Frame buildings.....	3	417	420	214	167	36	3	420	443,426 00
Totals.....	18	2,388	2,406	1,009	1,194	190	13	2,406	\$7,457,131 00

Number of applications for permits for New Buildings and Alterations..... 3,788

Complaints Received and Investigated.

NATURE.	Pending last Report.	Received since.	Total.	Unfounded.	Remedied on Verbal Notice.	Notices to be Issued.	Total.	Now Pending.
Defective flues.....	2	91	93	46	31	9	86	7
Defective construction and materials.....	7	47	54	26	4	17	47	7
Defective leaders.....	72	434	506	93	122	228	443	63
Electric current which cannot be cut off from outside of building.....	..	1	1	..	1	..	1	..
Erecting and altering without permit.....	1	114	115	82	3	29	114	1
Frame structures erected and removed without permit.	2	155	157	78	3	74	155	2
Front iron shutters which cannot be opened from the outside.....	7	4	11	..	..	3	3	8
Hoistway openings not guarded.....	3	11	14	5	2	6	13	1
Insufficient means of escape, fire-escapes out of repair, etc.....	225	908	1,133	386	117	445	948	185
No iron shutters.....	..	14	14	4	..	9	13	1
Stairway openings floored over.....	1	5	6	1	..	4	5	1
Steam-pipes too near woodwork.....	1	2	3	..	..	3	3	..
Unsafe buildings.....	19	1,142	1,161	486	69	560	1,115	46
Unsafe passenger elevators.....	..	4	4	2	..	1	3	1
Unsafe freight elevators.....	..	9	9	5	1	3	9	..
Weight that floors will sustain not posted.....	..	10	10	..	..	10	10	..
Totals.....	340	2,951	3,291	1,214	353	1,401	2,968	323

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.....	164	605	769	523	..	..	54	577	192	465
Erecting, altering or removing without permit, or after disapproval.....	297	735	1,032	645	3	..	55	703	329	620
Insufficient means of escape, fire-escapes, aisles obstructed, etc.....	937	1,793	2,730	1,269	..	..	402	1,671	1,059	989
Unsafe buildings.....	272	1,214	1,486	960	2	2	50	1,014	472	80
Totals.....	1,670	4,347	6,017	3,397	5	2	561	3,965	2,052	2,154

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	3	4	4	..	..
Defective guide rails.....	1	1	2	2	..	1
Doors and door-locks out of repair.....	1	7	8	7	1	1
Fronts of cars unprotected.....	9	51	60	53	7	7
Generally unsafe.....	..	2	2	1	1	1
New ropes required.....	2	26	28	27	1	3
Run by persons under 18 years of age, incompetent persons..	1	4	5	5	..	..
Safety attachments out of order.....	..	2	2	2	..	..
Totals.....	15	96	111	101	10	13

Number inspected..... 2,337
 Found to be in good order and fit for use..... 2,241
 Found not in compliance with the law..... 96

Notices Issued.

To place fire-escapes on buildings.....	2,341
To remove violations of law.....	1,625
To repair passenger elevators.....	120
To remove unsafe buildings.....	2,095
Of disapproval of plans.....	312
Totals.....	6,493

PROCEEDINGS OF BOARD OF EXAMINERS.

Number of meetings held.....	52
Number of cases acted upon.....	492
Number of applicants for appointment as Inspectors examined.....	23
Found qualified.....	17
Not qualified.....	6

Petitions for Modification of the Law.

	APPROVED.	DISAPPROVED.	TOTAL.
New buildings.....	237	44	281
Alterations.....	147	36	183
Iron shutters.....	19	9	28
Totals.....	403	89	492

New buildings commenced	2,431
New buildings completed.....	2,825
Alterations commenced	1,954
Alterations completed	2,063

ATTORNEY TO THE DEPARTMENT.

Violations of Law Relating to Combustibles, etc.

NATURE OF VIOLATIONS.	FOR DISPOSITION.			DISPOSED OF							New 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.....	5	98	103	..	64	5	4	..	13	86	17
Chimney fires.....	4	6	10	..	2	1	..	3	2	8	2
Hoistways open after conclusion of business..	6	2	8	..	..	..	..	..	6	6	2
Combustible materials in excessive quantity..	1	..	1	..	..	..	..	..	..	..	1
Total,	16	106	122	..	66	6	4	3	21	100	22

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.....	167	465	632	351	40	47	..	..	5	443	189
Erecting, altering or removing without permit or after disapproval.....	258	620	878	446	50	77	6	..	2	581	297
Insufficient means of escape, fire-escapes, aisles obstructed, etc.....	486	989	1,475	495	176	140	11	..	44	866	609
Unsafe buildings	16	80	96	..	..	37	3	2	7	49	47
Defective elevators.....	5	13	18	9	3	..	..	..	..	12	6
Total	932	2,167	3,099	1,301	269	301	20	2	58	1,951	1,148

Miscellaneous Business.

NATURE.	PENDING LAST REPORT.	RECEIVED.	TOTAL.	DISPOSED OF.	NOW PENDING.
Opinions required	5	5	5	..

Money Received.

Violations of Combustible Laws—	
On hand last report.....	\$50 00
Chimney fires	15 00
Selling kerosene without license—Costs.....	12 50
Paid to the Treasurer of the Relief Fund of the Fire Department, as required by law.....	\$77 50

Violations of Building Laws—

Received:

Violation case No. 576 of 1885—Costs and disbursements	\$10 78
Violation case No. 69 of 1882—Costs	9 50
Fire-escape case No. 1263 of 1890—Penalty.....	50 00
Fire-escape case No. 2945 of 1889—Judgment.....	50 00
Fire-escape case No. 102 of 1882—Disbursements.....	6 50
Fire-escape case No. 1432 of 1882—Costs and disbursements.....	25 75
Fire-escape case No. 144 of 1884—Disbursements.....	50
Fire-escape case No. 2311 of 1890—Judgment	50 00
Fire-escape case No. 2768 of 1890—Disbursements.....	50
Violation case No. 1162 of 1890—Penalty.....	50 00
Violation case No. 282 of 1891—Penalty.....	50 00
Unsafe case No. 594 of 1887—Survey fee.....	25 00
Unsafe case No. 689 of 1890—Survey fee.....	25 00
Unsafe case No. 438 of 1890—Survey fee.....	25 00
Unsafe case No. 189 of 1891—Survey fee.....	25 00
Unsafe case No. 713 of 1891—Survey fee.....	25 00
Fire-escape case No. 234 of 1891—Costs.....	10 00

Paid to the Comptroller as required by law.....	\$438 53
	428 53
Balance on hand	\$10 00

Cases Against the Department.

NAME OF PLAINTIFF.	Pending Last Report.	Received.	NATURE OF ACTION.	DISPOSED OF.	Now Pending.
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. 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
The People ex rel. James Bohlen	1	..	Certiorari to review removal.....	..	1
The People ex rel. John Ward.....	..	1	Certiorari to review removal .....	..	1
The People ex rel. William E. McDonald..	..	1	Certiorari to review removal .....	..	1
The People ex rel. Samuel P. Lynch.....	..	1	Certiorari to review removal .....	..	1
The People ex rel. John Connors.....	..	1	Certiorari to review removal .....	..	1
The People ex rel. Peter F. McDermott.....	..	1	Certiorari to review removal.....	..	1
The People ex rel. William T. Cahill .....	..	1	Certiorari to review removal.....	..	1
The People ex rel. Richard Burns.....	..	1	Certiorari to review removal.....	..	1
The People ex rel. William H. F. Binns.....	..	1	Certiorari to review removal .....	..	1
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, vs. Isaac Fisher.	1	..	Damages for personal injuries.....	Discontinued .....	..
The People ex rel. William Meles .....	..	1	Application for injunction.....	Discontinued .....	..
	17	9		2	24

FIRE-ALARM TELEGRAPH.

The work done by this branch of the Department comprised the removal and transferring of circuits from overhead to underground and from lines abandoned by telegraph companies, upon which fire wires were located, upon the demand of the Board of Electrical Control. As much was done in the way of putting fire lines underground as the appropriation made for the purpose permitted, and more could have been advantageously done if the appropriation had been greater.

The following shows how much of the whole telegraph system is now underground: 59¼ miles of cables, containing 568 miles of conductors, laid in 53½ miles of subway ducts, of which 19¼ miles were constructed by the Department, the remainder being constructed under the direction of the Board of Electrical Control.

This furnishes direct underground communication from the Central Office to and with forty-six (46) department buildings (company houses, etc.), thirteen (13) public school buildings and two hundred and fifty-seven (257) fire-alarm signal boxes.

As usual, a number of short subsidiary ducts have been laid from the main subways in and across streets about to be newly paved, so as to be ready for extension to their respective destinations in connection with anticipated future work. The companies and other places which now have direct underground communication with Headquarters are the following:

Engine Companies Nos. 1, 3, 4, 6, 7, 9, 10, 12, 13, 14, 18, 19, 20, 22, 23, 26, 27, 29, 30, 31, 32, 33, 34, 39, 40, 44, 54, 55, 56, 57, and Hook and Ladder Companies Nos. 1, 2, 3, 4, 8, 9, 10, 12, 15, 16, 20 and 21, and the Repair Shops, Police Headquarters and the Gatehouse in Central Park.

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

Engine Companies Nos. 2, 24, 43 and 51, and Hook and Ladder Company No. 5.

Two hundred and fifteen (215) miles of old wire was taken down.

One hundred and fifty-one (151) miles of new and old wire was used in repairs and extensions. Eighty-three (83) poles were reset and four hundred and fifty-seven (457) new poles were set.

Nine hundred and fifteen (915) poles were taken down and condemned.

Forty-two (42) new alarm boxes were added to the system.

The number of signal boxes is as follows:

Street boxes.....	789
In schools.....	128
In other institutions	27
	944

Special boxes in theatres, manufactories, etc..... 260

Aggregate number in direct communication with the Department..... 1,204

Four hundred and two (402) of the street boxes are equipped with keyless doors, and three hundred and fifty-nine (359) are attached to combination lamp and signal posts.

Number of alarms and calls:

First alarms from—	
Street boxes.....	2,170
Special building boxes.....	14
Police Headquarters.....	5
Thermostatic Fire Alarm Company.....	3
Automatic Signal Telegraph Company.....	37
	2,229

Second alarms.....	149
Third alarms	70
Fourth alarms	11
Fifth alarms.....	2
Simultaneous	3
	235

Special calls for—

Companies.....	253
Increase of water pressure.....	64
Insurance patrol.....	76
Ambulances.....	201
Police boat.....	1
Relief signals.....	169
	764

Total alarms and calls..... 3,228

Messages transmitted..... 9,128

Messages received..... 9,425

Total..... 18,553

Notice of companies leaving quarters on verbal alarms..... 1,474

Number of Fire-alarm Keys in Use.

By the Uniformed Force	1,123
By others in the Department	8
By the Police Department	3,799
By the Fire Insurance Patrol	157
By the District Telegraph Companies	15
By householders	1,618
By citizens	3,434
By the Holmes Electric Protective Company	42
By the Public Schools	140
Total	10,336

SANITARY STATISTICS OF THE UNIFORMED FORCE.

Cases of Disability.

CAUSED BY	NUMBER.	DAYS LOST.
Injuries	541	12,036
Disease	132	4,165
Total	673	16,201

Deaths in the Uniformed Force.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF DEATH.	CAUSE.
Henry Teal	Foreman	H. & L. 9.	Aug. 1, 1871	Feb. 27	Bright's disease.
George C. Birkett	Engineer of Steamer.	Engine 2.	Dec. 5, 1866	Apr. 7	Pneumonia.
James Fogarty	Fireman, 1st grade..	" 48.	Feb. 1, 1874	" 22	Cirrhosis of liver.
John L. Gulick	" ..	H. & L. 14.	Sept. 25, 1865	" 23	Pneumonia.
William Cahill	" ..	" 3.	Oct. 13, 1865	May 26	Heart disease.
John Sattler	Foreman	" 2.	" 20, 1865	July 30	"
Thomas P. Knight	Engineer of Steamer.	Engine 10.	Dec. 17, 1885	Aug. 23	Epilepsy.
James H. Shute	Assistant Foreman...	" 27.	May 12, 1877	" 23	Heart disease.
Joseph A. Cottrell	Fireman, 1st grade..	" 22.	Dec. 23, 1882	Oct. 19	Paralysis.
James F. Fitzpatrick.	" ..	H. & L. 19.	Oct. 10, 1882	" 30	Phthisis.
James J. McManus	" ..	Engine 27.	Jan. 4, 1873	Nov. 5	Fracture of skull; fell down stairs in residence.
Michael Harrigan	" ..	H. & L. 19.	June 1, 1877	" 13	Phthisis.

