

THE CITY RECORD.

OFFICIAL JOURNAL.

VOL. XVI.

NEW YORK, MONDAY, APRIL 30, 1888.

NUMBER 4,548.



FIRE DEPARTMENT.

Report for the Quarter and Year ending December 31, 1887.

HEADQUARTERS FIRE DEPARTMENT, CITY OF NEW YORK,
NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET,
OFFICE BOARD OF COMMISSIONERS,
NEW YORK, January 25, 1888.

To the Hon. ABRAM S. HEWITT, Mayor of New York:

Sir—We have the honor to submit herewith the report of the operations and actions of this Department for the quarter ending December 31, 1887, and for the year ending on the same date: On May 10, the term of office of Commissioner Elward Smith having expired, Commissioner Richard Croker was appointed in his place for the term of six years from May 1, 1887.

Number of each Grade of Officers and Employees on December 31, 1887.

Headquarters—	
Commissioners	2
Secretary and Assistant Secretary	2
Medical Officers	3
Bookkeeper and Clerks	8
Janitor	1
Watchmen	2
Elevator Boy	1
Stokers	3
Scrub Women	2
*Bureau of Chief of Department—Uniformed force—	
Chief of Department	1
Assistant Chief of Department and Second Assistant Chief of Department	2
Chiefs of Battalion	12
Foremen	87
Assistant Foremen	89
Engineers of Steamer	130
Firemen { First Grade	559
Second Grade	56
Third Grade	50
Firemen	665
Private	10
Pilots on Fire Steamers,	4
Engineers on Fire Steamers,	2
Stokers on Fire Steamers,	6
Bureau of Inspector of Combustibles—	
Inspector of Combustibles	1
Clerks	3
Surveyors	3
Oil Collectors	3
Bureau of Fire Marshal—	
Fire Marshal	1
Assistant to Fire Marshal	1
Clerks	3
Bureau of Inspection of Buildings—	
Superintendent of Buildings	1
Deputy Superintendents of Buildings	2
Clerks	19
Inspectors of Buildings	26
Messengers	4
Driver	1
Machinists to Supervise Elevators	2
Attorney to the Department	55
Fire Alarm Telegraph—	
Superintendent of Telegraph	1
Chief Operator	1
Operators	4
Assistant Operators	3
Clerk	1
Inspectors of Alarm Boxes	2
Batteryman and Assistant Batteryman	2
Foreman of Linemen	1
Linemen	3
Repair Shops—	
Superintendent of Repairs to Buildings	1
Foreman	1
Storekeeper	1
Clerks	2
Messengers	1
Shop Engineer	1
Machinists	16
Machinists' Helpers	5
Boiler Maker	1
Blacksmiths	5
Blacksmiths' Helpers	3
Wheelwrights	6
Wheelwrights' Helper	1
Harness Maker	2
Harness Makers' Helper	1
Hose Repairers	3
Painters	5
Watchmen	3

* Includes five Foremen, two Assistant Foremen, five Engineers of Steamer, and twenty-five Firemen and Privates relieved from service at fires, under section 24, chapter 745, Laws of 1872, as amended by chapter 129, Laws of 1879, and re-enacted by section 519, chapter 410, Laws of 1882.

Repair Shops—	
Drivers	4
Laborer	1
Janitor	1
Hospital Stables—	
Foreman	1
Stablemen	5
Aggregate	1,192

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

GRADE.	LOSS BY							GAIN BY			
	Expiration of Term.	Resignation.	Discharge.	Dismissal.	Promotion.	Death.	Assignment.	Appointment.	Promotion.	Restoration.	Total.
Commissioners	1	1						2	1		1
Assistant Secretary					1			1	1		1
Clerks		2			1	2		5	2		2
Second Assistant Chief of Department						1	1		1		1
Chiefs of Battalion						1	1			1	1
Foremen									4	2	5
Assistant Foremen					4	1		5			8
Engineers of Steamer			1	2	3		6		13		13
Firemen, First Grade		1	7	11	11		30		111		111
" Second "		3		1	113		117		54		54
" Third "		1		3	69		65		47		47
Fireman						1	1				
Ununiformed Firemen		2			47		49	49			49
Pilot						1	1	1			1
Marine Engineer			2				2				
Stoker			1		1		2	4			5
Deputy Superintendent of Buildings								2			2
Inspectors of Buildings					1		10	1			1
Oil Collectors			1		1		2	2			2
Chief Machinist		1					1				
Machinists		1	1		1		3	2			2
Machinists' Helper		1					1	1			1
Blacksmith								1			1
Blacksmith's Helper						1	1	1			1
Harness Maker's Helper										1	1
Hose Repairer								1			1
Hose Repairer's Helper						1	1				
Elevator Boy								1			1
Scrub Women								2			2
Totals	1	15	1	22	241	23	4	307	67	242	374

Net aggregate gain

Alterations in the Rules and Regulations.

(General Orders No. 1.)

DECEMBER 9, 1887.

The following amendment to the rules is hereby promulgated:

All appointees to membership in the uniformed force, and all members promoted to the grades of Assistant Foreman and Foreman, shall hereafter serve in companies located south of Twenty-fifth street for at least two years after such appointment or promotion, unless otherwise ordered by the Board, upon the recommendation of the Chief of Department.

Appropriations and Expenditures.

TITLE OF APPROPRIATION.	AMOUNT OF APPROPRIATION.	EXPENDITURES.	BALANCE.
For Salaries—			
Headquarters	\$43,875 00	\$42,728 17	\$1,152 83
Bureau Chief of Department	1,873,725 00	1,272,182 30	1,542 70
" Inspector of Combustibles	12,200 00	12,192 30	7 70
" Fire Marshal	7,400 00	7,388 87	11 13
" Inspection of Buildings	77,550 00	74,697 67	2,852 33
Attorney	4,000 00	4,000 00	
Fire Alarm Telegraph	22,165 00	21,921 87	243 13
Repair Shops	55,000 00	54,999 00	1 00
Hospital Stables	4,850 00	4,816 00	34 00
Total salaries	\$1,500,765 00	\$1,494,920 18	\$5,844 42
For Apparatus, Supplies, etc.—			
Apparatus, horses, rents, supplies, etc	\$281,500 00	\$281,500 00	
New house for Engine 54	17,000 00	17,000 00	
Furnishing new Headquarters	5,500 00	5,500 00	
Total apparatus, etc., etc	\$304,000 00	\$304,000 00	
Grand total	\$1,804,765 00	\$1,798,920 18	\$5,844 82

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

Apparatus, Supplies, etc.—	
For forage.....	\$34,210 00
For fuel.....	20,800 00
For new fire-engines.....	8,350 00
“ hose.....	30,750 00
“ trucks.....	3,400 00
“ tenders.....	4,315 00
For telegraph cable.....	6,431 50
Total.....	\$108,256 50
For new house Engine 54.....	15,750 00
Grand Total.....	\$124,006 50

Amount of Bills and Pay-rolls Audited.

Bills for 1885.....	\$3,562 50
“ 1886.....	89,333 00
“ 1887.....	258,176 21
Total bills.....	\$351,071 71
Pay-rolls for 1887.....	1,494,920 18
Total bills and pay-rolls.....	\$1,845,991 89

BUREAU CHIEF OF DEPARTMENT.

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

COMPANY.	No. of Officers and Men.	APPARATUS AND HORSES.							Total No. of Horses.	No. of Alarms Responded to.	No. of Fires Performed Duty at.
		No. of Steam Fire Engines.	No. of Horses.	No. of Four-wheel Tenders.	No. of Two-wheel Tenders.	No. of Horses.	No. of Hook and Ladder Trucks.	No. of Horses.			
Engine 1.....	12	1	2	1	2	..	..	..	4	133	51
“ 2.....	12	1	2	..	1	1	..	..	3	112	41
“ 3.....	12	1	2	1	2	..	..	..	4	98	25
“ 4.....	12	1	2	..	1	1	..	..	3	137	55
“ 5.....	*18	2	4	..	2	2	..	..	6	153	52
“ 6.....	12	1	2	..	1	1	..	..	3	91	36
“ 7.....	16	1	2	..	1	1	†1	2	5	198	72
“ 8.....	12	1	2	1	2	..	..	..	4	146	48
“ 9.....	12	1	2	..	1	1	..	..	3	234	79
“ 10.....	12	1	2	1	2	..	..	..	4	56	23
“ 11.....	12	1	2	1	2	..	..	..	4	155	56
“ 12.....	*18	2	4	..	2	2	..	..	6	187	76
“ 13.....	*18	2	4	..	2	2	..	..	6	227	93
“ 14.....	12	1	2	1	2	..	..	..	4	148	65
“ 15.....	12	1	2	..	1	1	..	..	3	186	57
“ 16.....	*18	2	4	1	2	1	1	..	7	148	38
“ 17.....	12	1	2	..	1	1	..	..	3	301	81
“ 18.....	*18	2	4	1	2	1	1	..	7	119	36
“ 19.....	12	1	2	1	2	..	..	..	4	97	30
“ 20.....	12	1	2	..	1	1	..	..	3	249	100
“ 21.....	12	1	2	1	2	..	..	..	4	124	41
“ 22.....	12	1	2	1	2	..	..	..	4	119	23
“ 23.....	12	1	2	1	2	..	..	..	4	148	37
“ 24.....	12	1	2	1	2	..	..	..	4	108	41
“ 25.....	12	1	2	..	1	1	..	..	3	188	56
“ 26.....	*18	2	4	1	2	1	1	..	7	148	48
“ 27.....	*18	2	4	1	2	1	1	..	7	151	77
“ 28.....	12	1	2	..	1	1	..	..	3	97	27
“ 29.....	12	1	2	..	1	1	..	..	3	120	51
“ 30.....	12	1	2	1	2	..	..	..	4	155	60
“ 31.....	*18	2	4	..	2	2	..	..	6	193	93
“ 32.....	12	1	2	..	1	1	..	..	3	113	55
“ 33.....	*18	2	4	..	2	2	..	..	6	187	74
“ 34.....	12	1	2	1	2	..	..	..	4	133	41
“ 35.....	12	1	2	..	1	1	..	..	3	132	37
“ 36.....	12	1	2	1	2	..	..	..	4	128	23
“ 37.....	†14	1	2	1	2	..	..	..	4	56	15
“ 38.....	12	1	2	1	2	..	..	1	2	5	40
“ 39.....	12	1	2	1	2	..	..	..	4	132	27
“ 40.....	8	1	2	1	2	..	..	..	4	78	24
“ 41.....	8	1	2	..	1	1	..	..	3	43	14
“ 42.....	8	1	2	1	2	..	..	..	4	29	3
“ 43.....	§10	..	..	..	..	..	..	..	..	107	14
“ 44.....	12	1	2	1	2	..	..	..	4	132	27
“ 45.....	8	1	2	1	2	..	..	..	4	6	1
“ 46.....	8	1	2	1	2	..	..	..	4	9	1
“ 47.....	12	1	2	1	2	..	..	1	2	6	49
“ 48.....	12	1	2	1	2	..	..	1	2	6	19
“ 49.....	10	1	2	..	1	1	1	2	5	..	..
“ 50.....	12	1	2	1	2	..	..	1	2	6	25
“ 51.....	§10	..	..	..	..	..	..	..	..	74	12
“ 52.....	12	1	2	1	2	..	..	1	2	6	8
“ 53.....	12	1	2	1	2	..	..	..	4	134	25

* Double companies.
† Training stable.

† Water Tower in addition to other apparatus.
§ Floating engine.

COMPANY.	No. of Officers and Men.	APPARATUS AND HORSES.							Total No. of Horses.	No. of Alarms Responded to.	No. of Fires Performed Duty at.	
		No. of Steam Fire Engines.	No. of Horses.	No. of Four-wheel Tenders.	No. of Horses.	No. of Two-wheel Tenders.	No. of Horses.	No. of Hook and Ladder Trucks.				No. of Horses.
Engine 54.....	12	1	2	..	..	1	1	..	..	3	159	46
“ 55.....	12	1	2	..	..	1	1	..	..	3	157	21
Hook and Ladder 1.....	12	..	..	..	..	..	..	1	3	3	265	179
“ 2.....	12	..	..	..	..	..	..	1	2	2	267	101
“ 3.....	16	..	..	..	..	1	2	1	3	5	248	137
“ 4.....	12	..	..	..	..	..	..	1	2	2	234	133
“ 5.....	*18	..	..	..	..	..	..	2	4	4	191	91
“ 6.....	12	..	..	..	..	..	..	1	2	2	283	194
“ 7.....	12	..	..	..	..	..	..	1	2	2	184	114
“ 8.....	12	..	..	..	..	..	..	1	3	3	271	157
“ 9.....	*19	..	..	..	..	..	..	2	5	5	336	215
“ 10.....	12	..	..	..	..	..	..	1	3	3	190	129
“ 11.....	12	..	..	..	..	..	..	1	3	3	174	100
“ 12.....	12	..	..	..	..	..	..	1	3	3	225	101
“ 13.....	13	..	..	..	..	..	..	1	2	2	160	70
“ 14.....	12	..	..	..	..	..	..	1	2	2	135	92
“ 15.....	12	..	..	..	..	81	2	1	2	4	122	82
“ 16.....	12	..	..	..	..	..	..	1	3	3	146	67
“ 17.....	10	..	..	..	..	..	..	1	2	2	85	41
“ 18.....	12	..	..	..	..	..	..	1	3	3	1142	135
“ 19.....	8	..	..	..	..	1	1	1	2	3	13	11
Total.....	934	62	124	31	61	34	36	28	65	286	....	....

Average number of alarms responded to, 153.

Average number of fires performed duty at, 58.

* Double companies.

† Water tower in addition to other apparatus.

‡ Seven months.

§ Supply wagon.

|| Eleven months.

During the year three companies were organized, to wit:
Engine Company No. 55, on June 4, located at No. 173 Elm street.
Hook and Ladder Company No. 16, on January 13, located in the new Headquarters building, No. 150 East Sixty-seventh street.
Hook and Ladder Company No. 18, on February 1, located at No. 84 Attorney street.
The above companies are organized into twelve battalions, each consisting of from five to nine companies, commanded by a Chief of Battalion; the Assistant Chief of Department commanding the First, Second, Third, Fourth, Fifth and Sixth Battalions, and the Second Assistant Chief of Department commanding the Seventh, Eighth, Ninth, Tenth, Eleventh and Twelfth Battalions; the entire force being under the command of the Chief of Department.

Register of Officers of the Uniformed Force on December 31.

NAME.	Age.	ORIGINAL APPOINTMENT.		PROMOTION.	
		Grade.	Date.	Grades.	Dates.
<i>Chief of Department.</i>					
Shay, Charles O.....	30	Foreman	Sept. 25, 1865	{ District Engineer... Assistant Chief of Department	June 1, 1869 May 19, 1873 May 1, 1884
<i>Assistant Chief of Department.</i>					
Bonner, Hugh.....	27	Foreman	Sept. 18, 1865	{ Chief of Battalion... 2d Assistant Chief of Department... Assistant Chief of Department	May 21, 1873 Jan. 4, 1883 May 1, 1884
<i>Second Assistant Chief of Department.</i>					
McCabe, John	26	{ a Fireman..... Fireman.....	Sept. 26, 1866 July 1, 1873	{ Assistant Foreman... Foreman	Dec. 1, 1873 July 1, 1874 May 16, 1881
<i>Chiefs of Battalion.</i>					
1. Gicquel, Benjamin A	24	Fireman	Oct. 16, 1865	{ Chief of Battalion... Assistant Foreman... Foreman	May 21, 1873 Jan. 22, 1866 June 1, 1866
2. Rowe, William	24	Foreman	Oct. 20, 1865	{ District Engineer... Chief of Battalion... Assistant Foreman... Foreman	July 1, 1871 May 21, 1873 June 1, 1868 July 15, 1869
3. Fisher, John S.....	34	Fireman.....	Jan. 9, 1868	{ Chief of Battalion... Assistant Foreman... Foreman	May 21, 1873 Aug. 1, 1869 Feb. 1, 1873
4. Campbell, Samuel.....	25	Fireman.....	Oct. 16, 1865	{ Chief of Battalion... Assistant Foreman... Foreman	Sept. 23, 1875 Oct. 15, 1870 July 1, 1871
5. Reilly, Francis J	22	Fireman.....	Sept. 27, 1865	{ Assistant Foreman... Foreman	May 1, 1872 June 6, 1872 Feb. 1, 1880
6. Brennan, John J.....	23	Fireman	Oct. 20, 1865	{ Chief of Battalion... Assistant Engineer of Steamer..... Assistant Foreman... Foreman	Aug. 4, 1886 Mar. 16, 1871 July 1, 1871 Mar. 1, 1873 Feb. 1, 1880
7. Reeves, Michael F.....	27	Fireman	Apr. 16, 1867	{ Chief of Battalion... Assistant Foreman... Foreman	Oct. 15, 1870 Aug. 1, 1871 Nov. 1, 1881
8. Gooderson, Thomas.....	22	Fireman.....	Feb. 1, 1874	{ Chief of Battalion... Assistant Foreman... Foreman	Jan. 15, 1883 Dec. 21, 1874 Apr. 10, 1875
9. Lally, Thomas.....	22	Fireman	Aug 15, 1870	{ Chief of Battalion... Assistant Foreman... Foreman	Jan. 15, 1883 Apr. 21, 1873 Nov. 1, 1881 May 1, 1884
10. Purroy, Charles D	24	Private.....	Jan. 22, 1880	{ Chief of Battalion... Fireman..... Assistant Foreman... Foreman	May 1, 1884 Apr. 2, 1880 Apr. 5, 1881 Dec. 31, 1882
11. McGill, Joseph F.....	23	Fireman.....	Mar. 21, 1866	{ Chief of Battalion... Assistant Foreman... Foreman	May 1, 1884 Apr. 1, 1870 Oct. 1, 1872 Aug. 12, 1884
12. Cashman, John J.....	22	Fireman.....	Oct. 17, 1866	{ Chief of Battalion... Assistant Foreman... Foreman	Aug. 4, 1885 Feb. 15, 1872 Apr. 27, 1879 Aug. 4, 1885

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 Reassigned as Chief of Battalion July 1, 1887.

NAME.	ORIGINAL APPOINTMENT.			PROMOTION.		NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
	Age.	Grade.	Date.	Grades.	Dates.		Age.	Grade.	Date.	Grades.	Dates.
Foremen.						49. Cusick, George.....	24	Fireman.....	Apr. 21, 1869	{ Assistant Foreman. Foreman.....	May 15, 1875 Apr. 18, 1883
1. Poynton, Joseph.....	26	Foreman.....	Sept. 8, 1865	.....	.....	50. Short, Peter H.....	26	Fireman.....	May 1, 1875	{ Assistant Foreman. Foreman..... Chief of Battalion.	June 1, 1880 Apr. 18, 1883 Aug. 4, 1886
2. Spence, Arnot.....	31	Foreman.....	Oct. 20, 1865	.....	.....	51. McAdams, Henry W.....	23	Fireman.....	Sept. 18, 1874	{ Assistant Foreman. Foreman.....	Nov. 1, 1881 May 23, 1883
3. McNeill, Alexander.....	29	Assistant Foreman	Oct. 16, 1865	Foreman.....	June 1, 1868	52. Gleason, Luke.....	25	{ Fireman..... Fireman.....	Jan. 1, 1869 Dec. 1, 1872	{ Assistant Foreman. Assistant Foreman. Foreman.....	Apr. 8, 1880 July 1, 1883
4. Williams, Robert.....	40	Fireman.....	Dec. 1, 1865	{ Assistant Foreman. Foreman.....	June 1, 1868 Dec. 15, 1868	53. Murray, Henry.....	24	{ Fireman..... Fireman.....	Oct. 13, 1865 Dec. 17, 1874	{ Assistant Foreman. Assistant Foreman. Foreman.....	Jan. 15, 1884
5. Donohue, Patrick.....	26	Fireman.....	Sept. 27, 1865	{ Assistant Foreman. Foreman.....	June 1, 1868 Feb. 21, 1869	54. 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
6. Best, Samuel.....	32	Fireman.....	June 14, 1866	{ Assistant Foreman. Foreman.....	Apr. 17, 1867 Mar. 1, 1869	55. McCutchen, James.....	31	Fireman.....	Sept. 18, 1865	{ Assistant Foreman. Foreman.....	May 1, 1869 May 20, 1884
7. Shaw, William.....	27	Assistant Foreman	Oct. 2, 1865	Foreman.....	May 1, 1869	56. Hart, Michael.....	28	Fireman.....	Oct. 20, 1865	{ Assistant Foreman. Foreman.....	July 1, 1871 May 20, 1884
8. McCormick, James A.....	27	Fireman.....	Oct. 6, 1865	{ Assistant Foreman. Foreman.....	June 23, 1868 June 15, 1869	57. Connolly, Patrick J.....	28	Fireman.....	Jan. 15, 1873	{ Assistant Foreman. Foreman.....	Nov. 16, 1881 May 20, 1884
9. Castles, John.....	27	Fireman.....	July 27, 1865	{ Assistant Foreman. Foreman.....	Apr. 1, 1869 July 15, 1869	58. McCabe, Hugh D.....	25	Private.....	Feb. 9, 1882	{ Assistant Foreman. Foreman.....	July 22, 1881 May 20, 1884
10. Kehoe, John H.....	23	Fireman.....	Oct. 20, 1865	{ Assistant Foreman. Foreman.....	June 15, 1869 Dec. 1, 1869	59. Shea, Joseph.....	29	Foreman.....	May 20, 1884	.....	.....
11. McLaughlin, William.....	29	Fireman.....	May 22, 1868	{ Assistant Foreman. Foreman.....	June 1, 1869 Mar. 1, 1870	60. Cosgrove, James.....	21	Private.....	Jan. 1, 1878	{ Assistant Engineer of Steamer..... Assistant Foreman. Foreman.....	Mar. 21, 1880 July 1, 1881 June 6, 1884
12. Erb, George W.....	23	Fireman.....	Oct. 11, 1865	{ Assistant Foreman. Foreman.....	Aug. 1, 1870 July 1, 1871	61. Falvey, John.....	21	{ Fireman..... Fireman.....	Mar. 11, 1871 July 18, 1874	{ Assistant Foreman. Foreman.....	Feb. 15, 1872 Nov. 1, 1881 Aug. 1, 1884
13. Hayes, William F.....	27	{ Fireman..... Fireman.....	July 31, 1865 Apr. 1, 1886	{ Assistant Foreman. Foreman.....	Dec. 24, 1870 Nov. 1, 1871	62. McDonald, Alexander.....	28	{ Fireman..... Fireman.....	July 31, 1865 June 12, 1873	{ Assistant Foreman. Foreman.....	Jan. 7, 1876 Aug. 7, 1884
14. Landers, William H.....	41	Fireman.....	Sept. 29, 1865	{ Assistant Foreman. Foreman.....	Nov. 17, 1865 Dec. 24, 1870	63. Scannell, Edward A.....	24	Private.....	Apr. 7, 1881	{ Assistant Foreman. Foreman.....	May 20, 1884 Aug. 16, 1884
15. Wolff, Charles A.....	33	Fireman.....	Mar. 21, 1866	{ Assistant Foreman. Foreman.....	Aug. 1, 1870 July 1, 1871	64. Binns, John.....	25	Private.....	Mar. 22, 1882	{ Assistant Foreman. Foreman.....	May 20, 1884 Aug. 16, 1884
16. Meagher, Daniel J.....	23	Fireman.....	Oct. 6, 1865	{ Assistant Foreman. Foreman.....	Dec. 24, 1870 Nov. 1, 1871	65. Golden, John J.....	30	Fireman.....	Dec. 18, 1874	{ Assistant Foreman. Foreman.....	Feb. 1, 1883 Aug. 22, 1884
17. Vetter, Peter, Jr.....	26	Fireman.....	Oct. 27, 1865	{ Assistant Foreman. Foreman.....	June 1, 1868 May 1, 1872	66. Barry, James.....	23	{ Hoseman..... Fireman.....	Jan. 20, 1874 Feb. 12, 1876	{ Assistant Foreman. Foreman.....	May 20, 1884 Aug. 22, 1884
18. Cowie, John A.....	30	Assistant Foreman	Sept. 14, 1865	Foreman.....	Mar. 1, 1873	67. Sullivan, Thomas.....	26	{ Dist. Engineer. Foreman.....	Sept. 6, 1865 Aug. 23, 1884	.....	.....
19. Jones, Henry M.....	27	Assistant Foreman	Sept. 27, 1865	Foreman.....	Mar. 1, 1873	68. Kenny, Thomas A.....	29	Fireman.....	Aug. 4, 1876	{ Assistant Foreman. Foreman.....	July 10, 1879 Feb. 1, 1885
20. Ward, John.....	26	Fireman.....	Sept. 25, 1865	{ Assistant Foreman. Foreman.....	Jan. 1, 1870 Mar. 1, 1873	69. Lawler, Daniel.....	24	Fireman.....	May 1, 1875	{ Assistant Foreman. Foreman.....	Aug. 16, 1884 Feb. 1, 1885
21. Sattler, John.....	29	Fireman.....	Oct. 20, 1865	{ Assistant Foreman. Foreman.....	July 1, 1871 Mar. 1, 1873	70. Callaghan, Daniel H.....	26	Fireman.....	Mar. 1, 1873	{ Assistant Foreman. Foreman.....	July 10, 1879 June 25, 1885
22. Sheridan, Philip.....	23	Fireman.....	Oct. 20, 1865	{ Assistant Foreman. Foreman.....	July 1, 1871 June 16, 1873	71. 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
23. Connor, David.....	25	Fireman.....	July 31, 1865	{ Assistant Foreman. Foreman.....	Nov. 1, 1871 June 16, 1873	72. Teal, Henry.....	21	Fireman.....	Aug. 1, 1871	{ Assistant Foreman. Foreman.....	Sept. 22, 1880 Nov. 15, 1885
24. Welsh, John.....	23	Fireman.....	Oct. 11, 1865	{ Engineer of Steamer Assistant Foreman. Foreman.....	Aug. 1, 1866 Feb. 15, 1872 June 16, 1873	73. Cooney, John J.....	29	Private, 3d Grade.	Sept. 1, 1882	{ Assistant Engineer of Steamer..... Assistant Foreman. Foreman.....	June 6, 1884 July 1, 1885 Nov. 15, 1885
25. Chambers, Charles.....	31	{ Engineer of Steamer.....	Sept. 14, 1865	{ Assistant Foreman. Foreman.....	July 1, 1873 Dec. 1, 1873	74. Ahearn, Thomas J.....	23	Fireman.....	May 9, 1873	{ Assistant Foreman. Foreman.....	Apr. 1, 1881 Feb. 25, 1886
26. Perley, Hamilton F.....	21	{ Ass't Engineer of Steamer.....	Mar. 15, 1873	{ Assistant Foreman. Foreman.....	Jan. 15, 1874 Aug. 1, 1874	75. White, John H.....	30	Fireman.....	Jan. 2, 1875	{ Assistant Foreman. Foreman.....	Feb. 1, 1883 Feb. 25, 1886
27. Judge, Thomas.....	32	Fireman.....	June 28, 1866	{ Assistant Foreman. Foreman.....	Oct. 18, 1872 Dec. 21, 1874	76. Frazer, William D.....	24	Fireman.....	July 3, 1872	{ Assistant Foreman. Foreman.....	May 20, 1884 Dec. 1, 1886
28. 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	77. Croker, Edward F.....	21	Private.....	June 22, 1884	{ Assistant Foreman. Foreman.....	Aug. 16, 1884 Feb. 25, 1886
29. Van Horn, Thos. J.....	26	Fireman.....	May 6, 1871	{ Assistant Foreman. Foreman.....	Jan. 15, 1874 Mar. 1, 1875	78. McNamara, Michael J.....	25	Fireman.....	Apr. 21, 1873	{ Assistant Foreman. Foreman.....	Aug. 27, 1884 Dec. 1, 1886
30. Hamblett, Roger B.....	21	Fireman.....	Sept. 11, 1865	{ Assistant Foreman. Foreman.....	June 1, 1869 Mar. 1, 1875	79. Nugent, James M.....	24	Private.....	Jan. 4, 1884	{ Assistant Foreman. Foreman.....	July 1, 1885 Jan. 15, 1887
31. Kittson, Hugh.....	28	Fireman.....	Sept. 25, 1865	{ Assistant Foreman. Foreman.....	July 1, 1873 Mar. 1, 1875	80. O'Hearn, Thomas.....	29	Fireman.....	June 12, 1875	{ Assistant Foreman. Foreman.....	July 1, 1883 Feb. 1, 1887
32. Eagan, John J.....	25	Fireman.....	Sept. 11, 1865	{ Assistant Foreman. Foreman.....	Oct. 15, 1870 Aug. 20, 1875	81. Siegmann, Louis L.....	24	Fireman.....	Feb. 8, 1871	{ Assistant Foreman. Foreman.....	Jan. 15, 1874 Mar. 1, 1887
33. Fisher, Isaac.....	22	{ Engineer of Steamer..... Ass't Engineer of Steamer.....	Oct. 1, 1869 Nov. 1, 1872	{ Engineer of Steamer Assistant Foreman. Foreman.....	..... July 1, 1873 Apr. 15, 1874 Dec. 2, 1875	82. McAvoy, Michael.....	25	Fireman.....	Dec. 1, 1865	{ Assistant Foreman. Foreman.....	Dec. 31, 1882 May 6, 1887
34. Wray, Robert.....	23	Fireman.....	Oct. 16, 1865	{ Assistant Engineer of Steamer..... Assistant Foreman. Foreman.....	June 1, 1871 Sept. 1, 1874 Mar. 12, 1877	Assistant Foremen.					
35. Bradley, Daniel.....	30	Fireman.....	Mar. 1, 1866	{ Assistant Foreman. Foreman.....	Mar. 1, 1873 Apr. 3, 1878	1. Schuck, Henry.....	33	Fireman.....	Sept. 18, 1865	Assistant Foreman.	Nov. 22, 1865
36. Bermingham, Wm.....	34	Fireman.....	Dec. 15, 1873	{ Assistant Foreman. Foreman.....	Oct. 1, 1875 Dec. 8, 1879	2. Smith, Edward S.....	23	Fireman.....	Sept. 11, 1865	Assistant Foreman.	Dec. 15, 1868
37. Farrell, Robert R.....	26	{ Ass't Engin'r of Steamer..... Ass't Engineer of Steamer.....	Nov. 1, 1871 Mar. 15, 1873	.....	.....	3. Hicks, Matthew.....	21	Fireman.....	Aug. 10, 1868	Assistant Foreman.	Oct. 15, 1870
38. Fleming, William H.....	22	Fireman.....	Oct. 17, 1870	{ Assistant Foreman. Foreman.....	Aug. 2, 1877 Mar. 17, 1880	4. Riordan, John.....	21	Fireman.....	Sept. 20, 1866	Assistant Foreman.	Nov. 1, 1871
39. Shay, Charles H.....	21	Private.....	Nov. 21, 1877	.....	.....	5. Lynar, Andrew.....	28	Fireman.....	Jan. 21, 1868	Assistant Foreman.	Feb. 15, 1872
40. Perley, Charles H.....	22	Private.....	Jan. 17, 1879	{ Assistant Foreman. Foreman.....	Feb. 1, 1879 Aug. 25, 1880	6. Brennan, Terrence P.....	25	Fireman.....	Oct. 6, 1865	Assistant Foreman.	July 1, 1872
41. O'Brien, Edward.....	25	Fireman.....	July 1, 1869	{ Assistant Foreman. Foreman.....	Mar. 1, 1873 Sept. 17, 1880	7. McNamce, Charles.....	28	Fireman.....	July 1, 1869	Assistant Foreman.	Mar. 1, 1873
42. Brown, William W.....	23	Fireman.....	June 14, 1866	{ Assistant Foreman. Foreman.....	Dec. 1, 1873 Apr. 1, 1881	8. Jones, Walter H.....	25	Fireman.....	Oct. 21, 1870	Assistant Foreman.	Mar. 1, 1873
43. Byrne, Joseph P.....	28	Fireman.....	Oct. 1, 1871	{ Assistant Foreman. Foreman.....	May 1, 1875 July 1, 1881	9. Conaghan, Patrick.....	23	Fireman.....	Oct. 20, 1865	Assistant Foreman.	Apr. 21, 1873
44. Dwyer, John.....	27	Fireman.....	Oct. 16, 1873	{ Assistant Foreman. Foreman.....	Dec. 18, 1878 Oct. 17, 1881	10. Braisted, William C.....	25	Fireman.....	July 3, 1872	Assistant Foreman.	June 16, 1873
45. Duane, William.....	28	Fireman.....	Aug. 8, 1868	{ Assistant Foreman. Foreman.....	July 20, 1871 Nov. 1, 1881	11. Campbell, James A.....	27	Fireman.....	Sept. 29, 1865	Assistant Foreman.	Aug. 15, 1873
46. Colby, William J.....	30	Fireman.....	July 7, 1875	{ Assistant Foreman. Foreman.....	June 1, 1876 Nov. 1, 1881	12. Moore, Edward S.....	31	Fireman.....	Oct. 16, 1865	{ Assistant Foreman. Assistant Foreman.	Dec. 1, 1865 Nov. 3, 1873
47. Searle, George S.....	21	Fireman.....	Nov. 15, 1874	{ Assistant Foreman. Foreman.....	July 22, 1880 Nov. 18, 1881	13. Louis, Albert F.....	24	Fireman.....	Sept. 14, 1865	{ Assistant Engineer of Steamer..... Engineer of Steamer. Assistant Foreman.	Apr. 1, 1872 Sept. 11, 1872 Jan. 15, 1874
48. Shaw, Joseph.....	28	{ 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	14. Burnett, Henry.....	33	Fireman.....	Sept. 22, 1865	Assistant Foreman.	Jan. 15, 1874
						15. Cartright, Stephen.....	27	Fireman.....	Aug. 1, 1871	Assistant Foreman.	May 15, 1874
						16. Flock, William F.....	27	Ass't Foreman.....	Sept. 8, 1865	Foreman.....	Oct. 15, 1870

Resigned, January 15, 1866.

Reduced to Foreman, February 15, 1875.

Resigned October 16, 1879.

Resigned, May 21, 1872.

Resigned, May 21, 1872.

Resigned, May 21, 1872.

Resigned as Foreman July 1, 1887.

Resigned June 1, 1872.

Resigned March 31, 1869.

Dismissed June 19, 1874.

Resigned June 8, 1872.

Resigned July 1, 1875.

Dropped May 21, 1873.

Reduced to Assistant Foreman Dec. 2, 1875.

Reduced to ranks, May 9, 1866.

Reduced to Assistant Foreman, June 24, 1874.

NAME.	ORIGINAL APPOINTMENT.			PROMOTION.		NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
	Age.	Grade.	Date.	Grades.	Dates.		Age.	Grade.	Date.	Grades.	Dates.
17. Neubauer, Michael.....	24	Fireman.....	Oct. 1, 1872	Assistant Foreman.	Oct. 19, 1874	78. Flaherty, James.....	29	Private.....	Feb. 15, 1882	Assistant Foreman.	Dec. 1, 1886
18. Carey, Francis.....	25	Fireman.....	June 2, 1868	Assistant Foreman.	Dec. 21, 1874	79. Whelan, John T.....	29	Fireman.....	May 20, 1884	Assistant Foreman.	Dec. 1, 1886
19. Wright, Augustus H.....	20	Fireman.....	May 4, 1875	Assistant Foreman.	May 1, 1876	80. Taylor, Joseph W.....	25	Fireman.....	Jan. 1, 1873	Assistant Foreman.	Mar. 1, 1887
20. Kruger, Chas. W., Jr.....	22	{ Ass't Engineer of Steamer... }	July 3, 1872	Assistant Foreman.	Sept. 27, 1877	81. Nash, William H.....	21	Fireman.....	Sept. 9, 1876	{ Assistant Engineer. Engineer..... Assistant Foreman. }	Oct. 1, 1876 Jan. 1, 1886 Feb. 1, 1887
21. Kenahan, Richard F.....	30	Fireman.....	July 1, 1875	Assistant Foreman.	Apr. 3, 1878	82. Burke, Coleman J.....	22	Private.....	Jan. 1, 1878	{ Assistant Engineer. Engineer..... Assistant Foreman. }	Jan. 17, 1880 Jan. 1, 1886 Feb. 1, 1887
22. Finn, John.....	29	Fireman.....	Sept. 20, 1866	Assistant Foreman.	Aug. 21, 1878	83. Norris, Richard J.....	25	Private.....	July 15, 1879	Assistant Foreman.	Feb. 1, 1887
23. McCarthy, Patrick.....	25	Fireman.....	June 15, 1872	Assistant Foreman.	Apr. 27, 1879	84. Reilly, Michael F.....	29	Private.....	Jan. 13, 1880	Assistant Foreman.	Feb. 1, 1887
24. Pesco, Oscar A.....	30	Fireman.....	Sept. 14, 1865	{ Assistant Foreman. Assistant Foreman. }	Jan. 7, 1876 June 21, 1879	85. Farrell, George F.....	25	Private.....	Nov. 1, 1880	Assistant Foreman.	Feb. 1, 1887
25. O'Rourke, Owen.....	26	Fireman.....	Oct. 22, 1865	Assistant Foreman.	July 19, 1879	86. Reilly, Henry P.....	21	Private.....	Oct. 21, 1881	Assistant Foreman.	Dec. 27, 1887
26. Brownings, William.....	21	Fireman.....	Apr. 23, 1869	{ Assistant Engineer of Steamer..... Ass't Engineer of Steamer..... Assistant Foreman. }	June 1, 1871 Aug. 1, 1874 Feb. 1, 1880	87. McCartney, James J.....	28	Fireman.....	Aug. 1, 1884	Assistant Foreman.	Dec. 27, 1887
27. O'Reilly, Patrick H.....	23	Fireman.....	Aug. 21, 1875	Assistant Foreman.	July 20, 1880						
28. Kerrigan, Francis.....	29	Fireman.....	May 1, 1875	Assistant Foreman.	Sept. 16, 1880						
29. Case, Wright, Jr.....	25	Fireman.....	May 1, 1875	Assistant Foreman.	Nov. 12, 1881						
30. McCarthy, John.....	29	Fireman.....	Sept. 15, 1871	Assistant Foreman.	June 9, 1881						
31. Moss, Joseph.....	28	Fireman.....	Dec. 1, 1871	Assistant Foreman.	Nov. 1, 1881						
32. Gerity, James J.....	24	Fireman.....	Feb. 1, 1874	Assistant Foreman.	Nov. 1, 1881						
33. Kelly, Thomas.....	28	Fireman.....	Sept. 18, 1865	Assistant Foreman.	Nov. 25, 1881						
34. Hyde, David.....	27	Fireman.....	July 17, 1873	Assistant Foreman.	Mar. 22, 1882						
35. Farley, Thomas.....	25	Fireman.....	May 13, 1868	Assistant Foreman.	Apr. 10, 1882						
36. Murphy, John.....	24	Fireman.....	Oct. 17, 1870	Assistant Foreman.	Aug. 7, 1882						
37. Aiken, Alexander D.....	24	Fireman.....	July 19, 1871	Assistant Foreman.	Dec. 1, 1882						
38. Barber, John.....	26	Fireman.....	Nov. 3, 1870	Assistant Foreman.	Feb. 1, 1883						
39. Daniels, Clement L.....	25	Fireman.....	Oct. 11, 1873	Assistant Foreman.	Mar. 4, 1883						
40. Ryan, Ed. F.....	22	Fireman.....	July 3, 1872	Assistant Foreman.	Mar. 6, 1883						
41. Murphy, Lawrence.....	24	Fireman.....	June 12, 1871	Assistant Foreman.	May 17, 1883						
42. Kennedy, Mathias T.....	28	Private.....	Dec. 21, 1877	{ Assistant Engineer of Steamer..... Assistant Foreman. }	Nov. 21, 1878 May 23, 1883						
43. Margison, Charles.....	27	Private.....	Jan. 22, 1877	{ Assistant Engineer of Steamer..... Assistant Foreman. }	May 1, 1879 May 23, 1883						
44. Jones, William H.....	20	Ladderman.....	Sept. 25, 1875	{ Private..... Assistant Foreman. }	Apr. 1, 1878 May 23, 1883						
45. Needham, John T.....	27	Private.....	Jan. 1, 1881	Assistant Foreman.	May 23, 1883						
46. Murphy, John McL.....	23	Private.....	Nov. 21, 1881	Assistant Foreman.	May 23, 1883						
47. Hopper, Charles.....	23	Fireman.....	Mar. 2, 1870	Assistant Foreman.	Aug. 1, 1883						
48. Meehan, Edward.....	24	Fireman.....	July 23, 1870	Assistant Foreman.	Aug. 13, 1883						
49. Beekler, Jacob.....	24	Fireman.....	Mar. 15, 1871	Assistant Foreman.	Nov. 1, 1883						
50. Autenreith, Charles J.....	25	Private.....	Feb. 12, 1881	{ Assistant Engineer of Steamer..... Assistant Foreman. }	Dec. 17, 1881 May 20, 1884						
51. Hearn, John.....	24	Fireman.....	Sept. 11, 1865	Assistant Foreman.	May 20, 1884						
52. Head, Thomas.....	26	Fireman.....	Feb. 15, 1869	Assistant Foreman.	May 20, 1884						
53. Touhey, Martin J.....	23	Fireman.....	Mar. 15, 1872	Assistant Foreman.	May 20, 1884						
54. Donohue, Malachi.....	24	Fireman.....	June 10, 1870	Assistant Foreman.	Oct. 17, 1872						
55. Gaffney, Andrew.....	27	Fireman.....	Dec. 1, 1873	Assistant Foreman.	May 20, 1884						
56. Reed, Samuel.....	25	Fireman.....	Sept. 1, 1875	Assistant Foreman.	May 20, 1884						
57. Quirk, William.....	27	Private.....	May 19, 1881	Assistant Foreman.	May 20, 1884						
58. Hennessey, William.....	30	Fireman.....	Dec. 21, 1874	Assistant Foreman.	May 20, 1884						
59. 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, 1878 Aug. 16, 1884						
60. O'Grady, Joseph.....	27	Private.....	Nov. 24, 1877	{ Assistant Engineer of Steamer..... Assistant Foreman. }	Oct. 20, 1880 Aug. 16, 1884						
61. Reilly, Bernard J.....	27	Fireman.....	May 1, 1875	Assistant Foreman.	Aug. 21, 1884						
62. Reilly, Michael A.....	22	Private.....	April 4, 1881	Assistant Foreman.	Aug. 21, 1884						
63. Kinsella, Henry.....	27	Private.....	Feb. 3, 1883	Assistant Foreman.	Aug. 27, 1884						
64. McNamara, John J.....	25	Fireman.....	Dec. 7, 1877	{ Assistant Engineer of Steamer..... Assistant Foreman. }	Apr. 11, 1880 July 1, 1885						
65. Petersen, Adolph J.....	25	Fireman.....	Oct. 25, 1873	Assistant Foreman.	July 1, 1885						
66. Tobin, Edward H.....	22	Fireman.....	May 4, 1875	Assistant Foreman.	July 1, 1885						
67. Beshinger, Joseph.....	23	Private.....	May 10, 1880	Assistant Foreman.	July 1, 1885						
68. Banta, Samuel.....	28	Private.....	Jan. 22, 1883	Assistant Foreman.	July 1, 1885						
69. Gormley, Patrick.....	28	Private.....	May 15, 1884	Assistant Foreman.	July 1, 1885						
70. Ryan, Patrick F.....	28	{ Ass't Engineer of Steamer... }	Nov. 1, 1871	{ Engineer of Steamer Assistant Foreman. }	July 21, 1875 Nov. 15, 1885						
71. 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						
72. Honan, John S.....	25	Private.....	May 8, 1883	Assistant Foreman.	Nov. 15, 1885						
73. McAllister, Bernard.....	31	Private.....	Dec. 3, 1877	{ Assistant Engineer of Steamer..... Engineer of Steamer Assistant Foreman. }	June 1, 1880 Jan. 1, 1886 Feb. 1, 1886						
74. Shute, James H.....	23	Fireman.....	Oct. 17, 1873	Assistant Foreman.	Feb. 1, 1886						
75. Burns, John J.....	21	Private.....	Aug. 17, 1883	Assistant Foreman.	Feb. 1, 1886						
76. Martin, Michael.....	26	Fireman.....	July 1, 1873	Assistant Foreman.	Dec. 1, 1886						
77. Miller, William.....	28	Private.....	Apr. 2, 1881	Assistant Foreman.	Dec. 1, 1886						

f Reduced to Fireman, March 1, 1877.

x Dismissed August 10, 1869.

v Resigned, September 16, 1872.

y Resigned, Aug. 1, 1871.

w Resigned, September 29, 1865.

aa Dismissed, Oct. 19, 1876.

z Dismissed, Nov. 25, 1873.

bb Resigned, Nov. 3, 1873.