Deaths among those Relieved from Service at Fires.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	WHEN RELIEVED.	CAUSE.	DATE OF DEATH.	CAUSE.
Charles L. Clark	Fireman, 1st grade.	Engine 20.	1865 Oct. 11	1890 July 10	Heart disease	July 30	Heart disease.
James McLaughlin	"	H. & L. 3.	1869 Nov. 15	1882 Aug. 10	"	Dec. 15	"
George Murphy	"	Engine 49.	1868 July 7	1891 Sept. 9	"	Dec. 26	"

Relieved from Service at Fires.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	RE-RELIEVED.	CAUSE.
Alexander McNeill	Foreman	Engine 36	Oct. 16, 1865	Sept. 4	Phthisis.
James A. McGinn	Fireman, 1st grade.	" 34	" 10, 1873	" 4	Chronic gastritis.
Martin Meagher	"	" 22	" 25, "	" 4	Paralysis lower extremities.
John Dalton	"	H. & L. 17	Mar. 15, 1872	" 4	Nephritis.
Edward Keyes	"	" 22	Nov. 3, 1880	" 4	Phthisis.
Charles Chambers	Foreman	Engine 49	Sept. 14, 1865	" 9	Heart disease; defective vision.
William H. Fleming	" ..	" 6	Oct. 17, 1870	" 9	Cirrhosis of liver; hemorrhoids.
George W. Greer	Engineer	" 26	Jan. 1, 1878	" 9	Vertigo; defective vision.
Patrick H. Delaney	" ..	" 27	Sept. 7, 1877	" 9	Paralysis lower extremities.
John J. Britt	Fireman, 1st grade.	H. & L. 2	Apr. 23, 1883	" 9	Vertigo; defective vision.
John B. Livingston	"	Engine 21	Jan. 15, 1874	" 9	Heart disease; chronic rheumatism and defective vision.
William J. Cavanagh	Engineer	" 51	Feb. 11, 1876	" 9	Heart disease; defective vision.
James Dunn, No. 2	Fireman, 1st grade.	H. & L. 7	May 24, 1884	" 9	Epilepsy; loss of vision, left eye.
Patrick Kennedy	"	" 14	June 6, 1870	" 9	Chronic rheumatism; defective vision; fistula and vertigo.
George Murphy	"	Engine 49	July 7, 1860	" 9	Heart disease; chronic rheumatism.
Christopher Daly	"	H. & L. 14	Mar. 1, 1873	" 25	Chronic rheumatism; defective vision.
Dennis Morrissey	"	Engine 21	" 24, 1880	" 25	Anchylolysis both ankles.

APPARATUS.

Purchased.

The following new apparatus was purchased during the year:

Four engines (see "Description of Steam Fire-engines" in another part of this report), eight four-wheeled hose wagons, one four-wheeled boat tender, one hook and ladder truck and three fuel wagons.

Rebuilt.

Three hook and ladder trucks.

Condemned and Sold.

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

- 1 U tank steam fire-engine (Amoskeag No. 157), in service since 1865.
- 1 U tank steam fire-engine (Amoskeag No. 161), in service since 1866.
- 1 two-wheeled hose tender.
- 1 four-wheeled hose tender.
- 2 Chiefs of Battalion wagons.
- 4 turn-tables.
- 1 express wagon.

REPAIR SHOPS WORK.

Rebuilt.

- 1 hose wagon.
- 1 two-wheel hose jumper.

Extensive Repairs.

- 46 to steam fire-engines.
- 12 to hose tenders.
- 6 to hook and ladder trucks.

Ordinary Repairs.

- 236 to steam fire-engines.
- 1 to hand engine.
- 83 to hose tenders.
- 45 to hose wagons.
- 80 to hook and ladder trucks.
- 9 to floating engines.
- 4 to water-towers.
- 12 to fuel wagons.
- 99 to Chiefs of Battalion wagons.
- 54 to various wagons.

Repairs by the Wrecking Force.

- 87 to steam fire-engines.
- 18 to hose tenders.
- 12 to hose wagons.
- 50 to hook and ladder trucks.
- 6 to water-towers.
- 6 to fuel wagons.
- 7 to light wagons.

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.

	TOTAL.
Marine steam fire-engines (Engine Companies Nos. 43, 51 and 57)	3
Steam fire-engines	
First size	17
Second size	42
Third size	15
Fourth size	15
Fifth size	2
Hose-tenders, four-wheeled	45
Hose-tenders, four-wheeled—double reel (for boat)	1
Hose-tenders, two-wheeled	34
Hose wagons, four-wheeled	19
Water-towers	4
Hook and ladder trucks	
Turn-table, with extension ladder..	5
Roller-frame, with extension ladder	1
Goose-neck, without extension ladder	19
Chemical fire-engines	5
Fuel wagons	20
Wrecking truck	1
Chemical fire-extinguishers	127
Hand-engines	3
Hose carriages	1
Hose jumpers	9
Chief of Battalion wagons	21
Portable water tank	1

Inventory of Hose.

	SIZE.	NUMBER OF LENGTHS.
Combination rubber	2 inch.	2
"	2½ "	2,335
Cotton, rubber lined	2½ "	2,094
Combination rubber	3 "	299
"	3¼ "	167
"	3½ "	2
"	4 "	4
"	6 "	2
Cotton, rubber lined	3½ "	28
Combination rubber	Tapering.	51
Total		4,984

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	4½	8,800	Sept., 1865	Amoskeag Manufacturing Co..	143	Nov., 1883	New boiler, Clapp & Jones Manufacturing Co..	Spare.
1	"	"	"	8	12	4½	8,800	Sept., 1866	"	191	Apr., 1883	"	"
1	"	"	"	8	12	4½	8,800	Sept., 1866	"	192	Nov., 1877	New pumps, Amoskeag Manufacturing Co..	"
1	"	"	"	8	12	4½	8,800	Oct., 1866	"	193	Mar., 1882	New tubes, Repair Shops.....	"
1	"	"	"	8	12	4½	8,800	Oct., 1866	"	193	June, 1884	New boiler, Clapp & Jones Manufacturing Co..	"
1	* Straight frame.....	"	"	8½	8	4½	9,600	Oct., 1872	"	284	May, 1883	"	"
1	* Crane neck.....	"	"	7½	8	4½	8,000	Sept., 1874	"	494	Feb., 1880	{ Altered for horses, and new boiler, Clapp & Jones Manufacturing Co..	"
1	"	"	"	7½	8	4½	7,320	Mar., 1879	"	527	Feb., 1880	New tubes, Repair Shops.....	"
1	"	Coil.....	"	7½	8	4½	7,575	Sept., 1880	Ahrens Manufacturing Co.....	252	Nov., 1880	New boiler, Clapp & Jones Manufacturing Co..	"
1	"	Drop tube.....	"	8	7	4½	7,450	Oct., 1880	Clapp & Jones Manufacturing Co.	351	Oct., 1880	{ New tubes in boiler, Clapp & Jones Manufacturing Co..	Engine 33.
1	"	"	"	8	7	5	7,450	Oct., 1880	"	352	Jan., 1883	New pump, Clapp & Jones Manufacturing Co..	" 7.
1	"	"	"	8½	7	5	7,890	June, 1882	"	380	"	"	" 14.
1	"	"	"	8½	7	5	8,110	July, 1882	"	381	"	"	" 1.
1	"	"	"	8½	7	5	7,890	Aug., 1882	"	383	"	"	" 19.
1	"	"	"	8½	7	5	7,890	Sept., 1882	"	385	"	"	" 55.
1	"	"	"	9	8	5½	8,430	July, 1890	"	544	"	"	" 30.
1	"	Sectional coil.....	"	9	8	5½	8,490	July, 1891	"	553	"	"	" 16.
1	"	"	"	9	8	5½	8,400	July, 1891	"	559	"	"	" 25.
2	U tank.....	Tubular.....	Single.....	8	12	4½	6,750	Oct., 1865	Amoskeag Manufacturing Co..	147	July, 1879	New boiler, Amoskeag Manufacturing Co.....	Spare.
2	"	"	"	8	12	4½	6,750	Nov., 1865	"	148	Apr., 1879	"	"
2	"	Nest tube.....	"	8	12	4½	6,520	Dec., 1865	"	153	July, 1879	"	"
2	"	Tubular.....	"	8	12	4½	6,750	Jan., 1866	"	159	Oct., 1888	La France Fire Engine Co.....	"
2	"	Nest tube.....	"	8	12	4½	6,750	Jan., 1866	"	159	Nov., 1879	Amoskeag Manufacturing Co.....	Engine 5.
2	"	"	"	8	12	4½	6,750	Jan., 1866	"	159	Nov., 1880	La France Fire Engine Co.....	"
2	"	Drop tube.....	"	8	12	4½	6,750	Feb., 1866	"	162	Sept., 1879	Manchester Locomotive Works.....	" 12.
2	"	"	"	8	12	4½	6,750	Mar., 1866	"	162	Rebuilt and new boiler, La France Fire Engine Co..	New boiler, Repair Shops.....	Spare.
2	"	"	"	8	12	4½	6,750	Mar., 1866	"	163	July, 1875	Clapp & Jones Manufacturing Co..	"
2	"	Tubular.....	"	8	12	4½	6,750	Apr., 1866	"	163	Sept., 1881	"	"
2	"	Sectional coil tube.....	"	8	12	4½	6,750	Apr., 1866	"	164	Dec., 1874	New boiler, Repair Shops.....	Engine 13.
2	"	"	"	8	12	4½	6,750	Apr., 1866	"	164	1889	{ New boiler, and rebuilt by La France Fire Engine Co..	"
2	"	"	"	8	12	4½	6,750	Apr., 1866	"	165	Nov., 1879	New boiler, Manchester Locomotive Works.....	" 16.
2	"	"	"	8	12	4½	6,750	Apr., 1866	"	165	Aug., 1886	Clapp & Jones Manufacturing Co..	"
2	"	"	"	8	12	4½	6,750	Apr., 1866	"	165	Sept., 1888	{ New coil for boiler, Clapp & Jones Manufacturing Co..	"
2	"	Tubular.....	"	8	12	4½	6,750	Aug., 1866	"	166	Oct., 1879	New boiler, Amoskeag Manufacturing Co.....	Spare.
2	Straight frame.....	Sectional coil tube.....	Double.....	6½	8	4½	6,700	Mar., 1867	"	226	Sept., 1879	"	Engine 28.
2	"	Drop tube.....	"	6½	8	4½	6,700	Mar., 1867	"	227	Aug., 1880	Clapp & Jones Manufacturing Co..	"
2	"	"	"	6½	8	4½	6,700	Mar., 1867	"	227	Oct., 1875	Repair Shops.....	" 31.
2	"	"	"	6½	8	4½	6,700	Mar., 1867	"	228	Apr., 1882	Clapp & Jones Manufacturing Co..	"
2	"	"	"	6½	8	4½	6,700	Apr., 1867	"	228	July, 1880	"	" 21.
2	"	"	"	6½	8	4½	6,700	Apr., 1867	"	229	Feb., 1878	New tubes in boiler, Repair Shops.....	"
2	"	"	"	6½	8	4½	6,700	May, 1867	"	229	Sept., 1881	New boiler, Clapp & Jones Manufacturing Co..	" 25.
2	"	"	"	6½	8	4½	6,700	Aug., 1868	"	230	Aug., 1886	New pumps, " "	"
2	"	"	"	6½	8	4½	6,700	Aug., 1868	"	230	Oct., 1881	New boiler, " "	Spare.
2	"	Nest tube.....	"	6½	8	4½	6,700	Sept., 1868	"	295	Mar., 1881	"	Engine 27.
2	"	Tubular.....	"	6½	8	4½	6,700	Sept., 1868	"	296	Aug., 1879	Amoskeag Manufacturing Co.....	" 39.
2	"	Nest tube.....	"	6½	8	4½	6,700	Nov., 1863	"	301	Mar., 1886	La France Fire Engine Co.....	"
2	"	"	"	6½	8	4½	6,700	Nov., 1863	"	302	Nov., 1876	Repair Shops.....	Spare.
2	"	"	"	6½	8	4½	6,700	Nov., 1863	"	302	Apr., 1879	Amoskeag Manufacturing Co.....	Engine 34.
2	"	"	"	6½	8	4½	6,700	Nov., 1863	"	302	Aug., 1888	La France Fire Engine Co.....	"
2	Crane neck.....	"	"	7½	8	4½	8,250	July, 1886	La France Fire Engine Co.....	108	"	"	" 9.
2	"	Sectional coil tube.....	"	7½	7	4½	7,240	May, 1887	Clapp & Jones Manufacturing Co.	491	"	"	" 24.
2	"	Drop tube.....	"	6½	8	4½	6,800	Feb., 1871	Amoskeag Manufacturing Co..	359	May, 1883	New boiler, Clapp & Jones Manufacturing Co..	" 23.
2	"	"	"	6½	8	4½	6,800	Feb., 1871	"	360	July, 1884	"	" 16.
2	"	"	"	6½	8	4½	6,800	Mar., 1871	"	361	Sept., 1883	"	Spare.
2	"	"	"	6½	8	4½	6,800	Mar., 1871	"	362	Apr., 1883	"	"
2	"	"	"	6½	8	4½	7,385	Mar., 1871	"	363	Apr., 1883	"	Engine 11.
2	"	Tubular.....	"	6½	8	4½	7,250	June, 1873	"	437	Aug., 1880	{ New pumps, new crown sheet, new tubes and sheet in furnace, Manchester Locomotive Works.....	" 8.
2	"	Drop tube.....	"	6½	8	4½	6,950	June, 1873	"	438	1889	Rebuilt, and new boiler by La France Fire Engine Co..	"
2	"	"	"	6½	8	4½	6,950	July, 1873	"	439	June, 1882	New boiler, Clapp & Jones Manufacturing Co..	" 54.
2	"	"	"	6½	8	4½	6,950	Sept., 1873	"	440	July, 1883	"	" 12.
2	"	"	"	6½	8	4½	6,950	Sept., 1873	"	441	June, 1884	"	" 29.
2	"	"	"	6½	8	4½	6,950	Sept., 1873	"	442	Sept., 1880	"	" 3.
2	"	"	"	6½	8	4½	6,950	Sept., 1873	"	455	May, 1882	New pump, Repair Shops.....	" 16.
2	"	Tubular.....	"	6½	8	4½	6,800	Nov., 1868	Gould.....	7	July, 1834	New boiler, Clapp & Jones Manufacturing Co..	"
2	"	Coil.....	"	6½	8	4½	6,210	July, 1883	Ahrens Manufacturing Co.....	358	Dec., 1880	Repair Shops.....	Ward's Island.
2	"	"	"	6½	8	4½	6,210	July, 1883	"	360	Mar., 1888	New coil in boiler, Ahrens Manufacturing Co.....	Engine 13
2	"	Drop tube.....	"	7½	7	4½	6,550	July, 1883	Clapp & Jones Manufacturing Co.	413	"	"	" 20.
2	"	"	"	7½	7	4½	6,485	Aug., 1883	"	415	"	"	" 32.
2	"	"	Rotary.....	9	"	"	6,400	July, 1884	Silsby Manufacturing Co.....	780	"	"	" 27.
2	"	"	Double.....	7½	7	4½	6,885	July, 1885	Clapp & Jones Manufacturing Co.	463	Feb., 1888	New pumps, Silsby Manufacturing Co.....	" 49.
2	"	Sectional coil tube.....	"	7½	7	4½	6,740	Aug., 1886	"	473	"	"	" 31.
2	"	Nest tube.....	"	7½	8	4½	8,230	Aug., 1888	La France Fire Engine Co.....	146	"	"	" 4.
2	"	"	"	7½	8	4½	8,675	Aug., 1888	"	147	"	"	" 18.
3	Harp tank.....	Drop tube.....	Single.....	7½	9½	4½	5,550	May, 1861	Amoskeag Manufacturing Co..	36	Oct., 1879	New boiler, Clapp & Jones Manufacturing Co..	Spare.
3	"	"	"	7½	9	4½	5,700	Dec., 1876	"	516	Apr., 1884	"	"
3	"	Nest tube.....	"	7½	9	4½	5,700	Feb., 1877	"	517	1890	{ Rebuilt, and new boiler by La France Fire Engine Co..	Engine 37.
3	"	"	"	7½	9	4½	5,700	Feb., 1877	"	519	July, 1888	New boiler, La France Fire Engine Co.....	" 38.
3	"	"	"	7½	9	4½	5,700	Feb., 1877	"	520	June, 1882	{ New tubes in boiler, Clapp & Jones Manufacturing Co..	"
3	"	"	"	7½	9	4½	5,700	Feb., 1877	"	520	1889	{ Rebuilt, and new boiler by La France Fire Engine Co..	" 37.
3	Straight frame.....	Coil.....	"	8	7	5	4,665	July, 1883	Ahrens Manufacturing Co.....	354	"	"	" 45.
3	"	"	"	8	7	5	4,665	July, 1883	"	35	"	"	" 42.
3	Horizontal.....	Tubular.....	"	6	10	4½	"	Aug., 1865	Clapp.....	"	Jan., 1867	New boiler, Amoskeag Manufacturing Co.....	Randall's Island.
3	Crane neck.....	Nest tube.....	Double.....	8½	6	4½	7,490	1889	La France Fire Engine Co.....	165	"	"	Engine 56.
3	"	"	"	8½	6	4½	7,420	1889	"	164	"	"	" 6.
3	"	"	"	8½	6	4½	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	4½	7,710	July, 1890	La France Fire Engine Co.....	187	.....	.....	Engine 35.
3	".....	".....	".....	8½	6	4½	7,720	July, 1890	".....	186	.....	.....	" 17.
3	".....	".....	".....	8½	6	4½	7,510	June, 1891	".....	202	.....	.....	" 10.
3	".....	".....	".....	8½	6	4½	7,500	June, 1891	".....	203	.....	.....	" 2.
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	Apr., 1884	".....	430	.....	.....	" 18.
4	".....	".....	".....	9¼	6	5½	5,950	Apr., 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	4½	4,680	Nov., 1882	".....	397	.....	.....	" 50.
5	".....	".....	".....	7½	6	4½	5,030	Nov., 1884	".....	452	.....	.....	" 52.
1	Marine engine.....	Tubular.....	".....	11	12	5	.....	May, 1875	Amoskeag Manufacturing Co., pumps.....	513	May, 1882	New legs in boiler.....	" 43.
1	".....	".....	".....	11	12	5	.....	Apr., 1883	Clapp & Jones Manufacturing Co., pumps.....	514	Dec., 1885	Repairs to boiler, hull, etc.....	" 43.
1	".....	".....	".....	16	9	7½	.....	.....	La France Fire Engine Co.....	405	July, 1888	Extensive repairs to boat, under contract.....	" 51.
1	".....	".....	".....	16½	11	10	.....	Feb., 1891	Clapp & Jones Manufacturing Co.....	406	June, 1886	New legs in boilers, new fresh water tanks and connections.....	" 51.
1	".....	".....	".....	17	11	10	.....	.....	.....	.....	.....	.....	" 57.

* Formerly self-propellers.

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.....	".....	85 ".....	".....	1891	38	.....	" 7.
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	.....	" 10.
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, 1886.....	" 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. Co. 9.
3d.....	".....	30 ".....	.....	1865	5	.....	" 19.
3d.....	".....	30 ".....	.....	1865	1	.....	" Randall's Island.

Classified Description of Hose Tenders, Hose Wagons, Boat Tenders, Water Towers, etc.

STYLE.	MANUFACTURER.	WHEN BUILT OR PLACED IN SERVICE.	REGISTERED No.	WHERE USED.
Four-wheel hose tenders.....	Dept. Repair Shops.....	1865	33	Spare.
"	"	1865	1a	Eng. Co. 52.
"	"	1875	35	Spare.
"	"	1877	37	"
"	"	1877	38	"
"	"	1881	42	"
"	Fire Extinguisher Mfg. Co.....	1882	43	Eng. Co. 1.
"	"	1882	45	" 21.
"	"	1882	46	" 23.
"	"	1882	48	" 44.
"	"	1882	34	Spare.
"	P. J. Nevins.....	1882	49	Eng. Co. 48.
"	J. U. Bauchelle.....	1883	51	" 24.
"	"	1883	54	" 36.
"	"	1883	55	" 37.
"	"	1883	56	" 42.
"	"	1883	57	" 45.
"	"	1883	58	" 47.
"	"	1883	59	" 50.
"	Fire Extinguisher Mfg. Co.....	1884	60	" 3.
"	"	1884	61	" 10.
"	"	1884	62	" 18.
"	"	1884	63	" 27.
"	"	1884	64	" 30.
"	"	1884	65	" 53.
"	"	1885	66	" 52.
"	Gleason & Bailey Mfg. Co.....	1886	68	" 16.
"	"	1886	69	" 19.
"	"	1886	70	" 22.
"	"	1886	72	" 34.
"	"	1886	73	" 39.
"	"	1886	74	" 40.
"	"	1887	76	" 11.
"	"	1887	77	" 36.
"	William Cole & Co.....	1887	75	" 46.
"	Gleason & Bailey Mfg. Co.....	1888	79	" 5.
"	"	1888	80	" 8.
"	"	1888	81	" 9.
"	"	1888	82	" 15.
"	"	1888	78	" 28.
"	"	1889	84	" 31.
"	"	1889	85	" 54.
"	"	1889	86	" 35.
"	"	1889	87	" 56.
"	"	1889	83	H. & L. Co. 19
Two-wheel hose tenders.....	Dept. Repair Shops.....	1866	19	Eng. Co. 2.
"	"	1866	20	" 32.
"	"	1866	21	" 6.
"	"	1866	12	" 13.
"	"	1866	24	" 16.
"	"	1866	25	" 27.
"	"	1866	27	" 55.
"	"	1866	28	" 55.
"	"	1866	13	Spare.
"	"	1866	22	Eng. Co. 12.
"	"	1866	17	" 49.
"	"	1866	11	Spare.
"	Amoskeag Mfg. Co.....	1866	7	Eng. Co. 18.
"	"	1866	8	" 49.
"	"	1866	9	Spare.
"	Dept. Repair Shops.....	1866	1	Eng. Co. 25.
"	Amoskeag Mfg. Co.....	1866	15	Spare.
"	Dept. Repair Shops.....	1867	2	Eng. Co. 5.
"	"	1868	3	" 17.
"	Amoskeag Mfg. Co.....	1868	4	" 31.
"	Allerton Mfg. Co.....	1869	5	" 33.
"	Dept. Repair Shops.....	1871	29	" 12.
"	"	1871	30	Spare.
"	"	1872	31	Eng. Co. 7.
"	"	1872	32	Spare.
"	"	1876	36	Eng. Co. 26.
"	"	1879	39	" 35.
"	"	1880	41	Spare.
"	"	1880	40	Eng. Co. 29.
"	"	1882	44	" 20.
"	"	1883	50	" 13.
"	"	1883	53	" 33.
"	"	1885	67	Spare.

STYLE.	MANUFACTURER.	WHEN BUILT OR PLACED IN SERVICE.	REGISTERED No.	WHERE USED.
Two-wheel hose tenders.....	Dept. Repair Shops.....	1886	71	Eng. Co. 41.
Four-wheel hose wagons.....	E. B. Preston & Co.....	1889	1	" 38.
"	"	1889	2	H. & L. Co. 19.
"	Gleason & Bailey Mfg. Co.....	1890	3	Eng. Co. 24.
"	"	1890	4	" 4.
"	"	1890	5	" 14.
"	"	1890	6	" 30.
"	"	1890	7	" 13.
"	"	1890	8	" 20.
"	"	1890	9	" 33.
"	"	1890	10	(Boat tender.)
"	Repair Shops.....	1891	11*	Eng. Co. 41.
"	Gleason & Bailey Mfg. Co.....	1891	12	" 5.
"	"	1891	13	" 18.
"	"	1891	14	" 1.
"	"	1891	15	" 19.
"	"	1891	16	" 17.
"	"	1891	17	" 16.
"	"	1891	18	" 9.
"	"	1891	19	" 25.
Four-wheel double-reel boat tender..	Dept. Repair Shops.....	1889	1	H. & L. Co. 15.
Four-wheel water-tower.....	A. Greenleaf.....	1879	1	Spare.
"	"	1883	2	H. & L. Co. 3.
"	Fire Extinguisher Mfg. Co.....	1885	3	Eng. Co. 7.
"	Kansas City Supply Co.....	1890	4	" 7.
Four-wheel water-tank.....	Dept. Repair Shops.....	1883	1	" 20.
Four-wheel wrecking truck.....	"	1879	1	H. & L. Co. 11.

* Formerly a supply wagon, altered at Repair Shops.

HORSES.

Number of horses on hand at last report.....	368
Purchased since.....	40
Died.....	9
Sold.....	17
Number on hand.....	382

On Probation.

At last report.....	17
Received.....	126
Accepted.....	42
Rejected.....	74
Remaining on probation.....	27

DEPARTMENT BUILDINGS AND SITES.

New Buildings.

The following, in course of construction at last report, was completed:
The new apparatus house at No. 223 East One Hundred and Nineteenth street, which was occupied by Engine Company No. 35 on January 15.
The new house for Engine Company No. 42, on Fulton avenue, between One Hundred and Sixty-seventh and One Hundred and Sixty-eighth streets, is still uncompleted and the company remains in its temporary quarters in the same block.

Alterations and Repairs to Buildings.

Extensive alterations and repairs, under contract, were made to the following buildings:
Engine Companies Nos. 10, 12, 17, 29, and Hook and Ladder Companies Nos. 5 and 10.
Other less extensive repairs and alterations were made to the quarters of Engine Companies Nos. 19, 20, 23, 28, 31, 55, and Hook and Ladder Company Nos. 6 and 13.
Ordinary repairs involving various kinds of mechanical work were also made to the buildings of the Department, aggregating three hundred and fifteen different jobs of work.

New Sites.

A new site for an engine company was obtained at No. 81 West One Hundred and Fifteenth street.
In the Departmental Estimate for 1892, new sites for apparatus houses were asked for in the following localities:
One Hundred and Forty-fifth street and Eleventh avenue.
One Hundred and Seventy-fifth street and Kingsbridge road.
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.