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

APPOINTED IN—	OFFICERS.	ENGINEERS.	FIREMEN.	TOTAL.
1865.....	53	9	38	100
1866.....	12	5	16	33
1867.....	1	2	2	5
1868.....	7	6	8	21
1869.....	9	6	18	33
1870.....	6	2	14	22
1871.....	14	2	10	26
1872.....	6	4	22	32
1873.....	15	7	47	69
1874.....	7	9	38	54
1875.....	14	8	22	44
1876.....	2	..	8	10
1877.....	7	11	4	22
1878.....	2	1	2	5
1879.....	3	6	7	16
1880.....	4	11	26	41
1881.....	8	5	34	47
1882.....	4	3	50	57
1883.....	4	8	73	85
1884.....	6	9	81	96
1885.....	..	5	33	38
1886.....	..	4	54	58
1887.....	..	2	44	46
Total.....	184	125	651	960

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.	Malignant Mischiefs.	Not ascertained.	Reflection from Stoves, etc.	Reflection of Distant Fire.
Unnecessary.....	41	3	9	45	98	8	1	7	2	4	3	39	7	11	16	..	..
Indication of fire.....	90	2	40	1	133	..	..	..	..	..	..	..	..	..	..	13	1
Fires.....	1,559	21	1,333	16	2,929	..	..	..	..	..	..	..	..	..	..	..	2,929
Total.....	1,690	26	1,382	62	3,160	8	1	7	2	4	3	39	7	11	16	13	1

269 alarms were communicated by attachés of this Department, of which 261 proved to be for fires.

1,051	"	"	"	"	"	Police	"	1,002	"	"
544	"	"	"	"	"	District key-holders,	"	513	"	"
226	"	"	"	"	"	Citizen	"	205	"	"
1,070	"	"	"	"	"	All other means,	"	948	"	"
3,160	"	"	"	"	"	All the various means,	"	2,929	"	"

Statistics of Fires.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
In buildings—													
Confined to point of starting.....	226	190	223	229	214	193	348	180	181	195	217	253	2,649
Confined to building.....	28	17	22	20	13	8	11	8	4	9	13	22	175
Extended to other buildings .....	..	3	1	3	8	3	5	..	3	4	4	3	37
Number in buildings	254	210	246	252	235	204	364	188	188	208	234	278	2,861
In vessels .....	..	1	2	3	..	1	2	2	..	1	3	1	16
In other places (woods, etc.).....	1	..	3	3	4	4	6	5	9	8	7	2	52
Total	255	211	251	258	239	209	372	195	197	217	244	281	2,925

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Discovered by—													
Attaches of Fire Department.....	20	19	23	22	19	18	57	9	14	16	23	21	261
Attaches of Police Department.....	88	85	97	90	86	72	100	65	70	70	79	100	1,002
District key-holders.....	46	36	41	53	36	34	68	28	29	44	50	48	513
Citizen key-holders.....	23	15	25	16	16	17	18	12	12	17	14	20	205
All other means.....	78	56	65	77	82	68	129	81	72	70	78	92	948
Total.....	255	211	251	258	239	209	372	195	197	217	244	281	2,929
Extinguished—													
Without engine stream.....	166	131	149	160	133	150	294	142	138	150	155	184	1,972
With one engine stream.....	45	56	61	57	49	31	49	35	34	44	50	57	572
With two or three engine streams.....	28	17	29	27	25	20	19	12	21	16	31	32	277
With more than three engine streams.....	16	7	12	14	12	8	10	2	4	7	8	8	108
Total.....	255	211	251	258	239	209	372	195	197	217	244	281	2,929
Extent of damage to buildings and vessels—													
Built mainly of brick, stone or iron:													
Slight.....	75	69	73	67	73	43	55	55	46	43	58	74	731
Considerable.....	13	4	7	11	10	6	5	1	4	6	6	5	78
Destroyed.....	..	..	..	..	13	..	1	..	..	..	..	..	14
Total.....	88	73	80	78	96	49	61	56	50	49	64	79	823
Built mainly of wood:													
Slight.....	3	9	13	8	18	14	8	2	8	7	11	21	122
Considerable.....	3	1	4	2	2	2	2	2	1	2	1	1	23
Destroyed.....	..	1	..	..	9	..	1	..	..	..	..	..	11
Total.....	6	11	17	10	29	16	11	4	9	9	12	22	156
Total buildings and vessels damaged.....	94	84	97	88	125	65	72	60	59	58	76	101	979
To which the damage was—													
Slight.....	78	78	86	75	91	57	63	57	54	50	69	95	853
Considerable.....	16	5	11	13	12	8	7	3	5	8	7	6	101
Destroyed.....	..	1	..	..	22	..	2	..	..	..	..	..	25
Number of fires resulting in damage to contents only; buildings or vessels not damaged.....	29	15	30	41	43	35	99	31	26	34	28	43	454
Number of fires resulting in nominal damage (less than \$10) to either structures or contents.....	94	60	68	95	89	88	137	80	79	90	78	104	1,062

Attention is invited to the following comparative statistics:
 Percentage of—
 Fires in buildings extending to other buildings. 1881-1886 (6 years.) 1887.
 Buildings destroyed. 2 1/4 per cent. 1 1/4 per cent.
 Nearly 2 per cent. Less than 1 per cent.

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.....	51	32	21	37	34	30	144	32	26	42	36	43	528
Tuesday.....	42	28	36	41	36	29	39	33	26	18	45	46	419
Wednesday.....	32	21	36	31	41	29	25	28	27	36	50	31	387
Thursday.....	25	32	57	30	34	39	33	30	34	21	32	52	409
Friday.....	27	31	31	40	17	16	42	32	28	31	25	40	360
Saturday.....	33	44	39	43	40	37	48	23	25	35	29	43	439
Sunday.....	45	23	31	36	37	29	41	27	31	34	27	26	387
Between the hours of—													
12 midnight and 1 a. m.....	14	7	14	3	10	4	10	6	8	6	8	8	98
1 a. m. and 2 a. m.....	7	9	9	10	8	5	2	10	11	4	7	6	88
2 a. m. and 3 a. m.....	2	4	11	4	6	3	9	3	11	7	4	5	69
12 midnight and 3 a. m.....	23	20	34	17	24	12	21	19	30	17	19	19	255
3 a. m. and 4 a. m.....	5	2	4	13	4	6	3	6	3	3	7	4	60
4 a. m. and 5 a. m.....	2	7	4	5	2	4	8	1	3	4	1	3	44
5 a. m. and 6 a. m.....	6	2	5	1	4	6	6	2	3	5	5	8	53
3 a. m. and 6 a. m.....	13	11	13	19	10	16	17	9	9	12	13	15	157
12 midnight and 6 a. m.....	36	31	47	36	34	28	38	28	39	29	32	34	412
6 a. m. and 7 a. m.....	1	4	4	6	4	3	5	2	4	2	10	9	54
7 a. m. and 8 a. m.....	4	10	8	5	4	3	3	1	3	4	3	5	53
8 a. m. and 9 a. m.....	6	9	11	4	11	6	8	6	5	3	7	6	82
6 a. m. and 9 a. m.....	11	23	23	15	19	12	16	9	12	9	20	20	189
9 a. m. and 10 a. m.....	9	8	4	13	9	5	17	3	5	10	6	8	97
10 a. m. and 11 a. m.....	9	6	3	17	6	7	13	10	8	7	12	15	113
11 a. m. and 12 m.....	13	11	8	15	10	7	13	12	8	6	21	10	135
9 a. m. and 12 m.....	31	25	15	46	25	19	43	25	21	23	39	33	345
6 a. m. and 12 m.....	42	48	38	61	44	31	59	34	33	32	59	53	534
12 midnight and 12 m.....	78	79	85	97	78	59	97	62	72	61	91	87	946

* July 4 occurred on Monday.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Between the hours of—													
12 m. and 1 p. m.....	7	8	10	5	4	8	23	5	5	4	14	10	103
1 p. m. and 2 p. m.....	11	9	11	7	6	10	20	14	9	11	10	6	124
2 p. m. and 3 p. m.....	13	10	10	13	12	10	16	5	8	15	11	16	139
12 m. and 3 p. m.....	31	27	31	25	22	28	59	24	22	30	35	32	366
3 p. m. and 4 p. m.....	8	4	11	8	12	12	22	10	8	5	11	10	121
4 p. m. and 5 p. m.....	13	7	11	14	8	18	15	7	8	14	20	11	146
5 p. m. and 6 p. m.....	23	16	12	16	10	8	22	10	7	12	18	25	179
3 p. m. and 6 p. m.....	44	27	34	38	30	38	59	27	23	31	49	46	446
12 m. and 6 p. m.....	75	54	65	63	52	66	118	51	45	61	84	78	812
6 p. m. and 7 p. m.....	24	11	24	17	11	16	21	12	8	28	16	19	207
7 p. m. and 8 p. m.....	16	22	19	24	27	12	26	18	23	19	14	25	245
8 p. m. and 9 p. m.....	10	15	17	17	26	24	33	20	20	8	12	23	235
6 p. m. and 9 p. m.....	60	48	60	58	64	52	80	50	51	55	42	67	687
9 p. m. and 10 p. m.....	23	14	16	18	15	12	37	12	6	13	13	21	202
10 p. m. and 11 p. m.....	11	10	17	14	15	13	22	13	11	15	8	12	161
11 p. m. and 12 midnight.....	8	6	8	8	15	7	18	7	12	10	6	16	121
9 p. m. and 12 midnight.....	42	30	41	40	45	32	77	32	29	40	27	49	484
6 p. m. and 12 midnight.....	102	78	101	98	109	84	157	82	80	95	69	116	1,171
12 m. and 12 midnight.....	177	132	166	161	161	150	275	133	125	156	157	194	1,983
6 a. m. and 6 p. m.....	117	102	103	124	96	97	177	85	78	93	143	131	1,346
6 p. m. and 6 a. m.....	138	109	148	134	143	113	195	110	119	124	101	150	1,583
Total each month.....	255	211	251	258	239	209	372	195	197	217	244	281	2,929

Notable Fires.

January 20—Nos. 175 and 177 Canal street, a five-story brick building, 50 by 100 feet, occupied by the Phoenix Furniture Company as a sale and storage house. The fire originated on the third floor and extended to the roof, considerably damaging the building. The first alarm was received at 2.45 A. M., and at 2.48 and 3.06 A. M., respectively, second and third alarms were sent out. The services of twelve engine and four hook and ladder companies and a water-tower were required, and the fire was under control in two hours. The cause was supposed carelessness in the use of matches, and the loss is estimated at \$34,020.

January 22—Nos. 72 and 74 West Twenty-third street, a six-story brick building, 75 by 100 feet, occupied by Conkling & Chivvis, dealers in dry goods. The fire originated on the first floor and extended through the stairway to the second floor, slightly damaging the building. The first alarm was received at 9.14 P. M., and as Hook and Ladder Company No. 3 was the only company in quarters to respond thereto (the other companies due at the station being at the time on duty at a fire at No. 257 West Twenty-seventh street), the telegraph operator immediately sent out a special call (as the rules provide) for the second section of Engine Company No. 16 to proceed to the fire. On his arrival the commanding officer of Hook and Ladder Company No. 3 sent out a third alarm at 9.21 P. M. and a simultaneous call (third alarm for the companies due at Station 265 to proceed to Station 377) at 9.23 P. M. The fire required the services of nine engine and five hook and ladder companies, and was under control in forty-five minutes. Its cause could not be ascertained, and the estimated loss was \$81,575.

January 24—No. 497 Broadway, extending through to No. 68 Mercer street, a four-story brick building, 25 by 200 feet, occupied by M. Stern, furriers, and others. The fire originated on the second floor and extended to third and fourth floors. The building was considerably damaged. The first alarm was received at 6.14 P. M., and at 6.24 and 6.26 P. M., respectively, second and third alarms were sent out. Six engine and four hook and ladder companies and a water-tower were used in extinguishing the fire, which was under control in thirty minutes. The cause of the fire was not ascertained, and the estimated amount of loss was \$40,250.

January 25—No. 57 Murray street, a five-story brick, marble front building, 25 by 75 feet, occupied by Brutz, Gover & Co., manufacturers of patent medicines. The fire originated on the second floor and extended by hatchway to the third, fourth and fifth floors, damaging the building considerably. The first alarm was received at 11.23 A. M., and at 11.30 A. M. a third alarm was sent out. The services of eleven engine and four hook and ladder companies and a water-tower were necessary in extinguishing the fire, which was under control in forty-five minutes. The fire was caused by hot ashes being placed in a wooden box, and the estimated amount of loss was \$26,045.

January 26—Nos. 142 and 144 Mulberry street, a six-story brick building, 50 by 100 feet, occupied by H. B. Youngs as a paper-box manufactory, and others. The fire originated on the second floor and extended to the sixth floor. The building was considerably damaged. The first alarm was received at 8.28 P. M., and at 8.37 and 8.48 P. M., respectively, second and third alarms were sent out and also special calls for three engine companies. It required the services of fourteen engine and four hook and ladder companies and a water-tower to extinguish the fire, which was under control in three hours and fifteen minutes. The cause was not ascertained, and the loss was estimated at \$81,050.

January 29—Pier 9, North river, a two-story frame building, 40 by 400 feet, occupied by the Cromwell Steamship Line for storing merchandise. The fire originated among bales of cotton (of which there were about 2,000) and it extended to all parts of the building and the dock, considerably damaging both. The first alarm was received at 4.23 P. M., and at 4.26 and 4.34 P. M., respectively, second and third alarms were sent out. The services of eleven engine and four hook and ladder companies and of both of the floating engines, were required to extinguish the fire, and it was under control in two hours. There was considerable delay in sending the first alarm for this fire, the police officer who sent it out claiming that he attempted to use box 21 (at corner of West and Rector streets) and finding it out of order, after waiting about three minutes sent the alarm from box 22 (Greenwich and Rector streets), to which the companies responded. The second alarm was, however, sent out from box 21 by an officer of this Department (three minutes after the first was received from box 22), at which time the box was found to be in working order. The cause was supposed to be spontaneous combustion, and the estimated loss was \$68,500.

February 20—Nos. 622 and 624 Broadway, extending through to Nos. 156 and 158 Crosby street, a six-story brick, iron front building, 50 by 200 feet, occupied by various firms in the manufacture of clothing. The fire originated on the fifth floor and extended by means of the recesses in the walls and through the ceiling to the sixth floor, the building being considerably damaged. The first alarm was received at 4.39 A. M., and at 4.58 and 5.28 A. M., respectively, second and third alarms were sent out. The fire required the services of eleven engine and five hook and ladder companies, and was under control in two hours. The cause could not be ascertained, and the loss was estimated at \$117,000.

February 28—Pier, new No. 37, North river. The fire originated on the lighter "Lorena" loaded with 1,050 bales of cotton, and extended to the following lighters: "Peter Ritter," loaded with 550 bales of cotton, the "Montague Morgan," loaded with 352 bales of cotton, and the "Hope," loaded with 455 bales of cotton, and to the canal-boat "G. W. Wood," loaded with canal coal, all of which boats lay at the south side of the pier, and were considerably damaged. The fire also extended to the pier, on which was a one and three-story frame building, 70 by 500 feet, occupied by the Morgan Steamship Line for the reception and storage of merchandise, etc., which was totally destroyed. It also extended to the steamship "Lone Star," lying on the south side of the pier, and considerably damaged it, also to the lighter "Angeline Anderson," lying on the north side of pier, and loaded with 1,110 bales of cotton, and slightly damaged it. The first alarm was received at 6.27 A. M., and at 6.35 and 6.40 A. M., respectively, second and third alarms were sent out. The fire required the services of eleven engine and four hook and ladder companies and the floating engine 43 ("William F. Havemeyer"), and was under control in two hours. On the arrival of

the first alarm companies, the tide was found to be extremely low, a strong gale of wind was blowing and the lighters "Lorena" and "Ritter," with their loads of cotton (all uncovered), lying near the outer end of the pier all in flames. The low tide allowed the flames to be driven under the pier and ignited it, and the flames then passed up through closets and into a loft on the end of the pier used as a rigging loft, cooper's and carpenter's shops, and thence extended with such rapidity throughout the entire structure on the pier, that a part of the force, consisting of the Chief of Department, Chief of Third Battalion, the officers and men of Engine Companies Nos. 24, 27, 30 and Hook and Ladder Company No. 5, together with several employees on the pier, were almost surrounded by the fire, but succeeded in making their way to one of the gangways on the north side of the pier, to the string-piece, where they remained until taken off by the tug-boat "D. M. Cox," which they hailed from mid-stream. The Chief of Fifth Battalion, together with some of the members of Engine Companies Nos. 13, 24 and 30, and several employees on the pier, succeeded in reaching the West street end of the pier, passing through dense smoke. Under direction of the Chief of Department, the members of the force who were taken off the pier on the tug-boat "D. M. Cox" rescued one of the employees, named Henry Wyatt (who had taken refuge in an office on the pier, and could not escape), by cutting away a wire screen from the office window and pulling him through and on to the boat. Fireman Edward D. Farrell, of Engine Company No. 24, was severely burned about the head, face and hands, while making his escape from the pier. Thirty-eight lengths of hose belonging to Engine Companies Nos. 13, 24 and 30, which had to be abandoned, were destroyed. The Department labored under great disadvantage on account of the floating Engine 51 ("Zophar Mills") being out of service undergoing repairs at the time. In connection with this circumstance attention is invited to the want of an additional fire-boat, to provide which the necessary appropriation was applied for in the Departmental Estimate for the current year, but for which purpose no appropriation was made by the Board of Estimate and Apportionment. The fire was caused by sparks igniting the cotton on the lighter "Lorena," and resulted in an estimated loss of \$492,600.

March 5—Nos. 27, 29 and 31 Rose street, a four and five-story brick building, 75 by 80 feet. The fire originated in the cellar of No. 29, occupied by J. S. Dryfus as a manufactory of wheelbarrows, and extended by hatchways and openings in the floors throughout the entire building. No. 27 was occupied as a printing establishment, and No. 31 was occupied by the publishers of the "New York Weekly Company." The building was considerably damaged. The first alarm was received at 4:23 P. M., and at 4:32 and 4:45 P. M., respectively, second and third alarms were sent out. Eleven engine and four hook and ladder companies, and one water-tower were employed in extinguishing the fire, and it was under control in two and one-quarter hours. The fire was caused by the careless use of matches, and the loss is estimated at \$80,000.

March 8—Nos. 145 to 149 Bowery, a four and five story brick, free-stone front building, 75 by 75 feet, occupied by Nicoll as a tailoring establishment. The fire originated in the cellar and extended by dumb waiter and stairways to all parts of the building, which was considerably damaged. The first alarm was received at 4:54 A. M., and at 4:57 and 4:58 A. M., respectively, second and third alarms were sent out, and also special calls for Engine Companies No. 5 and 27. It required the services of thirteen engine and four hook and ladder companies to extinguish the fire and it was under control in one and one-half hours. It was caused by escaped gas igniting, and the estimated loss was \$60,200.

March 13—Nos. 297 to 303 Cherry street, a seven-story brick building, 100 by 200 feet, occupied by Heywood Brothers & Co. as a chair manufactory. The fire originated on the seventh floor and extended to the roof. The building was slightly damaged. The first alarm was received at 2:06 P. M., and at 2:10 and 2:10½ P. M., respectively, second and third alarms were sent out, and a special call for water-tower. Ten engine and four hook and ladder companies were required to extinguish the fire, which was under control in thirty minutes. The cause was spontaneous combustion, and the estimated loss \$33,000.

March 26—No. 471 Broadway, extending through to No. 44 Mercer street, a five-story brick building, 25 by 200 feet, occupied by Lewis, Cubb & Lesser, dealers in fancy goods. The fire originated on the first floor and extended to the second. The building was slightly damaged. The first alarm was received at 9:23 P. M., and at 9:34 P. M. a second alarm was sent out. The services of three engine and three hook and ladder companies were required, and it was under control in thirty minutes. Carelessness with matches was the cause of the fire and the loss was estimated at \$47,000.

March 26—Nos. 483 and 485 Broadway, extending through to Mercer street, a five-story brick, iron front building, 50 by 200 feet, occupied by Hecht Brothers, importers of fancy goods. The fire originated on the second floor and extended through light openings to the first, third and fourth floors. The building was slightly damaged. This fire was discovered by Assistant Foreman Ryan, of Engine Company No. 33, while the companies were at work at the fire No. 471 Broadway. The first alarm was sent out at 9:52 P. M., and at 9:56 P. M. a third alarm was sent out because the companies which responded on the second alarm to the fire at No. 471 Broadway were on their way back to quarters at the time this fire was discovered. The fire required the services of five engine and three hook and ladder companies to extinguish it, and it was under control in twenty-five minutes. The cause was defective insulation of electric-light wires, and the estimated loss amounted to \$94,500.

April 11—Nos. 202 and 204 Canal street, a six-story brick building, 50 by 100 feet, occupied as a furniture manufactory. The fire originated on the fifth floor, extended to the fourth and sixth floors by stairway, and considerably damaged the building. The first alarm was received at 6:53 P. M., and at 6:58 and 7 P. M., respectively, second and third alarms were sent out. The services of fourteen engine and four hook and ladder companies, and two water-towers were required, and the fire was under control in two hours. The cause was carelessness of occupant, gas-light igniting wood-work, and the loss amounted to \$40,100.

April 16—North river, from Sixty-seventh to Seventieth street. The pipe line of the Standard Oil Company, extending on the bottom of the river from Weehawken, N. J., to and across this city, underground, and thence on the bottom of the East river to Hunter's Point, L. I., was broken and the escaping oil arising therefrom in large quantities became ignited, and was driven by the wind against the piers, bulkheads, structures and vessels of the New York shore. The entire surface of the river from the shore, more than one thousand feet out into the stream and from Sixty-seventh to Seventy-second street, was at one time a mass of flame. It was, of course, impossible to extinguish the burning oil, but the further escape of the oil was stopped by shutting off the pipe on the New Jersey side, and its flow down the river was checked by the two floating engines. In the meantime, though every effort was made to prevent it, the fire communicated to the piers, bulkheads, structures and vessels, resulting in the following damage:

Destroyed—Piers at Sixty-seventh and Seventieth streets, with structures upon them and the barge "Pilgrim." Damaged—Coal-car trestle-work, bulkheads, piers, etc. The first alarm was received at 10:19 A. M. and a third alarm was sent out at 10:27 A. M., calling for the services of eleven land engines, two floating engines, three hook and ladder companies. The fire was under control in two hours and fifteen minutes. The cause was crude petroleum on water ignited by coals from passing tug-boats. The loss was \$28,200.

April 28—Nos. 221 to 227 Canal street, a six-story brick building, 100 by 175 feet. The fire originated in the cellar of No. 221, which, together with the first and second floors, was used for the storage of upholstery supplies; the cellar and first floor of No. 223, the cellar and first floor of No. 227, for the storage of furniture; the third floor of Nos. 221 to 227 as a manufactory of umbrella coverings, and the fourth, fifth and sixth floors of Nos. 221 to 227 as a manufactory of dress and cloak trimmings. The most determined efforts were made by the Department, and for over one hour the fire was confined to the cellar, but it nevertheless extended to the upper part of the building through belt shafts in the rear, considerably damaging it. The services of fifteen engine and four hook and ladder companies and one water-tower were required, and the fire was under control in two hours and forty minutes. The first alarm was received at 6:42 P. M., and the third alarm was sent out at 6:44 P. M., after which special calls for six engines and one hook and ladder company were sent out. The cause was not ascertained, and the loss amounted to \$182,800.

May 7—One Hundred and Twenty-fourth and One Hundred and Twenty-fifth streets, between First and Pleasant avenues, and East river. The fire originated in a two-story stone building, 50 by 75 feet, occupied by Edward Steers as planing mill, and destroyed the building. It also extended to the one-story frame building, 30 by 80 feet, occupied as a sash and blind manufactory, which was considerably damaged; to the one-story frame building, 25 by 50 feet, on the south side of East One Hundred and Twenty-fifth street, occupied as a stair manufactory, which was destroyed; to the two-story frame building, 30 by 60 feet, on the north side of East One Hundred and Twenty-fourth street, occupied as a wood-turning establishment, which was destroyed; to Nos. 415 and 45 East One Hundred and Twenty-fourth street, a three-story brick building, 50 by 100 feet, occupied as a sash and blind manufactory, which was slightly damaged; and to the lumber yard of A. Steers, which was stored with a large amount of lumber. The first alarm was received at 10:40 P. M., and the third alarm was sent out at 10:42 P. M. The services of ten engine and three hook and ladder companies and one floating engine were required, and the fire was under control in three hours. The fire was caused by overheated steam-pipes in drying room, and the loss amounted to \$177,050.

May 14—Thirty-third and Thirty-fourth streets, between Eleventh and Twelfth avenues. The fire originated in bin No. 23 of the one-story frame building, 700 by 50 feet, on Thirty-third street, occupied by various hay dealers, and the building was destroyed. It extended to Nos. 389 to 395 Eleventh avenue, a two-story brick building, 100 by 100 feet, occupied as a feed mill, the building being considerably damaged; to Nos. 634 to 624 West Thirty-fourth street, a one-story frame and corrugated-iron building, 250 by 100 feet, occupied by various hay dealers, which was destroyed; to No. 626 West Thirty-fourth street, a two-story brick building, 25 by 100 feet, occupied by a hay dealer, which was destroyed; to Nos. 628 and 630 West Thirty-fourth street, a three-story brick building, 50 by 100 feet, occupied by feed dealers, which was destroyed; to No. 632 West Thirty-

fourth street, a three-story brick building, 25 by 60 feet, occupied as a liquor saloon and dwelling, which was destroyed; to Nos. 634 and 636 West Thirty-fourth street, a four-story brick building, 50 by 100 feet, occupied by the Rochester Brewing Co., which was destroyed; to No. 646 West Thirty-fourth street, a three-story brick building, 25 by 60 feet, occupied as a liquor saloon and dwelling, which was considerably damaged; to a freight car of the New York Central and Hudson River Railway Co., which was partially destroyed; and to the tower of the Manhattan Market on Thirty-fourth and Thirty-fifth streets, between Eleventh and Twelfth avenues, which was slightly damaged. The fire required the services of twelve engine and four hook and ladder companies, and one floating engine, and was under control in two hours. The first alarm was received at 7:24½ P. M., and second and third alarms were sent out respectively at 7:29 and 7:29½ P. M. The fire was caused by sparks from locomotive igniting hay, and the loss amounted to \$125,200.

May 27—Fifty-third and Fifty-fourth streets, Tenth and Eleventh avenues. The fire originated on the first floor of three-story brick building, 200 by 600 feet, occupied by the Belt Line Railroad Company as stables, and storage for cars, feed, etc., and extended to all parts of the building, which was destroyed. The investigation made showed that an employee of the company took the fire-alarm box key located in the office and endeavored to send out an alarm from the box at Tenth avenue and Fifty-fifth street, but failed, probably because in his excitement he did not pull down the hook. There was thus considerable delay in sending out the alarm, which was finally accomplished by a police officer, who saw the fire from his post on Ninth avenue. When Engine Company No. 23 (the first company) arrived, the fire had communicated to all parts of the building. About 1,200 horses, 150 cars, snow-ploughs, sweepers, etc., 4,000 bales of hay, and 1,200 bushels of grain were destroyed, and the fire extended to the following buildings:

No. 787 Tenth avenue, three-story brick, 25 by 50, slightly damaged.
No. 792 Tenth avenue, three-story frame, 20 by 35, destroyed.
No. 794 Tenth avenue, two-story frame, 25 by 40, destroyed.
No. 796 Tenth avenue, two-story frame, 25 by 50, destroyed.
Nos. 798 to 804 Tenth avenue, four wooden shanties, considerably damaged.
No. 806 Tenth avenue, two-story brick, 20 by 35, slightly damaged.
No. 815 Tenth avenue, five-story brick, 25 by 60, considerably damaged.
No. 817 Tenth avenue, five-story brick, 25 by 75, slightly damaged.
Nos. 529 to 533 West Fifty-second street, three-five-story brick, 25 by 90, each slightly damaged.
No. 502 West Fifty-third street, two-story brick, 25 by 40, slightly damaged.
No. 504 West Fifty-third street, one-story frame, 20 by 30, slightly damaged.
Rear of No. 506 West Fifty-third street, three-story brick, 25 by 30, slightly damaged.
Nos. 508 to 536 and 545 West Fifty-third street, twelve wooden shanties, destroyed.
No. 505 West Fifty-fourth street, five-story brick, 20 by 40, destroyed.
No. 507 West Fifty-fourth street, five-story brick, 25 by 65, destroyed.
No. 509 West Fifty-fourth street, four-story brick, 25 by 60, destroyed.
No. 525 West Fifty-fourth street, five-story brick, 25 by 65, destroyed.
No. 527 West Fifty-fourth street, five-story brick, 25 by 65, destroyed.
Nos. 529 to 533 West Fifty-fourth street, Nos. 510 to 526 West Fifty-fifth street, three and five story brick silk factory, destroyed.
No. 535 West Fifty-fourth street, five-story brick, 25 by 50, slightly damaged.
Rear of No. 542 West Fifty-fourth street, two-story frame, destroyed.
Nos. 524 and 526 West Fifty-fourth street, two-story brick, considerably damaged.

The first alarm was received at 1:20½ A. M. from box 554 (Fifty-fourth street and Ninth avenue), and a third alarm was sent out at 1:25½ A. M. from box 553 (Fifty-fifth street and Tenth avenue). At 2:01 A. M. a simultaneous call (the "three sixes," so-called), summoning all the apparatus due on third alarm at Station 341 (Fourteenth street and Broadway), was sent out by direction of the Chief of Department. The fire required the services of twenty-one engine and seven hook and ladder companies, and was under control in three hours. The cause could not be ascertained and the loss amounted to \$592,925.

May 31—Nos. 132 to 138 King street, a nine and ten story brick building, 175 by 100 by 30 feet, occupied as a cotton storage warehouse. The fire originated on the first floor of Nos. 132 and 134, extended thence to all floors and also to Nos. 136 and 138, the different parts of the building being connected on each floor by open archways. The first alarm was received at 6:07 P. M., and at 6:14 P. M. a third alarm was sent out. The services of eleven engine and four hook and ladder companies and of the two floating engines were required, and the fire was under control in five hours. The building was considerably damaged. While on duty with watch-lines at this fire on the following day, Fireman First Grade James Rehili, of Hook and Ladder Company No. 8, was struck by a falling bale of cotton, receiving injuries from which he died within an hour. The cause of the fire was carelessness of employee using lantern, and the loss amounted to \$175,000.

June 23—Nos. 179 to 183 Lewis street, a six-story brick building, 75 by 60 feet, occupied as a cigar-box manufactory. The fire originated in the basement and extended to the upper part of the building, through the elevator and stairways, considerably damaging the building, and it also extended (slightly damaging the same) to Nos. 820 and 822 Fifth street, a four-story brick building, 50 by 45 feet, occupied by ship joiners. The first alarm was received at 1 A. M., and second and third alarms were sent out at 1:01½ and 1:07 A. M., respectively. The fire required the services of thirteen engine and four hook and ladder companies, one floating engine, and one water-tower, and was under control in two hours. The cause could not be ascertained, and the loss amounted to \$44,375.

June 25—Nos. 31 to 39 East Houston street, a seven-story brick building, 125 by 150 feet, occupied by various parties—printers, lithographers, bookbinders, etc. The fire originated on the fourth floor, and extended to the fifth, sixth and seventh floors by stairway and through belt-holes. There was no stairway from the sixth to the seventh floor on the westerly end of the building, and had it not been for the fire-escapes, the fire could not have been reached and extinguished at that point. The services of five engine and four hook and ladder companies were required, and the fire was under control in twenty-five minutes. The first alarm was received at 9:42 P. M. and the second and third alarms were sent out at 9:46 and 9:47 P. M., respectively. The fire was caused by spontaneous combustion (supposed), and the amount of loss was \$19,250.

June 28—Nos. 536 to 538 East Twentieth street, extending through to Nineteenth street, a three-story brick building, 40 by 200 feet, occupied by the T. New Manufacturing Co., as manufacturers of tar roofing and sheathing paper. The fire originated on the first floor and extended by stairway and elevator to all parts of the building, which was considerably damaged. The employees attempted to extinguish the fire with the appliances on the premises without giving an alarm, and, consequently, when the Department arrived, the fire had extended throughout the entire building. The first alarm was received at 9:20 A. M., and second and third alarms were sent out at 9:25 and 9:49 A. M., respectively. The services of nine engine and four hook and ladder companies, and one floating engine were required, and the fire was under control in one hour and fifteen minutes. The cause was friction of machinery, and the loss \$27,000.

July 2—No. 343 Broadway, a five-story brick building, 25 by 125 feet, occupied by dealers in fireworks, toys, etc. The fire originated in the cellar and extended by way of the stairway and elevator shaft throughout the entire building, which was considerably damaged. Owing to the large quantity of fireworks and combustible material contained in the building, the fire burned with great rapidity, causing the death of two of the employees, Henry Eils and Gustave Hassler. The first alarm was received at 2:58 P. M., and at 3:03 and 3:08 P. M. respectively, second and third alarms were sent out, followed by special calls for four engine companies. The fire required the services of sixteen engine and four hook and ladder companies, and one water-tower, and was under control in two hours and forty-five minutes, notwithstanding that the supply of water was found to be entirely inadequate. As nearly as it could be ascertained the fire was caused by the ignition of fireworks with a lighted cigar. The loss amounted to \$109,190.

July 3—Nos. 54 and 56 Franklin street, a five-story brick building, 50 by 200 feet, occupied by manufacturing stationers. The fire originated in the cellar and extended by way of the stairways and elevator shaft throughout the entire building, which was considerably damaged. The first alarm was received at 5:48 A. M., and at 5:54 and 5:57 A. M. respectively, second and third alarms and subsequently special calls for four engine companies were sent out. The fire required the services of sixteen engine and four hook and ladder companies and one water-tower, and was under control in two hours and thirty minutes. The cause was heat from steam-boiler igniting wood-work and the loss amounted to \$118,600.

July 6—Nos. 117 to 121 West Thirty-eighth street, a five-story brick building 75 by 100 feet, occupied as a storage warehouse. The fire originated on the second floor and destroyed the building. The building No. 1332 to 1340 Broadway, two-story brick, 100 by 60 feet, occupied for various business purposes, was considerably damaged by falling walls. The first alarm was received at 2:52 A. M. from the special building box located in the building, and at 3 and 3:06 A. M., respectively, second and third alarms were sent out, followed by special calls for two engine companies. The fire required the services of thirteen engine and four hook and ladder companies, and was under control in two hours and fifteen minutes. The companies responding on the first alarm operated inside of the building until the gases with which it became surcharged were ignited by the fire and exploded, driving the firemen out upon the street. Before they could make their escape, however, Foreman Vetter, Engine Company No. 26, Assistant Foreman Delaney, Engine Company No. 1, and Firemen Douglas, Conroy and Trainor, Engine Company No. 1, Curley, Engine Company No. 26, and Breen, Strout and Hanlon, of Engine Company No. 34, were severely burned on their hands and faces and otherwise injured. All have since recovered from their injuries. The cause of the fire could not be ascertained and the loss amounted to \$345,325.