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 Company 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. 201 William street.
" 13, No. 99 Wooster street.

Engine Company No. 14, No. 14 East Eighteenth street.	
" 15, No. 269 Henry street.	
" 16, No. 223 East Twenty-fifth street.	
" 17, No. 91 Ludlow street.	
" 18, No. 132 West Tenth street. (Fuel Depot No. 8.) Temporary quarters at Fourth and Barrow streets.	
" 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. 2347 Park avenue.	
" 37, No. 83 Lawrence street.	
" 38, No. 1907 Amsterdam avenue.	
" 39, No. 157 East Sixty-seventh street. (Department Headquarters and Hook and Ladder Company No. 16 in same building.)	
" 40, No. 232 West Sixty-eighth street.	
" 41, No. 2801 North Third avenue.||	
" 42, No. 1192 Fulton avenue (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, No. 1187 Tremont avenue.	
" 46, No. 753 Tremont avenue.	
" 47, West One Hundred and Thirteenth street, 75 feet west of Amsterdam avenue.	
" 48, No. 2504 Webster avenue.	
" 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.	
" 57 (Floating engine "The New Yorker"), Castle Garden.	
Hook and Ladder Company No. 1, No. 26 Chambers street.†	
" 2, No. 126 East Fiftyth 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 Wolf streets.	
" 20, No. 157 Mercer street.	
" 21, No. 432 West Thirty-sixth street.	
" 22, No. 766 Amsterdam avenue. (Fuel Depot No. 17.)	
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. 24).	
" 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 Hook and Ladder Company No. 22).	
" 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.)	
" No. 1922 Lillian street (formerly 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—1871-1891.

Receipts.

FROM—	1871 TO 1890, INCLUSIVE.	1891.	TOTAL.
Metropolitan Fire Department Relief Fund.....	\$7,340 07	.....	\$7,340 07
Fines.....	25,172 38	\$2,693 36	27,865 74
Donations.....	10,688 00	10 00	10,698 00
Penalties.....	13,030 10	412 50	13,442 60
Oil licenses.....	659,268 00	42,410 00	701,678 00
Fireworks permits.....	11,525 25	1,335 00	12,860 25
Interest.....	339,080 95	26,286 86	365,367 81
Foreign insurance tax.....	112,635 73	.....	112,635 73
Powder licenses.....	4,475 50	220 00	4,695 50

FROM—	1871 TO 1890, INCLUSIVE.	1891.	TOTAL.
Special permits.....	\$10,298 00	\$1,566 00	\$11,864 00
Chimney fires.....	6,576 50	610 00	7,186 50
Fire in street permits.....	806 75	10 50	817 25
Sales—Seized combustibles.....	170 92	22 28	193 20
Sales—Sample oils.....	88 41	.....	88 41
Excise licenses.....	408,920 50	75,259 00	484,179 50
Absences without leave.....	1,853 16	.....	1,853 16
Special leaves.....	21,928 58	3,666 66	25,595 24
Sales—Condemned horses, etc.....	10,965 80	1,817 74	12,783 54
New York State Dairy Commission.....	6,606 25	393 75	7,000 00
Permits for sale, use, etc., of explosives.....	2,053 00	940 00	2,993 00
Totals.....	\$1,653,463 85	\$157,953 65	\$1,811,417 50

Disbursements.

	1871 TO 1890, INCLUSIVE.	1891.	TOTAL.
Premium on City Bonds.....	\$2,700 00	.....	\$2,700 00
Salaries.....	18,227 31	.....	18,227 31
Expense account.....	13,590 41	\$401 25	13,991 66
Pay of Relieved Men.....	191,462 52	50,099 92	241,562 44
Pensions of Retired Men.....	456,999 75	47,574 17	504,573 92
Pensions of Widows and Orphans.....	312,416 30	40,640 42	353,056 72
Totals.....	\$995,396 29	\$138,715 76	\$1,134,112 05

Recapitulation.

Receipts, June 1, 1871, to December 31, 1891.....	\$1,811,417 50
Disbursements, June 1, 1871, to December 31, 1891.....	1,134,112 05
December 31, 1891, Balance on hand.....	\$677,305 45

RECEIPTS AND DISBURSEMENTS OF THE NEW YORK FIRE DEPARTMENT LIFE INSURANCE FUND, 1871 TO 1890.

Receipts.

1871 to 1890, inclusive.....	\$241,053 87
1891.....	18,812 00
Total receipts.....	\$259,865 87

Disbursements.

1871 to 1890, inclusive.....	\$238,000 00
1891.....	18,000 00
Total disbursements.....	256,000 00
December 31, 1891, Balance on hand.....	\$3,865 87

Statement for 1891.

Dec. 31, 1890	Balance on hand.....	\$3,865 87
Dec. 31, 1891	Receipts:	
	For assessments.....	18,812 00
		\$21,865 87
Dec. 31, 1891	Disbursements—	
	To administrator of John J. Bush.....	\$1,000 00
	To executrix of Thomas F. Farron.....	1,000 00
	To administrator of Daniel C. Delaney.....	1,000 00
	To administratrix of Timothy Sullivan.....	1,000 00
	To widow of George C. Birkett.....	1,000 00
	" James Fogarty.....	1,000 00
	" Henry Teal.....	1,000 00
	" John L. Gulick.....	1,000 00
	To administrator of William Cahill.....	1,000 00
	To executor of Charles Golden.....	1,000 00
	To widow of Charles L. Clark.....	1,000 00
	" James M. Lamberson.....	1,000 00
	" John Sattler.....	1,000 00
	" James H. Shute.....	1,000 00
	" Thomas P. Knight.....	1,000 00
	To administrator of Joseph A. Cottrell.....	1,000 00
	To executrix of James F. Fitzpatrick.....	1,000 00
	To administrator of Michael Harrigan.....	1,000 00
		18,000 00
Dec. 31, 1891	Balance.....	\$3,865 87

Very respectfully,

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

CARL JUSSEN, Secretary.

DEPARTMENT OF PUBLIC WORKS.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE, NO. 31 CHAMBERS STREET,
NEW YORK, December 2, 1892.

In accordance with the provisions of section 51 of chapter 410 of the Laws of 1882, the Department of Public Works makes the following report of its transactions for the week ending November 26, 1892:

Public Moneys Received during the Week.

For Croton water rents.....	\$22,960 44
For penalties, water rents.....	264 15
For tapping Croton pipes.....	208 50
For sewer permits.....	529 54
For restoring and repaving—Special Fund.....	2,564 00
For redemption of obstructions seized.....	17 00
For vault permits.....	3,515 31
Total.....	\$30,058 94

Report of Photometrical Examinations of Illuminating Gas, for the Week ending November 26, 1892, made at the Photometrical Rooms of the Department of Public Works.

DATE.	TIME.	Thermometer.	Barometer.	GAS COMPANY.	BURNER.	Pressure as Delivered to Burner.	Consumption of Gas, Rate per hour.	Consumption of Candle, Grs. per hour.	ILLUMINATING POWER.	
									Observed.	Corrected.
Nov. 21	4:30 P.M.	70.	30.04	{ Consolidated, Branch 1.. }	Bray's Slit Union, 7	.92	5.00	114.1	24.16	22.96
" 22	3:30 P.M.	71.	30.07	"	"	.91	5.00	119.0	24.24	24.04
" 23	4:30 P.M.	69.	29.84	"	"	.92	5.00	122.4	20.40	20.82
" 25	3:30 P.M.	63.	30.07	"	"	.91	5.00	114.5	21.88	20.88
" 26	4:30 P.M.	68.	30.25	"	"	.98	5.00	121.5	18.84	19.06
								Average.	21.55	
Nov. 21	5 P.M.	70.	30.04	{ Consolidated, Branch 2.. }	Bray's Slit Union, 7	.80	5.00	121.0	18.32	18.48
" 22	3 P.M.	71.	30.07	"	"	.81	5.00	122.0	19.63	20.00
" 23	5 P.M.	69.	29.84	"	"	.83	5.00	116.7	21.04	20.46
" 25	3 P.M.	63.	30.07	"	"	.81	5.00	119.0	20.00	19.84
" 26	5 P.M.	68.	30.25	"	"	.84	5.00	119.0	19.24	19.08
								Average.	19.57	
Nov. 21	4 P.M.	70.	30.04	{ Consolidated, Branch 3.. }	Bray's Slit Union, 7	.93	5.00	121.5	22.96	23.24
" 22	4 P.M.	71.	30.07	"	"	.94	5.00	124.5	23.60	24.48
" 23	4 P.M.	69.	29.84	"	"	.95	5.00	117.2	25.76	25.16
" 25	4 P.M.	63.	30.07	"	"	.97	5.00	120.0	24.16	24.16
" 26	4 P.M.	68.	30.25	"	"	.99	5.00	120.0	26.10	26.10
								Average.	24.63	
Nov. 21	6:30 P.M.	71.	30.07	{ Consolidated, Branch 4.. }	Bray's Slit Union, 7	.64	5.00	124.5	20.08	20.83
" 22	5:30 P.M.	76.	30.12	"	"	.62	5.00	124.0	20.84	21.53
" 23	6:30 P.M.	74.	29.95	"	"	.64	5.00	124.5	20.20	20.96
" 25	5:30 P.M.	69.	30.16	"	"	.66	5.00	120.0	22.34	22.34
" 26	6:30 P.M.	76.	30.38	"	"	.66	5.00	123.5	21.04	21.64
								Average.	21.46	
Nov. 21	6 P.M.	71.	30.07	{ Consolidated, Branch 6.. }	Bray's Slit Union, 7	.70	5.00	116.3	23.20	22.48
" 22	6 P.M.	76.	30.12	"	"	.69	5.00	119.0	24.44	24.24
" 23	6 P.M.	74.	29.95	"	"	.70	5.00	124.0	24.88	25.70
" 25	6 P.M.	69.	30.16	"	"	.70	5.00	123.0	23.92	24.52
" 26	6 P.M.	76.	30.38	"	"	.70	5.00	114.1	24.60	23.38
								Average.	24.06	
Nov. 21	3 P.M.	70.	30.04	N. Y. Mutual...	Bray's Slit Union, 7	1.00	5.00	116.7	32.32	31.44
" 22	4:50 P.M.	71.	30.07	"	"	1.01	5.00	120.0	31.08	31.08
" 23	3:30 P.M.	69.	29.84	"	"	1.01	5.00	121.0	30.72	30.96
" 25	5 P.M.	63.	30.07	"	"	1.02	5.00	120.0	31.68	31.68
" 26	3 P.M.	68.	30.25	"	"	1.04	5.00	120.5	30.36	30.48
								Average.	31.13	
Nov. 21	3:30 P.M.	70.	30.04	Equitable.....	Bray's Slit Union, 7	.99	5.00	117.6	29.72	29.14
" 22	5 P.M.	71.	30.07	"	"	.99	5.00	118.1	30.00	29.52
" 23	3 P.M.	69.	29.84	"	"	.98	5.00	123.5	25.96	26.70
" 25	4:30 P.M.	63.	30.07	"	"	1.00	5.00	121.0	28.00	28.22
" 26	3:30 P.M.	68.	30.25	"	"	1.03	5.00	120.0	28.42	28.42
								Average.	28.40	
Nov. 21	5:30 P.M.	71.	30.07	Standard	Bray's Slit Union, 7	.80	5.00	120.5	25.32	25.42
" 22	6:30 P.M.	76.	30.12	"	"	.79	5.00	120.0	25.70	25.70
" 23	5:30 P.M.	74.	29.95	"	"	.80	5.00	120.0	23.46	23.46
" 25	6:30 P.M.	69.	30.16	"	"	.79	5.00	121.0	25.24	25.44
" 26	5:30 P.M.	76.	30.38	"	"	.79	5.00	124.5	23.88	24.76
								Average.	24.95	

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

Public Lamps.

- 16 new lamps lighted.
- 3 old lamps relighted.
- 1 lamp discontinued.
- 4 lamp-posts removed.
- 8 lamp-posts reset.
- 12 columns straightened.
- 2 columns refitted.
- 6 columns relaced.
- 5 stand-pipes refitted.
- 7 service-pipes refitted.

Permits Issued.

- 49 permits to tap Croton pipes.
- 57 permits to open streets.
- 20 permits to make sewer connections.
- 11 permits to repair sewer connections.
- 93 permits to place building material on streets
- 15 permits—special.
- 11 permits to construct street vaults.

Obstructions Removed.

- 36 obstructions removed from various streets and avenues.

Pavement Repaired.

- 14,071 square yards of pavement repaired during the week.

Repairing and Cleaning Sewers.

- 2 receiving-basins relieved.
- 130 receiving-basins and culverts cleaned.
- 1,660 lineal feet of sewer cleaned.
- 300 lineal feet of sewer relieved.
- 250 lineal feet of sewer examined.
- 6 lineal feet of new pipe sewer laid.
- 6 lineal feet of new pipe culvert laid.
- 1 receiving-basin repaired.
- 5 new manhole heads and covers put on.
- 7 new manhole covers put on.
- 1 new basin cover put on.
- 34 cubic feet of brickwork built.
- 16 lineal feet of crosswalk relaid.
- 48 square yards of pavement relaid.
- 79 cubic feet of earth excavated and refilled.
- 20 cart-loads of earth filling.
- 392 cart-loads of dirt removed.

Statement of Laboring Force Employed in the Department of Public Works during the Week ending November 26, 1892.

NATURE OF WORK.	MECHANICS.	LABORERS.	TEAMS.	CARTS.
Aqueduct—Repairs, Maintenance and Strengthening	26	140	7	13
Laying Croton Pipes.....	1	13	3	..
Repairing and Renewal of Pipes, Stop-cocks, etc.....	67	164	1	13
Bronx River Works—Maintenance and Repairs.....	1	30	7	..
Supplying Water to Shipping.....	5	..	..	..
Repairing and Cleaning Sewers.....	27	58	..	33
Repairs and Renewals of Pavement.....	283	322	4	100
Boulevards, Roads and Avenues, Maintenance of.....	6	78	33	6
Roads, Streets and Avenues.....	15	34	3	1
Totals.....	431	839	58	166
Increase over previous week	2	1	..	..
Decrease from previous week.....	..	..	..	5.

Contracts Entered Into.

NATURE AND LOCATION OF WORK.	CONTRACTOR.	ESTIMATED COST.
Flagging, etc., One Hundred and Thirty-second street, from Broadway to Amsterdam avenue.....	Denis McGrath.....	\$1,178 30
Flagging, etc., Sixty-third street, from Central Park, West, to Boulevard.....	"	1,802 25
Paving One Hundred and First street, from Boulevard to Riverside Drive.....	F. Thiemann, Jr.....	7,299 85
Taking up and relaying pavement in Spruce street, from Nassau to William street; Maiden Lane, from Broadway to William street; Nassau street, from Beekman to Fulton street; Ann street, from Broadway to Nassau street, and Roosevelt street, from New Chambers to Cherry street.....	James Quinn	3,390 60
Taking up and relaying pavement in Rector street, from Broadway to Church street; Warren street, from Broadway to College place; Murray street, from Broadway to College place, and Dey street, from Broadway to Church street.....	"	3,936 00
Putting gas and electric-light fixtures in the New Harlem Court-house, One Hundred and Twenty-first street and Sylvan place.....	Mitchell Vance Co.....	1,560 87

Assessment Lists Made.

NATURE OF WORK.	LOCATION OF WORK.	AMOUNT.
Paving.....	One Hundred and Twenty-second street, from Eighth to Manhattan avenue.....	\$2,578 81
Flagging, etc.....	Eighth avenue, from One Hundred and Forty-eighth to One Hundred and Fifty-fourth street.....	3,512 11

Requisitions on the Comptroller.

The total amount of requisitions drawn by the Department on the Comptroller during the week is \$165,649.39.

THOS. F. GILROY, Commissioner of Public Works.

BOARD OF STREET OPENING AND IMPROVEMENT.

The Board of Street Opening and Improvement met at the Mayor's office on Friday, January 6, 1893, at 2 o'clock P.M., pursuant to the usual notice.

The roll was called, and the following members were present and answered to their names:

The Mayor, the Commissioner of Public Works, the President of the Department of Public Parks and the President of the Board of Aldermen—4.

Absent—The Comptroller and the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards—2.

On motion, the Mayor was elected Chairman of the Board, and Mr. V. B. Livingston was re-elected Secretary.

The minutes of the meeting of December 28, 1892, were read and approved.

On taking the Chair, the Mayor took occasion to refer to the long delays, and unnecessary use of red tape, attendant upon the present mode of opening streets, and expressed the opinion that some legislation was needed to enable the City to enter at once upon the bed of the street, whenever action for the opening of such street is taken by this Board; and that the Commissioners of Estimate and Assessment appointed in such proceeding, be required to complete and file their report within a reasonable time.

On account of the absence of the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards, several matters relating to that section of the city were laid over.

The Board then proceeded to the consideration of a map or plan for the extension and widening of Elm street, submitted by the Commissioner of Public Works, and entitled, "Plan of the proposed extension and widening of Elm street, from Chambers street to Great Jones street," signed by J. O. B. Webster, Assistant Engineer, Department Public Works, and dated January 6, 1893. After some discussion, the plan was finally adopted, and the Mayor offered the following resolutions:

Resolved, That the Board of Street Opening and Improvement of the City of New York, does hereby adopt and approve of the recommendation submitted this day by the Commissioner of Public Works, for the proposed widening and extension of Elm street, from Chambers street to Great

Jones street, as laid down on a certain map, which is hereby adopted, dated January 6, 1893, and signed by Joseph O. B. Webster, Assistant Engineer of the Department of Public Works, and upon the blue lines marked "A" on said map.

Resolved, That the Commissioner of Public Works be requested to furnish this Board with two similar maps, with technical description, for filing.

Which were adopted by the following vote:
Affirmative—The Mayor, the Comptroller, the Commissioner of Public Works, the President of the Department of Public Parks, and the President of the Board of Aldermen—5.

Resolved, That the Board of Street Opening and Improvement, deeming it for the public interest so to do, hereby respectfully requests the Counsel to the Corporation to take the necessary proceedings, in the name of the Mayor, Aldermen and Commonalty of the City of New York, to acquire title, whenever the same has not been heretofore acquired, for the use of the public, to the lands required for the opening, widening and extension of Elm street from Chambers street to Great Jones street.

Which was adopted by the following vote:
Affirmative—The Mayor, the Comptroller, the Commissioner of Public Works, the President of the Department of Public Parks, and the President of the Board of Aldermen—5.

The Comptroller having joined the meeting during the process of voting on the foregoing resolutions.

The Board then adjourned.

V. B. LIVINGSTON, Secretary.

DEPARTMENT OF STREET IMPROVEMENTS, TWENTY-THIRD AND TWENTY-FOURTH WARDS.

CITY OF NEW YORK—COMMISSIONER OF STREET IMPROVEMENTS,
TWENTY-THIRD AND TWENTY-FOURTH WARDS,
No. 2622 THIRD AVENUE, CORNER 141ST STREET,
COMMISSIONER'S OFFICE, January 7, 1893.

To the Supervisor of the City Record:

SIR—In compliance with section 51 of chapter 410 of the Laws of 1882, the office of Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards makes the following report of its transactions for the five days ending January 5, 1893:

Permits Issued.	
For sewer connections.....	7
For Croton connections.....	4
For Croton repairs.....	7
For crossing sidewalk with team.....	1
For placing building material.....	3

Total..... 22

Public Moneys Received.	
For sewer connections.....	\$70 00
For restoring pavements.....	38 00

Total..... \$108 00

Plans and Specifications Approved.
Regulating and grading Railroad avenue, from One Hundred and Thirty-fifth to One Hundred and Fifty-sixth street.

Regulating and paving St. Ann's avenue, from One Hundred and Fifty-sixth street to Third avenue.

Laboring Force Employed during the Week.	
Foremen.....	3
Skilled Laborers.....	5
Sewer Laborers.....	6
Laborers.....	29
Carts.....	3
Team.....	1
Carpenter.....	1
Painter.....	1
Paver.....	1
Blacksmith.....	1
Cleaners.....	2
Total.....	53

Total amount of requisitions drawn upon the Comptroller..... \$12,327 06

Respectfully,
LOUIS J. HEINTZ, Commissioner.

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, 9 A. M. to 4 P. M.; Saturdays, 10 A. M. to 12 M.
THOMAS F. GILROY, Mayor. WILLIS HOLLY, Secretary and Chief Clerk.

Mayor's Marshal's Office.
No. 1 City Hall, 9 A. M. to 4 P. M.
DANIEL ENGELHARD, First Marshal.
GEORGE E. BEST, Second Marshal.

COMMISSIONERS OF ACCOUNTS.

Rooms 114 and 115, Stewart Building, 9 A. M. to 4 P. M.
CHARLES G. F. WAHLE and EDWARD OWENS.

AQUEDUCT COMMISSIONERS.

Room 209, Stewart Building, 5th floor, 9 A. M. to 4 P. M.
JAMES C. DUANE, President; JOHN J. TUCKER, FRANCIS M. SCOTT, H. W. CANNON, and the MAYOR, COMPTROLLER and COMMISSIONER OF PUBLIC WORKS; ex officio, Commissioners; J. C. LUTLEY, Secretary; A. FTELVEY, Chief Engineer; E. A. WOLFF, Auditor.

BOARD OF ARMORY COMMISSIONERS.

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

COMMON COUNCIL.

Office of Clerk of Common Council.
No. 8 City Hall, 9 A. M. to 4 P. M.
GEORGE B. MCCLRELLAN, President Board of Aldermen.
MICHAEL F. BLAKE, Clerk Common Council.

DEPARTMENT OF PUBLIC WORKS.

No. 31 Chambers street, 9 A. M. to 4 P. M.
MICHAEL T. DALY, Commissioner; MAURICE F. HOLAHAN, Deputy Commissioner (Room A).
ROBERT H. CLIFFORD, Chief Clerk (Room 6).
GEORGE W. BIRDSALL, Chief Engineer (Room 9); JOSEPH RILEY, Water Register (Rooms 2, 3 and 4); WM. M. DEAN, Superintendent of Street Improvements (Room 5); HORACE LOOMIS, Engineer in Charge of Sewers (Room 9); WILLIAM G. BERGEN, Superintendent of Repairs and Supplies (Room 15); MAURICE E. FEATHERSON, Water Purveyor (Room 11); STEPHEN H. MCCORMICK, Superintendent of Lamps and Gas (Room 11); ———, Superintendent of Streets and Roads (Room 12); MICHAEL F. CUMMINGS, Superintendent of Incumbrances (Room 16).

DEPARTMENT OF STREET IMPROVEMENTS

TWENTY-THIRD AND TWENTY-FOURTH WARDS.
No. 2622 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.

Auditing Bureau.
Nos. 19, 21, 23 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
WILLIAM J. LYON, First Auditor.
JOHN F. GOULDSBURY, Second Auditor.

Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents.
Nos. 31, 33, 35, 37, 39 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
OSBORNE MACDANIEL, Collector of Assessments and Clerk of Arrears.
No money received after 2 P. M.

Bureau for the Collection of City Revenue and of Markets.
Nos. 1 and 3 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
JOHN A. SULLIVAN, Collector of the City Revenue and Superintendent of Markets.
No money received after 2 P. M.

Bureau for the Collection of Taxes.
No. 57 Chambers street and No. 35 Reade street, Stewart Building, 9 A. M. to 4 P. M.
GEORGE W. MCLEAN, Receiver of Taxes; DAVID E. AUSTEN, Deputy Receiver of Taxes.
No money received after 2 P. M.

Bureau of the City Chamberlain.
Nos. 25, 27 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
THOMAS C. T. CRAIN, City Chamberlain.

Office of the City Paymaster.
No. 33 Reade street, Stewart Building, 9 A. M. to 4 P. M.
JOHN H. TIMMERMAN, City Paymaster.

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. 40 Beekman street, 9 A. M. to 4 P. M.
WILLIAM M. HOES, Public Administrator.

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

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.

POLICE DEPARTMENT

Central Office.
No. 300 Mulberry street, 9 A. M. to 4 P. M.
JAMES J. MARTIN, President; CHARLES F. MACLEAN, JOHN MCCLAVE and JOHN C. SHEEHAN, Commissioners; WILLIAM H. KIFF, 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; CHAS. E. SIMMONS, M. D., and EDWARD C. SHEEHY, Commissioners; GEORGE F. BRITTON, Secretary.
Purchasing Agent, FREDERICK A. CUSHMAN. Office hours, 9 A. M. to 4 P. M. Saturdays, 12 M.
Plans and Specifications, Contracts, Proposals and Estimates for Work and Materials for Building, Repairs and Supplies, Bills and Accounts, 9 A. M. to 4 P. M. Saturdays, 12 M. CHARLES BENN, General Bookkeeper. Out-Door Poor Department. Office hours, 8.30 A. M. to 4.30 P. M. WILLIAM BLAKE, Superintendent. Entrance on Eleventh street.

DEPARTMENT OF BUILDINGS.

No. 220 Fourth avenue, corner of Eighteenth street, A. M. to 4 P. M.
THOMAS J. BRADY, Superintendent.

FIRE DEPARTMENT.

Office hours for all, except where otherwise noted, from 9 A. M. to 4 P. M. Saturdays, to 12 M.

Headquarters.
Nos. 127 and 129 East Sixty-seventh street.
S. HOWLAND ROBBINS, President; ANTHONY EICKHOFF and JOHN J. SCANNELL, Commissioners; CARL J. JESSEN, Secretary.
HUGH BONNER, Chief of Department; PETER SEERY, Inspector of Combustibles; JAMES MITCHELL, Fire Marshal; WM. L. FINDLEY, Attorney to Department; J. ELLIOT SMITH, Superintendent of Fire Alarm Telegraph.
Central Office open at all hours.