October 17—Nos. 123 and 125 Broad street, a five-story brick building, 50 by 70 feet, occupied for storing molasses and syrups. The fire originated on the first floor and extended throughout the

entire building by stairways and elevator shafts, and considerably damaged it. The fire also extended to No. 17 South street, a five-story brick building, 25 by 65 feet, used for office purposes, and considerably damaged it. Nos. 123 and 125 Broad street is a double building, connected on all floors by archways. On the arrival of the first company the building was found to be on fire from the first floor to the roof, and it had also communicated to the rear of the building No. 17 South street through the rear windows, which were not protected with iron shutters, showing that there must have been great delay in sending the alarm.

The first alarm was received at 3.58 A. M., and at 4.02½ and 4.07½ A. M., respectively, second and third alarms were sent out, followed by special calls for two engine companies, and floating Engine 51.

The fire required the services of eleven engine companies, four hook and ladder companies, one water-tower, and one floating engine (43), and was under control in one hour and thirty minutes.

December 15—Nos. 515 and 517 Broadway, a six-story brick (iron and brick front) building, 50 by 200 feet, extending through to Mercer street, occupied by importers of Japanese goods for storage, etc. The fire originated in the sub-cellar, and extended to the cellar floor, slightly damaging the building. The first alarm was received at 7.33 P. M., and at 7.39½ and 7.40 P. M., respectively, second and third alarms were sent out. The fire required the services of eight engine and four hook and ladder companies, and was under control in thirty minutes. The fire was caused by carelessness with lighted candles, and the loss amounted to \$32,500.

December 15—No. 447 Broadway, a five-story brick, marble front building, 25 by 200, extending through to Mercer street, occupied by dealers in fancy goods and toys. The fire originated in the cellar and extended to the first and second floors, slightly damaging the building. This fire was discovered by the members of Engine Company No. 7, who, having been relieved from duty at the fire Nos. 515 and 517 Broadway, were returning to quarters with their apparatus, when they saw smoke issuing from the cellar. They immediately sent out the alarm (at 8.35 P. M.), and went to work. At 8.44 and 8.45½ P. M., respectively, second and third alarms were sent out, followed by special calls for two engine companies. The fire required the services of ten engine and four hook and ladder companies, and was under control in forty minutes. Among the companies on duty at the above fire were the first sections of Engine Companies Nos. 5, 18, and 27, and the second sections of Engine Company No. 13 and Hook and Ladder Company No. 9. In addition, Engine Companies Nos. 7, 20, 30, 31 and 33 and Hook and Ladder Companies Nos. 1 and 6 were on duty at both fires. The cause of the fire could not be ascertained, and the loss amounted to \$70,250.

Water Consumption.

As nearly as can be estimated, 36,619,000 gallons of water were used by the land engines of the Department in extinguishing fires, including the quantity taken from the rivers; and in addition thereto an estimated quantity of 4,800,500 gallons of river water was used by the two floating engines, making an aggregate of 41,419,500 gallons.

Meritorious Services.

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

Fireman 2d grade David Webb, of Hook and Ladder Company No. 2, rescued Reinhard Simank at a fire in No. 100 West Fifty-sixth street, on the night of January 17. On arriving at the fire a man was heard to cry for help from a window in the fourth story. An attempt to raise a forty-five foot ladder was frustrated by the telegraph wires, whereupon the scaling-ladders were used. Fireman Webb was the first to reach a window alongside of another in the third story to which Simank had descended by means of a shutter, and thence assisted him to the scaling-ladder and down to the street.

During the progress of a fire in the basement of No. 84 Park place, on January 22, Fireman 1st grade Francis J. Quinn, who was directing his company's pipe on the stairway leading to the basement, was overcome by the heat and smoke and fell headlong into the cellar. Assistant Foreman Banta and Fireman 2d grade William Harrigan, of Hook and Ladder Company No. 10, and Fireman 1st grade James Rehill, of Hook and Ladder Company No. 8, in endeavoring to bring him up, were driven out by the smoke and flames. Under cover of two streams of water they again descended, and, although exhausted themselves, succeeded in bringing Fireman Quinn up to the sidewalk. There being no windows or openings in the rear wall for the escape of the flame and smoke, the entrance from the front was extremely perilous, and but for the prompt and courageous action of Assistant Foreman Banta and Firemen Rehill and Harrigan, Fireman Quinn would have been suffocated.

At a fire in Nos. 692, 694 and 696 Eighth avenue, on the night of March 4, Firemen 1st grade Patrick O'Brien, of Engine Company No. 54, Patrick Conlon and John D. Dalrymple, of Hook and Ladder Company No. 4, rescued several persons in a manner worthy of special mention. Fireman O'Brien reached the top floor by means of the fire-escape on the front, and passed out to Fireman Gallaghy an infant fourteen months old and to Fireman John D. Dalrymple his mother, Henrietta Johnson, aged 25. He then induced Carrie Gray, aged 24, to remain standing on the projecting cap of a window until Fireman Dalrymple returned and assisted her to the street by a scaling-ladder, raised from the top of a thirty-five foot ladder. He then searched the rooms until he found Mrs. Johnson, aged 60, partly unconscious, whom he endeavored to pass through the window to the firemen outside. This, owing to the narrowness of the window, was found to be impossible, and he was obliged to leave her to her fate, being compelled by the smoke and flame to leave that position. Fireman Patrick Conlon, Hook and Ladder Company No. 4, assisted William R. Childs, aged 30, and Mrs. Meta Childs, aged 30, to the roof by means of a scuttle, and to prevent the woman from jumping from the roof he was obliged to hold her, with the help of her husband, until the forty-five foot ladder was raised to the roof, down which he carried her to the street, followed by her husband. Fireman Dalrymple took Annie Green, aged 35, from the side of a fourth-story window and brought her down a scaling-ladder and the thirty-five foot ladder to the street.

On the night of April 26, at a fire in Nos. 303 and 305 Water street, Fireman 3d grade Joseph P. Johnson, of Hook and Ladder Company No. 1, carried Christian Petersen, aged 25, from a rear room on the second floor in an insensible condition, through smoke and flame, down the stairway to the street.

Fireman 1st grade Michael P. Crowley, of Engine Company No. 7, rescued Mrs. Howard, aged 72, Peter and John Hughes, aged 3 and 7, respectively, from the burning premises, No. 444 Washington street, on the night of May 14. As the stairways were in flames, cutting off ingress and egress, he climbed up the leader to the second story, broke in the window with his hands, cutting them severely, and entering the room lowered the persons named to the street.

On October 8, Engineer of Steamer John Bulger, Engine Company No. 17, detailed to Engine Company No. 43, while returning from dinner heard the cry of a "man overboard," at the foot of Clinton street, East river, and without removing his uniform plunged in and rescued from drowning Patrick McCarthy, aged 56.

On November 22, Fireman 1st grade Dixon McQueen, of Engine Company No. 51, stopped a runaway horse attached to a delivery wagon in a crowded thoroughfare (Fifteenth street and Sixth avenue), and thereby prevented a serious accident to life and limb at great risk to his own.

On the night of November 23, when Hook and Ladder Company No. 2 arrived at a fire in No. 714 Lexington avenue, a boy was seen on the projecting cap of the front door in a frightened condition, and apparently ready to jump off. Fireman 2d grade David Webb leaped from the apparatus and rushed up the stairway, which was filled with heat and smoke, and brought the boy safely to the sidewalk.

The Bennett and Stephenson Medals.

The former of these medals was awarded to Fireman 1st grade Michael Brady, of Engine Company No. 34, for meritorious service rendered in the year 1886, the details of which were given in the report for that year in the following language:

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

The Stephenson medal was awarded to Foreman Daniel Lawler of Engine Company No. 13, who was adjudged to be the most deserving among the company commanders for 1885. The presentation of both medals took place on the Plaza of Union Square, on November 12, in the presence of a large concourse of people, and a brigade of the Department which was reviewed at that point. The presentation was made by his Honor Mayor Abram S. Hewitt.

Presentation of a Stand of Colors.

Immediately after the presentation of the medals a beautiful and costly stand of colors, consisting of the national flag and an appropriate "Department flag," was presented to the Department

on behalf of the following-named subscribers to a fund raised for that purpose through the efforts of the "New York Herald":

"New York Herald".....	\$500 00
Gutta Percha and Rubber Manufacturing Company.....	100 00
German-American Insurance Company, New York.....	100 00
Liverpool and London and Globe Insurance Company.....	100 00
Atlantic Marine Insurance Company.....	100 00
Drexel, Morgan & Co., New York.....	100 00
"New York World".....	100 00
Royal Insurance Company.....	50 00
Fifty members of the New York Stock Exchange.....	50 00
August Belmont & Co.....	50 00
Phoenix Insurance Company of Brooklyn.....	25 00
Westchester Fire Insurance Company.....	25 00
Lancashire Insurance Company.....	25 00
Commercial Union Insurance Company.....	25 00
Morton, Bliss & Co.....	25 00
Phoenix Insurance Company of London.....	25 00
Ætna Insurance Company.....	25 00
Northern Assurance Company of London.....	25 00
Clinton Fire Insurance Company, New York.....	25 00
Niagara Fire Insurance Company, New York.....	25 00
Ex-Judge Gunning S. Bedford.....	25 00
Williamsburg City Fire Insurance Company.....	25 00
Citizens' Insurance Company.....	25 00
New York and New Haven Automatic Sprinkler Company.....	25 00
Guardian Assurance Company.....	25 00
Hanover Fire Insurance Company.....	25 00
Insurance Company of North America.....	25 00
North British Mercantile Insurance Company.....	25 00
American Fire Insurance Company.....	25 00
Callanan & Kemp, New York City.....	10 00
Broadway Insurance Company.....	10 00
Empire City Insurance Company.....	10 00
Montauk Fire Insurance Company.....	10 00
Firemen's Insurance Company.....	10 00
Merchants' Insurance Company.....	10 00
N. Y. Bowery Insurance Company.....	10 00
Continental Insurance Company.....	10 00
Eagle Fire Company.....	10 00
London Assurance Company.....	10 00
Roosevelt & Boughton.....	10 00
Exchange Insurance Company.....	10 00
Washington Fire and Marine Insurance Company of Boston.....	10 00
Fire Insurance Association of London.....	10 00
Manufacturers and Builders' Fire Insurance Company.....	10 00
J. Cohen & Son.....	10 00
John C. Perrin of the old Volunteer Fire Department.....	5 00
L. Johnson.....	5 00
Lizzie Robbins.....	5 00
H. Schwartzing, per "New York World".....	1 00
Master Jerome Campbell, nine years old.....	1 00
"Irish American".....	1 00
J. P. F.....	1 00
Little boy and girl (Ralston and May Reed).....	20
Total.....	\$1,904 20

Mayor Hewitt, in an eloquent address, presented the colors as an evidence of the appreciation of the donors of the efficient services and value of the New York Fire Department, and contrasted the ceremony regarding faithful and heroic services in the cause of good government, with the sad, impressive and instructive tragedy of the preceding day in the city of Chicago—punishing the perpetration of a crime against law and order.

President Purroy, in accepting the flags, said:
"Mr. Mayor and Gentlemen of the Committee: On behalf of the Fire Department I accept with feelings of the deepest pride these splendid evidences of the high esteem in which the City of New York holds those who have served her fearlessly and faithfully. It is an acknowledged fact that there is no such potent incentive to the performance of duty and to heroic deeds as the approval of one's fellow-citizens, and I am confident that I voice with accuracy the sincere sentiments of all the members of the uniformed force of this Department when I say, that whatever dangers they have calmly faced, whatever self-sacrifices they have patiently undergone, are all repaid to-day a thousand fold by this presentation, as well as by the words of commendation which have just fallen from the lips of their distinguished Chief Magistrate.

"Mr. Mayor, the firemen of New York gratefully accept these beautiful flags. They will always guard them with jealous care, and deeming them among their richest treasures, they will hand them down absolutely unsullied to those who in the course of time will succeed them in their arduous but ennobling duties."

Life Saving Corps and School of Instruction.

The records show that out of a total of 960 officers and men in the uniformed force at the close of the year, 604 had passed through the school and received their certificates since the introduction of the system in 1882.

The practical value of this training was again conspicuously demonstrated, as the instances of rescues at fires recorded under the head of "Meritorious Services" in this report will show.

Casualties.

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

	KILLED.			INJURED.								AGGREGATE KILLED AND INJURED.		
				FATALLY.		SERIOUSLY.		SLIGHTLY.		TOTAL.				
	At Fires.	Responding to Alarms.	Total.	At Fires.	Total.	At Fires.	Responding to Alarms.	At Fires.	Responding to Alarms.	At Fires.	Responding to Alarms.	At Fires.	Responding to Alarms.	Total.
Members of Department.....	..	..	..	3	4	15	10	25	130	42	172	148	53	201
Others—Before arrival of Department.....	..	..	..	11	11	39	1	33	52	2	54	95	3	98
" After arrival of Department.....	1	1	2	2	2	..	..	..	..	2	2	3	..	3
Total.....	1	1	2	16	17	47	11	58	182	44	226	246	56	302

Rope Fire Escapes in Hotels.

Under the provisions of chapter 720 of the Laws of 1887, the uniformed force inspected all the hotels in the City over two stories high, and the Chief of Department reported the result to the Mayor, as the law requires. 246 hotels were thus inspected, of which number a reinspection showed 228 had not complied with the requirements.

Strength of Uniformed Force, Number of Fires, with Losses, Population, Number of Buildings, etc., from 1866 to 1887.

YEAR.	STRENGTH OF UNIFORMED FORCE.		Number of Fires.	Loss by Fire.	Average Loss per Fire.	Population, Census Years.	Number of Inhabitants to each Fireman.	Number of Inhabitants to each Fire.	Number of Buildings.	Number of Buildings to each Fire.	YEAR.	STRENGTH OF UNIFORMED FORCE.		Number of Fires.	Loss by Fire.	Average Loss per Fire.	Population, Census Years.	Number of Inhabitants to each Fireman.	Number of Inhabitants to each Fire.	Number of Buildings.	Number of Buildings to each Fire.
	No. of Companies.	No. of Officers and Men.										No. of Companies.	No. of Officers and Men.								
1866.....	34	*964	796	\$6,428,000 00	\$8,075 38	769,553	798	967	864,000	80	1878.....	65	727	1,654	\$1,884,505 00	\$1,139 36	.....	.....	.....	.....	..
1867.....	34	*919	873	5,711,000 00	6,541 81	.....	.....	.....	.....	..	1879.....	64	729	1,551	5,671,380 00	3,656 72	.....	.....	.....	.....	..
1868.....	32	592	740	4,342,000 00	5,867 57	.....	.....	.....	.....	..	1880.....	65	748	1,783	3,183,440 00	1,785 44	1,205,299	1,613	676	.....	..
1869.....	32	599	850	2,696,393 00	3,172 23	.....	.....	.....	.....	..	1881.....	66	769	1,785	5,820,259 00	3,260 55	.....	.....	.....	.....	..
1870.....	32	596	964	2,120,212 00	2,199 39	942,292	1,381	977	.....	..	1882.....	67	826	2,001	4,195,960 00	2,096 43	.....	.....	1102,624	51	..
1871.....	32	596	1,258	2,127,356 00	1,691 06	.....	.....	.....	.....	..	1883.....	68	895	2,169	3,512,848 00	1,619 37	.....	.....	1101,735	47	..
1872.....	32	596	1,649	2,891,818 00	1,753 07	.....	.....	.....	.....	..	1884.....	70	919	2,406	3,474,547 00	1,444 12	.....	.....	.....	.....	..
1873.....	34	651	1,470	4,022,640 00	2,736 48	.....	.....	.....	.....	..	1885.....	71	927	2,479	3,789,283 00	1,528 55	.....	.....	1104,250	42	..
1874.....	64	1712	1,353	1,430,306 00	1,055 58	.....	.....	.....	.....	..	1886.....	71	951	2,415	3,340,810 00	1,383 35	.....	.....	.....	.....	..
1875.....	67	748	1,418	2,472,536 00	1,743 67	1,041,285	1,392	734	1134,200	59	1887.....	74	960	2,929	5,585,425 00	1,917 28	.....	.....	.....	.....	..
1876.....	68	747	1,382	3,851,213 00	2,786 70	.....	.....	.....	.....	..	Total, 22 years.....	35,377			\$81,762,826 00	\$2,311 19	.....	.....	.....	.....	..
1877.....	65	752	1,450	3,210,695 00	2,214 27	.....	.....	.....	.....	..						

* Includes about 400 volunteer firemen.

† Annexation of territory north and east of Harlem river.

‡ Estimate based on census of 1865.

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

|| Exclusive of sheds, bridges and piers.

BUREAU OF FIRE MARSHAL.

Losses and Insurance.

	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	YEAR.
Estimated loss—													
On buildings and vessels.....	\$113,331 00	\$256,660 00	\$99,912 00	\$121,584 00	\$444,454 00	\$47,837 00	\$127,129 00	\$18,595 00	\$27,343 00	\$42,055 00	\$41,203 00	\$60,933 00	\$1,401,096 00
On contents.....	511,772 00	469,750 00	435,367 00	382,871 00	854,982 00	117,962 00	707,488 00	73,788 00	87,819 00	110,119 00	149,217 00	282,394 00	4,163,529 00
Total	\$625,103 00	\$726,410 00	\$535,279 00	\$504,455 00	\$1,299,436 00	\$165,799 00	\$834,617 00	\$92,383 00	\$115,162 00	\$150,174 00	\$190,420 00	\$343,327 00	\$5,584,625 00
Estimated insurance—													
On buildings and vessels.....	\$2,207,400 00	\$1,672,300 00	\$1,989,000 00	\$1,551,175 00	\$1,865,000 00	\$1,014,350 00	\$1,891,450 00	\$773,500 00	\$1,390,800 00	\$1,238,650 00	\$1,598,300 00	\$1,630,700 00	\$18,822,625 00
On contents.....	2,755,070 00	1,786,300 00	1,956,375 00	1,250,052 00	1,962,800 00	672,255 00	3,694,766 00	634,189 00	721,610 00	613,250 00	1,504,845 00	2,140,705 00	19,692,217 00
Total	\$4,962,470 00	\$3,458,600 00	\$3,945,375 00	\$2,801,227 00	\$3,827,800 00	\$1,686,605 00	\$5,586,216 00	\$1,407,689 00	\$2,112,410 00	\$1,851,900 00	\$3,103,145 00	\$3,771,405 00	\$38,514,842 00
Estimated uninsured loss—													
On buildings and vessels.....	\$11,357 00	\$200,885 00	\$1,642 00	\$1,787 00	\$88,417 00	\$1,040 00	\$1,825 00	\$71 00	\$1,637 00	\$145 00	\$345 00	\$798 00	\$310,549 00
On contents.....	79,852 00	9,133 00	2,222 00	14,586 00	193,178 00	1,557 00	103,700 00	1,672 00	7,388 00	11,216 00	13,059 00	10,382 00	387,945 00
Total	\$31,809 00	\$210,018 00	\$3,864 00	\$16,373 00	\$281,595 00	\$2,597 00	\$105,525 00	\$1,743 00	\$9,025 00	\$11,361 00	\$13,404 00	\$11,180 00	\$698,494 00
Average loss per fire	\$2,447 69	\$3,442 61	\$2,132 19	\$1,955 23	\$5,437 05	\$793 29	\$2,243 59	\$473 75	\$584 58	\$704 95	\$780 41	\$1,221 80	\$1,906 90

Extent of Loss at Fires.

	JANUARY.	FEB.	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.....	94	60	72	96	90	90	147	80	81	92	83	105	1,090	37	
Between \$10 and \$50.....	45	43	58	54	44	52	117	49	44	55	55	57	673	23	\$50 at 1,763 fires.
“ 50 “ 100.....	20	19	22	17	21	10	23	13	19	16	17	22	229	08	100 at 1,992 “
“ 100 “ 1,000.....	48	64	65	60	57	36	50	33	36	32	60	66	607	21	1,000 at 2,599 “
“ 1,000 “ 5,000.....	28	18	18	17	15	15	21	8	11	15	18	16	200	07	5,000 at 2,799 “
“ 5,000 “ 10,000.....	4	2	4	4	4	3	2	5	4	3	7	6	48		10,000 at 2,847 “
“ 10,000 “ 20,000.....	7	3	5	4	2	1	1	2	2	3	4	4	34		20,000 at 2,881 “
“ 20,000 “ 30,000.....	3	..	1	2	..	1	..	..	1	1	..	2	11		30,000 at 2,892 “
“ 30,000 “ 40,000.....	2	..	2	1	..	..	1	..	1	1	..	2	10		40,000 at 2,902 “
“ 40,000 “ 50,000.....	1	..	1	1	1	1	1	..	..	1	..	1	7		50,000 at 2,909 “
“ 50,000 “ 60,000.....	..	..	..	..	..	..	..	..	..	..	..	..	1		60,000 at 2,910 “
“ 60,000 “ 70,000.....	1	..	1	..	..	..	..	..	..	..	..	..	2		70,000 at 2,912 “
“ 70,000 “ 80,000.....	..	..	..	..	..	..	..	..	..	..	..	1	1		80,000 at 2,913 “
“ 80,000 “ 90,000.....	2	..	1	..	1	..	..	..	..	..	..	..	4		90,000 at 2,917 “
“ 90,000 “ 100,000.....	..	..	1	..	..	..	..	..	..	..	..	..	1		100,000 at 2,918 “
“ 100,000 “ 125,000.....	..	1	..	..	..	3	..	..	..	..	..	..	4		125,000 at 2,922 “
“ 125,000 “ 150,000.....	..	..	..	..	1	..	..	..	..	..	..	..	1		150,000 at 2,923 “
“ 150,000 “ 200,000.....	..	..	..	1	2	..	..	..	..	..	..	..	3		200,000 at 2,926 “
“ 200,000 “ 350,000.....	..	..	..	..	..	..	1	..	..	..	..	..	1		350,000 at 2,927 “
“ 350,000 “ 450,000.....	..	1	..	..	..	..	..	..	..	..	..	..	1		450,000 at 2,928 “
“ 450,000 “ 600,000.....	..	..	..	..	1	..	..	..	..	..	..	..	1		600,000 at 2,929 “
	255	211	251	258	239	209	372	195	197	217	244	281	2,929		

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.	Incuriousness.	Not Ascertained.	Total.	Dwellings.	Merchandise Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Storehouses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Iron Yards.	Piers, Docks, etc.	Vessels.	Miscellaneous.		Total.
<i>In Heating.</i>																							
Beams built into chimneys and fireplaces.....	3	3	2	..	1	3	\$4,507 00
Chimneys, fireplaces, flues, grates, etc.....	62	62	43	4	8	..	3	1	2	1	62	51,550 00
Foul chimneys.....	..	175	175	163	7	4	..	1	175	30 00
Kerosene-oil used in lighting fires.....	..	8	8	8	8	125 00
Kerosene-oil stove taking fire.....	1	1	1	1	100 00
Matches, tapers, etc., used in starting fires, igniting merchandise, etc.....	..	2	2	1	..	1	2	3,815 00
Soot in flues and fireplaces igniting woodwork.....	..	42	42	31	4	2	..	2	42	5,492 00
Sparks from stoves, chimneys, stove-pipes, etc., igniting woodwork, clothing, etc.....	24	12	36	18	3	11	1	2	1	36	24,641 00
Steam-pipes igniting floor beams, woodwork, etc.....	4	4	1	..	2	1	..	4	5,255 00
Stoves, boilers, furnaces, stove and heater pipes, igniting bedding, clothing, woodwork, etc.....	60	113	173	121	12	23	2	3	..	4	1	1	6	173	150,305 00
Stoves, furnaces and grates, hot coals falling from.....	8	2	..	..	1	..	..	11	7	..	2	1	1	..	..	..	..	..	..	..	11	2,790 00
Stoves upsetting.....	4	3	..	..	..	..	..	7	5	..	1	..	1	..	..	..	..	..	..	..	7	66 00
Total number of fires.....	101	357	65	..	1	524	403	30	55	4	11	..	6	2	3	1	9	524
Total loss.....	\$105,961	\$86,693	\$56,057	..	5	\$248,716 00
<i>In Illuminating.</i>																							
Electric-lights, sparks from.....	22	22	1	6	2	3	2	4	1	..	1	1	1	22	\$96,045 00
Gas, explosion of.....	2	2	2	2	235 00
Gas-meters, explosion of.....	1	1	..	1	1
Gas escaping and igniting.....	23	26	49	26	8	8	..	1	1	1	1	3	49	72,525 00
Gas-lights, candles, lamps, etc., igniting merchandise in stores, show-rooms, windows, and bedding, straw, woodwork, rubbish, etc.....	6	238	244	179	27	20	2	6	1	2	3	4	244	332,846 00
Lamps, gasoline, taking fire.....	1	1	1	1	25 00
Lamps, kerosene-oil, breaking.....	8	3	..	..	..	..	..	11	8	..	2	1	..	..	..	..	..	..	..	..	11	22,698 00
Lamps, kerosene-oil, exploding.....	175	2	..	..	..	..	..	177	158	4	9	1	1	..	1	..	..	1	..	2	177	43,571 00
Lamps, kerosene-oil, falling.....	32	38	..	..	..	..	..	70	62	1	7	..	..	..	..	..	..	..	..	..	70	15,749 00
Lamps, kerosene-oil, upsetting.....	5	77	..	..	..	..	..	82	73	1	4	..	2	..	..	..	..	..	1	1	82	1,319 00
Lamps, kerosene-oil, taking fire.....	10	3	..	..	..	..	..	13	9	..	..	1	..	..	..	1	..	..	1	1	13	210 00
Matches, lighted tapers, etc., igniting clothing, woodwork, rubbish, etc.....	1	129	..	..	..	..	..	130	75	14	22	3	..	..	13	1	1	..	..	1	130	239,078 00
Total number of fires.....	286	516	802	593	62	74	11	13	2	17	10	6	..	2	3	9	802
Total loss.....	\$234,549	\$609,752	\$844,301 00
<i>In Manufacturing and other Business.</i>																							
Alcohol, tar, gum, oils, paints, varnish, etc., igniting on stoves, furnaces, over gas-lights, etc.....	32	6	..	..	..	..	..	38	4	3	24	1	6	..	..	..	..	..	..	..	38	\$65,221 00
Bursting of oil pipe, oil igniting.....	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	28,200 00
Chemicals igniting.....	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	600 00
Chimneys, flues, etc., heat from igniting woodwork.....	..	8	..	..	..	..	..	8	..	7	..	1	..	..	..	..	..	..	..	..	8	13,695 00
Cotton, jute, etc., igniting.....	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	1,575 00
Foul chimneys.....	..	12	..	..	..	..	..	12	3	..	8	..	1	..	..	..	..	..	..	..	12	.....
Friction of machinery.....	14	..	..	..	..	..	..	14	..	14	..	..	..	..	..	..	..	..	..	..	14	49,455 00
Gas stoves, gas-lights, igniting woodwork, paper, merchandise, etc.....	3	3	..	..	..	..	..	6	..	1	4	..	..	..	..	1	..	..	..	..	6	51,810 00
Hams, meats, etc., in ovens and smoke-houses, igniting.....	5	..	..	..	..	..	..	5	..	5	..	..	..	..	..	..	..	..	..	..	5	2,400 00
Hot metals igniting woodwork, merchandise, etc.....	..	3	..	..	..	..	..	3	..	2	..	..	..	..	..	..	..	..	1	..	3	1,570 00
Inflammable material, ignition of.....	..	1	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	.....
Kerosene-oil stoves bursting, taking fire, etc.....	3	1	..	..	..	..	..	4	..	4	..	..	..	..	..	..	..	..	..	..	4	45 00
Lamps, alcohol, exploding and taking fire.....	3	2	..	..	..	..	..	5	2	1	2	..	..	..	..	..	..	..	..	..	5	175 00
Lime, slaking of.....	3	..	..	..	..	..	..	3	..	..	..	..	..	1	..	..	1	..	..	1	3	4,452 00
Naphtha and benzine vapor igniting.....	11	8	..	..	..	..	..	19	1	6	12	..	..	..	..	..	..	..	..	..	19	44,872 00
Sulphur igniting in handling.....	..	1	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	450 00
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.....	89	19	..	..	..	..	..	108	14	23	46	1	2	..	2	1	..	1	1	2	108	692,311 00
Soot in stove-pipes, chimneys, etc.....	..	2	..	..	..	..	..	2	1	..	1	..	..	..	..	..	..	..	..	..	2	65 00
Steam-pipes igniting merchandise.....	7	2	..	..	..	..	..	9	1	..	7	1	..	..	..	..	..	..	..	..	9	217,650 00
Spontaneous combustion of oily rags, etc.....	47	3	..	..	..	..	..	50	3	2	39	1	1	1	..	..	1	1	1	..	50	228,720 00
Stoves, boilers, furnaces, ovens, etc., igniting merchandise, shavings, etc.....	39	24	..	..	..	..	..	63	10	7	34	1	8	..	1	..	1	..	1	..	63	253,336 00
Stoves, furnaces, etc., hot coals falling from.....	7	9	..	..	..	..	..	16	8	1	4	..	1	..	..	..	..	..	1	1	16	5,215 00
Stoves upsetting.....	..	1	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	.....
Vitriol, acids, spirits, etc., carboys of, breaking, or vapor igniting.....	2	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2	2	810 00
Workmen burning rubbish.....	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	2 00
Total number of fires.....	269	98	8	375	48	46	216	5	20	1	4	2	1	4	2	6	20	375
Total loss.....	\$1,562,066	\$86,933	\$13,695	\$1,662,714 00
<i>Miscellaneous.</i>																							
Benzine, gasoline, vapor igniting.....	3	..	..	..	..	..	..	3	2	..	..	..	..	..	..	..	..	..	1	..	3	\$258 00
Bonfires.....	..	..	21	..	..	..	..	21	3	1	..	..	..	1	1	..	1	..	..	14	21	417 00
Charcoal fire igniting woodwork.....	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	.....
Cigars, pipes, etc., smoking of.....	..	220	3	..	..	..	..	223	77	42	57	9	5	..	17	4	..	2	2	8	223	212,711 00
Defective flues and chimneys.....	..	10	..	..	..	..	..	10	7	..	2	..	1	..	..	..	..	..	..	..	10	2,808 00
Fat, glue, varnish, etc., taking fire on stoves, etc.....	17	5	..	..	..	..	..	22	21	..	1	..	..	..	..	..	..	..	..	..	22	268 00
Firecrackers.....	..	75	38	2	..	2	..	117	54	21	18	..	10	..	4	..	1	..	..	9	117	24,306 00
Fireworks, rockets, etc.....	1	29	3	..	..	1	..	34	23	3	5	..	1	..	1	..	..	..	..	1	34	110,584 00

ORIGIN.	CAUSE.							PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—														Aggregate Loss to Structures and Contents.	
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischievousness.	Maliciousness.	Incendiarism.	Not Ascertained.	Total.	Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Storehouses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Piers, Docks, etc.	Vessels.	Miscellaneous.		Total.
Foul chimneys.....	..	14	..	..	..	..	..	14	14	..	..	..	..	..	..	..	..	..	..	..	..	14	.....
Gas stoves, leak in pipe.....	3	..	..	..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..	..	..	3	\$7 00
Hot ashes igniting woodwork.....	..	35	..	..	..	..	..	35	15	4	9	3	3	..	..	..	1	..	..	..	..	35	69,810 00
Inflammable material, ignition of.....	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	1	.....
Kerosene-oil poured over woodwork and ignited.....	..	..	..	2	2	2	..	6	5	..	..	1	..	..	..	..	..	..	..	..	..	6	47 00
Kerosene-oil stoves falling.....	3	1	..	..	..	..	..	4	4	..	..	..	..	..	..	..	..	..	..	..	..	4	214 00
Kerosene-oil stoves exploding.....	3	..	..	..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..	..	..	3	25 00
Kerosene-oil stoves upsetting.....	3	11	..	..	..	..	..	14	14	..	..	..	..	..	..	..	..	..	..	..	..	14	750 00
Kerosene-oil stoves taking fire.....	71	1	..	..	..	..	..	72	70	..	..	..	..	..	..	..	..	..	..	2	72	5,213 00	
Kerosene-oil placed on stove.....	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	.....
Kerosene-oil used in starting fire in stove.....	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	.....
Matches, children playing with.....	..	..	..	199	..	..	..	199	192	2	..	1	..	..	2	..	..	..	..	2	199	28,494 00	
Matches gnawed by rats and mice.....	..	20	..	..	..	..	..	20	6	5	4	1	..	2	..	..	1	..	1	..	..	20	10,515 00
Matches igniting awnings, straw, rubbish, woodwork, etc.....	7	208	..	18	16	22	..	271	162	24	42	5	8	1	11	2	2	2	1	10	271	348,857 00	
Not ascertained.....	..	..	..	..	..	..	106	106	23	30	45	1	3	1	2	..	..	..	1	..	..	106	1,991,819 00
Phosphorus igniting.....	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	1	.....
Rekindling of previous fire.....	..	..	..	..	..	..	4	4	..	1	..	..	..	..	..	..	..	..	..	3	4	30,000 00	
Sparks from distant fire.....	4	..	..	..	..	..	..	4	1	1	1	..	1	..	..	..	..	..	..	..	..	4	780 00
Sparks from previous fire.....	1	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	5 00
Soot ignited in fireplaces and flues.....	..	4	..	..	..	..	..	4	4	..	..	..	..	..	..	..	..	..	..	..	..	4	15 00
Sulphur igniting clothing.....	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	507 00
Sparks from chimneys, stoves, etc.....	8	2	..	..	..	..	..	10	8	1	1	..	..	..	..	..	..	..	..	..	..	10	135 00
Spontaneous combustion of oily rubbish, etc.....	7	2	..	..	..	..	..	9	4	2	2	..	..	..	..	..	..	..	1	9	10,015 00		
Stoves, stove-pipes, etc., heat from igniting woodwork, etc.....	1	2	..	..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..	..	..	3	30 00
Thawing out water-pipes with candles, lamps, lighted papers, etc.....	..	10	..	..	..	..	..	10	9	1	..	..	..	..	..	..	..	..	..	..	..	10	309 00
Total number of fires.....	134	640	10	284	21	26	113	1,228	731	137	189	21	32	4	38	7	5	3	5	6	50	1,228	.....
Total loss.....	\$18,735	\$730,963	\$2,808	\$48,133	\$2,227	\$3,719	\$2,022,309	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	\$2,828,894 00
RECAPITULATION.																							
In Heating.....	101	357	65	..	1	..	..	524	403	30	55	4	11	..	6	2	3	..	..	1	9	524	.....
Loss.....	\$105,961	\$85,693	\$5,057	..	\$5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$248,716 00
In Illuminating.....	286	516	..	..	..	..	..	802	593	62	74	11	13	2	17	10	6	..	2	3	9	802	.....
Loss.....	\$234,549	\$609,752	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$44,301 00
In Manufacturing, etc.....	269	98	8	..	..	..	..	375	48	46	216	5	20	1	4	2	1	4	2	6	20	375	.....
Loss.....	\$1,562,056	\$86,953	\$13,695	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$1,662,714 00
In Miscellaneous.....	131	640	10	284	21	26	113	1,228	731	137	189	21	32	4	38	7	5	3	5	6	50	1,228	.....
Loss.....	\$18,735	\$730,963	\$2,808	\$48,133	\$2,227	\$3,719	\$2,022,309	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	\$2,828,894 00
Aggregate.....	790	1,611	83	284	22	26	113	2,929	1,775	275	534	41	76	7	65	21	15	7	9	16	88	2,929	.....
Loss.....	\$1,921,311	\$1,514,361	\$70,560	\$48,133	\$2,232	\$3,719	\$2,022,309	.....	.....	..	..	..	..	..	..	..	..	..	..	..	..	.....	\$5,584,625 00

Origin (Consolidated) and Cause of Fires, etc., by Months.

ORIGIN, BY MONTHS.	CAUSE.							PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—														Aggregate Loss to Structures and Contents.	
	Accidental.	Carelessness	Defective Buildings and Construction.	Mischievousness.	Maliciousness.	Incendiarism.	Not Ascertained.	Total.	Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Storehouses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Piers, Docks, etc.	Vessels.	Miscellaneous.		Total.
In Heating.																							
January.....	24	48	4	..	1	..	..	77	58	7	7	..	3	..	..	..	2	..	..	..	..	77	\$35,939 00
February.....	9	35	10	..	..	..	..	54	33	5	13	1	1	..	..	..	..	..	..	..	1	54	37,665 00
March.....	12	48	7	..	..	..	..	67	49	4	11	..	1	..	1	..	..	..	..	..	1	67	54,710 00
April.....	12	44	9	..	..	..	..	65	55	1	3	..	2	..	1	1	..	..	..	1	1	65	4,637 00
May.....	4	35	1	..	..	..	..	40	37	1	2	..	..	..	..	..	..	..	..	..	..	40	1,160 00
June.....	1	27	5	..	..	..	..	33	31	..	..	..	2	..	..	..	..	..	..	..	..	33	6,305 00
July.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
August.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
September.....	2	23	6	..	..	..	..	31	27	2	1	..	..	..	..	..	1	..	..	..	..	31	37,462 00
October.....	5	25	7	..	..	..	..	37	29	3	2	..	..	..	..	..	..	..	..	..	3	37	4,182 00
November.....	7	33	9	..	..	..	..	49	36	1	6	..	2	..	2	1	..	..	..	..	1	49	13,560 00
December.....	25	39	7	..	..	..	..	71	48	6	10	3	..	..	2	..	..	..	..	..	2	71	53,096 00
Total.....	101	357	65	..	1	..	..	524	403	30	55	4	11	..	6	2	3	..	..	1	9	524	\$248,716 00
In Illuminating.																							
January.....	20	50	..	..	..	..	..	70	58	6	4	1	..	..	1	..	..	..	..	..	..	70	\$33,730 00
February.....	19	33	..	..	..	..	..	52	42	2	4	..	2	..	..	1	..	..	..	..	1	52	11,913 00
March.....	22	41	..	..	..	..	..	63	39	11	9	..	1	..	..	..	1	..	..	1	1	63	171,041 00
April.....	20	45	..	..	..	..	..	65	54	3	4	..	..	..	4	..	..	..	..	..	..	65	29,884 00

ORIGIN, BY MONTHS.	CAUSE.							PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—														Aggregate Loss to Structures and Contents	
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischievousness.	Maliciousness.	Incendiarism.	Not Ascertained.	Total.	Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Storehouses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Piers, Docks, etc.	Vessels.	Miscellaneous.		Total.
May	36	41	..	..	..	..	..	77	57	3	8	3	..	1	1	1	2	..	..	..	1	77	\$229,855 00
June.....	19	29	..	..	..	..	..	48	35	3	3	3	1	..	..	1	2	..	..	..	..	48	11,271 00
July.....	25	55	..	..	..	..	..	80	61	8	5	2	2	..	1	..	..	..	..	..	1	80	146,567 00
August.....	16	34	..	..	..	..	..	50	33	7	5	..	2	..	..	1	..	..	..	1	1	50	30,487 00
September.....	24	39	..	..	..	..	..	63	51	2	4	..	1	1	1	1	..	..	1	..	1	63	32,020 00
October.....	34	49	..	..	..	..	..	83	50	5	12	2	3	..	5	3	1	..	..	..	2	83	41,101 00
November.....	23	45	..	..	..	..	..	68	52	2	9	..	1	..	..	1	..	..	1	1	1	68	60,782 00
December.....	28	55	..	..	..	..	..	83	61	10	7	..	..	..	4	1	..	..	..	..	..	83	45,647 00
Total.....	286	516	..	..	..	..	..	802	593	62	74	11	13	2	17	10	6	..	2	3	9	802	\$844,301 00
<i>In Manufacturing and other Business.</i>																							
January.....	18	12	..	..	..	..	..	30	3	3	21	..	2	..	..	..	..	..	1	..	..	30	\$171,706 00
February.....	15	4	1	..	..	..	..	20	2	2	11	2	1	..	..	..	..	1	..	1	..	20	501,795 00
March.....	32	4	..	..	..	..	..	36	5	5	24	..	1	..	..	..	..	..	..	..	1	36	91,090 00
April.....	29	8	3	..	..	..	..	40	2	6	24	..	1	1	2	..	1	..	..	1	2	40	144,758 00
May.....	28	6	2	..	..	..	..	36	3	4	22	..	6	..	..	..	..	..	..	..	1	36	345,275 00
June.....	30	11	..	..	..	..	..	41	4	6	24	1	3	..	1	..	..	1	..	..	1	41	62,480 00
July.....	21	13	..	..	..	..	..	34	4	8	16	1	3	..	1	..	..	..	..	..	1	34	159,496 00
August.....	25	4	..	..	..	..	..	29	2	7	15	..	1	..	..	..	..	..	..	..	5	29	25,117 00
September.....	21	7	..	..	..	..	..	28	6	2	13	1	1	..	..	1	..	..	1	1	2	28	19,595 00
October.....	12	12	2	..	..	..	..	26	7	1	15	..	..	..	..	..	..	1	..	..	2	26	53,576 00
November.....	23	8	..	..	..	..	..	31	4	2	17	..	1	..	..	..	1	..	2	4	31	45,054 00	
December.....	15	9	..	..	..	..	..	24	6	..	14	..	1	..	..	1	..	..	1	1	1	24	42,772 00
Total.....	269	98	8	..	..	..	..	375	48	46	210	5	20	1	4	2	1	4	2	6	20	375	\$1,662,714 00
<i>Miscellaneous.</i>																							
January.....	6	48	..	18	2	..	4	78	45	11	15	1	1	..	2	1	1	..	..	..	1	78	\$383,288 00
February.....	6	43	..	22	1	3	10	85	49	12	13	2	2	..	4	..	..	..	1	2	..	85	175,037 00
March.....	4	49	..	17	4	2	9	85	48	9	15	1	3	..	2	..	1	..	..	..	6	85	218,435 00
April.....	8	52	..	15	1	1	11	88	45	18	17	2	2	1	..	..	..	..	..	1	2	88	325,176 00
May.....	11	47	..	21	1	..	6	86	49	7	16	1	2	..	4	2	1	..	..	..	4	86	723,146 00
June.....	7	40	..	29	1	1	9	87	42	9	17	1	2	..	6	2	1	1	..	1	5	87	83,743 00
July.....	31	145	6	53	2	..	21	258	154	33	38	..	12	1	5	..	1	..	1	..	13	258	528,554 00
August.....	23	53	4	19	1	5	11	116	79	12	18	3	1	..	1	..	..	..	1	1	..	116	36,779 00
September.....	13	38	..	12	3	5	4	75	50	3	9	3	..	..	1	..	..	1	1	..	7	75	26,085 00
October.....	9	32	..	20	..	1	9	71	36	8	12	3	1	..	4	..	..	1	..	1	5	71	53,315 00
November.....	5	41	..	37	..	6	7	96	68	7	8	1	2	1	3	..	..	..	1	..	5	96	71,024 00
December.....	11	52	..	21	5	2	12	103	66	8	11	3	4	1	6	2	..	..	..	..	2	103	201,812 00
Total	134	640	10	284	21	26	113	1,228	731	137	189	21	32	4	38	7	5	3	5	6	50	1,228	\$2,828,894 00
Aggregate.....	790	1,611	83	284	21	26	113	2,929	1,775	275	534	41	76	7	65	21	15	7	9	16	88	2,929	.....