HEALTH DEPARTMENT

No. 301 Mott street, 9 A. M. to 4 P. M.
CHARLES G. WILSON, President, and JOSEPH D. BRYANT, M. D., the PRESIDENT of the POLICE BOARD and HEALTH OFFICER of the PORT, ex officio, Commissioners; EDMONS CLARK, Secretary.

DEPARTMENT OF PUBLIC PARKS.

Emigrant Industrial Savings Bank Building, Nos. 49 and 51 Chambers street, 9 A. M. to 4 P. M. Saturdays, 12 M.
PAUL DANA, President; ABRAHAM B. TAPPEN, NATHAN STRAUS and HENRY WINTHROP GRAY, Commissioners; CHARLES DE F. BURNS, Secretary.

DEPARTMENT OF DOCKS.

Battery, Pier A, North river.
J. SERGEANT CRAM, President; EDWIN A. POST and JAMES J. PHELAN, Commissioners; 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; EDWARD L. PARRIS and GEORGE C. CLAUSEN, Commissioners; FLOYD T. SMITH, Secretary.

DEPARTMENT OF STREET CLEANING.

Stewart Building. Office hours, 9 A. M. to 4 P. M.
THOMAS S. BRENNAN, Commissioner; JOHN J. RYAN, Deputy Commissioner; J. JOSEPH SCULLY, Chief Clerk.

CIVIL SERVICE SUPERVISORY AND EXAMINING BOARDS.

Cooper Union, 9 A. M. to 4 P. M.
JAMES THOMSON, Chairman; WILLIAM HILDRETH FIELD and HENRY MARQUAND, Members of the Supervisory Board; LEE PHILLIPS, Secretary and Executive Officer.

BOARD OF ESTIMATE AND APPORTIONMENT

The MAYOR, Chairman; E. P. BARKER (President), Department of Taxes and Assessments, Secretary; the COMPTROLLER and PRESIDENT of the BOARD of ALDERMEN, Members; CHARLES V. ADER, 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; EDWARD CAHILL, CHARLES E. WENDT and PATRICK M. HAVERTY; WM. H. JASPER, Secretary.

BOARD OF EXCISE.

No. 54 Bond street, 9 A. M. to 4 P. M.
LEICESTER HOLME, WILLIAM S. ANDREWS and WILLIAM DALTON, Commissioners; JAMES F. BISHOP, Secretary.

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.
FERDINAND LEVY, Register; JOHN VON GLAHN, 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.
HENRY D. PURROY, 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; EDWARD T. FLYNN, Chief Clerk.

THE CITY RECORD OFFICE,

And Bureau of Printing, Stationery, and Blank Books.
No. 2 City Hall, 9 A. M. to 5 P. M., except Saturdays, on which days 9 A. M. to 12 M.
W. J. K. KENNY, Supervisor; DAVID RYAN, Assistant Supervisor; JOHN J. MCGRATH, Examiner.

CORONERS' OFFICE.

No. 27 Chambers street, 8 A. M. to 5 P. M. Sundays and holidays, 8 A. M. to 12.30 P. M.
MICHAEL J. B. MESSEMER, LOUIS W. SCHULTZE, JOHN B. SHEA, and WILLIAM J. MCKENNA, Coroners; EDWARD F. REYNOLDS, Clerk of the Board of Coroners.

SURROGATE'S COURT.

New County Court-house. Court opens at 10.30 A. M. adjourns 4 P. M.
RASTUS S. RANSOM and FRANK T. FITZGERALD, Surrogates; WILLIAM V. LEARY, Chief Clerk.

SUPREME COURT

Second floor, New County Court-house, opens 12.30 A. M.; adjourns 4 P. M.
CHARLES H. VAN BRUNT, Presiding Justice; GEORGE L. INGRAHAM, ABRAHAM R. LAWRENCE, GEORGE C. BARRETT, GEORGE P. ANDREWS, EDWARD PATTERSON and MORGAN J. O'BRIEN, Justices; HENRY D. PURROY, Clerk.
General Term, Room No. 9, WILLIAM LAMB, Jr., Clerk.
Special Term, Part I., Room No. 10, HUGH DONNELLY, Clerk.
Special Term, Part II., Room No. 18, WILLIAM J. HILL, Clerk.
Chambers, Room No. 11, AMBROSE A. MCCALL, Clerk.
Circuit, Part I., Room No. 12, WALTER A. BRADY, Clerk.
Circuit, Part II., Room No. 14, JOHN LERSCHER, Clerk.
Circuit, Part III., Room No. 13, GEORGE F. LYON, Clerk.
Circuit, Part IV., Room No. 15, J. LEWIS LYON, Clerk.

SUPERIOR COURT.

Third floor, New County Court-house, opens 11 A. M. adjourns 4 P. M.
General Term, Room No. 35.
Special Term, Room No. 33.
Equity Term, Room No. 30.
Chambers, Room No. 33.
Part I., Room No. 34.
Part II., Room No. 35.
Part III., Room No. 36.
Naturalization Bureau, Room No. 31.
Clerk's Office, Room No. 31, 9 A. M. to 4 P. M.
JOHN SEDGWICK, Chief Judge; JOHN J. FREEDMAN, CHARLES H. TRUAX, P. HENRY DUGRO, DAVID MCADAM and HENRY A. GILDERSLEEVE, Judges; THOMAS BOESE, Chief Clerk.

COURT OF COMMON PLEAS

Third floor, New County Court-house, 9 A. M. to 4 P. M.
Assignment Bureau, Room No. 23, 9 A. M. to 4 P. M.
Clerk's Office, Room No. 21, 9 A. M. to 4 P. M.
General Term, Room No. 24, 11 o'clock A. M. to adjournment.
Special Term, Room No. 22, 11 o'clock A. M. to adjournment.
Chambers, Room No. 22, 10.30 o'clock A. M. to adjournment.
Part I., Room No. 26, 11 o'clock A. M. to adjournment.
Part II., Room No. 24, 11 o'clock A. M. to adjournment.
Equity Term, Room No. 25, 11 o'clock A. M. to adjournment.
Naturalization Bureau, Room No. 23, 9 A. M. to 4 P. M.
JOSEPH F. DALY, Chief Judge; MILES BEACH, HENRY BOOKSTAYER, HENRY BISCHOFF, JR., ROGER A. PRYOR and LEONARD A. GIEGERICH, Judges; ALFRED WAGSTAFF, Chief Clerk.

OYER AND TERMINER COURT

New County Court-house, second floor, southeast corner Room No. 12. Court opens at 10.30 o'clock A. M.
JOHN F. CARROLL, Clerk. Office, Brown-stone Building, City Hall Park, second floor, northwest corner, Room No. 11, 10 A. M. till 4 P. M.

CIVIL SERVICE SUPERVISORY AND EXAMINING BOARDS.

NEW YORK CITY CIVIL SERVICE BOARDS,
COOPER UNION,
NEW YORK, January 4, 1893.

PUBLIC NOTICE IS HEREBY GIVEN THAT open competitive examinations for the positions below mentioned will be held at this office upon the date specified:
January 10. TELEGRAPH OPERATOR, Police Department.
January 10. INSPECTOR in the office of the Mayor's Marshal.

LEE PHILLIPS,
Secretary and Executive Officer.

DEPARTMENT OF TAXES AND ASSESSMENTS.

DEPARTMENT OF TAXES AND ASSESSMENTS,
STAATS ZEITUNG BUILDING,
NEW YORK, January 9, 1893.

IN COMPLIANCE WITH SECTION 87 OF THE New York City Consolidation Act of 1882, it is hereby advertised that the books of "The Annual Record of the Assessed Valuations of Real and Personal Estate" of the City and County of New York, for the year 1893, are open, and will remain open for examination and correction until the thirtieth day of April, 1893.
All persons believing themselves aggrieved must make application to the Commissioners of Taxes and Assessments, at this office, during the period said books are open, in order to obtain the relief provided by law.
Applications for correction of assessed valuations on personal estate must be made by the person assessed to the said Commissioners, between the hours of 10 A. M. and 2 P. M., except on Saturdays, when between 10 A. M. and 12 M., at this office, during the same period.
EDWARD P. BARKER,
GEORGE C. CLAUSEN,
EDWARD L. PARRIS,
Commissioners of Taxes and Assessments.

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.

DEPARTMENT OF PUBLIC PARKS.

AUCTION SALE.

THE DEPARTMENT OF PUBLIC PARKS WILL sell at Public Auction, at the office of the Central Park Menagerie, in the Arsenal Building, Sixty-fourth street and Fifth avenue, Central Park, on Thursday, January 26, 1893, at 11 o'clock A. M.,

ONE FEMALE HIPPOPOTAMUS, one and one-half years old, weighing about 1,200 pounds, in the best of health and very gentle.
The purchase money to be paid in bankable funds at the time of sale.
The animal to be removed from the Menagerie by the purchaser within five days from time of sale.
By order of the Department of Public Parks.
CHARLES DE F. BURNS,
Secretary.

CORPORATION NOTICE.

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

List 3020, No. 1. Regulating, grading, curbing and flagging One Hundred and Thirty-eighth street, from Fifth to Lenox avenue.

List 4008, No. 2. Receiving-basins, northwest corner One Hundred and Twenty-third street, and northwest, northeast and southeast corners of One Hundred and Twenty-fourth street and Seventh avenue.

List 4000, No. 3. Flagging and reflagging, curbing and receding both sides of Thirty-first, Thirty-second and Thirty-third streets, from First avenue to the East river.

List 4011, No. 4. Paving One Hundred and Twenty-first street, from Avenue A to the Harlem river, with granite blocks and laying crosswalks.

List 4012, No. 5. Laying crosswalks across Columbus avenue, at south side of One Hundred and Twenty-fourth street; across One Hundred and Twenty-fourth street, at East side of Columbus avenue, and across Hancock place, at east side of Columbus avenue.

List 4016, No. 6. Regulating, grading, curbing and flagging One Hundred and Sixty-fifth street, from Eleventh avenue to the Boulevard.

List 4018, No. 7. Re-regulating, regrading, curbing and flagging One Hundred and Forty-eighth street, from Amsterdam avenue to St. Nicholas avenue.

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

No. 1. Both sides of One Hundred and Thirty-eighth street, from Fifth to Sixth avenue.

No. 2. On Block 825, Ward Numbers 18 to 20½, inclusive; on Block 821, Ward Numbers 18 to 20, inclusive; on Block 711, Ward Numbers 1 and 4½ to 18, inclusive, and on Block 710, Ward Numbers 47 to 64, inclusive, and Ward Numbers 1 to 14½, inclusive, in the Twelfth Ward.

No. 3. Both sides of Thirty-first, Thirty-second and Thirty-third streets, from First avenue to the East river.

No. 4. Both sides of One Hundred and Twenty-first street, from Avenue A to the Harlem river, and to the extent of half the block at the intersecting avenues.

No. 5. On Block 925, Ward Numbers 37 to 64, inclusive; on Block 336, Ward Numbers 1, 4, 5, 6, 7, 61, 62, 63 and 64, and on Block 1050, Ward Numbers 33 to 48, inclusive.

No. 7. Both sides of One Hundred and Forty-eighth street, from Amsterdam to St. Nicholas avenue.

All persons whose interests are affected by the above-named assessments, and who are opposed to the same, or either of them, are requested to present their objections in writing to the Chairman of the Board of Assessors, at their office, No. 27 Chambers street, within thirty days from the date of this notice.

The above-described lists will be transmitted, as provided by law, to the Board of Revision and Correction of Assessments for confirmation on the 11th day of February, 1893.

EDWARD GILON, Chairman,
PATRICK M. HAVERTY,
CHARLES E. WENDT,
EDWARD CAHILL,
Board of Assessors.

OFFICE OF THE BOARD OF ASSESSORS,
No. 27 CHAMBERS STREET,
NEW YORK, January 10, 1893.

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

List 4007, No. 1. Flagging and reflagging, curbing and receding south side of One Hundred and Fourth street, from Madison to Fifth avenue.

List 4010, No. 2. Fencing vacant lots on the north side of One Hundred and Fifteenth street, between Fifth and Lenox avenues.

List 4020, No. 3. Flagging and reflagging, curbing and receding north side of One Hundred and Seventy-fifth street, between Kingsbridge road and Eleventh avenue.

List 4021, No. 4. Fencing vacant lots on the north side of Eighty-ninth street, from West End avenue to Riverside Drive.

List 4022, No. 5. Flagging and reflagging, curbing and receding sidewalks in front of Nos. 86 and 88 Vandam street.

List 4025, No. 6. Flagging and reflagging north side of West Seventy-second street, extending from the easterly curb line of West End avenue easterly about 130 feet.

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

No. 1. South side of One Hundred and Fourth street, from Madison to Fifth avenue.

No. 2. North side of One Hundred and Fifteenth street, between Fifth and Lenox avenues, on Block 600, Ward Nos. 9 to 17, inclusive.

No. 3. North side of One Hundred and Seventy-fifth street, from Kingsbridge road to Eleventh avenue.

No. 4. North side of Eighty-ninth street, east of Riverside Drive, on Block 126, Ward Nos. 10 and 21.

No. 5. Nos. 86 and 88 Vandam street, known as Ward Nos. 2274 and 2275.

No. 6. Block 207, Ward No. 1.

All persons whose interests are affected by the above-named assessments, and who are opposed to the same, or either of them, are requested to present their objections in writing to the Chairman of the Board of Assessors, at their office, No. 27 Chambers street, within thirty days from the date of this notice.

The above-described lists will be transmitted, as provided by law, to the Board of Revision and Correction of Assessments for confirmation on the 30th day of January, 1893.

EDWARD GILON, Chairman,
PATRICK M. HAVERTY,
CHAS. E. WENDT,
EDWARD CAHILL,
Board of Assessors.

OFFICE OF THE BOARD OF ASSESSORS,
No. 27 CHAMBERS STREET,
NEW YORK, December 28, 1892.

DEPARTMENT OF DOCKS.

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

TO CONTRACTORS.

(No. 433.)

PROPOSALS FOR ESTIMATES FOR THE REMOVAL OF PIER OLD THE STRUCTURE THEREON, AND DREDGING OVER SITE OF SAME, ON THE NORTH RIVER.

ESTIMATES FOR REMOVAL OF PIER OLD 42, the structure thereon, and dredging over site of same, on the North river, 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 park, North river, in the City of New York, until 1 o'clock P.M. of

THURSDAY, JANUARY 10, 1893, 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 Eight Thousand Six Hundred Dollars.

The Engineer's estimate of the nature, quantities and extent of the work is as follows:

CLASS I.
Labor of removing the existing Pier and Dumping-board thereon.

CLASS II.
Mud Dredging, about..... 20,000 cubic yards.

CLASS III.
Crib Dredging, about..... 16,000 "

CLASS IV.
Dredging Crib-work not filled in with

stone, about..... 1,200 "

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 locations of the proposed work, 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 each class of 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.

The work to be done under the contract is to be commenced on or about January 25, 1893, or within five days after notification from the Engineer-in-Chief of the Department of Docks that the premises are in such condition that the work can proceed, and the entire work is to be fully completed on or before the expiration of three months after the date of said notification from the Engineer-in-Chief or within as many days thereafter as the dumping-board on the pier may be in use or occupied by the Department of Street Cleaning, or by the Department of Docks, one month after the date of notification from the Engineer-in-Chief, 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.

All the old material taken from the structures to be removed under the contract, except such portions hereinafter specified which are to be delivered to the Department of Docks, will become the property of the contractor, and bidders must estimate the value of such material when considering the prices for which they will do the work under the contract.

Bidders will state in their estimates a price for the whole of the work to be done, in each class, in conformity with the approved form of agreement and the specifications therein set forth, by which prices the bids will be tested. These prices are 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 each class of 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 is 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 in the City of New York, 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 sureties for its faithful performance in the sum of one thousand five hundred (\$1,500) dollars; and that if he shall omit or refuse to execute the same, they will 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 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 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.

J. SERGEANT CRAM,
EDWIN A. POST,
JAMES J. PHELAN,

Commissioners of the Department of Docks.
Dated NEW YORK, January 6, 1893.

FIRE DEPARTMENT.

HEADQUARTERS FIRE DEPARTMENT,
157 AND 159 EAST SIXTY-SEVENTH STREET,
NEW YORK, January 5, 1893.

TO CONTRACTORS.

SEALED PROPOSALS FOR FURNISHING the materials and labor and doing the work required in repairing the fire-boat "William F. Havemeyer," of this Department, will be received by the Board of Commissioners at the head of the Fire Department, at the office of said Department, Nos. 157 and 159 East Sixty-seventh street, in the City of New York, until 10 o'clock A. M., Wednesday, January 18, 1893, at which time and place they will be publicly opened by the head of said Department and read.

No estimate will be received or considered after the hour named.

For information as to the amount and kind of work to be done, bidders are referred to the specifications, which form part of these proposals.

The form of the agreement, with specifications, showing the manner of payment for the work, may be seen, and forms of proposals may be obtained at the office of the Department.

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

The work is to be completed and delivered within thirty (30) days after the execution of the contract.

The damages to be paid by the contractor for each day that the contract may be unfulfilled after the time specified for the completion thereof shall have expired, are fixed and liquidated at twenty (\$20) dollars.

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

Any person making an estimate for the work shall present 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 Fire Department reserves the right to decline any and all bids or estimates if deemed to be for the public interest. 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.

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; 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 of the City of New York, 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 sureties for its faithful performance in the sum of one thousand five hundred (\$1,500) dollars; and that if he shall omit or refuse to execute the same, they will 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 law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of two hundred and fifty (\$250) dollars. 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.

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

1,600 bags first quality Bran, 40 pounds to the bag.—will be received by the Board of Commissioners at the head of the Fire Department, at the office of said Department, Nos. 157 and 159 East Sixty-seventh street, in the City of New York, until 10 o'clock A. M., Wednesday, January 11, 1893, at which time and place they will be publicly opened by the head of said Department and read.

All of the articles are to be delivered at the various houses of the Department, in such quantities and at such times as may be directed.

No estimate will be received or considered after the hour named.

The form of the agreement (with specifications), showing the manner of payment for the articles, may be seen and forms of proposals may be obtained at the office of the Department.

Proposals must include all the items, specifying the price per cwt. for hay and straw, and per bag for oats and bran.

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

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

Any person making an estimate for the above shall present 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 Fire Department reserves the right to decline any and all bids or estimates, if deemed to be for the public interest. 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.

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; 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 of the City of New York, 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 sureties for its faithful performance in the sum of five thousand (\$5,000) dollars; and that if he shall omit or refuse to execute the same, they will 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 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 law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of two hundred and fifty (\$250) dollars. 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.

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

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

BOARD OF CITY RECORD.

OFFICE OF THE CITY RECORD,
No. 2 CITY HALL,
NEW YORK, December 29, 1892.

PROPOSALS FOR FURNISHING STATIONERY AND CERTAIN BOOKS AND BINDING FOR THE USE OF COURTS AND THE DEPARTMENTS AND BUREAUS OF THE GOVERNMENT OF THE CITY OF NEW YORK.

TO STATIONERS AND BOOKBINDERS.

SEALED ESTIMATES FOR SUPPLYING THE City Government with Stationery, Paper, Ink, Pens, Pencils, Penholders, Rubber Bands, etc., and certain Books and Binding—will be received at the office of the Supervisor of the City Record, Room No. 2, until 12 o'clock M. of Thursday, the 12th day of January, 1893, at or about which time said estimates will be publicly opened and read in the office of the Mayor.

Each person making an estimate shall inclose it in a sealed envelope, indorsed "Estimate for furnishing Stationery," and with his name and the date of its presentation.

Each estimate shall state the name and place of residence of the person making it; if there is more than one such person, their names and residences must be given; and if only one person is interested in the estimate it must 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 estimate

HEADQUARTERS FIRE DEPARTMENT,
Nos. 157 AND 159 EAST SIXTY-SEVENTH STREET,
NEW YORK, December 27, 1892.

TO CONTRACTORS.

SEALED PROPOSALS FOR FURNISHING THIS Department with the following articles:

400,000 pounds Hay, of the quality and standard known as Best Sweet Timothy.
80,000 pounds good, clean Rye Straw.
4,000 bags clean No. 1 White Oats, 80 pounds to the bag.

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, upon its being so awarded, become bound as his sureties for its faithful performance; and that if he shall omit or refuse to execute the bond required by law, the 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 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 preliminary security required, and in the proposals stated, 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.

The amount of security required upon the execution of the contract will be in each case fifty per cent. of the estimated cost of the articles awarded to each contractor; the amount of preliminary security to be given until each award, and in which the sureties shall justify, shall be Seven Hundred and Fifty Dollars.

Should the person 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 bid or proposal, and that the adequacy and sufficiency of the security offered has been approved by the Comptroller, or if he accept but do not execute the contract and give the proper security, he 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.

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, and no estimate will be accepted from, or a contract awarded to, any person not having at the time of making his estimate full, suitable and sufficient facilities for performing the work specified in his estimate.

No estimate will be received or considered unless accompanied by either a certified check upon one of the National or State Banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of fifty per centum of the amount of the preliminary 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 Supervisor of the City Record, 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 Supervisor 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.

Permission will not be given for the withdrawal of any bid or estimate, and the right is expressly reserved by the undersigned city officers to reject any or all bids which may be deemed prejudicial to the public interests.

A separate contract will be made with the lowest bidder for each and every class of Stationery involving an expenditure of more than five hundred dollars, and the Board of City Record expressly reserves the right to make a contract with the lowest bidder on any class involving the expenditure of a lesser sum.

The Stationery is to be put up in packages according to schedules to be furnished to the contractors by the Supervisor of the City Record, and according to the most approved methods followed in the stationery trade for the preservation of goods. The contractors must complete the delivery of the goods at the office of the City Record within twenty days from the execution of the contracts.

DESCRIPTION OF ARTICLES.

For particulars as to the quantities and kinds of Stationery, reference must be had to the specifications copies of which may be procured from the Supervisor of the City Record, or may be seen in the Department of Public Works, where they are on file with certain samples. When the description of an article is not complete in the specifications, and no sample is on file in the Department of Public Works, the contractor must supply an article in every respect like that in use in the Department making the requisition.

HUGH J. GRANT,

Mayor;

WILLIAM H. CLARK,

Counsel to the Corporation;

THOMAS F. GILROY,

Commissioner of Public Works.

W. J. K. KENNY,

Supervisor of the City Record.

POLICE DEPARTMENT.

POLICE DEPARTMENT—CITY OF NEW YORK,
OFFICE OF THE PROPERTY CLERK (Room No. 9),
No. 300 MULBERRY STREET,
NEW YORK, 1893.

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 claimants: 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

DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
Room 6, No. 31 CHAMBERS STREET,
NEW YORK, January 4, 1893.

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, January 17, 1893, at which place and hour they will be publicly opened by the head of the Department.

No. 1. FOR FURNISHING AND DELIVERING ICE IN THE DEPARTMENT OF PUBLIC WORKS AND THE PUBLIC BUILDINGS AND OFFICES IN CARE OF SAID DEPARTMENT FOR THE YEAR ENDING DECEMBER 31, 1893.

No. 2. FOR FURNISHING CAST-IRON WATER PIPES, BRANCH PIPES AND SPECIAL CASTINGS.

No. 3. FOR FURNISHING, DELIVERING AND LAYING WATER MAINS IN SECOND AVENUE, between One Hundred and Third and Fifty-eighth streets.

No. 4. FOR FURNISHING AND DELIVERING TAPPING COCKS AND TAPPING COCK BOXES.

No. 5. FOR FURNISHING CAST-IRON WATER PIPES, BRANCH PIPES AND SPECIAL CASTINGS.

No. 6. FOR FURNISHING AND DELIVERING STOP COCKS, HYDRANTS, WOODEN HYDRANT BOXES AND CAST-IRON STOP COCK BOXES.

No. 7. FOR FURNISHING THE DEPARTMENT OF PUBLIC WORKS WITH FIVE THOUSAND EIGHT HUNDRED (5,800) GROSS TONS, 2,240 pounds to a ton, of EGG-SIZE WILKESBARRE COAL.

No. 8. FOR SEWER IN NINETY-SIXTH STREET, between Madison and Park avenues.

No. 9. FOR SEWER IN ONE HUNDRED AND FIFTH STREET, between Central Park, West, and Manhattan avenue.

No. 10. FOR SEWER IN ONE HUNDRED AND SEVENTEENTH STREET, between Lenox and Seventh avenues.

No. 11. FOR SEWER IN ONE HUNDRED AND FORTY-SECOND STREET, between Lenox avenue and Harlem river.

No. 12. FOR ALTERATION AND IMPROVEMENT TO SEWER IN ONE HUNDRED AND ELEVENTH STREET, between Harlem river and First 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 a 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 fifty 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 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 6, 10 and 15, No. 31 Chambers street.

MAURICE F. HOLAHAN,
Deputy and Acting Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
Room 6, No. 31 CHAMBERS STREET,
NEW YORK, December 27, 1892.

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 Wednesday, January 11, 1893, at which place and hour they will be publicly opened by the head of the Department.

No. 1. FOR RE-REGULATING AND REGRADING ONE HUNDRED AND THIRTY-THIRD STREET, from Boulevard to Twelfth avenue, AND SETTING CURB-STONES AND FLAGGING SIDEWALKS THEREIN.

No. 2. ESTIMATES FOR FURNISHING ILLUMINATING GAS FOR LIGHTING THE PUBLIC MARKETS, ARMORIES, BUILDINGS AND OFFICES OF THE CITY OF NEW YORK, FOR THE PERIOD FROM JANUARY 1, 1893, TO DECEMBER 31, 1893, BOTH DAYS INCLUSIVE.

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 a 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 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 6 and 11, No. 31 Chambers street.