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	4	..	5	..	5	..	5	..	3	..	3	3	15	..	18	\$28,469 00	\$117,444 00	\$135,913 00
February.....	3	4	1	8	1	2	..	3	1	4	..	5	..	11	1	12	5	21	2	28	5,258 00	18,220 00	23,478 00
March.....	1	4	..	5	..	3	..	3	..	5	..	5	1	6	2	9	2	18	2	22	33,400 00	87,595 00	120,995 00
April.....	4	2	..	6	1	2	..	3	..	5	..	5	..	13	1	14	5	22	1	28	17,385 00	108,095 00	125,480 00
May.....	..	1	..	1	..	4	1	5	..	8	..	8	..	9	..	9	..	22	1	23	3,605 00	16,735 00	20,340 00
June.....	1	..	..	1	..	2	..	2	..	5	..	5	..	3	1	4	1	10	1	12	780 00	6,060 00	6,840 00
July.....	..	..	..	..	4	1	5	..	9	..	9	..	4	1	5	..	17	2	19	3,110 00	6,880 00	9,990 00	
August.....	..	..	..	..	1	..	1	..	3	1	4	2	10	1	13	2	14	2	18	1,505 00	6,180 00	7,685 00	
September.....	2	..	2	4	1	..	5	..	3	1	4	1	4	1	6	7	8	2	17	2,710 00	14,325 00	17,035 00	
October.....	..	2	1	3	..	4	1	5	..	2	..	2	..	9	1	10	..	17	3	20	15,375 00	27,598 00	42,973 00
November.....	1	2	..	3	1	3	1	5	..	5	1	6	2	4	..	6	4	14	2	20	12,115 00	41,755 00	53,870 00
December.....	..	3	..	3	1	4	..	5	..	2	..	2	1	5	..	6	2	14	..	16	1,130 00	2,445 00	3,575 00
Total.....	14	21	2	37	9	34	4	47	1	56	3	60	7	81	9	97	31	192	18	241	\$124,842 00	\$443,332 00	\$568,174 00

Number of buildings in district (as per enumeration in 1885)—

Dwellings..... 1,012

Business..... 3,805

Total..... 4,817

Number of fires in dwellings..... 31

Number of fires in business buildings..... 192

Total fires in buildings..... 223

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

Number of business places to each fire..... 20

Number of buildings to each fire..... 22

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

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	2	1	..	3	1	..	..	1	..	3	..	3	1	..	1	2	4	4	1	9	\$2,075 00	\$14,549 00	\$16,624 00
February.....	1	1	..	2	1	..	..	1	..	1	1	2	4	2	..	6	6	4	1	11	208,380 00	285,285 00	493,665 00
March.....	2	..	..	2	..	2	1	3	..	1	..	1	3	..	..	5	5	3	1	9	400 00	530 00	930 00
April.....	1	..	..	1	2	..	..	2	..	4	1	5	2	..	..	2	5	4	1	10	175 00	215 00	390 00
May.....	1	..	..	1	2	3	..	5	..	2	..	2	6	1	..	7	9	6	..	15	26,765 00	152,685 00	179,450 00
June.....	2	..	..	2	..	..	..	..	..	1	..	1	2	5	..	7	4	6	..	10	1,610 00	13,310 00	14,920 00
July.....	..	..	..	..	3	..	..	3	..	1	..	1	5	5	1	11	8	6	1	15	475 00	550 00	825 00
August.....	..	..	..	..	2	..	..	2	..	..	..	..	5	2	..	7	5	4	..	9	820 00	11,885 00	12,705 00
September.....	4	1	..	5	2	..	..	2	..	2	1	3	1	..	1	2	7	3	2	12	525 00	1,346 00	1,871 00
October.....	1	..	..	1	3	..	..	3	..	2	..	2	..	1	1	2	4	3	1	8	45 00	1,030 00	1,075 00
November.....	1	1	..	2	1	1	..	2	..	..	1	1	1	..	..	1	3	2	1	6	1,075 00	105 00	1,180 00
December.....	3	2	..	5	1	1	..	2	..	4	..	4	3	2	1	6	7	9	1	17	4,230 00	32,020 00	36,250 00
Total.....	18	6	..	24	15	9	1	26	..	21	4	25	33	18	5	56	67	54	10	131	\$246,375 00	\$513,510 00	\$759,885 00

Number of buildings in district (as per enumeration in 1885) —

Dwellings..... 2,518
Business..... 902
Total..... 3,420

Number of fires in dwellings..... 67

Number of fires in business buildings..... 54

Total fires in buildings..... 121

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

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

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.....	..	..	..	..	..	..	..	..	..	2	..	2	1	7	..	8	1	9	..	10	\$11,225 00	\$79,355 00	\$90,580 00
February.....	1	3	..	4	..	1	..	1	..	2	..	2	1	2	..	3	2	7	..	9	27,595 00	121,645 00	149,170 00
March.....	1	1	..	2	..	..	..	..	1	2	..	3	..	5	..	5	2	9	..	11	14,350 00	171,515 00	185,865 00
April.....	..	1	..	1	1	..	..	..	..	3	..	3	..	3	..	3	..	7	..	7	11,770 00	79,050 00	90,820 00
May.....	..	..	..	..	..	..	..	..	..	4	..	4	..	4	..	4	..	8	..	8	5,355 00	81,824 00	87,179 00
June.....	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..	2	..	2	350 00	1,000 00	1,350 00
July.....	..	..	..	..	1	4	..	5	..	1	..	1	..	8	2	10	1	13	2	15	75,565 00	214,590 00	290,155 00
August.....	..	..	..	..	2	..	..	2	..	1	..	1	3	5	..	8	3	8	..	11	2,860 00	17,330 00	20,190 00
September.....	1	1	..	2	..	..	..	..	..	1	..	1	..	1	..	1	1	3	..	4	885 00	32,300 00	33,185 00
October.....	..	2	..	2	..	..	..	..	..	2	..	2	..	3	..	3	..	7	..	7	7,775 00	37,000 00	44,775 00
November.....	1	1	..	2	..	..	..	..	..	2	..	2	..	8	..	8	1	11	..	12	2,475 00	22,535 00	25,010 00
December.....	..	2	..	2	..	3	..	3	..	..	..	..	..	6	..	6	..	11	..	11	14,975 00	139,510 00	154,485 00
Total.....	4	11	..	15	1	10	..	11	1	20	..	21	5	54	2	61	11	95	2	108	\$175,110 00	\$997,694 00	\$1,172,804 00

Number of buildings in district (as per enumeration in 1885) —

Dwellings..... 333
Business..... 1,303
Total..... 1,636

Number of fires in dwellings..... 11

Number of fires in business buildings..... 95

Total fires in buildings..... 106

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

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

Number of buildings to each fire..... 15

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.....	15	5	..	20	13	1	..	14	..	3	..	3	13	9	..	22	41	18	..	59	\$30,421 00	\$129,834 00	\$160,255 00
February.....	8	2	..	10	11	3	..	14	..	3	..	3	15	7	1	23	34	13	1	59	2,978 00	18,375 00	21,353 00
March.....	13	2	..	15	13	6	..	19	1	10	..	11	9	6	1	16	36	24	1	61	36,870 00	121,281 00	158,151 00
April.....	10	2	..	12	18	1	..	19	1	4	..	5	16	9	1	26	45	16	1	62	48,680 00	153,416 00	202,096 00
May.....	9	..	..	9	18	1	..	19	2	5	..	7	11	4	..	15	40	10	..	50	2,237 00	5,110 00	7,347 00
June.....	5	1	..	6	12	1	..	13	2	8	..	10	12	9	2	23	31	19	2	52	25,712 00	55,360 00	81,072 00
July.....	..	..	..	..	17	5	..	22	1	6	..	7	50	13	1	64	68	24	1	93	8,695 00	29,884 00	38,579 00
August.....	..	..	..	..	9	3	1	13	..	5	..	5	26	6	..	32	35	14	1	50	7,724 00	24,103 00	31,827 00
September.....	7	1	..	8	17	1	..	18	4	1	..	5	16	2	..	18	44	5	..	49	8,722 00	20,242 00	28,964 00
October.....	5	..	1	6	17	8	..	25	3	1	1	5	10	3	..	13	35	12	2	49	1,382 00	4,900 00	6,282 00
November.....	8	3	..	11	16	3	1	20	2	2	..	4	22	7	1	30	48	13	2	63	9,185 00	47,208 00	56,393 00
December.....	8	3	..	11	21	2	..	23	1	3	..	4	25	2	..	27	55	10	..	65	5,398 00	22,580 00	27,978 00
Total.....	88	19	1	108	182	35	2	219	17	51	1	69	225	77	7	309	512	182	11	705	\$188,024 00	\$632,298 00	\$820,322 00

Number of buildings in district (as per enumeration in 1885) —

Dwellings..... 9,994
Business..... 2,568
Total..... 12,562

Number of fires in dwellings..... 512

Number of fires in business buildings..... 182

Total fires in buildings..... 694

Number of dwellings to each fire..... 20

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

Number of buildings to each fire..... 18

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.....	9	4	..	13	13	3	..	16	1	4	..	5	9	5	..	14	32	16	..	48	\$14,741 00	\$116,596 00	\$131,337 00
February.....	8	7	..	15	10	1	..	11	..	1	..	1	8	4	..	12	26	13	..	39	3,905 00	12,740 00	16,645 00
March.....	10	4	..	14	10	3	1	14	..	6	..	6	9	7	1	17	29	20	2	51	6,530 00	30,625 00	37,155 00
April.....	11	1	..	12	12	..	..	14	..	5	..	5	8	7	..	15	31	15	..	46	4,405 00	11,728 00	16,133 00
May.....	9	2	..	11	13	3	..	16	..	4	..	4	12	5	1	18	34	14	1	49	5,615 00	49,537 00	49,152 00
June.....	6	1	..	7	6	3	..	9	1	7	..	8	14	10	..	24	27	21	..	48	12,595 00	26,375 00	38,970 00
July.....	..	..	..	..	17	1	..	18	1	5	..	6	23	17	..	40	41	23	..	64	13,395 00	112,495 00	125,890 00
August.....	..	..	..	..	6	1	1	8	1	5	..	6	13	8	..	21	20	14	1	35	1,740 00	9,790 00	11,530 00
September.....	7	..	..	7	10	2	..	12	1	1	..	2	12	5	..	17	30	8	..	38	1,254 00	2,286 00	3,540 00
October.....	6	1	..	7	9	8	1	18	..	4	..	4	8	3	..	11	23	16	1	40	2,170 00	5,275 00	7,445 00
November.....	6	2	1	9	6	3	..	9	..	6	..	6	12	3	1	16	24	14	2	40	6,525 00	15,350 00	21,875 00
December.....	11	6	1	18	12	3	..	15	..	4	..	4	10	6	..	16	33	19	1	53	4,550 00	31,785 00	36,335 00
Total.....	83	28	2	113	124	33	3	160	5	52	..	57	138	80	3	221	350	193	8	551	\$78,425 00	\$417,582 00	\$495,007 00

Number of buildings in district (as per enumeration in 1885)—

Dwellings..... 15,986

Business..... 3,836

Total..... 19,822

Number of fires in dwellings..... 350

Number of fires in business buildings..... 193

Total fires in buildings..... 543

Number of dwellings to each fire..... 46

Number of business places to each fire..... 20

Number of buildings to each fire..... 37

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	3	..	16	13	3	..	16	2	6	..	8	10	4	..	14	38	16	..	54	\$22,273 00	\$47,869 00	\$70,142 00
February.....	7	2	..	9	7	1	1	9	..	3	..	3	10	2	..	12	24	8	1	33	1,177 00	5,190 00	6,367 00
March.....	12	3	..	15	10	4	..	14	1	6	..	7	16	2	1	19	39	15	1	55	3,278 00	10,847 00	14,125 00
April.....	18	..	1	19	9	3	..	12	1	11	..	12	14	5	..	19	42	19	1	62	10,820 00	15,456 00	26,276 00
May.....	10	..	..	10	14	5	..	19	..	3	..	3	4	7	..	11	28	15	..	43	363,812 00	372,588 00	736,400 00
June.....	12	..	..	12	9	4	..	13	..	8	..	8	8	4	..	12	29	16	..	45	3,930 00	8,990 00	12,920 00
July.....	..	..	..	..	15	3	..	18	..	3	..	3	32	22	2	56	47	28	2	77	18,275 00	330,160 00	348,435 00
August.....	..	..	..	..	10	4	..	14	..	3	1	4	12	3	..	15	22	10	1	33	890 00	1,530 00	2,420 00
September.....	3	1	..	4	11	4	1	16	1	9	..	10	12	5	..	17	27	19	1	47	11,240 00	13,960 00	25,200 00
October.....	12	..	..	12	9	6	..	15	3	3	..	6	11	4	..	15	35	13	..	48	12,215 00	29,050 00	41,275 00
November.....	7	2	..	9	17	3	..	20	..	3	..	3	13	1	..	14	37	9	..	46	7,334 00	16,842 00	24,226 00
December.....	16	4	..	20	14	6	..	20	1	3	1	5	9	5	1	15	40	18	2	60	16,360 00	36,322 00	52,682 00
Total.....	110	15	1	126	133	46	2	186	9	61	2	72	151	64	4	219	408	186	9	603	\$471,614 00	\$889,714 00	\$1,361,328 00

Number of buildings in district (as per enumeration in 1885)—

Dwellings..... 22,974

Business..... 4,585

Total..... 26,859

Number of fires in dwellings..... 408

Number of fires in business buildings..... 186

Total fires in buildings..... 594

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

Number of business places to each fire..... 25

Number of buildings to each fire..... 45

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

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....	1	..	..	1	1	..	..	1	..	..	..	..	..	..	..	..	2	..	..	2	.....	.....	.....
February.....	..	..	..	..	1	1	..	2	..	..	..	..	..	..	..	..	1	1	..	2	\$527 00	\$80 00	\$107 00
March.....	3	..	..	3	..	..	..	..	..	..	..	..	..	..	1	1	3	..	1	4	370 00	485 00	855 00
April.....	1	..	1	2	2	..	..	2	..	..	1	1	1	..	..	1	4	..	2	6	25,820 00	3,255 00	34,075 00
May.....	2	..	..	2	1	..	..	1	..	1	..	1	..	..	1	1	3	1	1	5	1,560 00	15,010 00	16,570 00
June.....	1	..	..	1	..	..	..	..	..	1	..	1	1	..	..	1	2	1	..	3	800 00	3,000 00	3,800 00
July.....	..	..	..	..	..	..	..	..	1	..	..	1	3	3	1	7	4	3	1	8	15 00	43 00	58 00
August.....	..	..	..	..	..	..	..	..	..	..	..	..	4	..	..	4	4	..	..	4	505 00	800 00	1,305 00
September.....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	1	1	1	2	15 00	.....	15 00
October.....	1	..	..	1	..	1	..	1	..	..	..	..	..	1	1	1	1	1	1	3	10 00	.....	10 00
November.....	1	..	..	1	1	..	..	1	..	..	..	..	2	..	1	3	4	..	1	5	45 00	50 00	95 00
December.....	..	..	..	..	1	..	..	1	..	..	..	..	1	1	..	2	2	1	..	3	100 00	450 00	550 00
Total.....	11	..	1	12	7	2	..	9	1	2	1	4	12	4	6	22	31	8	8	47	\$29,267 00	\$28,173 00	\$57,440 00

Number of buildings in district (as per enumeration in 1885)—

Dwellings..... 2,493

Business..... 1,021

Total..... 3,514

Number of fires in dwellings..... 31

Number of fires in business buildings..... 8

Total fires in buildings..... 39

Number of dwellings to each fire..... 80

Number of business places to each fire..... 128

Number of buildings to each fire..... 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.....	5	3	..	8	10	1	..	11	..	1	..	1	4	1	..	5	19	6	..	25	\$1,700 00	\$3,877 00	\$5,577 00
February.....	2	..	..	2	10	1	..	11	..	3	..	3	5	3	..	8	17	7	..	24	4,275 00	5,315 00	9,590 00
March.....	3	..	1	4	1	1	..	2	1	..	..	1	4	1	..	5	9	2	1	12	890 00	837 00	1,727 00
April.....	3	..	..	3	4	..	..	4	..	1	..	1	1	2	..	3	8	3	..	11	885 00	5,403 00	6,288 00
May.....	4	..	..	4	3	1	..	4	..	2	..	2	8	..	2	10	15	3	2	20	425 00	602 00	1,027 00
June.....	1	..	..	1	4	1	..	5	1	3	..	4	2	2	2	6	8	6	2	16	725 00	1,195 00	1,920 00
July.....	..	..	..	..	4	..	..	4	1	..	..	1	22	7	2	31	27	7	2	36	3,520 00	6,555 00	10,075 00
August.....	..	..	..	..	5	2	..	7	..	..	..	..	10	1	..	11	15	3	..	18	370 00	875 00	1,245 00
September.....	1	..	..	1	3	1	..	4	..	..	..	1	7	..	..	7	11	2	..	13	467 00	1,280 00	1,747 00
October.....	1	..	..	1	8	3	..	11	1	1	..	2	3	4	..	7	13	8	..	21	635 00	635 00	1,270 00
November.....	1	1	..	2	2	1	..	3	2	2	..	4	10	..	1	11	15	4	1	20	502 00	4,037 00	4,539 00
December.....	4	..	..	4	6	1	..	7	1	..	..	1	7	2	..	9	18	3	..	21	840 00	980 00	1,820 00
Total.....	25	4	1	30	60	13	..	73	7	11	..	21	83	23	7	113	175	54	8	237	\$15,234 00	\$31,581 00	\$46,815 00

Number of buildings in district (as per enumeration in 1885) —

Dwellings..... 9,669

Business..... 1,454

Total..... 11,123

Number of fires in dwellings..... 175

Number of fires in business buildings..... 54

Total fires in buildings..... 229

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

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

Number of buildings to each fire..... 49

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	..	..	2	..	..	..	..	..	..	..	3	..	..	3	\$75 00	\$20 00	\$95 00	
February	1	..	..	1	..	..	..	..	1	..	..	1	1	..	..	1	3	..	..	3	1,410 00	465 00	1,875 00
March	1	..	..	1	1	1	..	2	1	..	1	2	..	..	..	3	1	1	5	1,005 00	10 00	1,015 00	
April .....	..	..	..	..	3	2	..	5	..	..	1	1	..	..	..	3	2	1	6	235 00	430 00	665 00	
May	1	..	..	1	..	..	..	..	..	..	1	1	1	1	..	2	2	1	4	425 00	60 00	485 00	
June.....	1	..	..	1	1	..	..	1	..	..	..	..	..	..	..	2	..	..	2	265 00	.....	265 00	
July.....	..	..	..	..	..	..	..	..	..	..	..	..	1	5	..	6	1	5	..	6	202 00	85 00	287 00
August.....	..	..	..	..	1	..	..	1	1	2	1	4	..	..	..	..	2	2	1	5	450 00	145 00	595 00
September.....	1	..	..	1	..	2	..	2	..	..	..	..	..	..	1	1	1	2	1	4	500 00	500 00	1,000 00
October.....	..	..	..	..	1	..	..	1	..	..	..	..	..	1	1	2	1	1	1	3	2,300 00	3,500 00	5,800 00
November.....	2	..	..	2	..	..	..	..	..	..	2	2	1	..	1	2	3	..	3	6	325 00	.....	325 00
December.....	1	..	..	1	1	..	..	1	1	..	1	2	1	..	..	1	4	..	1	5	325 00	.....	325 00
Total.....	9	..	..	9	10	5	..	15	4	2	7	13	5	7	3	15	28	14	10	12	\$7,517 00	\$5,215 00	12,732 00

Number of buildings in district (as per enumeration in 1885) —

Dwellings..... 1,862

Business..... 1,562

Total..... 3,422

Number of fires in dwellings..... 28

Number of fires in business buildings..... 14

Total fires in buildings..... 42

Number of dwellings to each fire..... 66

Number of business places to each fire..... 111

Number of buildings to each fire..... 82

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.....	6	..	..	6	4	..	..	4	..	2	..	2	6	2	..	8	16	4	..	20	\$532 00	\$10,383 00	\$10,915 00
February.....	1	..	..	1	1	..	..	1	..	..	..	..	5	2	..	7	7	2	..	9	925 00	1,635 00	2,560 00
March.....	2	1	..	3	4	..	..	4	..	..	..	..	4	1	..	5	10	2	..	12	527 00	317 00	844 00
April.....	4	1	..	5	2	1	..	3	1	1	..	2	1	1	..	2	8	4	..	12	72 00	218 00	290 00
May.....	..	..	..	..	5	2	..	7	..	2	..	2	5	2	..	7	10	6	..	16	28,580 00	165,896 00	194,476 00
June.....	1	..	..	1	1	2	..	3	..	2	1	3	3	3	..	6	5	7	1	13	940 00	2,622 00	3,562 00
July.....	..	..	..	..	3	..	..	3	..	2	1	3	8	5	2	15	11	7	3	21	220 00	1,231 00	1,451 00
August.....	..	..	..	..	..	..	..	..	..	3	2	5	1	..	..	1	1	3	2	6	215 00	127 00	342 00
September.....	..	..	..	..	3	..	..	3	..	..	..	..	1	..	..	1	4	..	..	4	15 00	30 00	45 00
October.....	2	..	..	2	3	1	..	4	..	..	..	..	2	..	1	3	7	1	1	9	17 00	76 00	93 00
November.....	3	..	..	3	7	..	..	7	..	1	..	1	2	..	..	2	12	1	..	13	502 00	655 00	1,157 00
December.....	4	..	..	4	4	2	..	6	2	..	..	2	6	3	..	9	16	5	..	21	12,202 00	15,447 00	27,649 00
Total.....	23	2	..	25	37	8	..	45	3	13	4	20	44	19	3	66	107	42	7	156	\$44,767 00	\$198,637 00	\$243,404 00

Number of buildings in district (as per enumeration in 1885) —

Dwellings..... 6,941

Business..... 945

Total..... 7,885

Number of fires in dwellings..... 107

Number of fires in business buildings..... 42

Total fires in buildings..... 149

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

Number of business places to each fire..... 22

Number of buildings to each fire..... 53

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

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January	4	..	..	4	..	..	..	..	..	1	..	1	1	..	..	1	5	1	..	6	\$380 00	\$345 00	\$725 00
February	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	.....	.....	.....
March	1	2	..	3	..	..	..	..	..	..	..	..	1	3	..	4	2	5	..	7	1,990 00	10,625 00	12,615 00
April	3	1	..	4	1	..	..	1	..	1	..	1	1	..	1	2	5	2	1	8	337 00	455 00	792 00
May.....	1	..	..	1	1	..	..	1	..	1	..	1	1	..	..	1	3	1	..	4	4,655 00	1,575 00	6,230 00
June .....	..	..	..	..	1	..	..	1	..	1	..	1	..	1	1	2	1	2	1	4	95 00	115 00	210 00
July.....	..	..	..	..	..	..	..	..	2	..	2	8	2	1	11	8	4	1	13	2,132 00	2,515 00	4,647 00	
August.....	..	..	..	..	2	..	..	2	..	..	..	3	1	..	4	5	1	..	6	1,336 00	1,018 00	2,354 00	
September.....	..	..	..	..	1	..	..	1	..	1	1	2	..	..	3	3	1	1	4	6	410 00	550 00	960 00
October.....	1	..	1	2	..	..	..	..	2	1	3	1	1	1	3	2	3	3	8	106 00	95 00	201 00	
November.....	5	..	..	5	1	..	..	1	..	..	1	1	3	..	..	3	9	..	1	10	1,070 00	680 00	1,750 00
December .....	..	..	..	..	..	..	..	..	..	..	..	3	3	..	6	3	3	..	6	322 00	665 00	987 00	
Total.....	16	3	1	20	7	..	..	7	..	9	3	12	22	11	7	40	45	23	11	79	\$13,033 00	\$18,638 00	\$31,671 00

Number of buildings in district (as per enumeration in 1885)—			Number of fires in dwellings.....			45	Number of dwellings to each fire.....			155
Dwellings..... 6,989			Number of fires in business buildings.....			23	Number of business places to each fire.....			138
Business..... 3,184										
Total..... 10,173			Total fires in buildings.....			68	Number of buildings to each fire.....			150

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	..	\$1,500 00	\$1,500 00	\$3,000 00
February.....	..	1	..	1	..	..	..	..	..	..	..	..	1	..	1	..	2	..	2	..	800 00	800 00	1,600 00
March.....	2	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	300 00	700 00	1,000 00
April.....	1	..	1	..	1	..	1	..	1,000 00	150 00	1,150 00
May.....	1	..	1	..	1	..	1	..	400 00	300 00	700 00
June.....	1	..	..	1	1	..	..	1	..	..	..	..	..	..	..	2	..	..	2	..	35 00	5 00	40 00
July.....	1	..	..	1	..	..	..	..	3	..	3	4	..	..	4	..	1,725 00	2,500 00	4,225 00
August.....
September.....	1	..	1	..	1	..	1	..	600 00	1,000 00	1,600 00
October.....	1	..	1	1	..	..	1	..	25 00	50 00	75 00
November.....	1	1	..	..	..	..	..	..	1	1	..	.....	.....	.....
December.....	..	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	..	500 00	150 00	650 00
Total.....	1	2	1	4	2	1	..	3	..	1	1	6	3	..	9	9	6	2	17	..	\$5,685 00	\$7,155 00	\$14,840 00

Number of buildings in district (as per enumeration in 1885)—
Dwellings..... 945
Business..... 674
Total..... 1,619

Number of fires in dwellings..... 9
Number of fires in business buildings..... 6
Total fires in buildings..... 15

Number of dwellings to each fire..... 105
Number of business places to each fire..... 112
Number of buildings to each fire..... 101

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

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.
January.....
February.....
March.....	1	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	\$2 00	.....	\$2 00
April.....
May.....
June.....
July.....
August.....
September.....
October.....
November.....
December.....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	1 00	.....	1 00
Total.....	1	..	..	1	1	1	..	1	..	..	..	..	..	..	..	1	1	..	2	..	\$3 00	.....	\$3 00

Number of buildings in district (as per enumeration in 1885)—
Dwellings..... 219
Business..... 231
Total..... 450

Number of fires in dwellings..... 1
Number of fires in business buildings..... 1
Total fires in buildings..... 2

Number of dwellings to each fire..... 219
Number of business places to each fire..... 231
Number of buildings to each fire..... 235

Recapitulation.

DISTRICTS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				NUMBER OF BUILDINGS (AS PER ENUMERATION IN 1885.)			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	14	21	2	37	9	34	4	47	1	56	3	60	7	81	9	97	31	192	18	241	1,612	3,805	4,817	33	20	22	\$124,842 00	\$443,332 00	\$568,174 00
Second	18	6	..	24	16	9	1	26	..	21	4	25	33	18	5	56	67	54	10	131	2,518	902	3,420	37	17	28	246,375 00	513,510 00	759,885 00
Third	4	11	..	15	1	10	..	11	1	20	..	21	5	54	2	61	11	95	2	108	333	1,303	1,636	30	14	15	175,110 00	997,694 00	1,172,804 00
Fourth	88	19	1	108	182	35	2	219	17	51	1	69	225	77	7	309	512	182	11	705	9,934	2,598	12,592	20	14	18	188,024 00	632,298 00	820,322 00
Fifth	83	28	2	113	124	33	3	160	5	52	..	57	138	80	3	221	350	193	8	551	15,986	3,836	19,822	46	20	37	78,425 00	417,582 00	496,007 00
Sixth	110	15	1	126	138	46	2	186	9	61	2	72	151	64	4	219	468	186	9	663	22,274	4,585	26,859	55	25	45	471,614 00	889,714 00	1,361,328 00
Seventh	11	..	1	12	7	2	..	9	1	2	1	4	12	4	6	22	31	8	8	47	2,493	1,021	3,514	80	128	80	29,267 00	28,173 00	57,540 00
Eighth	25	4	1	30	60	13	..	73	7	14	..	21	83	23	7	113	175	54	8	237	9,689	1,454	11,143	55	27	49	15,234 00	31,581 00	46,815 00
Ninth	9	..	..	9	10	5	..	15	4	2	7	13	5	7	3	15	28	14	10	52	1,862	1,560	3,422	66	111	82	7,517 00	5,215 00	12,732 00
Tenth	23	2	..	25	37	8	..	45	3	13	4	20	44	19	3	66	107	42	7	156	6,941	945	7,886	65	22	53	44,767 00	198,637 00	243,404 00
Eleventh	16	3	1	20	7	..	..	7	..	9	3	12	22	11	7	40	45	23	11	79	6,989	3,184	10,173	155	138	150	13,033 00	18,638 00	31,671 00
Twelfth	1	2	1	4	2	1	..	3	..	1	1	2	6	3	..	9	9	6	2	17	945	674	1,619	105	112	101	6,885 00	7,155 00	14,040 00
Thirteenth	1	..	..	1	..	1	..	1	..	..	..	..	..	..	..	1	1	..	2	219	231	450	219	231	225	3 00	.....	3 00	
Total	403	111	10	524	533	197	12	802	48	301	26	375	731	441	56	1,228	1,775	1,050	104	2,929	81,255	26,098	107,353	46	25	34	\$1,401,056 00	\$4,183,529 00	\$5,584,625 00

Indictments and Convictions for Arson, Incendiarism, etc.

DESCRIPTION OF PERSON.						NATURE OF CHARGE AND CIRCUMSTANCES.	NATURE OF INDICTMENT AND DATE.	WHEN AND OF WHAT CONVICTED.	SENTENCE AND REMARKS.
Name.	Age.	Sex.	Color.	Nativity.	Occupation.				
John Hilderkrant.....	45	Male..	White..	German.....	Cabinet-maker.	Threw hot coals on a bed at No. 167 Chrystie street.	.....	January 10, malicious mischief..	Three months in Penitentiary.
Percy W. Sullivan.....	23	"	"	Irish.....	Jeweler.....	Setting fire to his store, No. 68 1/2 Tenth avenue, February 25.	March 1, arson, first degree..	April 26, attempt at arson, third degree.....	Three years, three months, State Prison.
Charles McDonough..	29	"	"	"	Coachman.....	Setting fire to his residence, No. 373 East Forty-eighth street, March 14.	March 1, arson, first degree..	April 14, arson, second degree..	Ten years, State Prison.
John McGrath.....	40	"	"	"	Grocer.....	Setting fire to residence and store, No. 528 West Thirty-ninth street, March 25, 1888.	April 28, 1888, arson, second degree.....	May 18, arson, second degree..	Eight years, State Prison.
Honora Green, alias McCarthy.....	42	Female	"	United States	Housekeeper	Setting fire to No. 217 East Twenty-sixth street, June 8, 8:04 P. M.	June 15, arson, first degree..	July 11, arson, second degree..	Seven years, six months, Penitentiary.
George R. Birdge.....	32	Male..	"	"	Clerk.....	Setting fire to No. 1958 Third avenue, September 4, 7:28 P. M.	September 14, arson, first degree	October 8, arson, second degree	Ten years, State Prison.
Simon Schwartzman..	40	"	"	Poland.....	Shoemaker.....	Setting fire to No. 449 West Fifty-sixth street, August 4, 3 A. M.	September 30, arson, first degree	October 24, arson, first degree..	Sixteen years, State Prison.
Lizzie Weispening....	40	Female	"	German.....	Housekeeper..	Setting fire to No. 417 Fifth street, November 6, 6 A. M.	November 17, arson, first degree	December 16, jury disagreed..	Bailed in \$2,500.
William Purbs.....	18	Male..	"	United States	Printer.....	Setting fire to No. 7 Frankfort street, August 4, 4 P. M.	September 14, arson, second degree.....	.....	Indictment untied, bailed in \$1,000.
Annie Berry.....	47	Female	"	"	Housekeeper..	Setting fire to No. 136 West Thirty-third street, September 12, 2:30 A. M.	October 5, arson, first degree..	.....	Discharged on her own recognizance; evidence insufficient.
Peter Faber.....	74	Male..	"	German.....	Wine merchant.	Setting fire to No. 603 East Ninth street, November 29, 12:23 A. M.	December 16, arson, first degree.	.....	Faber disappeared night of November 29; not been seen since.
Katie Fischer.....	15	Female	"	United States	None.....	Setting fire to No. 840 Second avenue, April 29, and other days.	May 9, held for examination as to sanity.....	.....	May 20, sent to Lunatic Asylum.
Thomas J. Mooney.....	40	Male..	"	Irish.....	Inventor.....	Setting fire to steamship "Queen," at Pier 29, North river, August 3.	August 5, held for examination as to sanity.....	.....	October 6, declared insane by jury and sent to Lunatic Asylum.
Richard Handley.....	45	"	"	United States	Painter.....	Setting fire to No. 201 East Eighty-fifth street, September 9.	October 3, held for examination as to sanity.....	.....	October 6, declared insane and sent to Lunatic Asylum.

BUREAU OF COMBUSTIBLES.

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

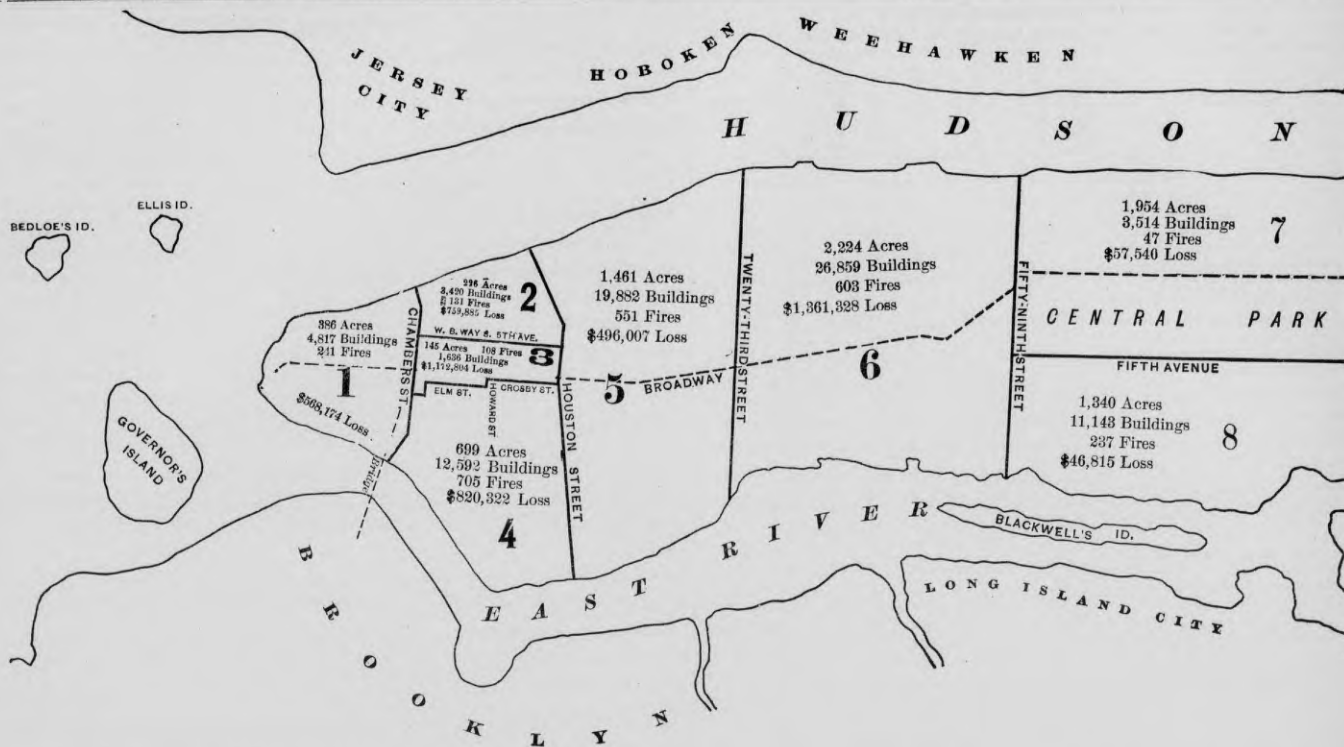
COMPLAINTS OF VIOLATIONS, ETC.	Pending last Report.	Received since.	Total to be Disposed of.	DISPOSITION.						Now Pending.
				Complied in Notice.	Unfounded.	Penalties Collected.	Penalties Remitted.	Prosecution Recommended.	Total.	
Selling kerosene-oil below test.....	1	1	2	..	..	..	2	..	2	..
Selling kerosene-oil without license.....	..	74	74	..	1	..	73	74	..	..
Chimney fires	34	224	258	..	57	181	4	243	16	..
Hoistways found open after conclusion of business..	9	19	28	..	1	3	16	4	24	4
Fire-hydrants obstructed.....	..	11	11	10	..	..	..	..	10	1
Lights unprotected.....	..	12	12	3	..	..	..	3	9	..
Want of fire-extinguishing appliances.....	5	1	6	..	1	..	..	1	5	..
Combustible material in excessive quantity.....	..	31	31	18	8	..	1	27	4	..
Kerosene or naphtha, etc., in excessive quantity .....	..	22	22	13	6	..	..	19	3	..
Fireworks, chemicals, matches, etc., kept without permit .....	..	10	10	..	5	..	..	5	10	..
Powder, etc., improperly stored, transported, etc....	..	5	5	5	..	..	..	5	..	..
Chimneys, flues, heating apparatus, etc., unsafe.....	2	126	128	43	14	..	..	57	71	..
Ashes in wooden boxes, etc.....	..	1	1	1	..	..	..	1	..	..
Hay, straw, cotton, rags, and other vegetable fibre stored in excessive quantity.....	..	3	3	2	1	..	..	3	..	..
Total	51	540	591	95	37	60	199	87	478	113

Special surveys made to determine the fitness of premises for the storage of combustibles

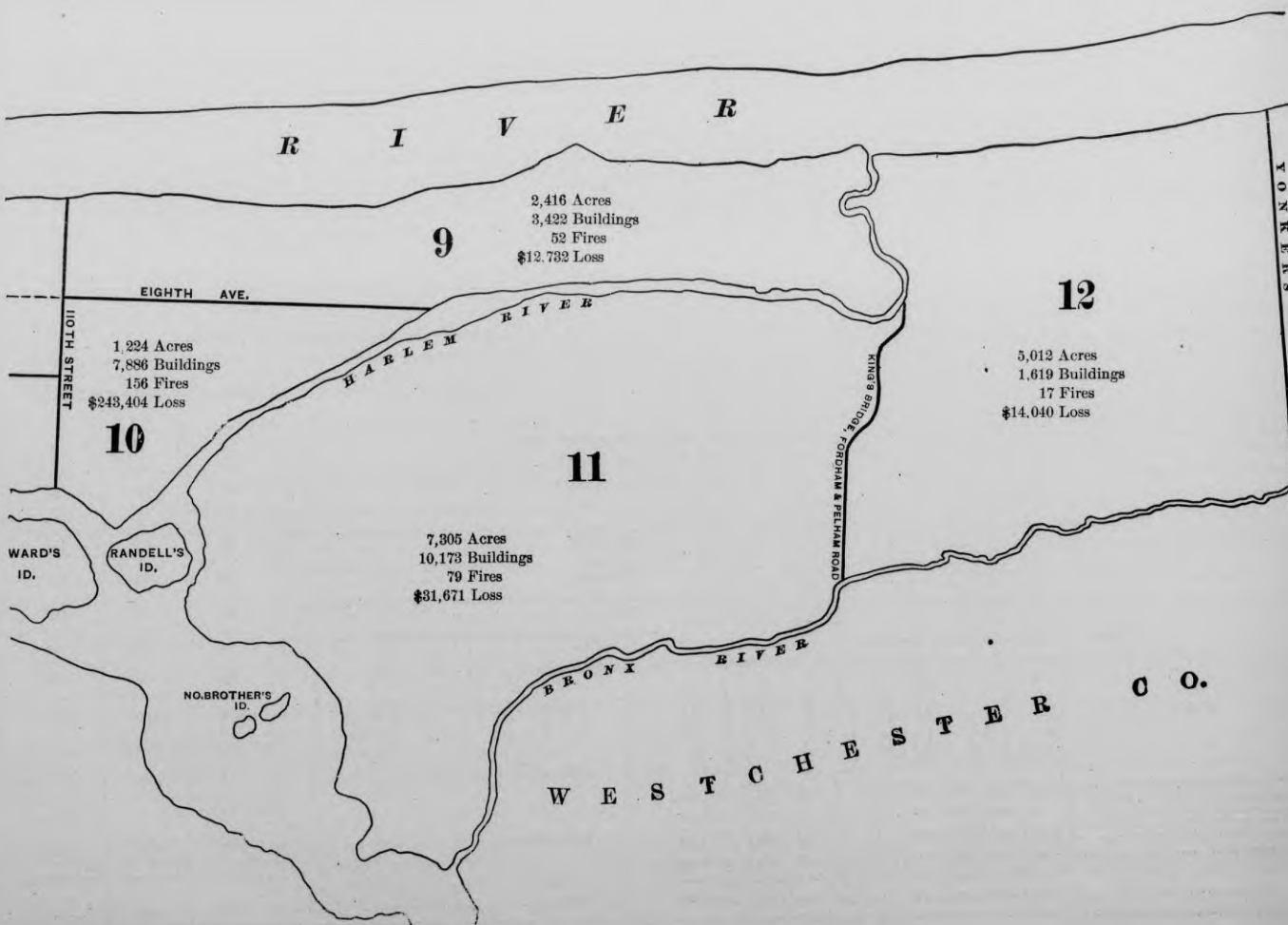
or explosive materials.....	1,018
Samples of kerosene-oil collected and tested	10,683
Samples of kerosene-oil collected and tested from supposed lamp explosions.....	17
Special surveys of explosives at shafts of New Aqueduct.....	20

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

For 3,950 kerosene-oil licenses issued, at \$10.....	\$39,500 00
For 82 powder licenses issued, at \$2.....	164 00
For 534 special permits issued, at \$2	1,068 00
For 32 wholesale fireworks permits issued, at \$2	64 00
For 21 retail fireworks permits issued, at \$1.....	21 00
For 92 retail fireworks permits issued, at 50 cents.....	46 00
For 1,987 retail fireworks permits issued, at 25 cents.....	496 75
For 131 kindling fire in street permits issued, at 50 cents.....	65 50
Total for licenses and permits.....	\$41,425 25
For 57 penalties for chimney fires, at \$5.....	\$285 00
For 3 hoistways left open, at \$50	150 00
Total for penalties.....	435 00
Total received and turned over to the Relief Fund	\$41,860 25



NOTE.—The true positions of Bedloe's and Ellis' Islands are considerably south and west of the locations given them for convenience on this map. The number of buildings on all of the islands is 450, and the number of fires was 2. Loss, \$3. The number of buildings as per last enumeration in 1885.



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.	18	18	3	5	10	18	18	\$1,175,000 00	
Dwelling-houses—Estimated cost between \$20,000 and \$50,000.	258	258	52	190	14	258	6,333,000 00		
Dwelling-houses—Estimated cost less than \$20,000.	895	895	244	552	99	895	10,794,600 00		
Flats—Estimated cost over \$15,000.	1,492	1,494	481	831	186	1,434	30,357,000 00		
Tenement-houses—Estimated cost less than \$15,000.	346	346	119	148	79	346	4,426,700 00		
Hotels and boarding-houses.	2	2	1	1	1	2	14,000 00		
Stores—Estimated cost over \$30,000.	25	25	6	18	1	25	1,596,300 00		
Stores—Estimated cost between \$15,000 and \$30,000.	59	59	7	39	13	59	1,073,900 00		
Stores—Estimated cost less than \$15,000.	55	56	28	22	6	56	237,100 00		
Office buildings.	32	32	10	13	3	32	977,250 00		
Manufactories and workshops.	141	141	33	93	15	141	2,471,980 00		
School-houses.	13	13	2	10	1	13	572,500 00		
Churches.	19	19	4	10	5	19	654,000 00		
Public buildings—Municipal.	35	35	14	15	6	35	2,489,500 00		
Public buildings—Places of amusement, etc.	9	9	3	3	3	9	677,000 00		
Stables.	107	108	38	62	8	108	1,067,775 00		
Frame dwellings in Twenty-third and Twenty-fourth Wards.	569	571	385	136	50	571	1,633,040 00		
Other frame structures.	269	269	132	82	55	269	518,725 00		
Totals.	6	4,344	4,350	1,562	2,236	548	4,350	\$67,050,570 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	7	649	656	305	280	67	4	656	\$1,355,408 00
Flats	1	67	68	22	40	6	..	68	399,570 00
Tenement-houses	1	362	363	215	122	25	1	363	519,755 00
Hotels and boarding-houses.....	..	38	38	16	19	3	..	38	124,990 00
Stores .....	..	244	244	112	95	36	1	244	1,194,988 00
Office buildings	2	77	79	41	32	5	1	79	459,701 00
Manufactories and workshops	2	262	264	106	115	39	4	264	919,749 00
School-houses.....	..	26	26	12	10	4	..	26	260,415 00
Churches .....	..	19	19	12	3	4	..	19	65,850 00
Public buildings.....	..	64	64	26	25	12	1	64	701,344 00
Stables .....	..	68	68	27	32	9	..	68	105,495 00
Frame buildings.....	..	411	411	249	100	61	1	411	290,720 00
Totals.....	13	2,287	2,300	1,143	873	271	13	2,300	\$6,397,985 00

Complaints Received and Investigated.

NATURE.	Pending last Report.	Received since.	Total.	Unfounded.	Remitted on Verbal Notice.	Notices to be issued.	Total.	Now Pending.
Defective flues.	11	104	115	58	23	26	107	8
Defective construction and materials.	1	41	42	25	3	12	40	2
Defective leaders.	10	31	41	10	3	20	33	8
Erecting and altering without permit.	5	54	59	44	3	12	59	1
Frame structures erected and removed without permit.	6	204	210	97	13	89	199	11
Heating apparatus, etc., received from Board of Fire Underwriters.	1	148	149	5	14	148	148	1
Hoistway openings not guarded.	1	6	7	5	1	1	6	1
Insufficient means of escape, fire-escapes out of repair, etc.	385	1,786	2,171	501	214	574	1,289	882
No iron shutters.	1	8	8	3	1	3	6	2
Stairway openings floored over.	1	7	7	5	1	1	6	1
Steam-pipes too near woodwork.	2	6	8	3	1	3	7	1
Unsafe buildings.	35	871	906	458	68	330	856	50
Unsafe freight elevators.	1	9	9	5	4	1	9	1
Totals.	456	3,275	3,731	1,343	338	1,084	2,765	966

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.	133	519	652	518	1	4	33	555	97	343
Erecting, altering or removing without permit, or after disapproval.	229	587	816	512	5	33	52	602	214	385
Insufficient means of escape, fire-escapes, aisles obstructed, etc.	1,136	1,720	2,856	1,974	1	3	491	2,469	387	1,033
Unsafe buildings.	421	930	1,351	931	5	1	48	984	367	69
Totals.	1,919	3,756	5,675	3,935	11	40	624	4,610	1,065	1,850

Notices Issued.

To place fire-escapes on buildings.	2,276
To remove violations of law.	1,343
To repair passenger elevators.	154
To remove unsafe buildings.	1,567

Proceedings of Board of Examiners.

Number of meetings held.	52
Number of cases acted upon.	429
Number of applicants for appointment as Inspectors examined.	69
Found qualified.	20
Not qualified.	47
Laid over.	2

Petitions for Modification of the Law.

	APPROVED.	DISAPPROVED.	TOTAL.
New buildings.	229	43	272
Alterations.	144	6	150
Iron shutters.	6	1	7

New buildings commenced.	3,687
New buildings completed.	3,712
Alterations commenced.	1,886
Alterations completed.	2,090

Inspection of Passenger Elevators.

Number inspected.	2,015
Found to be in good order and fit for use.	1,893
Found not in compliance with the law.	122

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	4	4	4	1	1
Defective car-bottoms.	1	1	1	1	1	1
Defective guide-rails and posts.	1	15	16	14	2	3
Defective running gear.	2	12	14	13	1	1
Defective braces.	1	1	1	1	1	1
Fronts of cars unprotected.	3	46	49	22	27	4
Generally unsafe.	1	2	3	2	1	1
New ropes required.	4	32	36	31	5	4
Run by persons under 18 years of age.	1	7	7	7	1	1
Safety attachments out of order.	1	2	2	2	1	1
Totals.	11	122	133	96	37	13

Location of Buildings Commenced and Completed.

LOCATION.	COMMENCED.	COMPLETED.	IN PROGRESS.
South of Chambers street.	19	26	16
Between Chambers and Houston streets.	241	267	113
Between Houston and Twenty-third streets.	180	190	86
Between Twenty-third and Fifty-ninth streets.	306	373	154
Between Fifty-ninth and One Hundred and Tenth streets, east of Fifth avenue.	485	576	420
Between Fifty-ninth and One Hundred and Tenth streets, west of Fifth avenue.	704	705	699
Between One Hundred and Tenth street and Harlem river, east of Undercliff avenue.	731	678	632
Between One Hundred and Tenth street and Harlem river, west of Undercliff avenue.	142	186	98
North of Harlem river.	879	711	429
Totals, 1887.	3,687	3,712	2,707
Totals, 1886.	3,750	3,258	.....
Totals, 1885.	2,940	2,832	.....
Totals, 1884.	2,400	2,473	.....

The following Tabular Statements show the Operations of the Bureau since it became a part of the Fire Department, viz.: from August 1, 1880, to December 31, 1887.

NATURE.	AUGUST 1 TO DECEMBER 31, 1880.	1881.	1882.	1883.	1884.
Number of plans filed for new buildings.....	494	1,247	1,300	1,450	1,663
Number of new buildings.....	973	2,682	2,577	2,623	2,897
Estimated cost of same.....	\$12,205,390	\$43,391,300	\$44,793,186	\$44,304,638	\$41,461,208
Number of plans filed for buildings altered.....	368	1,411	1,615	1,764	2,266
Number of buildings altered.....	373	1,497	1,691	1,870	2,460
Estimated cost of same.....	\$681,136	\$4,142,070	\$4,267,181	\$4,540,436	\$4,659,532
Violations (other than fire-escapes) reported.....	240	761	1,086	1,134	1,975
Violations (other than fire-escapes) removed.....	248	838	1,070	1,239	1,894
Unsafe buildings reported.....	160	920	1,348	945	1,739
Unsafe buildings made safe.....	148	488	1,373	816	1,361
Unsafe buildings taken down.....	10	78	205	73	87
Buildings reported for additional means of escape in case of fire.....	277	544	1,443	1,562	2,662
Buildings provided with additional means of escape in case of fire.....	84	825	842	1,338	1,964
Notices issued.....	1,372	4,422	6,279	5,471	9,418
Complaints received.....	1,285	5,030	3,237	2,465	1,907
Cases forwarded for prosecution.....	123	723	1,022	1,404	1,539

NATURE.	1885.	1886.	1887.	TOTALS.
Number of plans filed for new buildings.....	1,843	2,085	2,131	12,123
Number of new buildings.....	3,368	4,092	4,344	23,566
Estimated cost of same.....	\$45,374,613	\$58,750,733	\$67,059,570	\$337,349,938
Number of plans filed for buildings altered.....	2,331	2,409	2,122	14,306
Number of buildings altered.....	2,506	2,621	2,287	15,305
Estimated cost of same.....	\$7,594,825	\$5,909,314	\$6,397,985	\$38,192,479
Violations (other than fire-escapes) reported.....	1,536	1,184	1,106	9,022
Violations (other than fire-escapes) removed.....	1,565	1,198	1,157	9,203
Unsafe buildings reported.....	1,750	1,046	920	8,829
Unsafe buildings made safe.....	1,438	1,037	830	7,491
Unsafe buildings taken down.....	134	98	103	788
Buildings reported for additional means of escape in case of fire.....	3,048	2,231	1,720	13,487
Buildings provided with additional means of escape in case of fire.....	2,245	1,506	1,975	10,769
Notices issued.....	8,923	8,715	5,340	49,940
Complaints received.....	3,253	3,190	3,275	23,642
Cases forwarded for prosecution.....	2,648	2,033	1,863	11,555

Comparative Statement.

A comparison of the records of the late Department of Buildings during the last seven years and seven months of its existence, with those of the Bureau of Inspection of Buildings in this Department during the first seven years and five months of its existence, shows the following as to the principal work done in each, respectively, together with the cost of administration during the periods named:

	DEPARTMENT OF BUILDINGS, JANUARY 1, 1873, TO JULY 31, 1880.	BUREAU OF INSPECTION OF BUILDINGS, AUGUST 1, 1880, TO DECEMBER 31, 1887.
Number of plans for new buildings and alterations.....	15,673	26,429
Number of buildings to be erected or altered.....	27,976	38,861
Estimated cost of new buildings and alterations.....	\$169,979,200 00	\$395,152,417 00
Total cost of administration.....	\$686,734 79	\$338,250 00
Cost of administration per \$100 of estimated cost of buildings and alteration.....	40 CENTS.	9 CENTS.

The records of the cause and origin of fires show, as a result of the increasing efficiency of the Bureau of Inspection of Buildings, that the proportion of fires due to defective construction of buildings was seven per cent. in 1880 and two and three-fifths per cent. in 1887.

ATTORNEY TO THE DEPARTMENT.

Violations of Law Relating to Combustibles, etc.

NATURE OF VIOLATIONS.	FOR DISPOSITION.			DISPOSED OF.								Now Pending.
	Pending last Report.	Received since.	Total.	BEFORE COMMENCEMENT OF LITIGATION.		AFTER COMMENCEMENT OF LITIGATION.						
				Recalled—Violations Removed.	Recalled for Other Reasons.	Violations Removed before Trial.	Judgment for Department.	Penalty Paid and Discontinued.	Dismissed.	Total.		
Selling kerosene-oil without license.....	19	73	92	..	18	42	15	..	15	90	2	
Combustible material in excessive quantity ..	1	1	..	..	..	..	..	..	..	..	1
Chimney fires	4	4	..	..	..	..	..	3	1	4	..
Hoistways found open after conclusion of business.....	4	4	..	..	1	..	..	..	3	4	..
Fireworks, chemicals, matches, etc., kept without permit.....	5	5	..	..	..	..	..	..	..	..	5
Totals	33	87	120	..	18	43	15	3	19	98	8	

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.....	125	343	468	200	12	124	10	4	16	366	102	
Erecting, altering or removing without permit or after disapproval.....	180	385	565	127	25	165	37	34	13	406	159	
Insufficient means of escape, fire-escapes, aisles obstructed, etc.....	519	1,053	1,572	611	213	317	73	3	138	1,357	215	
Unsafe buildings.....	16	69	85	..	1	34	7	..	6	48	37	
Defective elevators.....	6	13	19	17	..	1	..	..	..	18	1
Totals.....	846	1,863	2,709	955	253	641	127	41	178	2,195	514	

Miscellaneous Business.

NATURE.	PENDING LAST REPORT.	RECEIVED.	TOTAL.	DISPOSED OF.	NOW PENDING.
Opinions required.....	1	13	14	11	3
Agreements.....	..	2	2	2	..
*Hotel cases—For rope fire-escape....	..	217	217	113	104
Totals.....	1	232	233	126	107

*Action taken by request of the Mayor to enforce the provisions of chapter 720, Laws of 1887.

Claims for Damages to Department Property, etc.

AGAINST.	NATURE OF CLAIM.	AMOUNT.	DISPOSITION.
U. S. Illuminating Company.....	Damage to street fire-alarm boxes....	\$125 00	Dismissed.
Brush Electric Lighting Company..	Damage to street fire-alarm boxes....	.....	Dismissed.

Received for Violation of Combustible Laws.

As penalty, chimney fires.....	\$15 00
Selling kerosene-oil without license, judgment.....	27 50
Paid to Treasurer of the Relief Fund of the Fire Department, as required by law	\$42 50

For Violation Building Laws.

Violation case No. 948 of 1886, judgment.....	\$109 50
Violation case No. 316 of 1885, judgment.....	109 50
Fire-escape case No. 928 of 1886, judgment.....	59 50
Unsafe case No. 69 of 1887, survey fee.....	25 00
Violation case No. 682 of 1886, judgment.....	59 50
Fire-escape case No. 463 of 1883, judgment.....	59 50
Fire-escape case No. 464 of 1883, judgment.....	59 50
Fire-escape case No. 2401 of 1885, judgment.....	117 50
Fire-escape case No. 1079 of 1886, judgment.....	59 50

Paid to the Comptroller as required by section 515, chapter 410, Laws 1882, as amended by section 38, chapter 566, Laws 1887.....	\$659 12
---	----------

Cases against the Department.

NAME OF PLAINTIFF.	Pending at last Report.	Received.	NATURE OF ACTION.	DISPOSED OF.	Now Pending.
The People ex rel. William Dodge.....	1	..	Certiorari to review removal.....	..	1
The People ex rel. Timothy Sullivan (No. 1.....)	1	..	Certiorari to review removal.....	..	1
The People ex rel. John McCabe.....	1	..	Certiorari to review removal.....	Relator reinstated.	..
The People ex rel. James P. Reilly.....	1	..	Certiorari to review removal.....	Writ quashed.....	..
The People ex rel. Timothy Sullivan (No. 3.....)	1	..	Certiorari to review removal.....	..	1
The People ex rel. Peter H. Short.....	1	..	Certiorari to review removal.....	..	1
The People ex rel. Francis J. Reilly.....	1	..	Certiorari to review removal.....	..	1
The People ex rel. J. C. Tucker.....	1	..	Application for mandamus.....	Discontinued.....	..
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
Josephine Donnelly, an infant.....	1	..	Damages for personal injuries.....	..	1
Edward G. Dumahaut vs. John R. Shields	1	..	Claim for salary.....	..	1
Totals.....	9	4		3	10

FIRE-ALARM TELEGRAPH.

In consequence of the enormous increase in the number of wires comprising the various electrical systems, and the reconstruction and repairs in constant progress all over the city, the fire-alarm wires are continually subject to interferences necessitating a large amount of work to maintain them in a proper condition of efficiency. Added to this has been the removal of the Central Office plant from Mercer street to Sixty-seventh street, the rearrangement of the various circuits made necessary by that change, and the renewal of a number of circuits and placing a large number of new poles, all of which has involved an amount of labor and material largely in excess of that of any previous year.

In connecting the circuits to the new Headquarters, an underground system was adopted, which extends from the building through Sixty-eighth street easterly to Second avenue, and westerly to

Lexington avenue; thence southerly to Sixty-fifth street; thence westerly to Fifth avenue, continuing thence through the Transverse (Central Park) road to Eighth avenue at Sixty-sixth street.

All the cables used in the system are insulated copper conductors, encased in lead, and known as the Waring anti-induction cables.

Length of conduit.....	6,579 feet.
Number of cables.....	30
Number of conductors.....	180
Total length of cables.....	57,059 feet.

Conductors furnished under contract.....	250,089 feet.
Conductors put in, in excess of amount of contract.....	32,265 "
Conductors, connecting vault (in rear of Headquarters in Sixty-eighth street to office).....	60,000 "

Total conductors from Central Office..... 342,354 feet.

The 32,265 feet of conductors in excess of those purchased by the Department, as above mentioned, were put in to guard against the contingency of accident to the others, and for future requirements. Changes and additions have since made the use of a portion of them necessary, and their purchase is under consideration.

The cables from the Mercer street building have been in constant use by the Department since October, 1885, having been laid at that time for the use of the Department for test, and with the privilege of purchase or discontinuance, as stated in the report for 1885. The service furnished by these cables has been entirely satisfactory, and their acceptance is also now under consideration.

In renewing worn-out circuits, changing of routes and extensions of lines, one hundred and sixty-three miles of covered wire have been put up and a large quantity of old wire has been removed and condemned.

Seventy-two new poles have been set and fifty-three poles have been re-set and seventy-three decayed poles condemned and removed, and two hundred and forty-four poles have been painted.

Twenty keyless doors have been placed upon street boxes, and ten new alarm boxes have been added.

The submarine cable connecting Randall's Island was broken by a vessel's anchor, and owing to its weakened condition from age its repair was found impracticable, and a new cable was laid to replace it.

Numerous accidents to telegraphic apparatus have occurred through contact with the wires of the electric-lighting systems with the fire telegraph wires, and though the pecuniary damages sustained have been slight, it should be noted that every such incident renders inefficient and inoperative, for the time, a certain portion or section of the fire-alarm system, during which great losses might occur from failure of the proper working of the alarm system.

The large additions to the number of circuits for electric lighting, and the gradual deterioration in the insulated covering to these wires, increases the danger to which the fire-alarm system is exposed.

The fact that these wires for electric lighting are placed and maintained by the various companies without regard to the interests of the public safety, is a strong argument in favor of securing through appropriate legislation such control and supervision over this work as may be necessary to insure the safety of the fire-alarm system.

Eleven hundred miles of wire and sixty-seven hundred poles are at present in use in the overhead line equipment.

There are at present in service:

Regular street alarm boxes.....	686
Special boxes, in city institutions, etc.....	26
Special boxes in public schools.....	131

Total in public service..... 843

Special boxes in places of amusement, manufactories, etc.....	176
Duplicate special boxes in places of amusement, manufactories, etc.....	47

Total in private service..... 223

Aggregate number of boxes..... 1,066

Measures will be taken to proceed with the extension of the underground system as early and as speedily as practicable.

The substitution of covered wire in place of the inferior uncovered wire should be continued where practicable, especially along the routes of the elevated roads, where the effect of the smoke and gases is found to be very injurious to uncovered wires.

The number of keyless doors in use on the street boxes is one hundred and fifteen.

Thirty-two lamp-posts have been altered and fitted with keyless door alarm-boxes and ruby colored glass lamps to make their location conspicuous.

Wherever practicable, especially in connecting with underground wires, it is intended to transfer the boxes to lamp-posts and fit them with keyless doors.

Alarms and calls have been received and transmitted as follows:

First alarms from street boxes.....	1,688
Second alarms.....	124
Third alarms.....	66
Alarms from special building boxes.....	20
Alarms from Police Department.....	5
Alarms, verbal.....	2
Alarms from Automatic Signal Co.....	62
Alarms from American District Messenger Co.....	5
Special calls for companies.....	190
Special calls for water-tower.....	3
Special calls for increase of water pressure.....	120
Special calls, simultaneous.....	2
Special calls for Insurance Patrols.....	121
Special calls for ambulances.....	290
Special calls for officers.....	1
Special calls for automatic stations.....	1
Notices of verbal alarms received by companies, etc.....	1,101

Total alarms and calls..... 3,813

Number of Fire Alarm Keys Issued.

To the Uniformed Force.....	965
To others in the Department.....	11
To the Police Department.....	3,400
To the Fire Insurance Patrol.....	147
To the District Telegraph Companies.....	26
To householders.....	2,245
To citizens.....	2,922
To the Holmes Electric Protective Company.....	63
To the Public Schools.....	131

Total..... 9,910

SANITARY STATISTICS OF THE UNIFORMED FORCE.

Cases of Disability.

CAUSED BY—	NUMBER.	DAYS LOST.
Injuries.....	219	7,625
Disease.....	510	10,681
Total.....	729	*17,706

* Equivalent to daily average on the sick list of 48 members.

Examination of candidates for appointment to the Uniformed Force—

Number found qualified.....	122
Number found disqualified.....	75
Total.....	197

Deaths in the Uniformed Force.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF DEATH.	CAUSE.
Francis J. Quinn.....	Fireman, 1st gr.	Engine 29	Dec. 22, 1883	Feb. 1	Result of injuries received at fire.
Henry Campbell.....	" 1st gr.	" 19	Nov. 1, 1870	" 5	Paralysis.
Michael J. McAuliffe.....	" 1st gr.	" 28	May 5, 1882	Mar. 11	Inflammation of bladder.
George Graney.....	" 3d gr.	" 52	Dec. 17, 1885	Apr. 6	Consumption.
Edward Hogan.....	Engineer.....	" 29	Sept. 11, 1865	" 27	Pleurisy.
James C. O'Shaughnessy.....	Fireman, 1st gr.	H. & L. 1	July 10, 1880	May 12	Result of injuries received at fire.
William Wray.....	Engineer.....	Engine 54	Oct. 30, 1865	" 24	Result of injuries received on way to fire.
James Rehill.....	Fireman, 1st gr.	H. & L. 8	Aug. 15, 1884	June 1	Result of injuries received at fire.
Charles Morganroe.....	" 1st gr.	Engine 35	Nov. 23, 1877	July 8	Consumption.
Seaman Johnson, Jr.....	" 1st gr.	H. & L. 18	Nov. 17, 1881	" 31	Pneumonia.
John J. Murphy.....	" 1st gr.	" 2	Oct. 15, 1870	Aug. 12	Consumption.
William R. Ferris.....	Ass't Foreman.	Engine 38	Sept. 7, 1874	Oct. 2	"
Timothy Flynn.....	Engineer.....	" 6	Jan. 5, 1875	" 27	Typho-malarial fever.
John H. McKniff.....	Fireman, 1st gr.	" 42	Oct. 22, 1874	" 31	Bright's disease.
Thomas A. Hopkins.....	" 1st gr.	H. & L. 4	Aug. 1, 1884	Dec. 3	Consumption.
John Timon.....	" 1st gr.	Engine 45	Nov. 14, 1868	" 8	"

Deaths among those Retired from all Service.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF RETIREMENT.	CAUSE.	DATE OF DEATH.	CAUSE.
Andrew C. McKelvey.....	Fireman, 1st gr.	Engine 18	1869	1881	Consumption	Apr. 6	Consumption
James McLean.....	" 1st gr.	" 19	Oct. 1868	Jan. 1879	"	"	"
James McManus, No. 2.....	" 1st gr.	H. & L. 3	July 1873	Sept. 1885	Hemiplegia	July 30	Peritonitis.
James McManus, No. 1.....	" 1st gr.	" 13	Oct. 1870	June 1883	Rheumatism	Nov. 24	Consumption
					"	" 28	"

Deaths among those Relieved from Service at Fires.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	WHEN RELIEVED.	CAUSE.	DATE OF DEATH.	CAUSE.
Thomas Gray.....	Fireman, 1st gr.	H. & L. 1	Jan. 1876	Apr. 1883	Consumption	Jan. 17	Consumption

Relieved from Service at Fires during the Year.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF RETIREMENT.	CAUSE.
Thomas J. Cortisios.....	Fireman, 1st grade.	Engine 30....	Sept. 8, 1865	Feb. 1	Rheumatism.
William J. Renshaw.....	" 1st grade.	" 36....	Sept. 1, 1875	" 1	Hemorrhoids, defective vision and hearing, etc.
Peter Gallagher.....	" 1st grade.	" 50....	Oct. 10, 1870	" 1	Chronic rheumatism, defective vision, etc.
Alphonso Doncourt.....	" 1st grade.	" 8....	May 1, 1875	Mar. 1	Stiff ankle joint.
Simon Hexter.....	" 1st grade.	H. & L. 11....	Dec. 1, 1865	" 1	Rheumatism.
Joseph Creagle.....	Engineer of Steamer	Engine 47....	Dec. 20, 1865	" 1	Rheumatism and general debility.

APPARATUS.

The following new apparatus was purchased during the year:
Two new steam fire-engines (see "Description of Steam Fire Engines" in a subsequent part of this report for particulars), one Hayes' extension hook and ladder truck, seven four-wheeled hose tenders.

Repair Shop Work.

One Chief of Battalion wagon was built.
One water-tower and one wagon were rebuilt.
The following extensive repairs were made:
Twenty to steam fire-engines, two to floating engines, twenty-four to hose tenders, fourteen to hook and ladder trucks.

The following ordinary repairs were made:
Two hundred and three to steam fire-engines, eight to floating engines, seventy-nine to hose tenders, sixty-three to hook and ladder trucks, four to water-towers, two hundred and sixty-six to wagons of various kinds.

Six sets of sliding-poles were put up in company quarters.
Seven sets of single harness, two sets of double harness, and a large number of bridles and other parts of harness were made and furnished.

A large amount of miscellaneous repairs to apparatus, hose and harness, and painting was also done.

The following articles were furnished to the various companies:
Forty-two jumping nets, nine iron rams and wall cutters, six sub-cellar pipes and nozzles, thirty-nine hose hoisters, six hydrant connections, twenty-six thousand five hundred feet of hose.

Inventory of Apparatus.

	IN SERVICE.	SPARE.	TOTAL.
Marine steam fire-engines (Engine Companies Nos. 43 and 51).....	2	"	2
First size.....	8	8	16
Second size.....	34	10	44
Steam fire-engines Third size.....	6	2	8
Fourth size.....	15	"	15
Fifth size.....	2	"	2
Hose-tenders, four-wheeled.....	35	5	40
Hose-tenders, two-wheeled.....	28	16	44
Water-towers.....	3	"	3
Roller-frame, with extension ladder { 1st size.....	15	3	18
2d size.....	7	"	
Hook and ladder trucks Goose-neck, without extension ladder.....	6	1	7
Roller-frame, without ladders, 1st size.....	"	1	1
Turn-table, first size.....	3	"	3

	IN SERVICE.	SPARE.	TOTAL.		STYLE OF—	SIZE IN INCHES OF—	When first placed in service.	MANUFACTURER'S—	ENGINE COMPANY NOW USING.
					Frame.	Boiler.	Engine.	Name.	Number.
Chemical fire-engines.....	10	10	10						
Fuel wagons.....	16	1	17						
Wrecking truck.....	1	1	1						
Chemical fire extinguishers.....	139	1	139						
Hand-engines.....	3	3	3						
Hose carriages.....	1	1	1						
Hose jumpers.....	14	14	14						
Supply wagon.....	1	1	1						
Chief of Battalion Wagons.....	12	4	16						

Inventory of Hose.

	SIZE.	NUMBER OF FEET.
Combination rubber hose.....	2 inch.	400
Combination rubber.....	2½ "	105,900
" tapering from.....	3½ to 2½ "	400
Cotton, rubber lined.....	2½ "	73,905
Linen.....	2½ "	300
Combination rubber.....	3½ "	4,369
".....	4 "	112
".....	6 "	100
Cotton, rubber lined.....	3½ "	1,000
Total.....		186,586

Description of Steam Fire Engines—Classified.

Size.	Frame.	Boiler.	Engine.	SIZE IN INCHES OF— Steam Cylinder. Stroke of Piston. Pump.	Weight with Water.	When first placed in service.	MANUFACTURER'S— Name.	Number.	ENGINE COMPANY NOW USING.
1	Barrel tank....	Tubular....	Double	8 12 4½	8,800	Sept., 1865	Amoskeag.....	142	Spare.
1	".....	Drop tube.	"	8 12 4½	8,800	Sept., 1865	".....	143	"
1	".....	"	"	8 12 4½	8,800	Sept., 1866	".....	191	"
1	".....	"	"	8 12 4½	8,800	Sept., 1866	".....	192	"
1	".....	"	"	8 12 4½	8,800	Oct., 1866	".....	193	"
1	".....	Tubular....	"	8 12 4½	8,800	Nov., 1866	".....	195	"
1	Straight frame.	Drop tube.	"	8½ 8 4½	9,600	Oct. 1872	".....	284	Unserviceable.
1	* Crane neck....	"	"	7½ 8 4½	8,000	Sept., 1874	".....	494	No. 18.
1	".....	"	"	7½ 8 4½	7,320	Mar., 1879	Clapp & Jones.	527	Spare.
1	".....	Coil.....	"	7½ 8 4½	7,575	Sept., 1880	Ahrens.....	252	No. 13.
1	".....	Drop tube.	"	8 7 4½	7,450	Oct., 1880	Clapp & Jones.	351	33.
1	".....	"	"	8 7 5½	7,450	Nov., 1880	".....	352	7.
1	".....	"	"	8½ 7 5	7,890	June, 1882	".....	380	14.
1	".....	"	"	8½ 7 5	7,890	July, 1882	".....	381	1.
1	".....	"	"	8½ 7 5	7,890	Aug., 1882	".....	383	19.
1	".....	"	"	8½ 7 5	7,890	Sept., 1882	".....	385	55.
2	U tank.....	Tubular....	Single.	8 12 4½	6,750	Dec., 1860	Amoskeag.....	19	Ward's Island.
2	".....	"	"	8 12 4½	6,750	Oct., 1865	".....	147	No. 26.
2	".....	"	"	8 12 4½	6,750	Nov., 1865	".....	148	Spare.
2	".....	"	"	8 12 4½	6,750	Dec., 1865	".....	157	"
2	".....	"	"	8 12 4½	6,750	Dec., 1865	".....	158	"
2	".....	"	"	8 12 4½	6,750	Jan., 1866	".....	159	"
2	".....	"	"	8 12 4½	6,750	Jan., 1866	".....	160	No. 12.
2	".....	Drop tube.	"	8 12 4½	6,750	Feb., 1866	".....	161	Spare.
2	".....	"	"	8 12 4½	6,750	Feb., 1866	".....	162	"
2	".....	"	"	8 12 4½	6,750	Mar., 1866	".....	163	"
2	".....	Tubular....	"	8 12 4½	6,750	Apr., 1866	".....	164	"
2	".....	{Sectional} {coil tube}	"	8 12 4½	6,750	Apr., 1866	".....	165	No. 16.
2	".....	Tubular....	"	8 12 4½	6,750	Aug., 1866	".....	166	Spare.
2	Harp tank.....	"	"	8 12 4½	6,050	May, 1865	".....	132	No. 36.
2	Straight frame.	{Sectional} {coil tube}	Double	6½ 8 4½	6,700	Mar. 1867	".....	226	28.
2	".....	Drop tube.	"	6½ 8 4½	6,700	Mar. 1867	".....	227	31.
2	".....	"	"	6½ 8 4½	6,700	Mar., 1867	".....	228	21.
2	".....	"	"	6½ 8 4½	6,700	Apr., 1867	".....	229	25.
2	".....	"	"	6½ 8 4½	6,700	May, 1867	".....	230	5.
2	".....	"	"	6½ 8 4½	6,700	Aug., 1868	".....	295	27.
2	".....	Nest tube.	"	6½ 8 4½	6,700	Sept., 1868	".....	296	39.
2	".....	Tubular....	"	6½ 8 4½	6,700	Sept., 1868	".....	301	Spare.
2	".....	"	"	6½ 8 4½	6,700	Nov., 1868	".....	302	No. 34.
2	Crane neck....	Nest tube.	"	7½ 8 4½	8,250	July, 1886	La France.....	103	9.
2	".....	{Sectional} {coil tube}	"	7½ 7 4½	7,240	May, 1887	Clapp & Jones.	491	24.
2	".....	Drop tube.	"	5½ 8 4½	6,800	Feb., 1871	Amoskeag.....	359	23.
2	".....	"	"	6½ 8 4½	6,800	Feb., 1871	".....	360	15.
2	".....	"	"	6½ 8 4½	6,800	Mar., 1871	".....	361	6.
2	".....	"	"	5½ 8 4½	6,800	Mar., 1871	".....	362	30.

* Altered from self-propeller.