THOS. F. GILROY,
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
No. 31 CHAMBERS STREET,
NEW YORK.

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, contained 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 assessment 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 work 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.

MICHAEL T. DALY,
Commissioner of Public Works

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,
No. 66 THIRD AVENUE,
NEW YORK, December 28, 1892.

TO CONTRACTORS.

MATERIALS AND WORK REQUIRED FOR REPAIRS TO ENGINE BOILERS, HULL, ETC., STEAMER "MINNAHANONCK."

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 Tuesday, January 10, 1893, until 10 o'clock 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 steamer 'Minnahanonck,'" 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 TWO THOUSAND (\$2,000) 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 then the sum to be paid by the Corporation, 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 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 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 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 supplies 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, 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 offered to 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 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.

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 give the proper security, 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.

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

HENRY H. PORTER, President,
CHARLES E. SIMMONS, M. D., Commissioner,
EDWARD C. SHEEHY, Commissioner
Public Charities and Correction.

THE NORMAL COLLEGE OF THE CITY OF NEW YORK.

A STATED MEETING OF THE BOARD OF Trustees of the Normal College of the City of New York will be held at the Hall of the Board of Education, No. 146 Grand street, on Tuesday, January 17, 1893, at 4 o'clock P. M.

By order,
JOHN L. N. HUNT,
Chairman.

ARTHUR McMULLIN,
Secretary.
Dated New York, January 9, 1893.

THE COLLEGE OF THE CITY OF NEW YORK.

A STATED MEETING OF THE BOARD OF Trustees of the College of the City of New York will be held at the Hall of the Board of Education, No. 146 Grand street, on Tuesday, January 17, 1893, at 4:30 o'clock P. M.

By order,
JOHN L. N. HUNT,
Chairman.

ARTHUR McMULLIN,
Secretary.
Dated New York, January 9, 1893.

SUPREME COURT.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to ONE HUNDRED AND EIGHTY-SEVENTH STREET (although not yet named by proper authority), from Tenth avenue to Kingsbridge road, in the Twelfth Ward of the City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court, at the Chambers thereof, in the County Court-house, in the City of New York, on the 19th day of January, 1893, at 10:30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Department of Public Works, there to remain for and during the space of ten days.

Dated New York, January 6, 1893.
MICHAEL J. MULQUEEN,
HERMANN BOLTE,
DAVID K. SCHUSTER,
Commissioners.

MATTHEW P. RYAN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to ONE HUNDRED AND ELEVENTH STREET, from Amsterdam avenue to Riverside avenue, in the Twelfth Ward of the City of New York.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, were appointed by an order of the Supreme Court, bearing date the 28th day of January, 1892, Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons, respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening a certain street herein designated as One Hundred and Eleventh street, as shown and delineated on a certain map of the City of New York, made by the Commissioners of Streets and Roads of the City of New York, filed in the office of the Street Commissioner of the City of New York April 1, 1891, and as shown and delineated on a certain map made by the Board of Commissioners of the Central Park, and filed in the office of the Street Commissioner of the City of New York March 7, 1888, and more particularly set forth in the aforesaid order of appointment and the petition of the Board of Street Opening and Improvement filed therewith in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said street, so to be opened or laid out and formed, to the respective owners, lessees, parties and persons, respectively entitled unto or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties or persons interested in the real estate taken or to be taken for the purpose of opening the said street, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to the undersigned Commissioners of Estimate and Assessment, at our office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice (January 5, 1893).

And we, the said Commissioners, will be in attendance at our said office on the 10th day of February, 1893, at 3 o'clock in the afternoon of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner or on behalf of the Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, January 5, 1893.

CLIFFORD W. HARTDRIDGE,
PETER MCINTYRE,
APPLETON L. CLARK,
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 Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to ONE HUNDRED AND THIRTY-NINTH STREET, between Amsterdam avenue and Convent avenue, in the Twelfth Ward of the City of New York.

NOTICE IS HEREBY GIVEN THAT THE undersigned were appointed by an order of the Supreme Court, bearing date the 17th day of June, 1892, Commissioners of Estimate and Assessment, for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening a certain street herein designated as One Hundred and Thirty-ninth street, as shown and delineated on a certain map of the City of New York, made by the Commissioner of Streets and Roads of the City of New York, and filed in the office of the Street Commissioner of the City of New York, April 1, 1891, and as shown and delineated on a certain map made by the Board of Commissioners of the Central Park, and filed in the office of the Street Commissioner of the City of New York, March 7, 1888, and more particularly set forth in the aforesaid order of appointment and the petition of the Board of Street Opening and Improvement filed therewith in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said street, so to be opened or laid out and formed, to the respective owners, lessees, parties and persons, respectively entitled unto or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act, entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to the undersigned Commissioners of Estimate and Assessment, at their office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice (January 4, 1893).

And we, the said Commissioners, will be in attendance at our said office on the 9th day of February, 1893, at 2 o'clock in the afternoon of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner, or on behalf of the Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, January 4, 1893.

SAMUEL E. DUFFEY, Chairman,
CHAS. S. HAYES,
WM. H. KLINGER,
Commissioners.

MATTHEW P. RYAN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, to acquire title to certain lands required for a public park, at or near CORLEARS HOOK, in the Seventh Ward of the City of New York.

NOTICE TO ALL PERSONS INTERESTED IN THIS PROCEEDING OR IN ANY OF THE LANDS AFFECTED THEREBY.

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 or unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our estimate, 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. 200 Broadway, (fifth floor), in the said city, on or before the 15th day of February, 1893, and that we, the said Commissioners, will hear parties so objecting within the ten week-days next after the said 15th day of February, 1893, and for that purpose will be in attendance at our said office on each of said ten days at 10 o'clock P. M.

Second—That the abstract of our said estimate, together with our damage maps, showing the land to which title is sought to be acquired, with the improvements thereon, 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 16th day of February, 1893.

Third—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house, in the City of New York, on the 8th day of March, 1893, 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, December 30, 1892.

MEYER THALMESSINGER, Chairman,
HENRY CAMPBELL,
DAVID McCURE,
Commissioners.

CARROLL BERRY, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to ONE HUNDRED AND FORTY-SECOND STREET, from Convent avenue to Amsterdam avenue, in the Twelfth Ward of the City of New York.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, were appointed by an order of the Supreme Court, bearing date the 29th day of January, 1892, Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons, respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening a certain street herein designated as One Hundred and Forty-second street, as shown and delineated on a certain map of the City of New York made by the Commissioners of Streets and Roads of the City of New York, filed in the office of the Street Commissioner of the City of New York April 1, 1891, and as shown and delineated on a certain map made by the Board of Commissioners of the Central Park, and filed in the office of the Street Commissioner of the City of New York, March 7, 1888, and more particularly set forth in the aforesaid order of appointment and the petition of the Board of Street Opening and Improvement filed therewith in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said street, so to be opened or laid out and formed, to the respective owners, lessees, parties and persons, respectively entitled unto or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street, or affected thereby and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to the undersigned Commissioners of Estimate and Assessment, at our office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice (December 15, 1892).

And we, the said Commissioners, will be in attendance at our said office on Monday, the twenty-third day of January, 1893, at one o'clock in the afternoon of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner, or on behalf of the Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, December 15, 1892.

LEMUEL H. ARNOLD, Jr.,
WILLIAM B. ANDERSON,
WILLIAM A. WOODHULL,
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of Thomas F. Gilroy, Commissioner of Public Works of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring certain pieces or parcels of land, and the title thereto, wherever the same have not been heretofore acquired for the use of the public, for the purposes of sewerage and drainage, pursuant to section 327 of chapter 410 of the Laws of 1882, as amended by chapter 423 of the Laws of 1888, and chapter 31 of the Laws of 1892, between the easterly termination of One Hundred and Sixty-seventh street and the Harlem river, in the Twelfth Ward of the City of New York.

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 the said city, on or before the 24th day of January, 1893, and that we, the said Com-

missioners, will hear parties so objecting within the ten week days next after the said 24th day of January, 1893, and for that purpose will be in attendance at our said office on each of said ten days at 10 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 by us 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 23d day of January, 1893.

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 an irregular broken line beginning at the intersection of the easterly line of Kingsbridge road with the southerly line of One Hundred and Seventy-third street, and running thence generally in an easterly direction to the high-water line of the Harlem river; easterly by the high-water line of the Harlem river; southerly by an irregular broken line, beginning at a point in the high-water line of the Harlem river, where the centre line of One Hundred and Sixty-second street, if prolonged, would intersect said high-water line; running thence westerly to a point 100 feet westerly of the westerly line of Amsterdam avenue and about 75 feet southerly from the southerly line of One Hundred and Sixty-second street, and westerly by an irregular broken line, beginning at said last-mentioned point and running thence generally in a northerly direction to the point or place of beginning, 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 7th day of February, 1893, 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, December 12, 1892.

ANDREW S. HAMERSLEY, Jr.,
Chairman,

OLIVER B. STOUT,
HENRY HUGHES,
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 Commonalty of the City of New York, relative to acquiring title (wherever the same has not been heretofore acquired), to ONE HUNDRED AND NINETEETH STREET (although not yet named by proper authority), between Audubon avenue and Eleventh avenue, in the Twelfth Ward of the City of New York.

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 the said city, on or before the 10th day of January, 1893, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said 10th day of January, 1893, and for that purpose will be in attendance at our said office on each of said ten days at 10 o'clock A. 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 18th day of January, 1893.

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 a line parallel with and distant 100 feet northerly from the northerly line of One Hundred and Ninetieth street; easterly by the westerly line of Audubon avenue; southerly by the centre line of the block between One Hundred and Eighty-ninth street and One Hundred and Ninetieth street, and westerly by the easterly line of Eleventh avenue, 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 2d day of February, 1893, 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, December 7, 1892.

EZEKIEL R. THOMPSON, Jr.,
Chairman,

JACOB BLUMENTHAL,
JOSEPH I. McKEON,
Commissioners.

MATTHEW P. RYAN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to BOSTON AVENUE (although not yet named by proper authority), extending from Sedgwick avenue to Bailey avenue, 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 the said city, on or before the 16th day of January, 1893, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said 16th day of January, 1893, 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 14th day of January, 1893.

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 prolongation easterly of the southerly line of Macomb street, from Bailey avenue to the centre line of the block between Boston avenue and Heath avenue, and the centre line of the block between Boston avenue and Heath avenue; easterly by the centre line of the blocks between Sedgwick avenue and Boston avenue; southerly by the centre line of the blocks between Boston avenue and a certain unnamed street or avenue extending from Bailey avenue to Nathalie avenue and the prolongation of said centre line from Nathalie avenue to the centre line of the blocks between Sedgwick avenue and Boston avenue; and westerly by the easterly line of Bailey avenue and the centre line of the block between Boston avenue and Heath avenue, 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 27th day of January, 1893, 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, December 2, 1892.

SAMUEL W. MILBANK, Chairman,

JOHN CONNELLY,
Commissioners.

MATTHEW P. RYAN, Clerk.

SECOND JUDICIAL DISTRICT.

In the matter of the application of Thomas F. Gilroy, as Commissioner of Public Works of the City of New York, under and in pursuance of chapter 490 of the Laws of 1883, for the appointment of Commissioners of Appraisal of lands in North Salem, Westchester County.

PUBLIC NOTICE IS HEREBY GIVEN THAT the First Separate Report of the Commissioners of Appraisal, appointed herein on the 18th day of January, 1890, which report was filed in Westchester County Clerk's office on November 25, 1892, will be presented for confirmation 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 January 14, 1893, at 10.30 o'clock in the forenoon.

Dated New York, December 14, 1892.

WILLIAM H. CLARK,

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

In the matter of the application of the Board of Street Opening and Improvement of the City of New York for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title (wherever the same has not been heretofore acquired), to INDEPENDENCE AVENUE (although not yet named by proper authority), extending from Suyten Duvvil Parkway to Morrison street, 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 the said city, on or before the 18th day of January, 1893, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said 18th day of January, 1893, and for that purpose will be in attendance at our said office on each of said ten days at 3 o'clock P. M.

Second—That the abstract of 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 January, 1893.

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 division line between the land now or late of John Ewen and the land now or late of Sisters of Charity, which said line is distant about 860 feet northerly of the northerly line of Morrison street; easterly by the westerly line of the Suyten Duvvil Parkway and its prolongation for a distance of about 100 feet southerly of the southerly line of Kappock street; southerly by a line parallel with and distant 100 feet southerly from the southerly line of Kappock street; and westerly by a line parallel with and distant 250 feet westerly from the westerly line of Independence avenue and the prolongations of said line for a distance of about 140 feet southerly of the southerly line of Kappock street and for a distance of about 840 feet northerly of the northerly line of Morrison street; 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 25th day of January, 1893, 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, November 30, 1892.

GEORGE P. WEBSTER, Chairman,

JAMES F. HORAN,
WILLIAM H. MARSTON,
Commissioners.

MATTHEW P. RYAN, Clerk.

THE CITY RECORD.

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W. J. K. KENNY,
Supervisor