Size.	Frame.	Boiler.	Engine.	SIZE IN INCHES OF— Steam Cylinder. Stroke of Piston. Pump.	Weight with Water.	When first placed in service.	MANUFACTURER'S— Name.	Number.	ENGINE COMPANY NOW USING.
2	Crane neck....	Drop tube.	Double	6½ 8 4½	6,800	Mar., 1871	Amoskeag.....	363	No. 11.
2	".....	Tubular....	"	6½ 8 4½	6,950	June, 1873	".....	437	8.
2	".....	Drop tube.	"	6½ 8 4½	6,950	June, 1873	".....	438	54.
2	".....	"	"	6½ 8 4½	6,950	July, 1873	".....	439	12.
2	".....	"	"	6½ 8 4½	6,950	Sept., 1873	".....	440	29.
2	".....	"	"	6½ 8 4½	6,950	Sept., 1873	".....	441	3.
2	".....	"	"	6½ 8 4½	6,950	Sept., 1873	".....	455	16.
2	".....	"	"	6½ 8 4½	6,800	Nov., 1868	Gould.....	7	Ward's Island.
2	".....	Coil.....	"	6½ 8 4½	6,210	July, 1883	Ahrens.....	358	No. 13.
2	".....	"	"	6½ 8 4½	6,210	July, 1883	".....	360	20.
2	".....	Drop tube.	"	7½ 7 4½	6,550	July, 1883	Clapp & Jones.	413	32.
2	".....	"	"	7½ 7 4½	6,485	Aug., 1883	".....	415	27.
2	".....	"	Rotary	7½ 7 4½	6,400	July, 1884	Silsby.....	780	17.
2	".....	"	Double	7½ 7 4½	6,885	July, 1885	Clapp & Jones.	463	31.
2	".....	{Sectional} {coil tube}	"	7½ 7 4½	6,740	Aug., 1886	".....	473	4.
3	Harp tank.....	Drop tube.	Single.	7½ 9½ 4½	5,550	May, 1861	Amoskeag.....	36	Spare.
3	".....	"	"	7½ 9 4½	5,700	Dec., 1875	".....	516	"
3	".....	Tubular....	"	7½ 9 4½	5,700	Feb., 1877	".....	527	No. 37.
3	".....	"	"	7½ 9 4½	5,700	Feb., 1877	".....	519	38.
3	".....	"	"	7½ 9 4½	5,700	Feb., 1877	".....	520	47.
3	Straight frame.	Coil.....	"	8 7 5	4,665	July, 1883	Ahrens.....	354	45.
3	".....	"	"	8 7 5	4,665	July, 1883	".....	356	42.
3	Horizontal....	Tubular....	"	"	"	Aug., 1865	Clapp.....	"	Randall's Island.
4	Crane neck....	Drop tube.	"	9½ 6 5½	5,750	June, 1881	Clapp & Jones.	359	No. 10.
4	".....	"	"	9½ 6 5½	5,750	June, 1881	".....	362	44.
4	".....	"	"	9½ 6 5½	5,750	July, 1881	".....	365	53.
4	".....	"	"	9½ 6 5½	5,300	Oct., 1881	".....	368	33.
4	".....	"	"	9½ 6 5½	5,300	Oct., 1881	".....	370	40.
4	".....	"	"	9½ 6 5½	5,300	Nov., 1881	".....	371	49.
4	".....	"	"	9½ 6 5½	5,300	Dec., 1881	".....	375	41.
4	".....	"	"	9½ 6 5½	5,950	April, 1884	".....	430	18.
4	".....	"	"	9½ 6 5½	5,950	April, 1884	".....	432	22.
4	".....	"	"	9½ 6 5½	5,950	May, 1884	".....	433	5.
4	".....	"	"	9½ 6 5½	5,950	May, 1884	".....	434	2.
4	".....	"	"	9½ 6 5½	5,950	May, 1884	".....	436	26.
4	".....	"	"	9½ 6 5½	5,950	June, 1884	".....	438	35.
4	Straight frame.	"	"	9½ 6 5½	4,745	July, 1883	".....	409	48.
4	".....	"	"	9½ 6 5½	4,745	Aug., 1883	".....	417	46.
5	".....	"	"	7½ 6 4½	4,680	Nov., 1882	".....	397	50.
5	Crane neck....	"	"	7½ 6 4½	5,030	Nov., 1884	".....	452	52.
1	Marine engine.	Tubular....	Double	{11 12 5 {11 12 5 {16 9 7½ {16 9 7½	{... {... {... {...	{May, 1875 {May, 1875 {April, 1883 {April, 1883	{Amoskeag... {Amoskeag... {Clapp & Jones {Clapp & Jones	{513 {514 {405 {406	{43 {51

Description of Hook and Ladder Trucks—Classified.

No.	SIZE.	STYLE.	MANUFACTURER.	LONGEST LADDER.	WHERE USED.
3	1st	Turn-table....	La France Mfg. Co.....	85 feet extension..	Hook and Ladder 3, 12 and 16.
3	1st	Roller frame....	Fire Ext'r Mfg. Co.....	73 "	Hook and Ladder 6, 9 and 15.
2	1st	"	Repair Shops.....	73 "	Hook and Ladder 8 and 10.
1	1st	"	Allerton Works.....	73 "	Hook and Ladder 18.
*5	1st	"	Repair Shops.....	70 "	Hook and Ladder 2, 5, 11, 14 and 18.
6	1st	"	"	65 "	Hook and Ladder 1, 4, 7 and 13, and 2 spare.
1	1st	"	Allerton Works.....	65 "	Spare.
1	1st	"	Babcock Mfg. Co.....	"	Not used.
4	2d	"	Repair Shops.....	50 feet extension..	Engine 47, 48, 50, Hook and Ladder 17.
2	2d	"	Fire Ext'r Mfg. Co.....	50 "	Engine 38, Hook and Ladder 13.
1	2d	"	"	52 "	Engine 52.
1	3d	Goose neck....	"	43 feet.....	Ward's Island.
1	3d	"	"	40 "	Hook and Ladder 9.
1	3d	"	"	38 "	Hook and Ladder 5.
1	3d	"	"	35 "	Engine 49.
2	3d	"	"	30 "	Hook and Ladder 19 and Randall's Island.
1	3d	"	"	"	Spare.

* One originally built by Hartshorne, New York.

HORSES.

December 31, 1886, number of horses on hand.....	335
Purchased since.....	31
Died.....	11
Sold.....	18
December 31, 1887, number on hand.....	337

On Probation.

December 31, 1886.....	12
Received.....	89
Accepted.....	101
Rejected.....	31
	57
	88
Remaining on probation, December 31, 1887.....	13

DEPARTMENT BUILDINGS AND SITES.

New Buildings.

The new quarters for Engine Company No. 55, at No. 173 Elm street, and Hook and Ladder Companies Nos. 16 and 18, at No. 159 East Sixty-seventh and No. 84 Attorney streets, respectively, were finished and occupied by the companies named.

A contract was also made for building new quarters for Engine Company No. 54, at No. 304 West Forty-seventh street.

Alterations and Repairs to Buildings.

Extensive alterations and repairs were made to the following buildings: Headquarters, Hospital Stables, and the quarters of Engine Companies Nos. 3, 4, 9, 12, 14, 16, 19, 22, 30, 38, 44 and 55, and Hook and Ladder Companies Nos. 6, 9 and 18.

Ordinary repairs, involving various kinds of mechanical work, were also made to the buildings of the Department, aggregating ninety-eight different jobs of work.

New Sites.

Under the provisions of section 13, chapter 742 of the Laws of 1871, requisition was made on September 22 for locations for two new apparatus houses, one in the vicinity of Eighty-fourth street and Tenth avenue, and the other in the vicinity of One Hundred and Tenth street and Tenth avenue. New companies in these locations have become necessary by reason of the increase in the number of buildings in these sections of the city. The Department selected two lots for this purpose, located respectively on the south side of Eighty-third street, about two hundred feet west of Ninth avenue, and on the south side of One Hundred and Thirteenth street, about sixty feet west of Tenth avenue, and recommended their purchase by the city. At the close of the year, the matter was still under consideration by the authorities.

Buildings Occupied by or Under Control of the Department.

Headquarters—Office of Commissioners, Bureau—Chief of Department, Inspector of Combustibles, Fire Marshal and Inspector of Buildings, and offices of Attorney, Fire Alarm Telegraph and Medical Officers, and School of Instruction—Nos. 157 and 159 East Sixty-seventh street.

The removal of the Fire Alarm Telegraph Central Office from the old headquarters in Mercer street was completed on June 14.

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

Hospital Stables, Ninety-ninth street, between Ninth and Tenth avenues.

Training Stables, No. 58 Lawrence street.

Bell-tower and Lookout, Mount Morris Square.

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

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

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

" 2, No. 530 West Forty-third street. (Fuel Depot No. 5.)

" 3, No. 417 West Seventeenth street.

" 4, No. 39 Liberty street.

" 5, No. 340 East Fourteenth street.

" 6, No. 100 Cedar street.

" 7, No. 22 Chambers street.

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

" 9, No. 55 East Broadway.

" 10, No. 8 Stone street.

" 11, No. 437 East Houston street.

" 12, No. 261 William street.

" 13, No. 99 Wooster street.

" 14, No. 14 East Eighteenth street.

" 15, No. 269 Henry street.

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

" 17, No. 91 Ludlow street.

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

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

" 20, No. 47 Marion street.

" 21, No. 216 East Fortieth street.

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

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

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

" 25, No. 342 Fifth street.

Engine Company No. 26, No. 220 West Thirty-seventh street.

" 27, No. 173 Franklin street.

" 28, No. 604 East Eleventh street.

" 29, No. 193 Fulton street.

" 30, No. 253 Spring street.*

" 31, No. 116 Leonard street.

" 32, No. 108 John street.*

" 33, No. 15 Great Jones street.

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

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

" 36, No. 2333 Fourth avenue.

" 37, No. 83 Lawrence street.

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

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

" 40, No. 153 West Sixty-eighth street.

" 41, No. 501 North Third avenue. ||

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

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

" 44, No. 221 East Seventy-fifth street.

" 45, North side Tremont avenue, between Southern Boulevard and Vyse streets.

" 46, Morris street, between Madison and Washington avenues.*

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

" 48, Thomas avenue, near Kingsbridge road.

" 49, Blackwell's Island.

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

" 51 (Floating engine), foot of West Thirtieth street.

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

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

" 54, No. 304 West Forty-seventh street (temporary quarters No. 219 West Forty-sixth street).

" 55, No. 173 Elm street.

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

" 2, No. 126 East Fifth street. (Fuel Depot No. 13.)

" 3, No. 108 East Thirteenth street.

" 4, No. 788 Eighth avenue.

" 5, No. 96 Charles street.

" 6, No. 77 Canal street.

" 7, No. 217 East Twenty-eighth street.

" 8, No. 7 North Moore street.

" 9, No. 209 Elizabeth street.

" 10, No. 191 Fulton street.

" 11, No. 742 Fifth street.

" 12, No. 243 West Twentieth street.

" 13, No. 159 East Eighty-seventh street.

" 14, No. 120 East One Hundred and Twenty-fifth street.

" 15, Old Slip, between Water and Front streets.

" 16, No. 159 East Sixty-seventh street.

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

" 18, No. 84 Attorney street.

" 19, Ogden avenue, between Birch and Union streets.*

Fuel Depot No. 1, No. 5 Duane street.

" 2, No. 160 East Thirty-third street. ||

" 3, No. 106 East Thirteenth street.

" 4 (see Engine Company No. 18).

" 5 (see Engine Company No. 2).

" 6, No. 180 Clinton street.

" 7, No. 28 Beaver street. †

" 8, No. 209 East One Hundred and Twenty-second street.

" 9 (see Engine Company No. 24).

" 10, No. 304 Washington street.

" 11, No. 199 Chrystie street.

" 12 (see Engine Company No. 19).

" 13 (see Hook and Ladder Company No. 2).

" 14 (see Engine Company No. 22).

" 15 (see Engine Company No. 53).

" 16 (see Hook and Ladder Company No. 17).

Store-house, No. 20 Eldridge street.

" No. 180 Clinton street. (Fuel Depot No. 6.)

" No. 199 Chrystie street, also occupied by second section of Hook and Ladder Company No. 9 and Fuel Depot No. 11.

" Division street, near Boston road.

" No. 432 West Thirty-sixth street.

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, 1871-1887.

Receipts.

FROM—	1871. 7 MONTHS.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	TOTALS.
Met. Fire Department Relief Fund..	\$7,340 07	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	\$7,340 07
Fines.....	646 51	\$621 64	\$843 31	\$734 79	\$972 51	\$567 15	\$489 46	\$568 98	\$568 03	\$1,068 89	\$868 80	\$1,304 55	\$1,066 33	\$1,703 23	\$2,005 84	\$1,839 84	\$2,249 50	19,019 36
Donations.....	.....	100 00	1,050 00	374 00	.....	100 00	.....	100 00	.....	.....	.....	100 00	.....	100 00	258 00	580 00	2,115 00	4,889 00
Penalties.....	.....	170 63	902 34	705 00	2,389 63	1,600 00	1,925 00	1,250 00	350 00	400 00	325 00	325 00	460 00	400 00	550 00	200 00	177 50	12,330 10
Oil licenses.....	26,330 00	27,328 50	30,399 50	31,827 50	29,454 50	27,285 00	30,103 00	29,750 00	30,300 00	29,760 00	31,180 00	31,270 00	32,720 00	35,270 00	36,550 00	37,100 00	39,500 00	536,228 00
Fireworks permits.....	495 00	509 00	537 00	522 75	519 25	645 50	472 25	332 75	355 00	363 50	409 25	440 75	462 75	513 50	583 75	620 50	627 75	8,410 25
Interest.....	275 55	1,999 86	4,258 91	9,298 22	10,410 44	11,795 22	17,210 91	15,493 90	18,680 49	22,140 20	22,885 58	23,468 10	20,347 85	24,764 43	20,567 30	20,712 94	21,711 99	266,021 89
Foreign insurance tax.....	9,942 30	12,072 04	16,136 25	15,281 24	12,878 98	12,112 10	16,630 02	17,582 80	.....	.....	.....	.....	.....	.....	.....	.....	.....	112,635 73
Powder licenses.....	.....	211 00	571 50	241 50	306 50	385 50	384 50	180 00	178 00	186 00	188 00	198 00	190 00	168 00	172 00	164 00	164 00	5,316 50
Special permits.....	.....	.....	.....	.....	.....	.....	258 00	274 00	328 00	370 00	366 00	722 00	872 00	806 00	956 00	1,068 00	6,020 00	.....
Chimney fires.....	245 00	440 00	375 00	355 00	245 00	260 00	240 00	180 00	290 00	305 00	320 00	360 00	325 00	441 50	355 00	300 00	5,036 50	.....
Fires in street permits.....	.....	.....	.....	.....	50	41 75	85 00	64 00	56 50	65 00	63 00	59 00	60 50	60 50	68 00	65 50	698 25	.....
Sales—Seized combustibles.....	.....	.....	24 25	.....	.....	.....	.....	6 30	10 00	63 25	35 37	.....	6 75	.....	.....	.....	145 92	.....
Sales—Sample oils.....	.....	.....	.....	27 06	.....	.....	.....	10 00	.....	1 35	50 00	.....	.....	.....	.....	.....	88 41	.....
Excise licenses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18,397 00	62,406 50	94,684 00	175,487 50	.....
Absences without leave.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	176 00	316 14	462 42	954 56	.....
Special leaves.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,081 96	3,621 65	4,098 38	9,801 99	.....
Sales—Condemned horses, etc., etc.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	513 90	3,114 07	2,538 75	6,166 72	.....
N. Y. State Dairy Commission.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	550 00	.....	550 00	.....
Totals.....	\$34,987 13	\$41,327 93	\$51,108 85	\$60,242 07	\$59,689 07	\$55,502 85	\$62,998 97	\$64,910 65	\$68,540 62	\$54,596 44	\$56,907 88	\$57,880 77	\$57,295 93	\$64,205 41	\$83,168 75	\$132,612 64	\$169,762 79	\$1,175,738 75

Disbursements.

FOR—	1871, 7 MONTHS.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	TOTALS.
Premium on city bonds.																	\$2,700 00	\$2,700 00
Salaries.....	\$5,950 45	\$12,276 86																18,227 31
Expense account.....	905 97	1,460 54	\$1,223 09	\$1,569 70	\$1,292 96	\$1,745 23	\$2,106 54	\$2,014 49	\$1,075 23	\$1 50	\$20 00	\$38 50	\$19 25	\$25 85			73 56	13,590 41
Pay of relieved men.....							2,199 96	1,799 96	928 31	858 29	7,432 54	10,789 04	10,427 46	\$9,838 58	\$17,636 20	23,134 33		\$5,044 67
Pensions of retired men.....								6,068 40	8,073 24	12,906 19	21,211 78	23,190 01	24,018 17	44,274 59	55,550 15	56,958 68	55,755 19	308,006 40
Pensions of widows and orphans.....			1,823 50	2,625 00	2,736 68	3,344 53	4,220 09	5,800 71	6,329 94	13,339 63	15,388 16	17,561 27	20,369 40	23,133 65	25,116 27	28,707 58	30,261 94	200,754 35
Totals.....	\$6,856 42	\$13,737 40	\$3,042 59	\$4,194 70	\$4,029 64	\$5,089 76	\$6,326 63	\$16,083 56	\$17,278 37	\$27,192 33	\$37,478 23	\$48,222 32	\$55,195 86	\$77,862 55	\$90,505 00	\$103,302 46	\$111,925 02	\$628,323 14

Recapitulation.

Receipts, June 1, 1871, to December 31, 1887.....	\$1,175,738 75
Disbursements, June 1, 1871, to December 31, 1887.....	628,323 14
Balance on hand, December 31, 1887.....	\$547,415 61

NEW YORK FIRE DEPARTMENT LIFE INSURANCE FUND.

For the Year.

Dec. 31, 1886	Balance on hand.....	\$3,362 01
Dec. 31, 1887	Receipts:	
	For assessments.....	\$19,493 00
	" Interest on deposits.....	28 07
		19,521 07
		\$22,883 08
Dec. 31, 1887	Disbursements:	
	To widow of Thomas Gray.....	\$1,000 00
	" administratrix of Francis J. Quinn.....	1,000 00
	" widow of Henry Campbell.....	1,000 00
	" " Michael J. McAuliffe.....	1,000 00
	" administratrix of Christopher Parks.....	1,000 00
	" " Edward Hogan.....	1,000 00
	" widow of George Graney.....	1,000 00
	" " Andrew McKelvey.....	1,000 00
	" " William Wray.....	1,000 00
	" administratrix of James O'Shaughnessy.....	1,000 00
	" " James Rehill.....	1,000 00
	" widow of James J. Giblin.....	1,000 00
	" " Charles Morganroe.....	1,000 00
	" " James McLane.....	1,000 00
	" administratrix of Seaman Johnson, Jr.....	1,000 00
	" executrix of John J. Murphy.....	1,000 00
	" widow of William R. Ferris.....	1,000 00
	" " Patrick Lynch.....	1,000 00
	" " Timothy Flynn.....	1,000 00
	" " James McManus.....	1,000 00
		20,000 00
Dec. 31, 1887	Balance.....	\$2,883 08

Receipts and Disbursements of the New York Fire Department Life Insurance Fund—1871-1887.

Receipts.	
1871.....	\$5,040 00
1872.....	7,773 00
1873.....	7,789 00
1874.....	6,398 00
1875.....	12,508 00
1876.....	11,074 00
1877.....	8,965 00
1878.....	9,241 00
1879.....	9,293 00
1880.....	9,640 00
1881.....	10,333 47
1882.....	10,917 34
1883.....	11,747 15
1884.....	12,845 59
1885.....	13,113 93
1886.....	17,686 53
1887.....	19,521 07
Total receipts.....	\$184,883 08
Disbursements.	
1871.....	\$5,000 00
1872.....	6,000 00
1873.....	9,000 00
1874.....	5,000 00
1875.....	14,000 00
1876.....	8,000 00
1877.....	8,000 00
1878.....	3,000 00
1879.....	9,000 00
1880.....	12,000 00
1881.....	10,000 00
1882.....	15,000 00
1883.....	9,000 00
1884.....	13,000 00
1885.....	19,000 00
1886.....	17,000 00
1887.....	20,000 00
Total disbursements.....	\$182,000 00
Balance on hand December 31, 1887.....	\$2,883 08

Very respectfully,

HENRY D. PURROY,
RICHARD CROKER,
Commissioners.

CARL JUSSEN, Secretary.

APPROVED PAPERS

Approved Papers for the week ending April 28, 1888.

Resolved, That permission be and the same is hereby given to the Trustees of the German Hospital on Seventy-seventh street, between Lexington and Fourth avenues, to construct a vault under the sidewalk, in front of their building, according to diagram annexed, without payment of the usual fee, provided the work be done in a durable and substantial manner, and that the said trustees shall stipulate with the Commissioner of Public Works to save the city harmless from any loss or damage that may occur in consequence of the building said vault during the progress of or subsequent to the completion thereof, the work to be done at their own expense, under the direction and to the satisfaction of the Commissioner of Public Works; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, April 17, 1888.
Approved by the Mayor, April 23, 1888.

Resolved, That permission be and the same is hereby given to Charles Oerter to lay a cross-walk of two courses of blue stone from the curb-line in front of his premises, No. 1524 Avenue A, across Avenue A to the curb-line in front of Nos. 1519 and 1521, the work to be done at his own expense, under the direction of the Commissioner of Public Works; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, April 17, 1888.
Approved by the Mayor, April 24, 1888.

Resolved, That permission be and the same is hereby given to the Church of the Reconciliation, in Thirty-first street, between Second and Third avenues, to place a transparency containing a notice of the religious services in the church, on the street-lamps located at the corners of Second and Third avenues and Thirty-first street, on Sunday evenings; such permission to continue for a period of ninety days.

Adopted by the Board of Aldermen, April 17, 1888.
Approved by the Mayor, April 24, 1888.

Resolved, That permission be and the same is hereby given to M. Belkin to remove the lamp-posts and lamp now located at the southeast corner of Spring and Renwick streets, to a point about three feet east of its present location, the work to be done at his own expense, under the direction of the Commissioner of Public Works.

Adopted by the Board of Aldermen, April 17, 1888.
Approved by the Mayor, April 24, 1888.

Resolved, That the attention of the Commissioners of Public Parks be and is hereby respectfully called to the advantage of using the vast quantities of broken stone now available on the line of the

New Aqueduct for the improvement of the unpaved streets and roads in the Twenty-fourth Ward, and the said Commissioners are hereby requested to make such arrangements as may be necessary to utilize the broken stone in repairing such streets and roads.

Adopted by the Board of Aldermen, April 17, 1888.
Approved by the Mayor, April 24, 1888.

Resolved, That permission be and the same is hereby given to Samuel Deegins to place and keep a stand for the sale of newspapers, on the sidewalk, inside stoop-line, in front of No. 2 Fulton street, provided such stand shall not be an obstruction to the free use of the street by the public, nor exceed six feet long by four wide, under the direction of the Commissioner of Public Works; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, April 17, 1888.
Approved by the Mayor, April 24, 1888.

Resolved, That permission be and the same is hereby given to W. H. Conklin to place and keep a stand for the sale of fruit, inside the stoop-line, in front of No. 198 Front street, provided such stand shall not be an obstruction to the free use of the street by the public, nor exceed six feet long by four feet wide; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, April 17, 1888.
Approved by the Mayor, April 24, 1888.

Resolved, That permission be and the same is hereby given to J. C. Murphy to place and keep an ornamental lamp-post and lamp on the sidewalk, near the curb, in front of his premises, Nos. 6 and 7 South street, the work to be done and gas supplied at his own expense, under the direction of the Commissioner of Public Works; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, April 17, 1888.
Approved by the Mayor, April 24, 1888.

Resolved, That permission be and the same is hereby given to Lazara Beatine to place and keep a stand for the sale of fruit, inside the stoop-line, in front of No. 58 Whitehall street, provided such stand shall not be an obstruction to the free use of the street by the public, nor exceed six feet long by four feet wide; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, April 17, 1888.
Approved by the Mayor, April 24, 1888.

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

Adopted by the Board of Aldermen, April 17, 1888.
Approved by the Mayor, April 24, 1888.

Resolved, That the name of Max Bernheimer, recently appointed Commissioner of Deeds, be corrected so as to read Max E. Bernheimer.

Adopted by the Board of Aldermen, April 24, 1888.

AN ORDINANCE to amend section 198 of article XV. of chapter 8 of the Revised Ordinances of 1880.

The Mayor, Aldermen and Commonalty of the City of New York do ordain as follows: Section 1. Section 198 of article XV. of chapter 8 of the Revised Ordinances of 1880 is hereby amended by striking therefrom the words "the Common Council, with the approval of the Mayor, shall otherwise order and direct," and inserting in lieu thereof the following: "otherwise ordered by the Board of Aldermen, by a vote of a majority of all the members elected to the Board," so that said section, when so amended, shall read as follows:

"Sec. 198. All power and authority to display flags or other decorations on, in or about the City Hall, or other public buildings within the City Hall Park, is hereby vested in the Mayor of the City of New York unless otherwise ordered by the Board of Aldermen by a vote of a majority of all the members elected to the Board."

Sec. 2. All ordinances or parts of ordinances inconsistent or conflicting with the provisions of this ordinance are hereby repealed.

Sec. 3. This ordinance shall take effect immediately.

Adopted by the Board of Aldermen, March 27, 1888.

Received from his Honor the Mayor, April 10, 1888, with his objections thereto.

In Board of Aldermen, April 24, 1888, taken up, reconsidered, as provided in section 75, chapter 410, Laws of 1882, and adopted, notwithstanding the objections of his Honor the Mayor, three-fourths of all the members elected voting in favor thereof.

Resolved, That the District Court for the Second Judicial District be temporarily located in the brown-stone building in the City Hall Park, corner of Centre and Chambers streets, being the building in which the District Court for the First Judicial District is now held, or until a permanent location is obtained, the same not to extend beyond the 25th day of June, 1888. This resolution is in no way intended to interfere with the business of the First District Court. This resolution to take effect immediately.

Adopted by the Board of Aldermen, April 24, 1888.

Approved by the Mayor, April 25, 1888.

FRANCIS J. TWOMEY, Clerk of the Common Council.

BOARD OF REVISION AND CORRECTION OF ASSESSMENTS.

An adjourned meeting of the Board of Revision and Correction of Assessments, to consider the matter of the assessment for Brook avenue sewer, was held at the Comptroller's office, on Monday, April 23, 1888, at 1.45 o'clock P. M.

Present—Theodore W. Myers, Comptroller; Henry R. Beckman, Counsel to the Corporation. Absent—Frederick Smyth, Recorder.

On motion, the reading of the minutes of meetings of February 17 and April 17, 1888, was dispensed with.

Before considering the subject specially designated for a hearing, the following matters were taken up and acted on:

The assessment list for outlet sewer in One Hundred and Fifty-eighth street, from Hudson river to and through road or public drive and One Hundred and Fifty-seventh street to Tenth avenue, with branches in Tenth avenue, between One Hundred and Fifty-fifth street and Kingsbridge road; in road or public drive and Eleventh avenue, east side, between One Hundred and Fifty-sixth and One Hundred and Fifty-seventh streets, and in One Hundred and Fifty-sixth street, between Tenth avenue and road or public drive, and objections, ordered to be referred back to the Board of Assessors at meeting of July 19, 1887, "with request to communicate with the Counsel to the Corporation relative to a revision of the assessment, reducing the same to the sum which the work would have cost had the original contract been carried out," were presented by the Comptroller, having been returned by the Board of Assessors under date of April 20, 1888, with new and additional objections of Columbia College, Charles Schultz, George B. Grinnell and others, filed by James A. Deering, attorney; also with an opinion of the Counsel to the Corporation of August 26, 1887, as requested at the meeting of this Board of July 19, 1887, and also with a communication of the Commissioner of Public Works, dated January 5, 1888, returning his certificate to the Board of Assessors, of the amount to be assessed on the property for the work in question, including Tenth avenue, in accordance with the opinion of the Counsel to the Corporation.

Upon consideration of the assessment as so revised, no one appearing in opposition after notice, on motion, the objections filed were overruled and the assessment list was confirmed, all the members of the Board present voting in the affirmative.

The assessment list for sewer in Irving place, between Fifteenth and Sixteenth streets, with objections of Johanna R. Linsly, filed by William B. Ross, attorney, laid over at the last meeting, on motion was taken up.

After hearing Col. Gilon, Chairman of the Board of Assessors, in explanation of the apportionment of the assessment, no one appearing in opposition after notice, on motion, the objections filed were overruled and the assessment list was confirmed, all the members of the Board present voting in the affirmative.

The matter of the assessment for Brook avenue sewer was then taken up for a hearing. H. A. Shipman, attorney, was heard in behalf of Elliott Zborowski and others, objecting that the assessment upon their property is for a greater sum than the benefit derived therefrom, and that in some instances the property is not designated by Block and Ward numbers; also in behalf of the House of the Good Shepherd, that the lots belonging to that institution are assessed more than the adjoining property, and more than one-half of the assessed valuation of the same.

Judge Ernest Hall was heard in behalf of the Bathgate estate, relative to the description and designation of the property in the assessment.

W. J. Marrin, attorney, was heard in behalf of the estate of William H. Morris, as to the apportionment of the assessment, which he considered too much upon the property of said estate.

W. Stebbins Smith, attorney, was heard as to the excess of the cost of the work over the original estimates.

Col. Gilon of the Board of Assessors was heard in explanation of the assessment and in answer to the various objections presented.

On motion, the subject was laid over for a further hearing on Wednesday, April 25, 1888, at 1 o'clock P. M.

At 3.10 o'clock P. M., on motion, the Board adjourned.

RICHARD A. STORRS,
Chief Clerk Board of Revision and Correction of Assessments.

The adjourned meeting of the Board of Revision and Correction of Assessments was held at the Comptroller's Office on Wednesday, April 25, 1888, at 2.45 o'clock P. M., instead of 1 o'clock P. M., on account of other engagements of some of the members of the Board.

Present—Theodore W. Myers, Comptroller; Henry R. Beckman, Counsel to the Corporation. Absent—Frederick Smyth, Recorder.

On motion, the reading of the minutes of meetings of February 17, April 17 and April 23, 1888, was dispensed with.

On account of the detention of the Recorder in Court, the hearing in the matter of the assessment for Brook avenue sewer, set down for to-day, was laid over for future consideration.

The Comptroller presented the assessment list for regulating, grading, curbing and flagging One Hundred and Fifty-fifth street, from Eighth avenue to McComb's Dam lane, and objections of Mary G. Pinkney, filed by Curtis B. Pierce, attorney, together with an opinion of the Counsel to the Corporation of February 15, 1888, concerning said list, having been received from the Board of Assessors under date of April 20, 1888.

Upon consideration, no one appearing in opposition to the assessment after notice, on motion, the assessment list was confirmed, all the members of the Board present voting in the affirmative.

The assessment list for fencing vacant lots on block bounded by One Hundred and Eighth and One Hundred and Ninth streets, First and Second avenues, with objections of Peter A. Cassidy, laid over at meeting of April 17, 1888, on motion was taken up.

After hearing Mr. James M. Fitzsimons in behalf of Mr. Cassidy in opposition to the assessment, on motion the said assessment list was laid over for further consideration.

At 3.10 o'clock P. M., on motion the Board adjourned.

RICHARD A. STORRS,
Chief Clerk Board of Revision and Correction of Assessments.

DEPARTMENT OF DOCKS.

At a meeting of the Board of Docks, held April 19, 1888.

Present—Commissioners Stark, Matthews and Marshall.

The minutes of the meeting held April 12, 1888, were read and approved.

The following communications were received, read, and,

On motion, laid on the table, to await action, as stated, to wit:

From Counsel to the Corporation—Respecting the completion of contract made with Michael and William T. Nolan for furnishing the Department with granite. Referred to Executive Session.

From Department of Street Cleaning—Stating that permission has been granted to the Barney Dumping-boat Company to use the dumping-board at Old Slip.

From Thomas I. Madge—Requesting use of the east half of Pier 18, East river.

From Van Vleck & Co.—Requesting berth at east side of Pier 18, East river.

From Engineer-in-Chief—

1st. Respecting pier at One Hundred and Nineteenth street, Harlem river. The President authorized to send copy of report to the Counsel to the Corporation, and request his opinion in relation thereto.

2d. Reporting inefficient Dock Builders. Referred to Executive Session.

3d. Report on Secretary's Order No. 7665, respecting stand erected on piles east side of Third Avenue Bridge, Harlem river. The Secretary directed to notify the Dock Master that the order to remove said structure has been suspended until otherwise ordered.

The following communications were received, read, and

On motion, ordered to be placed on file, action being taken where necessary, as stated, to wit:

From Counsel to the Corporation—Transmitting grant made by the people of the State of New York to the Mayor, Aldermen and Commonalty of the City of New York of lands under water of the Harlem river on Westchester shore and around Ward's and Randall's Islands, for filing in the Department. Referred to the Engineer-in-Chief for examination and comparison, and to have same recorded in Register's office.

From the Hon. Theodore W. Myers, Comptroller—Transmitting proceedings of the Commissioners of the Sinking Fund in relation to the renewal of the lease of Pier, new 38, North river.

From Department of Street Cleaning:

1st. Requesting the Department to build a new Pier foot of West Twelfth street, for use of dumping-board. Referred to the Engineer-in-Chief to examine and report.

2d. Reporting that dump foot of Canal street, North river, was obstructed on the night of the 17th instant. Referred to the Dock Master to examine and report.

From Department of Public Charities and Correction—Requesting repairs to Charity Hospital Pier, Blackwell's Island, East river. Referred to the Engineer-in-Chief to examine and report.

From Archibald Scott:

1st. Requesting renewal of permits to erect an ice bridge or platform at the foot of West Twenty-second street, North river, and Nineteenth street, East river. Referred to Dock Masters of said districts to examine and report.

2d. Requesting dredging in front of the bulkhead at One Hundred and Sixth street, Harlem river. The action of the President in directing the Engineer-in-Chief to examine and report was approved.

From English & Best, Cedar Hill Ice Company:

1st. Requesting permission to dredge in front of the north half of bulkhead, between Thirteenth and Fourteenth streets, North river. The action of the President in issuing a permit to do the dredging was approved.

2d. For permit to retain platform on the northerly half of the bulkhead, between Thirteenth and Fourteenth streets, North river. Permit granted under usual conditions.

From Gas Engine and Power Company—Requesting permission to erect a platform on piles at Morris Dock Station, Harlem river. Referred to the Engineer-in-Chief to examine and report.

From Columbia Yacht Club—Requesting use of small point of ground west of railroad track foot of Eighty-sixth street, North river. Referred to the Engineer-in-Chief to examine and report.

From Thomas Smith—Respecting the loading of scows with cellar dirt near the foot of Thirtieth street, North river. Referred to the Engineer-in-Chief.

From A. Van Santvoord, President Albany Day Line—Requesting permit to dredge at south side of Pier foot of Vestry street, North river. Permit granted under usual conditions.

From Tinsley Brothers—Requesting permit to repair brick stable foot of One Hundred and Twenty-second street, Harlem river, in accordance with plan submitted. Application denied.

From E. Thiele—Requesting Department to test barrel of Portland cement. The action of Commissioner Matthews in directing the Engineer-in-Chief to make test and report the result thereof was approved.

From Waverley Boat Club—Requesting permission to locate boat-house, between One Hundred and Fifty-fifth and One Hundred and Sixty-second streets, North river. The Secretary directed to request Mr. Dalton to call on the Engineer-in-Chief.

From T. H. Thorn & Co.—Respecting berth at pier foot of Twenty-eighth street, East river.

From Brown & Fleming—Requesting permission to occupy a portion of dumping-board at Pier 12, East river. Referred to Commissioner Marshall.

From Konald Gillies—Requesting that the time for the completion of Pier, new 62, North river, under Contract No. 256, be extended from April 13, 1888, to June 1, 1888. Referred to the Engineer-in-Chief to examine and report.

From Hunt and Donaldson—Requesting renewal of permit for use of bulkhead south of Franklin street, North river.

From John A. Bouker—Requesting permit to erect a dumping-board at bulkhead foot of Seventy-fifth street, East river. Referred to the Engineer-in-Chief to examine and report.

From David Milliken—Requesting permits to erect two derricks foot of Seventy-sixth street, East river. Permit granted under usual conditions, to be located thereat by the Dock Master.

The President reported that he had issued the following permits:

Twenty-third Street Railway Company—To repair platform and ferry-racks foot of Twenty-third street, North river.

Charles A. Pool & Co.—To repair Pier 6, North river.

Pennsylvania Railroad Co.—To repair sheathing, Pier, old 1, North river.

Jeremiah Skidmore's Sons—To drive piles at bulkhead, between Thirty-fourth and Thirty-fifth streets, East river.

Lehigh Valley Railroad Co.—To repair Pier 2, North river.

Atlanta Boat Club—To construct a gangway on piles on One Hundred and Fifty-second street, between Seventh avenue and the river, to connect with boat-houses.

West Shore Railroad Co.—To repair Pier 5, North river, and the approach to said pier.

Watervliet Ice Co.—To repair bulkhead, between Fifteenth and Sixteenth streets, North river.

The President also stated that he had directed the Engineer-in-Chief to examine and report on the following applications:

From White Star Line—Requesting an examination of the slip at Pier, new 45, North river, to ascertain if there is any sunken obstruction thereat.

From George H. Schaffer & Co.—For permit to rebuild platform between Perry and West Eleventh streets, North river.

From New York City Ice Co.—Requesting dredging in front of the bulkhead between Gansevoort and Bogart streets, North river.

From Homer Ramsdell Transportation Co.—Requesting the Department to cut a chute in front of Pier at foot of One Hundred and Twenty-ninth street, North river.

From Thomas Cunningham—Requesting dredging in front of bulkhead foot of Fifteenth street, East river.

On motion, his action was approved.

The following reports were received from the Dock Masters:

From P. Curley—Repairs required to Pier, old 42, North river.

From John Callan—Dredging required at bulkhead foot of One Hundred and Fourth and One Hundred and Sixth streets, Harlem river. The action of the President in directing the Engineer-in-Chief to examine and report was approved.

From E. Abeel—Repairs required to Pier 18, East river.

From P. J. Brady—Reporting small holes in Pier, new 59, North river.

From J. B. Erwin—Repairs required pier at Fifty-fifth street, North river.

From Charles H. Thompson—Holes in deck of Pier 7, East river. The action of the President in directing the Engineer-in-Chief to repair was approved.

From Charles H. Thompson—Reporting fender-piles required on the westerly side of Pier 14, East river. The action of the President in notifying alleged owners to repair was approved.

From John J. Ryan—Reporting mooring post broken off at outer end of pier foot of West One Hundred and Thirtieth street, and fender-piles loose on north side of pier foot of West One Hundred and Thirty-first street. The Engineer-in-Chief directed to examine and repair where necessary.

From J. B. Erwin—In reference to the application of John Everson for use of dumping-board at pier foot of Forty-sixth street, North river. Referred to the Treasurer.

From Engineer-in-Chief:

1st. Reporting assignment of employees to special duty.
2d. Reporting the amount of work done during the week ending April 14, 1888.
3d. Reporting repairs required to Pier, old 39, to bulkhead platform between Desbrosses street and Pier, old 40, Piers, new 20 and 21, Pier, old 40, and Pier at foot of Twenty-second street, North river. The action of the President in notifying the lessees to repair was approved.
4th. Respecting the use of small boat landing foot of Battery place, North river, by large boats. The Secretary directed to communicate with the Pennsylvania Railroad Company as recommended by the Engineer-in-Chief.
5th. Report on Secretary's Order No. 7538, dredging required in the half slips adjoining Pier at West Fifty-fifth street. The Engineer-in-Chief directed to prepare specifications and form of contract for dredging thereat as recommended in his report.
6th. Report on Secretary's Order No. 7668, in reference to the application of Theodore F. Tone, to change the lines upon permit heretofore granted to build bulkhead between One Hundred and Thirty-third and One Hundred and Thirty-fourth streets, North river, with permission to drive about two hundred and fifty-two piles behind the said bulkhead, and erect coal sheds thereon, and recommending that the application be granted.
On motion, the recommendation of the Engineer-in-Chief was adopted.

7th. Report on Secretary's Orders Nos. 7515, 7516 and 7625, dredging required at bulkhead from Seventy-eighth to Eightieth streets, North river, Piers foot West One Hundred and Thirtieth and One Hundred and Thirty-first streets, and at the dumping-board foot East Seventeenth street. The Engineer-in-Chief directed to make requisition for dredging thereat, as recommended in his reports.
8th. Report on Secretary's Order No. 7629, repairs required to bulkhead at Pier 31, East river. The Long Island Railroad Company directed to repair as recommended by the Engineer-in-Chief.
9th. Report on Secretary's Order No. 7520, in relation to supervising the raising and removal of boat sunk in front of the platform south of East Twenty-second street, East river, and stating while dredging thereat it was ascertained that the supposed boat was a shoal composed of sand, coal, tar, etc.

On motion, the order given to gas company to remove boat, etc., was rescinded, as recommended by the Engineer-in-Chief.

10th. Report on Secretary's Order No. 7473, that he had superintended and directed the erection of a dumping-board on pier at West Seventy-ninth street, North river.

11th. Report on Secretary's Orders Nos. 7587, 7609 and 7619, that he had directed and superintended the cutting of a sluiceway on the westerly and upper sides of Pier, new 32, East river.

12th. Report on Secretary's Order No. 7576, in reference to the canal-boat sunk at the foot of West Forty-eighth street, North river.

13th. Report on Secretary's Order No. 7594, that he had repaired Pier, new 59, North river.

14th. Report on Secretary's Order No. 7620, that he had supervised dredging at dumping-board south of East Twenty-ninth street, East river.

15th. Report on Secretary's Order No. 7621, that he had directed and superintended the repairing of Pier 3, North river.

16th. Report on Secretary's Order No. 7647, that he had made requisition for dredging at dumping-board at Pier 61, East river, and supervised the work thereat.

17th. Additional report on Secretary's Order No. 5066, that he had supervised the dredging done at Pier 29, East river.

18. Additional report on Secretary's Order No. 7519, that he had made requisition for dredging at dumping-board foot of East Twenty-second street, East river, and supervised the work thereat.

19th. Report on Secretary's Order No. 7391, that he had directed and superintended repairing bulkhead between Piers, old 27 and 28, North river, and the building of a platform and shed thereat.

20th. Report on Secretary's Order No. 7402, that he had directed and superintended repairing sheathing on deck of Pier, old 23, foot of Vesey street, North river.

21st. Report on Secretary's Order No. 7426, that he had made requisition for dredging at dumping-board at Pier 54, East river, and supervised the work thereat.

22d. Report on Secretary's Order No. 7443, that signs had been placed on the outer and lower corners of Pier at West Seventy-ninth street, North river, under his direction and supervision.

23d. Report on Secretary's Order No. 7458, that he had directed and superintended the erection of a fence on bulkhead platform between Piers, new 29 and old 38, East river.

24th. Report on Secretary's Order No. 7461, that he had superintended running sewer-pipe through bulkhead at East Eighty-third street, East river.

25th. Report on Secretary's Order No. 7469, that he had made requisition for dredging in front of the bulkhead between East Seventy-eighth and Seventy-ninth streets, East river, and supervised the work thereat.

IN THE MATTER

of

FORT LEE FERRY COMPANY, in relation to Lease of Bulkhead between One Hundred and Thirtieth and One Hundred and Thirty-first streets, and Pier One Hundred and Thirty-first street, North river.

The matter having been called in its regular order, William Moores appeared before the Board as the representative of the Fort Lee Ferry Company in answer to a resolution and order in this matter, dated April 12, 1888, requiring the said Fort Lee Ferry Company, among other things to show cause why the amount due has not been paid, and why the lease should not be canceled and annulled for the failure and neglect to pay the amount due or any part thereof.

The representative of the said Fort Lee Ferry Company requested that the matter be adjourned, as the Company expected to pay the amount due in a few days.

On motion, the further consideration of the subject was postponed until May 3, 1888, at 12 o'clock M.

The Treasurer, Commissioner Matthews, submitted his report of receipts for the week ending April 18, 1888, amounting to \$5,089.60, which was received and ordered to be spread in full on the minutes, as follows:

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE DEPOSITED.
1888.		25 per cent. Sale, April 11, 1888.			1888.
Apr. 12	N. Y. L. E. & W. R. Co.	West half Pier 8, E. R.	\$2,500 00		
" 12	Mutual Benefit Ice Co.	Bhd. bet. Piers, old 38 and 39, N. R.	325 00		
" 12	"	Pier, West 132d street	250 00		
" 12	Brown & Fleming	Dump Tickets, 300 at 15¢	46 50		
				\$3,121 50	Apr. 13
" 17	Patrick Curley	Wharfage District No. 4	\$284 80		
" 17	Charles B. Husted	" 6	148 54		
" 17	Patrick J. Brady	" 8	151 54		
" 17	Joseph B. Erwin	" 10	251 82		
" 17	John J. Ryan	" 12	78 99		
" 17	Charles H. Thompson	" 1	138 21		
" 17	Edward Abeel	" 3	391 36		
" 17	Charles H. Pendergast	" 5	318 11		
" 17	Charles Hutchinson	" 7	112 48		
" 17	George A. Dearborn	" 9	38 50		
" 17	John Callan	" 11	53 75		
				1,968 10	" 17
			\$5,089 60	\$5,089 60	

Respectfully submitted,

JAMES MATTHEWS, Treasurer.

On motion, the Board adjourned.

G. KEMBLE, Secretary.

DEPARTMENT OF PUBLIC WORKS.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE, No. 31 CHAMBERS STREET,
NEW YORK, April 20, 1888.

In accordance with the provisions of section 51 of chapter 410 of the Laws of 1882, the Department of Public Works makes the following report of its transactions for the week ending April 14, 1888:

Public Moneys Received during the Week.

For Croton water rents	\$20,669 40
For penalties on water rents	342 45
For tapping Croton pipes	245 00
For sewer permits	667 64
For restoring and repaving—Special Fund	1,091 00
For redemption of obstructions seized	136 50
For vault permits	355 33
Total	\$23,507 32

Public Lamps.

2 new lamps lighted.
3 old lamps relighted.
501 lamps discontinued.
2 lamp-posts removed.
7 lamp-posts reset.
21 lamp-posts straightened.
4 columns refitted.
13 columns relabeled.

Report of Photometrical Examinations of Illuminating Gas, for the week ending April 14, 1888, 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.	
						IN.	CU. FT.			Observed.	Corrected.
Apr. 9	2 P.M.	64.	30.44	{ Consolidated, Manhattan Branch.... }	Empire's ft.....	.64	5.00	120.0	20.12	20.12	
" 10	5.30 P.M.	66	30.13		"	.64	5.00	118.8	20.44	20.24	
" 11	2 P.M.	72.	30.00		"	.64	5.00	117.0	21.36	20.53	
" 12	4 P.M.	72	30.07		"	.63	5.00	120.0	20.08	20.08	
" 13	1 P.M.	66.	30.23		"	.64	5.00	121.2	20.60	20.80	
" 14	2.30 P.M.	68.	29.78	"	"	.63	5.00	126.0	18.86	19.80	
									Average.	20.31	
Apr. 9	2.30 P.M.	64.	30.44	{ Consolidated, New York Branch.... }	Bray's Slit Union, 7	.87	5.00	121.8	24.36	24.72	
" 10	5 P.M.	66.	30.13		"	.87	5.00	120.0	24.84	24.84	
" 11	2.30 P.M.	72.	30.00		"	.87	5.00	123.0	24.76	25.38	
" 12	3.30 P.M.	72	30.07		"	.87	5.00	118.8	25.28	25.03	
" 13	1.30 P.M.	66.	30.23		"	.87	5.00	126.0	24.84	26.08	
" 14	2 P.M.	68.	29.78	"	"	.88	5.00	120.0	26.36	26.36	
									Average.	25.40	
Apr. 9	6 P.M.	64.	30.47	{ Consolidated, Metropolitan Branch.... }	Bray's Slit Union, 6	.71	5.00	120.6	22.16	22.27	
" 10	9 A.M.	62	30.24		"	.71	5.00	120.0	22.30	22.30	
" 11	9.30 A.M.	61.	29.95		"	.71	5.00	114.0	23.00	21.85	
" 12	11.30 A.M.	64.	30.11		"	.71	5.00	126.0	21.96	23.06	
" 13	9.30 A.M.	59.	30.28		"	.70	5.00	120.0	23.40	23.40	
" 14	11.30 A.M.	61.	29.80	"	"	.71	5.00	121.2	23.34	23.57	
									Average.	22.74	
Apr. 9	5.30 P.M.	62.	30.47	{ Consolidated, Knickerbocker Br. }	"	.73	5.00	118.8	24.78	24.53	
" 10	9.30 A.M.	64.	30.24		"	.74	5.00	118.8	25.06	24.81	
" 11	10 A.M.	63.	29.95		"	.76	5.00	120.0	25.74	25.74	
" 12	11 A.M.	62.	30.11		"	.74	5.00	126.0	24.22	25.43	
" 13	10 A.M.	59.	30.28		"	.76	5.00	120.0	25.08	26.08	
" 14	11 A.M.	59.	29.80	"	"	.73	5.00	121.8	25.02	25.39	
									Average.	25.33	
Apr. 9	3 P.M.	64.	30.44	{ Consolidated, Municipal Branch.... }	Bray's Slit Union, 7	.89	5.00	115.2	29.24	28.07	
" 10	4.30 P.M.	66.	30.13		"	.88	5.00	120.0	28.36	28.36	
" 11	3 P.M.	72.	30.00		"	.87	5.00	117.6	29.20	28.62	
" 12	3 P.M.	72	30.07		"	.88	5.00	120.0	28.84	28.84	
" 13	2 P.M.	66.	30.23		"	.87	5.00	118.8	30.16	29.86	
" 14	1.30 P.M.	68.	29.78	"	"	.88	5.00	114.0	32.06	30.46	
									Average.	29.03	
Apr. 9	3.30 P.M.	64.	30.44	N. Y. Mutual...	"	.92	5.00	118.8	28.74	28.45	
" 10	4 P.M.	66.	30.13		"	.92	5.00	121.2	29.26	29.55	
" 11	3.30 P.M.	72.	30.00		"	.92	5.00	120.0	30.76	30.76	
" 12	2.30 P.M.	72.	30.07		"	.90	5.00	121.2	30.28	30.58	
" 13	2.30 P.M.	66.	30.23		"	.91	5.00	121.8	30.04	30.49	
" 14	1 P.M.	68.	29.78	"	"	.91	5.00	117.0	32.82	32.00	
									Average.	30.30	
Apr. 9	4 P.M.	64.	30.44	Equitable.....	"	.93	5.00	120.6	32.02	32.18	
" 10	3.30 P.M.	66.	30.13		"	.92	5.00	120.0	32.46	32.46	
" 11	4 P.M.	72.	30.00		"	.92	5.00	117.6	33.88	33.20	
" 12	2 P.M.	72.	30.07		"	.91	5.00	121.8	32.42	32.90	
" 13	3 P.M.	66.	30.23		"	.91	5.00	120.0	32.74	32.74	
" 14	12.30 P.M.	68.	29.78	"	"	.90	5.00	115.8	32.70	31.56	
									Average.	32.50	

E. G. LOVE, Gas Examiner.

Permits Issued.

- 5 permits to tap Croton pipes.
93 permits to open streets.
35 permits to make sewer connections.
46 permits to repair sewer connections.
235 permits to place building material on streets.
41 permits—special.
2 permits to construct street vaults.

Obstructions Removed.

- 55 obstructions removed from various streets and avenues.

Repairs to Pavements.

- 1,824 square yards of pavement repaired during the week.

Repairing and Cleaning Sewers.

- 46 basins and culverts cleaned.
3,507 lineal feet sewer cleaned.
4 lineal feet culvert rebuilt.
12 lineal feet sewer repaired.
18 lineal feet spur-pipe put in.
4 lineal feet new curb set.
4 lineal feet old curb reset.
8 lineal feet gutter stone reset.
2 basins repaired.
3 manholes repaired.
2 new manhole heads and covers put on.
1 new basin head and cover put on.
1 new basin cover put on.
2 new manhole covers put on.
1 manhole head reset.
88 cubic yards earth excavated and refilled.
33 square yards pavement relaid.
21 square feet new flagging laid.
26 square feet old flagging relaid.
7 cart-loads earth filling.
271 cart-loads dirt removed.

Statement of Laboring Force Employed in the Department of Public Works during the week ending April 14, 1888.

NATURE OF WORK.	MECHANICS.	LABORERS.	TEAMS.	CARTS.
Aqueduct—Repairs and Maintenance and Strengthening.....	46	144	11	7
Supplying Water to Shipping.....	6	..	..	..
Laying Croton Pipes.....	3	17	2	..
Repairing and Renewals of Pipes, Stop-cocks, etc.....	64	116	..	14
Bronx River Works—Maintenance and Repairs.....	2	21	2	1
Repairing and Cleaning Sewers.....	5	41	..	19
Repairs and Renewals of Pavements.....	36	64	1	14
Boulevards, Roads and Avenues, Maintenance of.....	13	53	17	1
Roads, Streets and Avenues.....	1	18	3	..
Totals.....	176	474	36	56
Increase over previous week.....	9	8	8	..
Decrease from previous week.....	..	..	..	2

Appointments.

John E. Connolly, Sewer Inspector.
Lawrence C. Bowden, Sewer Inspector.

Requisitions on the Comptroller.

The total amount of requisitions drawn by the Department on the Comptroller during the week is \$38,020.91.

D. LOWBER SMITH, Deputy Commissioner of Public Works.

EXECUTIVE DEPARTMENT.

MAYOR'S MARSHAL'S OFFICE.
New York, April 28, 1888.
Number of licenses issued and amounts received therefor, in the week ending Friday, April 27, 1888.

DATE.	NUMBER OF LICENSES.	AMOUNTS.
Saturday, April 21.....	68	\$100 00
Monday, " 23.....	228	816 50
Tuesday, " 24.....	235	363 25
Wednesday, " 25.....	222	308 50
Thursday, " 26.....	234	350 50
Friday, " 27.....	254	352 75
Totals.....	1,241	\$2,591 50

THOMAS W. BYRNES,
Mayor's Marshal.

MAYOR'S OFFICE,
New York, February 10, 1888.

I, Abram S. Hewitt, Mayor of the City of New York, pursuant to the provisions of chapter 10 of the Laws of 1888, do hereby designate the Sun, Herald, Times, World, Star, Tribune, Journal, Press, Evening Post, Commercial Advertiser, Graphic, Telegram, Evening Sun, Evening World, Mail and Express, Staats Zeitung, New Yorker Zeitung and Daily News as the newspapers in which the advertisements provided for in said act may be printed.
(Signed), ABRAM S. HEWITT,
Mayor.

CITY COURT—TRIAL TERM,
PART I.

In view of the alterations going on in the old City Hall, the April term of Part I. of the City Court will be held in room known as Part III. of the Superior Court in the New Court-house.
By order of the Court.

MICHAEL T. DALY,
Clerk.

CIVIL SERVICE SUPERVISORY
AND EXAMINING BOARDS.

CITY OF NEW YORK—CIVIL SERVICE
SUPERVISORY AND EXAMINING BOARDS,
SECRETARY'S OFFICE,
ROOM 11, CITY HALL,
NEW YORK, June 3, 1887.

THOMAS COSTIGAN, Esq.,
Supervisor City Record:

DEAR SIR—The following amendment to Regulation 16 of the New York City Civil Service Regulations has been made:
If the appointing officer shall notify the Secretary of more than one vacancy at any one time, the Secretary shall certify to the appointing officer for appointment, the names of as many persons as there are vacancies to be filled, with the addition of two names for the first vacancy and one name for every two vacancies in addition to the first.

Yours respectfully,
LEE PHILLIPS,
Secretary and Executive Officer.

CITY OF NEW YORK—CIVIL SERVICE
SUPERVISORY AND EXAMINING BOARDS,
SECRETARY'S OFFICE,
ROOM 11, CITY HALL,
NEW YORK, May 31, 1887.

THOMAS COSTIGAN, Esq.,
Supervisor:

DEAR SIR—The following resolution was passed by the Supervisory Board at their meeting, held May 27, 1887:
Resolved, That in view of the inadequate space in the Secretary's office and in order to enable him more readily to discharge the business of the same, the Secretary is authorized to arrange the business of the office so that the same shall be open for personal interviews with applicants and the public during a part of the day only.

Pursuant to the above action, I hereby designate the two hours between 2 and 4 o'clock in afternoon as the time for which the offices shall be open for personal interviews with applicants and the public.

Very respectfully,
LEE PHILLIPS,
Secretary and Executive Officer.

OFFICIAL DIRECTORY.

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

EXECUTIVE DEPARTMENT.

Mayor's Office.

No. 6 City Hall, 10 A. M. to 3 P. M.
ABRAM S. HEWITT, Mayor. ARTHUR BERRY,
Secretary and Chief Clerk.

Mayor's Marshal's Office.

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

COMMISSIONERS OF ACCOUNTS.

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

AQUEDUCT COMMISSIONERS.

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

BOARD OF ARMORY COMMISSIONERS.

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

LEGISLATIVE DEPARTMENT.

Office of Clerk of Common Council.

No. 8 City Hall, 10 A. M. to 4 P. M.
GEORGE H. FORSTER, President Board of Aldermen.
FRANCIS J. TWOMEY, Clerk Common Council.

City Library.

No. 12 City Hall, 10 A. M. to 4 P. M.
D. N. CARVALHO, City Librarian.

DEPARTMENT OF PUBLIC WORKS.

Commissioner's Office.

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

Bureau of Chief Engineer.

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

Bureau of Water Register.

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

Bureau of Street Improvements.

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

Engineer-in-Charge of Sewers.

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

Bureau of Repairs and Supplies.

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

Bureau of Water Purveyor.

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

Bureau of Lamps and Gas.

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

Bureau of Streets.

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

Bureau of Incumbrances.

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

Keeper of Buildings in City Hall Park.
MARTIN J. KEENE, City Hall.

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.

Auditing Bureau.

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

Bureau for the Collection of Assessments and Arrears
of Taxes and Assessments and of Water Rents.
Nos. 31, 33, 35, 37, 39 Stewart Building, Chambers
street and Broadway, 9 A. M. to 4 P. M.
ARTEMAS S. CADY, Collector of Assessments and
Clerk of Arrears.

Bureau for the Collection of City Revenue and of
Mortgages.
Nos. 1 and 3 Stewart Building, Chambers street and
Broadway, 9 A. M. to 4 P. M.
JAMES J. KELSO, Collector of the City Revenue and
Superintendent of Markets.
GRAHAM MCADAM, Chief Clerk.

Bureau for the Collection of Taxes.
No. 57 Chambers street and No. 35 Reade street,
Stewart Building.
GEORGE W. McLEAN, Receiver of Taxes; ALFRED
VREDENBURGH, Deputy Receiver of Taxes.

Bureau of the City Chamberlain.
Nos. 25, 27 Stewart Building, Chambers street and
Broadway, 9 A. M. to 4 P. M.
WM. M. IVINS, City Chamberlain.

Office of the City Paymaster.
No. 33 Reade street, Stewart Building.
JOHN H. TIMMERMAN, City Paymaster.

LAW DEPARTMENT.

Office of the Counsel to the Corporation.
Staats Zeitung Building, third floor, 9 A. M. to 5 P. M.
Saturdays, 9 A. M. to 4 P. M.
HENRY K. BERKMAN, Counsel to the Corporation
ANDREW T. CAMPBELL, Chief Clerk.

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

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

POLICE DEPARTMENT.

Central Office.

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

DEPARTMENT OF CHARITIES AND CORRECTION.

Central Office.

No. 66 Third avenue, corner Eleventh street, 9 A. M. to 4 P. M.
CHARLES E. SIMMONS, President; GEORGE F. BRITTON,
Secretary.
Purchasing Agent, FREDERICK A. CUSHMAN. Office
hours, 9 A. M. to 4 P. M. Closed Saturdays, 12 M.
Contracts, Proposals and Estimates for Work and Ma-
terials for Building, Repairs and Supplies, Bills and
Accounts, 9 A. M. to 4 P. M. Closed Saturdays, 12 M.
RUFUS L. WILDER, General Bookkeeper and Auditor.

FIRE DEPARTMENT.

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

Headquarters.

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

Bureau of Chief of Department.

CHARLES O. SHAY, Chief of Department.

Bureau of Inspector of Combustibles.

PETER SEERY, Inspector of Combustibles.

Bureau of Fire Marshal.

GEORGE H. SHELTON, Fire Marshal.

Bureau of Inspection of Buildings.

ALBERT F. D'OECH, Superintendent of Buildings.

Attorney to Department.

WM. L. FINDLEY.

Fire Alarm Telegraph.

J. ELLIOT SMITH, Superintendent
Central Office open at all hours.

Repair Shops.

Nos. 128 and 130 West Third street.
JOHN CASTLES, Foreman-in-Charge, 8 A. M. to 5 P. M.

Hospital Stables.

Ninety-ninth street, between Ninth and Tenth avenues.
JOSEPH SHEA, Foreman-in-Charge.
Open at all hours.

HEALTH DEPARTMENT.

No. 301 Mott street, 9 A. M. to 4 P. M.
JAMES C. BAYLES, President; EMMONS CLARK,
Secretary.

DEPARTMENT OF PUBLIC PARKS.

Emigrant Industrial Savings Bank Building, Nos. 49
and 51 Chambers street, 9 A. M. to 4 P. M.
M. C. D. BORDEN, President; CHARLES DE F. BURNS,
Secretary.

Civil and Topographical Office.

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

Office of Superintendent of 23d and 24th Wards.

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

DEPARTMENT OF DOCKS.

Battery, Pier A, North River, 9 A. M. to 4 P. M.
L. J. N. STARK, President; G. KEMBLE, Secretary.
Office hours from 9 A. M. to 4 P. M. daily, except Satur-
days; on Saturdays as follows: from October 1 to June
1, from 9 A. M. to 3 P. M.; from June 1 to September 30,
from 9 A. M. to 12 M.

DEPARTMENT OF TAXES AND ASSESSMENTS.

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

Office Bureau Collection of Arrears of Personal Taxes
Brown-stone Building, City Hall Park, 9 A. M. to 4 P. M.
CHARLES S. BEARDSLEY, Attorney; WILLIAM COM-
ERFORD, Clerk.

DEPARTMENT OF STREET CLEANING.

49 and 51 Chambers street. Office hours, 9 A. M. to 4 P. M.
JAMES S. COLEMAN, Commissioner; JACOB SEAROLD,
Deputy Commissioner; R. W. HORNOR, Chief Clerk.

CIVIL SERVICE SUPERVISORY AND EXAMIN-
ING BOARDS.

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

BOARD OF ESTIMATE AND APPORTIONMENT.

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

BOARD OF ASSESSORS.

Office City Hall, Room No. 115, 9 A. M. to 4 P. M.
EDWARD GILON, Chairman; WM. H. JASPER, Secretary.

BOARD OF EXCISE

No. 54 Bond street, 9 A. M. to 4 P. M.
CHARLES H. WOODMAN, President; DAVID S. WHITT
Secretary and Chief Clerk.

SHERIFF'S OFFICE.

Nos. 3 and 4 New County Court-house, 9 A. M. to 4 P. M.
HUGH J. GRANT, Sheriff; JOHN B. SEXTON, Under
Sheriff; BERNARD F. MARTIN, John Arrest Clerk.

REGISTER'S OFFICE.

East side City Hall Park, 9 A. M. to 4 P. M.
JAMES J. SLEVIN, Register; JAMES J. MARTIN, Deputy
Register.

COMMISSIONER OF JURORS.

Room 127, Stewart Building, Chambers street and
Broadway, 9 A. M. to 4 P. M.
CHARLES REILLY, Commissioner; JAMES E. CONNER,
Deputy Commissioner.

COUNTY CLERK'S OFFICE.

Nos. 7 and 8 New County Court-house, 9 A. M. to 4 P. M.
JAMES A. FLACK, County Clerk; THOMAS F. GILROY,
Deputy County Clerk.

DISTRICT ATTORNEY'S OFFICE.

Second floor, Brown-stone Building, City Hall Park,
9 A. M. to 4 P. M.
JOHN R. FELLOWS, District Attorney; JAMES MCCABE,
Chief Clerk.

THE CITY RECORD OFFICE.

And Bureau of Printing, Stationery, and Blank Books
No. 2 City Hall, 9 A. M. to 5 P. M., except Saturdays, on which days 9 A. M. to 3 P. M.
THOMAS COSTIGAN, Supervisor; R. P. H. ABELL, Book-keeper.

CORONERS' OFFICE.

Nos. 13 and 15 Chatham street, 8 A. M. to 5 P. M. Sundays and holidays, 9 A. M. to 12:30 P. M.
MICHAEL J. B. MESSEMER, FERDINAND BARRY, FERDINAND EDMAN, JOHN R. NUGENT, Coroners; JOHN T. TOAL, Clerk of the Board of Coroners.

SUPREME COURT.

Second floor, New County Court-house, opens at 10:30 A. M.
CHARLES H. VAN BRUNT, Presiding Justice; JAMES A. FLACK, Clerk; THOMAS F. GILROY, Deputy County Clerk.
General Term, Room No. 9, WILLIAM LAMB, Jr., Clerk, Special Term, Part I, Room No. 10, HUGH DONNELLY, Clerk.
Special Term, Part II, Room No. 18, WILLIAM J. HILL, Clerk.
Chambers, Room No. 11, WALTER BRADY, Clerk.
Circuit, Part I, Room No. 12, SAMUEL BARRY, Clerk.
Circuit, Part II, Room No. 14, JOHN B. MCGOLDRICK, Clerk.
Circuit, Part III, Room No. 13, GEORGE F. LYON, Clerk.
Circuit, Part IV, Room No. 15, J. LEWIS LYON, Clerk.
Judges' Private Chambers, Rooms Nos. 19 and 20, EDWARD J. KNIGHT, Librarian.

SUPERIOR COURT.

Third floor, New County Court-house, 11 A. M.
General Term, Room No. 35.
Special Term, Room No. 33.
Chambers, Room No. 33, 10 A. M.
Part I, Room No. 34.
Part II, Room No. 35.
Part III, Room No. 36.
Judges' Private Chambers, Room No. 30.
Naturalization Bureau, Room No. 32.
Clerk's Office, Room No. 31, 9 A. M. to 4 P. M.
JOHN SEDGWICK, Chief Judge; THOMAS BOESE, Chief Clerk.

THE COLLEGE OF THE CITY OF NEW YORK.

SEALED PROPOSALS WILL BE RECEIVED at the office of the Secretary, Hall of the Board of Education, No. 146 Grand street, until Thursday, May 10, 1888, at 4 o'clock P. M., for Plymouth Red Ash Coal, as follows:

300 tons Broken.
25 tons Stone.
Two thousand two hundred and forty (2,240) pounds to the ton, to be delivered in the bins of the College, at Lexington avenue and Twenty-third street, in quantities as required, not less than 100 tons at a time.

Proposals must be directed to the Executive Committee of the College of the City of New York.

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

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

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

CHARLES L. HOLT,
A. COLE,
R. M. GALLAWAY,
WILLIAM LUMMIS,
MILES M. O'BRIEN,
HENRY L. SPRAGUE,
ED. J. H. TAMSEN,
ALEX. S. WEBB,
WILLIAM WOOD,
Executive Committee.

Dated New York, April 26, 1888.

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 2419, No. 1. Regulating, grading, setting curbstones and flagging the sidewalks four feet wide and laying crosswalks in East One Hundred and Thirty-seventh street, between the easterly curb-line of North Third avenue and the westerly curb-line of Brook avenue.
List 2588, No. 2. Regulating, grading, setting curb and gutter-stones, flagging the sidewalks four feet wide and laying crosswalks in East One Hundred and Thirty-eighth street, between the easterly curb-line of North Third avenue and the westerly curb-line of Union avenue.
List 2589, No. 3. Regulating, grading, setting curb and gutter-stones, flagging the sidewalks four feet wide and laying crosswalks in East One Hundred and Thirty-eighth street, between the easterly curb-line of the Boston road and the westerly curb-line of Union avenue.

List 2591, No. 4. Regulating, grading, setting curbstones and flagging the sidewalks four feet wide and laying crosswalks in East One Hundred and Sixty-fourth street, from Boston avenue to Trinity avenue or Delmonico place.
List 2603, No. 5. Paving with granite-blocks Ninth avenue, from Seventy-seventh to One Hundred and Tenth street.

The limits embraced by such assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on—
No. 1. Both sides of One Hundred and Thirty-seventh street, between North Third and Brook avenues, and to the extent of half the block at the intersection of Brown place.
No. 2. Both sides of One Hundred and Thirty-eighth street, from St. Ann's avenue to Mott Haven canal, and to the extent of half the block at the intersecting avenues, and extending on the west side of College avenue north of One Hundred and Thirty-eighth street about 800 feet and south of One Hundred and Thirty-eighth street about 415 feet.
No. 3. Both sides of One Hundred and Sixty-eighth street, from Boston road to Union avenue, and to the extent of half the block at the intersecting avenues.
No. 4. Both sides of One Hundred and Sixty-fourth street, from Boston avenue to Trinity avenue.
No. 5. Both sides of One Hundred and Sixty-fourth street, from Boston avenue to Trinity avenue, from a point distant 200 feet south of Seventy-seventh street to One Hundred and Tenth street, and to the extent of half the block at the intersecting streets.

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

The above-described lists will be transmitted, as provided by law, to the Board of Revision and Correction of Assessments for confirmation, on the 31st day of May, 1888.

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

OFFICE OF THE BOARD OF ASSESSORS,
No. 11½ CITY HALL,
NEW YORK, April 30, 1888.

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 2576, No. 1. Regulating, grading, setting curbstones and flagging Eighty-seventh street, from the Boulevard to West End avenue.
List 2590, No. 2. Regulating, grading, setting curbstones and flagging Ninetieth street, from the Boulevard to Riverside Drive.
List 2630, No. 3. Paving with trap-block pavement One Hundred and Fourth street, from Ninth avenue to the Boulevard.

List 2634, No. 4. Regulating, grading, curbing and flagging One Hundred and Forty-second street, from the Boulevard to Hamilton place.

The limits embraced by such assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on—
No. 1. Both sides of Eighty-seventh street, from the Boulevard to West End avenue, and to the extent of half the block at the intersecting avenues.
No. 2. Both sides of Ninetieth street, from the Boulevard to Riverside Drive, and to the extent of half the block at the intersecting avenues.
No. 3. Both sides of One Hundred and Fourth street, from the Ninth avenue to the Boulevard, and to the extent of half the block at the intersecting avenues.
No. 4. Both sides of One Hundred and Forty-second street, from the Boulevard to Hamilton place, and to the extent of half the block at the intersecting avenues.

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

The above-described lists will be transmitted, as provided by law, to the Board of Revision and Correction of Assessments for confirmation, on the 31st day of May, 1888.

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

OFFICE OF THE BOARD OF ASSESSORS,
No. 11½ CITY HALL,
NEW YORK, April 25, 1888.

HEALTH DEPARTMENT.

HEALTH DEPARTMENT, No. 301 MOTT STREET,
NEW YORK, January 31, 1888.

AT A MEETING OF THE BOARD OF HEALTH of the Health Department of the City of New York, held at its office, No. 301 Mott street, January 27, 1888, the following resolution was adopted:

Resolved, That section 13 of the Sanitary Code be and is hereby amended so as to read as follows:

Sec. 13. That no owner or lessee of any building, or any part thereof, shall lease, or let, or hire out, or occupy any portion thereof, to be occupied by any person, or allow the same to be occupied, as a place in which, or for any one, to dwell or lodge, except when said building or such parts thereof are sufficiently lighted, ventilated, provided and accommodated, and are in all respects in that condition of cleanliness and wholesomeness, for which this Code or any law of this State provides, or in which they or either of them require any such premises to be kept. Nor shall any such person rent, let, hire out, or allow, having power to prevent the same, to be used as or for a place of sleeping or residence, any portion of any building, which is not a sleeping apartment or portion has not at least one foot of its height and space above the level of every part of the sidewalk and curbstone of any adjacent street, nor of which the floor is damp by reason of water from the ground, or which is impregnated or penetrated by any offensive gas, smell, or exhalation prejudicial to health. But this section shall not prevent the leasing, renting, or occupancy of cellars or rooms below the elevated floor level, and as a part of any building rented or let, when they are not let or intended to be occupied or used by any person as a sleeping apartment, or as a principal or sole dwelling apartment.

JAMES C. BAYLES, President.

EMMONS CLARK,
Secretary.

FIRE DEPARTMENT.

HEADQUARTERS FIRE DEPARTMENT,
CITY OF NEW YORK,
157 AND 159 EAST SIXTY-SEVENTH STREET,
NEW YORK, April 14, 1888.

TO CONTRACTORS.

SEALED PROPOSALS FOR FURNISHING THE materials and labor, and doing the work required in repairing one second size Amoskeag straight steam fire engine, (registered number 302, formerly in service with Engine Company No. 2 of this Department), and fitting the same with a boiler of the "La France nest tube" pattern, will be received by the Board of Commissioners at the head of the Fire Department, at the office of its presentation, No. 157 and 159 East Sixty-seventh street, in the City of New York, until 10 o'clock A. M., Wednesday, May 2, 1888, 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 sixty (60) 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 its completion thereof shall have expired, are fixed and liquidated at fifteen (15) 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 her 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 not to be taken into consideration in any way; and that no member of the Common Council, Head of a Department, Chief of a Bureau, Deputy thereof or Clerk thereof, or other officer of the Corporation, is directly or indirectly interested therein, or in the 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, by their respective places of business or residence, to the effect that if the contract be awarded to the person or persons named in the estimate, on its being so awarded, become bound as sureties for its faithful performance, in the sum of nine hundred (900) 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, for taxes 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 accuracy 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 shall be considered unless accompanied by either a certified check upon one of the National Banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of forty-five (45) dollars. Such check or money must not be included 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-book, and no 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 neglect 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 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 let as provided by law.

HENRY D. PURROY, President,
RICHARD CROKER, Commissioners.

HEADQUARTERS FIRE DEPARTMENT,
Nos. 157 & 159 EAST SIXTY-SEVENTH STREET,
NEW YORK.

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

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

CARL JUSSEN,
Secretary.

DEPARTMENT OF DOCKS.

(Work of construction under new plan.)

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

TO CONTRACTORS.

(No. 273.)

PROPOSALS FOR ESTIMATES FOR REMOVING THE EXISTING PIER KNOWN AS PIER 46, AT THE FOOT OF JEFFERSON STREET, EAST RIVER, AND FOR PREPARING FOR AND BUILDING A NEW WOODEN PIER AND APPROACH, WITH CURTAIN WALLS, ON THE SITE OF SAID PIER, TO BE KNOWN AS PIER, NEW 36, EAST RIVER; AND FOR REPAIRING THE EXISTING CRIB-BULKHEAD THERE-AT.

ESTIMATES FOR BUILDING A NEW WOODEN Pier, including an Approach, with their appendances, including a Sewer-box, at the foot of Jefferson street, East river, in place of Pier 46, East river; and for repairing the bulkhead at the foot of Jefferson street, East 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 place, North river, in the City of New York, until 12 o'clock M.

THURSDAY, MAY 10, 1888.

at which time and place the estimates will be publicly opened by the head of said Department. The award of the contract, if bid is offered, 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 (\$8,000) Dollars.

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

CLASS I.—CRIB-BULKHEAD.

1. New cribwork complete, including all logs, timbers, spikes, stone-filling, fenders, mooring-posts, etc., measured from the top of the caps to the top of the longitudinal ties..... 2,575 cubic feet.

2. Yellow Pine Timber, 12" x 12"..... 4,230
" " 5" x 10"..... 150
Total..... 4,380

NOTE.—The above quantities of timber are exclusive of extra lengths required for scarfs, laps, etc., and of waste.

3. White Pine, Yellow Pine, Cypress or Spruce Piles..... 45

(It is expected that these piles will have to be about 40 feet long, to meet the requirements of the specifications for driving.)

4. Square Wrought-iron Dock Spikes, in caps and gutter-boxes, about..... 275 pounds.

5. Labor and materials for Relying Old Pavement for about..... 74 square yds.

6. Labor and materials for Laying New Pavement, about..... 33 "

7. Labor of Excavating Old Cribwork and disposal of material, about..... 54 cubic yards.

8. Labor and material for Back Filling, about..... 27 "

9. Labor of framing and carpentry, including all moving of timber, joisting, planing, bolting, spiking, etc., as set forth in the specifications.

CLASS II.—NEW PIER AND APPROACH AND SEWER BOX.

(a.) New Pier and Approach—

1. Yellow Pine Timber, 12" x 12"..... 4,646
" " 5" x 10"..... 600
Total..... 5,246

NOTE.—The above quantities of timber will require to be in lengths of over 36 feet to meet the requirements of the specifications.

Feet, B. M., measured in the work.

Yellow Pine Timber, 12" x 14"..... 4,595
" " 12" x 12"..... 101,584
" " 10" x 12"..... 1,607
" " 10" x 10"..... 450
" " 8" x 12"..... 135
" " 8" x 10"..... 1,030
" " 8" x 12"..... 310
" " 8" x 10"..... 145
" " 8" x 8"..... 9,045
" " 7" x 14"..... 397
" " 7" x 12"..... 798
" " 7" x 9"..... 189
" " 6" x 12"..... 5,688
" " 5" x 12"..... 8,565
" " 5" x 11"..... 1,609
" " 5" x 10"..... 13,775
" " 5" x 9"..... 146
" " 4" x 12"..... 1,240
" " 4" x 10"..... 57,200
" " 2" x 4"..... 2,965
Total..... 270,313

NOTE.—The above quantities of timber may be in lengths of less than 36 feet.

Feet, B. M., measured in the work.

3. Spruce Timber, 4" plank..... 46,773
" " 3"..... 26,131
Total..... 62,904

NOTE.—The above quantities of timber, in items 1 and 2, 3 and 4, are exclusive of extra lengths required for scarfs, laps, etc., and of waste.

4. White Oak Timber, 8" x 12"..... 8,736

5. White Pine, Yellow Pine or Cypress Piles for Pier..... 319
(It is expected that these piles will have to be from about 55 feet in length to about 75 feet in length, to meet the requirements of the specifications for driving.)

6. White Pine, Yellow Pine, Cypress or Spruce Piles for Approach..... 96
(It is expected that these piles will have to be from about 50 feet in length to about 55 feet in length, to meet the requirements of the specifications for driving.)

7. White Oak Fender Piles, about 55 feet long..... 10
8. Yellow or White Pine Mooring Piles, about 65 feet long..... 4

9. 7/8" x 28", 3/4" x 26", 3/4" x 24", 3/4" x 22", 3/4" x 20", 3/4" x 18", 3/4" x 16", 3/4" x 14", 3/4" x 12", 3/4" x 10", 3/4" x 8", 3/4" x 6", 3/4" x 4", 3/4" x 3", 3/4" x 2", 3/4" x 1", 3/4" x 1/2", 3/4" x 1/4", 3/4" x 1/8", 3/4" x 1/16", 3/4" x 1/32", 3/4" x 1/64", 3/4" x 1/128", 3/4" x 1/256", 3/4" x 1/512", 3/4" x 1/1024", 3/4" x 1/2048", 3/4" x 1/4096", 3/4" x 1/8192", 3/4" x 1/16384, 3/4" x 1/32768, 3/4" x 1/65536, 3/4" x 1/131072, 3/4" x 1/262144, 3/4" x 1/524288, 3/4" x 1/1048576, 3/4" x 1/2097152, 3/4" x 1/4194304, 3/4" x 1/8388608, 3/4" x 1/16777216, 3/4" x 1/33554432, 3/4" x 1/67108864, 3/4" x 1/134217728, 3/4" x 1/268435456, 3/4" x 1/536870912, 3/4" x 1/1073741824, 3/4" x 1/2147483648, 3/4" x 1/4294967296, 3/4" x 1/8589934592, 3/4" x 1/17179869184, 3/4" x 1/34359738368, 3/4" x 1/68719476736, 3/4" x 1/137438953472, 3/4" x 1/274877906944, 3/4" x 1/549755813888, 3/4" x 1/1099511627776, 3/4" x 1/2199023255552, 3/4" x 1/4398046511104, 3/4" x 1/8796093022208, 3/4" x 1/17592186044416, 3/4" x 1/35184372088832, 3/4" x 1/70368744177664, 3/4" x 1/140737488355328, 3/4" x 1/281474976710656, 3/4" x 1/562949953421312, 3/4" x 1/1125899906842624, 3/4" x 1/2251799813685248, 3/4" x 1/4503599627370496, 3/4" x 1/9007199254740992, 3/4" x 1/18014398509481984, 3/4" x 1/36028797018963968, 3/4" x 1/72057594037927936, 3/4" x 1/144115188075855872, 3/4" x 1/288230376151711744, 3/4" x 1/576460752303423488, 3/4" x 1/1152921504606846976, 3/4" x 1/2305843009213693952, 3/4" x 1/4611686018427387904, 3/4" x 1/9223372036854775808, 3/4" x 1/18446744073709551616, 3/4" x 1/36893488147419103232, 3/4" x 1/73786976294838206464, 3/4" x 1/147573952589676412928, 3/4" x 1/295147905179352825856, 3/4" x 1/590295810358705651712, 3/4" x 1/1180591620717411303424, 3/4" x 1/2361183241434822606848, 3/4" x 1/4722366482869645213696, 3/4" x 1/9444732965739290427392, 3/4" x 1/18889465931478580854784, 3/4" x 1/37778931862957161709568, 3/4" x 1/75557863725914323419136, 3/4" x 1/151115727451828646838272, 3/4" x 1/302231454903657293676544, 3/4" x 1/604462909807314587353088, 3/4" x 1/1208925819614629174706176, 3/4" x 1/2417851639229258349412352, 3/4" x 1/4835703278458516698824704, 3/4" x 1/9671406556917033397649408, 3/4" x 1/19342813113834066795298816, 3/4" x 1/38685626227668133590597632, 3/4" x 1/77371252455336267181195264, 3/4" x 1/154742504910672534362390528, 3/4" x 1/309485009821345068724781056, 3/4" x 1/618970019642690137449562112, 3/4" x 1/1237940039285380274899124224, 3/4" x 1/2475880078570760549798248448, 3/4" x 1/4951760157141521099596496896, 3/4" x 1/9903520314283042199192993792, 3/4" x 1/19807040628566084398385987584, 3/4" x 1/39614081257132168796771975168, 3/4" x 1/79228162514264337593543950336, 3/4" x 1/158456325028528675187087900672, 3/4" x 1/316912650057057350374175801344, 3/4" x 1/633825300114114700748351602688, 3/4" x 1/126765060022822

performed, at the price 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 within five days after the date of the contract and all the work contracted for is to be fully completed on or before the 17th day of September, 1888, or within as many days thereafter as the site of the new pier and approach shall be occupied by the Department of Docks in dredging, 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, and, by a clause in the contract, determined, fixed and liquidated at Fifty Dollars per day.

All the old material taken from the said pier and bulkhead to be removed under this contract will be relinquished to the Contractor, and bidders must estimate the value of such material when considering the price 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. The award of the contract, if awarded, will be made to the bidder who is the lowest for doing the whole of the work, and in the three classes, and whose estimate is regular in all respects.

Bidders will distinctly write out, both in words and in figures, the amount of their estimates for doing each class of the 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 after the date of the award, and in default of that effect; and in case of failure or neglect to do so, he or they will be considered as having abandoned it, and in default to the Corporation; and the contract will be re-awarded to the lowest bidder, 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 in the same, and if no other person is 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 the bidder is not connected with the contractor or fraud; and also that no member of the Common Council, Head of a Department, Chief of a Bureau, Deputy thereof, or Clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof; which estimate must be verified by the oath, in writing, of the party making the estimate, that the several matters stated therein are in all respects true, *where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.*

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person or persons making the estimate, they will, on its being so awarded, become bound as his or their sureties for its faithful performance; and that if said person or persons shall omit or refuse to execute the contract, they will pay to the Corporation of the City of New York any and all sums which may be lawfully demanded by the Corporation, and that said person or persons would be entitled upon its completion, and that said Corporation may be obliged to pay to the person to whom the contract may be awarded any subsequent claim or demand, which may be made by the Corporation, and that the said person or persons would be liable to the Corporation for the same, and that he or she has offered himself as 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 determined by the Board of Estimate and Apportionment 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 on the day 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 is together with the specifications, including specifications, and showing the manner of payment for the work, can be obtained upon application therefor at the office of the Department.

LUCIUS J. N. STARK,
JAMES MATTHEWS,
CHARLES H. MARSHALL,
Commissioners of the Department of Docks.

Dated New York, April 27, 1888.

DEPARTMENT OF PUBLIC PARKS.
DEPARTMENT OF PUBLIC PARKS,
Nos. 40 and 41 CHAMBERS STREET,
New York, April 20, 1888.

AUCTION SALE.

PUBLIC NOTICE IS HEREBY GIVEN THAT the buildings, fences, etc., standing within the lines of Railroad avenue, east, from the Harlem river to One Hundred and Sixty-fourth street, in the Twenty-third Ward, as opened by a proceeding confirmed by the Supreme Court, August 18, 1887, and affirmed February 9, 1888, and on Sedgwick avenue, between Boston and Van Cortlandt avenues, in the Twenty-fourth Ward, confirmed July 20, 1885, will be sold at public auction by Van Tassel & Kearney, Auctioneers, on Monday, May 7, 1888.

The sale will commence at 10 o'clock A. M., on the ground in front of premises Number 1 on the catalogue, and situated on Railroad avenue, east, near Mott avenue. For the terms of sale and further particulars giving dimensions of the buildings and parts of buildings, etc., to be sold, see catalogue, which may be obtained at the office of the Department of Public Parks, and on the ground the day of the sale.

By order of the Commissioners of Public Parks.
CHARLES DE F. BURNS,
Secretary.

DEPARTMENT OF TAXES AND ASSESSMENTS.

DEPARTMENT OF TAXES AND ASSESSMENTS,
STATES ZETTING BUILDING,
NEW YORK.

IN COMPLIANCE WITH SECTION 817 OF THE 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 1888, will be open for examination and correction from the second Monday of January, 1888, until the first day of May, 1888.

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., at this office, during the same period.

MICHAEL COLEMAN,
EDWARD C. DONNELLY,
THOMAS L. FEITNER,
Commissioners of Taxes and Assessments.

POLICE DEPARTMENT.

POLICE DEPARTMENT OF THE CITY OF NEW YORK,
No. 300 MULBERRY STREET,
NEW YORK, April 18, 1888.

PUBLIC NOTICE IS HEREBY GIVEN THAT two horses, the property of this Department, will be sold at public auction on Tuesday, May 1, 1888, at 10 o'clock A. M., by Van Tassel & Kearney, Auctioneers, at their stables, No. 110 East Thirtieth street.

WM. H. KIPP,
Chief Clerk.

POLICE DEPARTMENT—CITY OF NEW YORK,
OFFICE OF THE PROPERTY CLERK (Room No. 9),
No. 300 MULBERRY STREET,
NEW YORK, 1887.

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 the police of this Department.

JOHN F. HARRIOT,
Property Clerk.

FINANCE DEPARTMENT.

PROPOSALS FOR \$358,000 CONSOLIDATED STOCK OF THE CITY OF NEW YORK, KNOWN AS SCHOOL-HOUSE BONDS.

EXEMPT FROM TAXATION.

INTEREST THREE PER CENT. PER ANNUM.

SEALED PROPOSALS WILL BE RECEIVED BY the Comptroller of the City of New York, at his office, until Tuesday, the 15th day of May, 1888, at 2 o'clock P. M., when they will be publicly opened in the presence of the Commissioners of the Sinking Fund, or such of them as shall attend, as provided by law, for the whole or a part of an issue of Three Hundred and Fifty-eight Thousand Dollars (\$358,000), Registered Stock, denominated

CONSOLIDATED STOCK

of the City of New York, and known as "School-house Bonds," the principal payable in lawful money of the United States of America, at the Comptroller's office of the City of New York, on the first day of November, for the year of THOUSAND EIGHT HUNDRED AND NINETY-SEVEN, with interest at the rate of THREE PER CENTUM per annum, payable semi-annually on the first day of May and November in each year.

The said stock is issued in pursuance of the provisions of section 132 of the New York City Consolidation Act of 1882, chapter 458 of the Laws of 1884, chapter 404 of the Laws of 1885, and chapter 456 of the Laws of 1886, for the purchase of new school sites, for the erection of new school buildings, and for fitting up and furnishing the same for the use of the Common Schools of the City of New York, and is

EXEMPT FROM TAXATION

by the City and County of New York, but not from State Taxation, pursuant to the provisions of section 137 of the New York City Consolidation Act of 1882, and under an ordinance of the Common Council of said City, approved by the Mayor October 2, 1880, and a resolution of the Sinking Fund, adopted June 17, 1887, and as authorized by a resolution of the Board of Estimate and Apportionment, adopted on June 16, 1887, in pursuance of a resolution adopted by the Board of Education May 4, 1887.

CONDITIONS.

Section 146 of the New York City Consolidation Act of 1882 provides that, "The Comptroller, with the approval of the Commissioners of the Sinking Fund, shall determine what, if any, part of said proposals shall be accepted, and upon the payment into the City Treasury of the amounts due by the persons whose bids are accepted, respectively, certificates therefor shall be issued to them as authorized by law"; and provided also, "that no proposals for bonds or stocks shall be accepted for less than the par value of the same."

Those persons whose bids are accepted will be required to deposit with the City Chamberlain the amount of stock awarded to them at its par value, together with the premium thereon, within three days after notice of such acceptance.

The proposals should be enclosed in a sealed envelope, indorsed "School-house Bonds" of the Corporation of the City of New York, and each proposal should also be enclosed in a second envelope, addressed to the Comptroller of the City of New York.

THEO. W. MYERS,
Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, April 30, 1888.

CITY OF NEW YORK,

FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE,
April 26, 1888.

NOTICE TO PROPERTY-OWNERS.

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

Attorney street sewer, between Broome and Delancy streets.

Counties Slip widening sidewalks, setting curb-stones and flagging both sides, from Front to South street.

Avenue B sewers, between Fifteenth and Sixteenth streets, and between Seventeenth and Eighteenth streets.

Clarendon avenue regulating, grading, setting curb-stones and flagging sidewalks, from One Hundred and Sixteenth to One Hundred and Twenty-second street.

Clifton street regulating, grading, setting curb and gutter stones and flagging sidewalks four feet wide, and laying crosswalks, from St. Ann's avenue to Union avenue.

Courtland avenue paving with trap-blocks, from North Third avenue to One Hundred and Fifty-sixth street.

Kingsbridge road regulating, grading, setting curb-stones and flagging sidewalks, from One Hundred and Fifty-fifth to One Hundred and Ninetieth street.

Lexington avenue sewer, between Eighty-ninth and Ninety-first streets, and between Ninety-third and Ninety-fifth streets.

Fourth avenue flagging sidewalks on east side, between One Hundred and Twenty-seventh and One Hundred and Twenty-eighth streets.

Eighty-ninth avenue sewer, between One Hundred and Fifty-third street and Harlem river.

Ninth avenue sewer, east side, between One Hundred and Fifth and One Hundred and Sixth streets.

Eleventh avenue regulating and grading, setting curb and gutter stones, flagging and draining, from One Hundred and Fifty-fifth street to the Kingsbridge road.

Twentieth street and Avenue B receiving-basin, on the southeast corner.

Sixty-fourth street sewer, between Avenue A and East river.

Ninety-seventh street paving with trap-block pavement, from the crosswalk on the west side of Tenth avenue to the crosswalk on the east side of Eleventh avenue.

Sixty-ninth street regulating, grading, resetting curb-stones and relaying flagging, from Eighth to Ninth avenue.

Eighty-first street paving, from the westerly crosswalk of Eighth avenue to the easterly crosswalk of Ninth avenue, with granite-block pavement.

Eighty-fifth street curbing and flagging, between Eighth and Ninth avenues.

Eighty-fifth street paving, from the westerly crosswalk of Avenue B to the easterly crosswalk of Avenue A, with granite-blocks.

Ninety-fifth street regulating, grading, setting curb-stones and flagging sidewalks, from Ninth to Tenth avenue.

Ninety-fifth street paving with trap-block pavement, from the crosswalk on the westerly side of Second avenue to the crosswalk on the westerly side of Third avenue.

Ninety-seventh street paving with trap-block pavement, from the westerly crosswalk of Eighth avenue to the easterly crosswalk of Ninth avenue.

One Hundred and Twenty-second street sewer, between Ninth and Manhattan avenues.

One Hundred and Third street regulating, grading, setting curb-stones and flagging sidewalks, between Ninth and Tenth avenues.

One Hundred and Fifth street fencing vacant lots on south side, between Fourth and Madison avenues.

One Hundred and Fifth street and Tenth avenue receiving-basin, on the northwest corner.

One Hundred and Tenth street changing grade, from First avenue to the Riverside Drive.

One Hundred and Twelfth and One Hundred and Thirtieth streets fencing vacant lots, between Fifth and Sixth avenues.

One Hundred and Twenty-first street regulating, grading, setting curb-stones and flagging sidewalks, from Seventh avenue to Avenue St. Nicholas.

One Hundred and Twenty-second street receiving-basin, on the northeast corner of Seventh avenue.

One Hundred and Twenty-ninth street paving with granite-block pavement, and curbing, between Eighth and Ninth avenues.

One Hundred and Thirty-seventh street fencing vacant lots on the north side, between Eighth and Edgemoor avenues.

One Hundred and Thirty-eighth street regulating, grading, setting curb-stones and flagging, from Convent to Tenth avenue.

One Hundred and Forty-second street sewer, between Seventh and Eighth avenues.

One Hundred and Fifty-fourth street, east, regulating, grading, setting curb and gutter-stones, flagging sidewalks and laying crosswalks, between North Third avenue and Courtland avenue.

One Hundred and Fifty-fifth street paving, from the westerly crosswalk of Ninth avenue to the easterly crosswalk of Tenth avenue.

One Hundred and Third street sewer, between Ninth and Manhattan avenues.

—which were confirmed by the Board of Revision and Correction of Assessments April 17, 1888, and entered on the same date in the Record of Titles of Assessments, and in the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," between the hours of 9 A. M. and 2 P. M., and all payments made thereon, on or before July 1, 1888, will be exempt from the interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

THEODORE W. MYERS,
Comptroller.

CITY OF NEW YORK,
FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE,
April 26, 1888.

NOTICE TO PROPERTY-OWNERS.

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

Irving place sewer, between Fifteenth and Sixteenth streets.

One Hundred and Fifty-eighth street outlet sewer, from Hudson river to and through road or public drive, from One Hundred and Fifty-seventh street, to Tenth avenue, with branches in Tenth avenue, between One Hundred and Fifty-seventh street and Kingsbridge road, in road or public drive and Eleventh avenue, east side, between One Hundred and Fifty-sixth and One Hundred and Fifty-seventh streets, and in One Hundred and Fifty-sixth street between Tenth avenue and road or public drive.

—which were confirmed by the Board of Revision and Correction of Assessments, April 23, 1888, and entered on the same date in the Record of Titles of Assessments, kept in the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," that unless the amount assessed for any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon as provided in section 917 of said "New York City Consolidation Act of 1882."

Section 917 of the said act provides that, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon, at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment."

The above assessments are payable to the Collector of Assessments and Clerk of Arrears at the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," between the hours of 9 A. M. and 2 P. M., and all payments made thereon, on or before July 1, 1888, will be exempt from the interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

THEODORE W. MYERS,
Comptroller.

CITY OF NEW YORK,
FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE,
April 26, 1888.

NOTICE TO PROPERTY-OWNERS.

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

Counties Slip widening sidewalks, setting curb-stones and flagging both sides, from Front to South street.

Avenue B sewers, between Fifteenth and Sixteenth streets, and between Seventeenth and Eighteenth streets.

Clarendon avenue regulating, grading, setting curb-stones and flagging sidewalks, from One Hundred and Sixteenth to One Hundred and Twenty-second street.

Clifton street regulating, grading, setting curb and gutter stones and flagging sidewalks four feet wide, and laying crosswalks, from St. Ann's avenue to Union avenue.

Courtland avenue paving with trap-blocks, from North Third avenue to One Hundred and Fifty-sixth street.

The above assessments are payable to the Collector of Assessments and Clerk of Arrears at the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," between the hours of 9 A. M. and 2 P. M., and all payments made thereon, on or before July 1, 1888, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

THEODORE W. MYERS,
Comptroller.

CORPORATION SALE OF PUBLIC SCHOOL PROPERTY.

THE COMMISSIONERS OF THE SINKING Fund of the City of New York will offer for sale at public auction on Tuesday, the 15th day of May, 1888, at noon, at the Real Estate Exchange and Auction Rooms (Limited), Nos. 59 to 65 Liberty street, the lot, piece or parcel of ground, fifty feet front and rear by sixty-six feet front, with the buildings thereon, known as Primary School No. 18, Ward No. 32, situated on the easterly side of Waverly place, between West Eleventh and Bank streets, in the Ninth Ward of the City of New York. This property is sold pursuant to chapter 59, Laws of 1885 (section 186 of the New York City Consolidation Act of 1882), which provides for the sale of any land or lands and the buildings thereon, owned by the Mayor, Aldermen and Commonality of the City of New York, occupied or reserved for school purposes, and no longer required therefor, the money received in payment to be appropriated to the Board of Education for the purpose of purchasing property or erecting school buildings for new public schools.

TERMS OF SALE.

The auctioneer's fee and ten per cent. of the purchase money to be paid at the time of sale, and the balance in cash within thirty days thereafter on delivery of warranty deed of the property from the Mayor, Aldermen and Commonality of the City of New York.

By order of the Commissioners of the Sinking Fund under a resolution adopted March 28, 1888. The right to reject any bid is reserved.

THEO. W. MYERS,
Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, April 7, 1888.

CORPORATION SALE OF CITY REAL ESTATE.

PUBLIC NOTICE IS HEREBY GIVEN THAT the Commissioners of the Sinking Fund of the City of New York, by virtue of the powers vested in them by law, will offer for sale at public auction, on Tuesday, the 15th day of May, 1888, at noon, at the Real Estate Exchange and Auction Room (Limited), Nos. 59 to 65 Liberty street, certain lots, pieces and parcels of unimproved real estate belonging to the Mayor, Aldermen and Commonality of the City of New York, as follows, to wit:

TWELFTH WARD.

THE OLD CROTON AQUEDUCT, BETWEEN NINTH AND TENTH AVENUES.

1. On Ninety-ninth street, south side, two vacant lots, 25 feet by 100 feet 11 inches each, Block No. 1025, Ward No. 28, one hundred feet west of Ninth avenue. Sales Map, Nos. 1, 2. Lots to be sold separately.
2. On One Hundred and First street, south side, two vacant lots, 25 feet by 100 feet 11 inches each, Block No. 1027, Ward No. 28, one hundred feet west of Ninth avenue. Sales Map, Nos. 3, 4. Lots to be sold separately.
3. On One Hundred and First street, north side, two vacant lots, 25 feet by 100 feet 11 inches each, Block No. 1028, Ward No. 28, one hundred feet west of Ninth avenue. Sales Map, Nos. 5, 6. Lots to be sold separately.
4. On One Hundred and Second street, south side, two vacant lots, 25 feet by 100 feet 11 inches each, Block No. 1028, Ward No. 28, one hundred feet west of Ninth avenue. Sales Map, Nos. 7, 8. Lots to be sold separately.
5. On One Hundred and Second street, north side, two vacant lots, 25 feet by 100 feet 11 inches each, Block No. 1029, Ward No. 28, one hundred feet west of Ninth avenue. Sales Map, Nos. 9, 10. Lots to be sold separately.

MANHATTANVILLE.

Northwest corner of One Hundred and Twenty-ninth street and Twelfth avenue, vacant lot, piece or parcel of land, known as Ward No. 73, Block No. 1286½, in the Twelfth Ward. Sales Map No. 11.

TERMS AND CONDITIONS OF SALE.

The highest bidder will be required to pay ten (10) per cent. of the purchase money and the auctioneer's fee on each lot immediately after the sale; thirty (30) per cent. upon the delivery of the deed, within thirty days from the date of the sale; and the balance, sixty (60) per cent. of the purchase money, or any portion thereof, may remain, at the option of the purchaser, on bond and mortgage, for five years, with interest at the rate of five per centum per annum, payable semi-annually, the mortgages to contain the customary thirty days' interest and ninety days' tax clauses.

The bond and mortgage may be paid off at any time, within the term thereof on giving thirty days' notice to the Comptroller, or it may be paid by installments of not less than five hundred dollars, on any day when the interest is due, or on thirty days' notice, after the bonds and mortgages will be prepared by the Counsel to the Corporation, and the sum of twelve dollars and fifty cents will be charged for drawing, acknowledging and recording each separate mortgage; and more than one lot of land is included in any mortgage, the whole mortgage must be paid off before any release can be given by the Corporation, as a release of any part of the premises included in a mortgage to the Corporation is forbidden by law.

The Comptroller may, at his option, resell any lot which may be struck off to the highest bidder who may fail to comply with the terms of sale, and the party who may fail to comply therewith will be held liable for any deficiency that may result from any such resale.

The right to reject any bid is reserved.

Lithographic maps of the above real estate may be had at the Comptroller's Office, Stewart Building, No. 280 Broadway, after April 20, 1888.

By order of the Commissioners of the Sinking Fund, under resolutions adopted at meetings held March 28 and April 6, 1888.

THEO. W. MYERS,
Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, April 7, 1888.

INTEREST ON CITY BONDS AND STOCKS.

THE INTEREST DUE MAY 1, 1888, ON THE Registered Bonds and Stocks of the City and County of New York, will be paid on that day by the Comptroller, at the office of the City Chamberlain, Room 27, Stewart Building, corner of Broadway and Chambers street.

The Transfer Books will be closed from March 28 to May 1, 1888.

The interest due May 1, 1888, on the Coupon Bonds and Stocks of the City of New York, will be paid on that day at the Western National Bank, Equitable Building, No. 120 Broadway.

THEO. W. MYERS,
Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, March 21, 1888.

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

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

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

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 fifty (50) per cent. of the ESTIMATED amount of the contract.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same; the names of all persons interested with him or them therein; and if no other person be so interested, it shall distinctly state that fact; also that it is made without any connection with any other person making an estimate for the same 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, Clerk therein, or other officer of the Corporation, is directly or indirectly interested therein or in the supplies or work to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate, that the several matters stated therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for its faithful performance; and that if he shall omit or refuse to execute the same, they shall pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of 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 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 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 estimated amount of the contract, for the faithful performance of the contract. Such check or money must not be enclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the Estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits except those of the successful bidder, shall be returned to the person 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 security required by him shall be forfeited to and retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of 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 re-advertised and let as provided by law.

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

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

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

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

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

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

Dated New York, April 23, 1888.

CHARLES E. SIMMONS, President,
HENRY H. PORTER, Commissioner,
THOMAS S. BRENNAN, Commissioner,
Public Charities and Correction.

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

TO CONTRACTORS.

PROPOSALS FOR AN ADDITIONAL STORY TO WASH-HOUSE, CHARITY HOSPITAL, BLACKWELL'S ISLAND, NEW YORK.

SEALED BIDS OR ESTIMATES FOR THE aforesaid job, 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 9:30 o'clock A.M. of Thursday, May 3, 1888. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for an additional story to Wash-house, Charity Hospital, Blackwell's Island, New York," 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 that no member of the Common Council, Head of a Department, Chief of a Bureau, Deputy thereof, Clerk therein, or other officer of the Corporation, is directly or indirectly interested therein or in the supplies or work to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate, that the several matters stated therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for its faithful performance; and that if he shall omit or refuse to execute the same, they shall pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of 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 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 this security shall, in addition to the justification and acknowledgment, be approved by the Comptroller of the City of New York.

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

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

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

BIDDERS ARE INFORMED THAT NO DEVIATION FROM THE SPECIFICATIONS WILL BE ALLOWED, UNLESS UNDER THE WRITTEN INSTRUCTIONS OF THE COMMISSIONERS OF PUBLIC CHARITIES AND CORRECTION.

The form of the agreement, including specifications, and showing the manner of payment, can be obtained at the office of the Department, where the plans will be on exhibition for the information of bidders.

Dated New York, April 19, 1888.

CHARLES E. SIMMONS, President,
HENRY H. PORTER, Commissioner,
THOMAS S. BRENNAN, Commissioner,
Public Charities and Correction.

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

TO CONTRACTORS.

PROPOSALS FOR GROCERIES, DRY GOODS, LUMBER, ETC.

SEALED BIDS OR ESTIMATES FOR FURNISHING

GROCERIES, ETC.

9,500 pounds Dairy Butter, sample on exhibition.

Thursday, May 3, 1888.

15,000 pounds Hominy, price to include packages.

10,000 pounds Oat Meal, price to include packages.

5,000 pounds Dried Peas.

2,000 pounds Coffee Sugar.

5,000 pounds Cut Leaf Sugar.

5,000 gallons Syrup, in barrels.

12 dozen Canned Salmon.

40 dozen Worcestershire Sauce, pints, "L. & P."

10 dozen Canned String Beans.

50 dozen Canned Lima Beans.

50 dozen Canned Corn.

3,600 dozen Fresh Eggs, all to be candled.

100 pieces prime quality City Cured Bacon, to average about 6 pounds each.

50 pieces quality City Cured Smoked Hams, to average about 14 pounds each.

20 tubs best quality Kettle Rendered Leaf Lard, 50 pounds each.

560 barrels good sound White Potatoes, to weigh 172 pounds net per barrel.

50 barrels prime Red or Yellow Onions, to weigh 150 pounds net per barrel.

100 barrels prime Carrots, 130 pounds net per barrel.

1,600 heads prime good sized Cabbage.

300 bales prime quality long bright Rye Straw, tare net to exceed 3 pounds, weight charged as received at Blackwell's Island.

100 bags Bran, 50 pounds net each.

100 bags Coarse Meal, 80 pounds net each.

DRY GOODS, ETC.

480 Toilet Quilts.

100 pieces Gingham.

25,000 Sewing Needles, 7 No. 3, to No. 4, 5 No. 5, and No. 6.

24 dozen Hair Brushes.

700 pounds pure S. A. Curled Hair.

HARDWARE, ETC.

10 gross Bowls.

25 gross Table Spoons.

10 gross Tea Spoons.

144 dozen Knives and Forks, 72 dozen each.

LUMBER.

30,000 feet first quality Coffin Box Boards, 3/4" x 12 to 15" x 12 to 16 feet, dressed one side.

150 first quality Spruce Plank, 1 1/2" x 9" x 13 feet.

130 bunches extra XXX clear Sawed Pine Shingles, 16 inches.

1,000 square feet first quality seasoned Oak, 1".
1,000 square feet first quality Merchantable White Pine, 3/4" x 12", dressed one side.

400 first quality Spruce Boards, 1" x 9" x 13 feet.

All lumber to be delivered at Blackwell's Island.

—will be received at the Department of Public Charities and Correction, in the City of New York, until 9:30 o'clock A.M. of Friday, May 4, 1888. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Groceries, Dry Goods and Lumber," 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.

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

Any bidder 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 fifty (50) per cent. of the ESTIMATED amount of the contract.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same; the names of all persons interested with him or them therein; and if no other person be so interested, it shall distinctly state that fact; also that it is made without any connection with any other person making an estimate for the same 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, Clerk therein, or other officer of the Corporation, is directly or indirectly interested therein or in the supplies or work to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate, that the several matters stated therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for its faithful performance; and that if he shall omit or refuse to execute the same, they shall pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of 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 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 considered unless accompanied by either a certified check upon one of the State or National Banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be enclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the Estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of 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 re-advertised and let as provided by law.

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

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

BIDDERS ARE INFORMED THAT NO DEVIATION FROM THE SPECIFICATIONS WILL BE ALLOWED, UNLESS UNDER THE WRITTEN INSTRUCTIONS OF THE COMMISSIONERS OF PUBLIC CHARITIES AND CORRECTION.

The form of the agreement, including specifications, and showing the manner of payment, can be obtained at the office of the Department, where the plans will be on exhibition for the information of bidders.

Dated New York, April 19, 1888.

CHARLES E. SIMMONS, President,
HENRY H. PORTER, Commissioner,
THOMAS S. BRENNAN, Commissioner,
Public Charities and Correction.

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

TO CONTRACTORS.

PROPOSALS FOR AN ADDITION TO THE MAIN BUILDING, TO BE USED AS A KITCHEN, DINING-ROOM AND WASH-HOUSE, AT THE WORKHOUSE, BLACKWELL'S ISLAND.

SEALED BIDS OR ESTIMATES FOR THE aforesaid job, 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 9:30 o'clock A.M. of Thursday, May 3, 1888. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for an addition to Main Building, etc., of Workhouse, Blackwell's Island," 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 that no member of the Common Council, Head of a Department, Chief of a Bureau, Deputy thereof, Clerk therein, or other officer of the Corporation, is directly or indirectly interested therein or in the supplies or work to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate, that the several matters stated therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for its faithful performance; and that if he shall omit or refuse to execute the same, they shall pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of 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 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 this security shall, in addition to the justification and acknowledgment, be approved by the Comptroller of the City of New York.

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

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

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

BIDDERS ARE INFORMED THAT NO DEVIATION FROM THE SPECIFICATIONS WILL BE ALLOWED, UNLESS UNDER THE WRITTEN INSTRUCTIONS OF THE COMMISSIONERS OF PUBLIC CHARITIES AND CORRECTION.

The form of the agreement, including specifications, and showing the manner of payment, can be obtained at the office of the Department, where the plans will be on exhibition for the information of bidders.

Dated New York, April 19, 1888.

CHARLES E. SIMMONS, President,
HENRY H. PORTER, Commissioner,
THOMAS S. BRENNAN, Commissioner,
Public Charities and Correction.

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

IN ACCORDANCE WITH AN ORDINANCE OF THE COMMON COUNCIL.

"In relation to the burial of strangers or unknown persons who may die in any of the public institutions of the City of New York," the Commissioners of Public Charities and Correction report as follows:

At Morgue, Bellevue Hospital, from No. 14 Roosevelt street—Unknown man, aged about 35 years; 5 feet 7 inches high; dark brown hair and moustache, blue eyes. Had on brown overcoat, dark diagonal coat and vest, gray mixed pants, striped hickory shirt, white socks, gaiters.

Unknown man, from Central Park, aged about 40 years; 5 feet 7 inches high; brown hair, sandy moustache, blue eyes, full beard. Had on dark coat, pants and vest, white shirt, brown knit undershirt and drawers, striped sock, black merino waist and skirt, dark slippers, gray woolen hood.

At Charity Hospital, Blackwell's Island—Henry Howard, aged 54 years; 5 feet 5 1/2 inches high; brown hair and eyes. Had on when admitted dark coat, vest and pants, colored drawers, white shirt, shoes, black derby hat.

At Workhouse, Blackwell's Island—William Pierson, aged 73 years. Committed February 10, 1888.

Sophia Schaffer, aged 50 years. Committed January 10, 1888.

Ann Dugan, aged 70 years. Committed April 21, 1888.

Patrick McManus, aged 56 years. Committed April 18, 1888.

Conrad Roll, aged 37 years. Committed April 15, 1888.

At Homeopathic Hospital, Ward's Island—Alice Downey, aged 35 years; 5 feet 3 inches high; brown hair, gray eyes. Had on when admitted gray woolen shirt, black merino waist and skirt, dark slippers, gray woolen hood.

John Shiffer, aged 62 years; 5 feet 5 inches high; dark brown hair, blue eyes. Had on when admitted gray coat, blue check vest, brown pants, laced shoes, black derby hat.

Nothing known of their friends or relatives.

By order,
G. F. BRITTON,
Secretary.

SUPREME COURT.

In the matter of the application of the Department of Public Works, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to the opening of ONE HUNDRED AND THIRTY-EIGHTH STREET, from the easterly line of Tenth Avenue to a point 200 feet to the eastward of the same, and a new avenue from the last-mentioned point, in a southerly, easterly and northerly direction, to Avenue St. Nicholas, opposite One Hundred and Thirty-fifth street.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, the Mayor, Aldermen and Commonality of the City of New York hereby gives notice that the Counsel to the Corporation will apply to the Supreme Court in the First Judicial District of the State of New York, at a Special Term thereof, to be held at Chambers of said Court, in the County Court-house, in the City of New York, on the 7th day of June, 1888, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon, for the appointment of a Commissioner of Estimate and Assessment in the above proceeding in the place and stead of Cornelius A. Runkle, deceased.

Dated New York, April 23, 1888.
HENRY R. BEEKMAN,
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 Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to BREMER AVENUE (although not yet named by proper authority), extending from Jerome Avenue to Birch Street, and to that part of DEVOTE STREET (although not yet named by proper authority) extending from Bremer Avenue to Ogden Avenue, in the Twenty-third Ward of the City of New York, as the same have been heretofore laid out and designated as first-class streets or roads by the Department of Public Parks.

PURSUANT TO THE PROVISIONS OF CHAPTER 721 of the Laws of 1887, and all other statutes in such cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers thereof, in the County Court-house, in the City of New York, on Thursday, the 17th day of May, 1888, at the opening of the court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter. The nature and extent of the improvement intended is the acquisition of title, in the name and on behalf of the Mayor, Aldermen and Commonality of the City of New York, for the use of the public, to all the lands and premises, with the buildings thereon and the appurtenances thereto belonging, required for the opening of a certain street or avenue known as Bremer Avenue, extending from Jerome Avenue to Birch Street, in the Twenty-third Ward in 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, being the following-described lots, pieces or parcels of land, viz.: Beginning at a point in the northern line of Jerome Avenue, Jerome Avenue, distant 455 1/2 feet to the easterly line of Sedgwick Avenue, measured along the northern edge of Jerome Avenue.

1st. Thence easterly along the northern line of Jerome Avenue for 77 1/2 feet.
2d. Thence northeasterly, deflecting 50° 48' 55" to the left, for 3.375 feet.
3d. Thence westerly, deflecting 110° 53' 20" to the left, for 64 1/2 feet.
4th. Thence southerly, for 3.402 1/2 feet to the point of beginning.

Also for the opening of a certain street or avenue known as Devote Street, extending from Bremer Avenue to Ogden Avenue, in the Twenty-third 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, being the following-described lots, pieces or parcels of land: Beginning at a point in the easterly line of Ogden Avenue, distant 2.869 1/2 feet northerly from eastern prolongation of the southerly line of One Hundred and Fifty-fifth street, measured at right angles to the same.

1st. Thence northerly along the eastern line of Ogden Avenue, for 60 feet.
2d. Thence easterly, deflecting 90° to the right, for 420 1/2 feet.
3d. Thence southerly, deflecting 77° 7' 30" to the right, for 60 1/2 feet.

4th. Thence westerly, for 401 1/2 feet to the point of beginning.
And as shown on certain maps filed by the Commissioners of the Department of Public Parks in the office of the Register of the City and County of New York, in the office of the Secretary of State of the State of New York, and in the Department of Public Parks.

Dated, New York, April 12, 1888.
HENRY R. BEEKMAN,
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 Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to that part of MELROSE AVENUE (although not yet named by proper authority) extending from Third Avenue to East One Hundred and Sixty-third street, in the Twenty-third 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, being the following-described lots, pieces or parcels of land, viz.:

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers thereof, in the County Court-house, in the City of New York, on Thursday, the 7th day of May, 1888, at the opening of the court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title, in the name and on behalf of the Mayor, Aldermen and Commonality of the City of New York, for the use of the public, to all the lands and premises, with the buildings thereon and the appurtenances thereto belonging, required for the opening of a certain street or avenue known as Melrose Avenue, extending from Third Avenue to East One Hundred and Sixty-third street, in the Twenty-third Ward in 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, being the following-described lots, pieces or parcels of land, viz.:

PARCEL A.
Beginning at the intersection of the southern line of East One Hundred and Forty-ninth street with the western line of Third Avenue.
1st. Thence westerly along the southern line of East One Hundred and Forty-ninth street, for 5 1/2 feet.
2d. Thence southerly, deflecting 80° 20' 30" to the left, for 8 1/2 feet to the eastern line of Third Avenue.
3d. Thence northeasterly along the western line of Third Avenue, for 10 1/2 feet to the point of beginning.

PARCEL B.
Beginning at the intersection of the northern line of East One Hundred and Forty-ninth street with the western line of Third Avenue.
1st. Thence westerly along the northern line of East One Hundred and Forty-ninth street, for 47 1/2 feet.
2d. Thence northerly, deflecting 90° 21' 30" to the right, for 53 1/2 feet.

3d. Thence northerly, deflecting 0° 00' 09" to the right, for 220 1/2 feet to the point of beginning.
4th. Thence northerly, deflecting 0° 00' 09" to the left, for 2.143 1/2 feet.
5th. Thence northerly, deflecting 2° 54' 50" to the right, for 1.175 1/2 feet to the southern line of East One Hundred and Sixty-first street.
6th. Thence easterly along the southern line of East One Hundred and Sixty-first street, for 80 feet.
7th. Thence southerly, deflecting 90° 00' 00" to the right, for 1.175 1/2 feet.
8th. Thence southerly, deflecting 2° 54' 50" to the left, for 1.141 1/2 feet.
9th. Thence southerly, deflecting 0° 00' 09" to the right, for 220 1/2 feet.
10th. Thence southerly, deflecting 0° 00' 09" to the left, for 400 1/2 feet to the western line of Third Avenue.
11th. Thence southerly along the western line of Third Avenue for 56 1/2 feet to the point of beginning.

PARCEL C.
Beginning at a point in the northern line of East One Hundred and Sixty-first street, distant 722 1/2 feet westerly from the intersection of the northern line of East One Hundred and Sixty-first street with the western line of Washington Avenue.

1st. Thence westerly along the northern line of East One Hundred and Sixty-first street for 80 feet.
2d. Thence northerly, deflecting 90° to the right, for 443 1/2 feet.
3d. Thence easterly, deflecting 92° 05' to the right, for 80 1/2 feet.

4th. Thence southerly, deflecting 88° 55' 00" to the right, for 420 1/2 feet to the point of beginning.
And as shown on certain maps filed by the Commissioners of the Department of Public Parks, in the office of the Register of the City and County of New York, in the office of the Secretary of State of the State of New York, and in the Department of Public Parks.

Dated, New York, April 12, 1888.
HENRY R. BEEKMAN,
Counsel to the Corporation,
No. 2 Tryon Row, New York City.

DEPARTMENT OF PUBLIC WORKS.

COMMISSIONER'S OFFICE,
ROOM 6, NO. 31 CHAMBERS STREET,
NEW YORK, April 27, 1888.

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., Thursday, May 10, 1888, at which place and hour they will be publicly opened by the head of the Department.

No. 1. FOR FURNISHING AND DELIVERING CUT STONE AT THE RESERVOIR AT HIGH BRIDGE.
No. 2. FOR FURNISHING MATERIALS AND PERFORMING THE WORK OF BUILDING A HOUSE FOR STORAGE OF COAL on the lot 50 feet by 201 feet 10 inches, between Ninety-sixth and Ninety-seventh streets, on the west side of Ninth Avenue; AND A WAGON PLATFORM.

No. 3. FOR FURNISHING THE DEPARTMENT OF PUBLIC WORKS, WITH THREE THOUSAND SIX HUNDRED (3,600) GROSS TONS, 2,240 pounds to a ton, OF EGG SIZE, LEHIGH AND WILKES-BARRE COMPANY'S BEST WILKES-BARRE COAL.

No. 4. FOR FURNISHING AND DELIVERING STOP-COCKS, HYDRANTS, WOODEN HYDRANT-BOXES AND CAST-IRON WATER-PIPE, from the present main on Twenty-ninth street to the main on Blackwell's Island.

No. 5. FOR FURNISHING, DELIVERING AND LAYING SIX-INCH CAST-IRON WATER-PIPE, from the present main on Twenty-ninth street to the main on Blackwell's Island.
No. 6. FOR LAYING WATER-MAINS IN AVENUE A, MADISON, ARTHUR AND FOURTH STREETS, BETWEEN HUNTER AND FORTIETH, ONE HUNDRED AND THIRTY-FIFTH, ONE HUNDRED AND THIRTY-FOURTH, ONE HUNDRED AND THIRTY-THIRD, ONE HUNDRED AND TWENTY-SEVENTH, ONE HUNDRED AND TWENTY-SIXTH, ONE HUNDRED AND TWENTY-FIFTH, ONE HUNDRED AND TWENTY-FOURTH, ONE HUNDRED AND TWENTY-THIRD, ONE HUNDRED AND TWENTY-SECOND, ONE HUNDRED AND TWENTY-FIRST, ONE HUNDRED AND TWENTIETH, ONE HUNDRED AND NINETEENTH, ONE HUNDRED AND EIGHTEENTH, ONE HUNDRED AND SEVENTEENTH, ONE HUNDRED AND SIXTEENTH, ONE HUNDRED AND FIFTEENTH, ONE HUNDRED AND FOURTEENTH, ONE HUNDRED AND THIRTEENTH, ONE HUNDRED AND TWENTY-SECOND, ONE HUNDRED AND TWENTY-THIRD, ONE HUNDRED AND TWENTY-FOURTH, ONE HUNDRED AND TWENTY-FIFTH, ONE HUNDRED AND TWENTY-SIXTH, ONE HUNDRED AND TWENTY-SEVENTH, ONE HUNDRED AND TWENTY-EIGHTH, ONE HUNDRED AND TWENTY-NINTH, ONE HUNDRED AND THIRTIETH, ONE HUNDRED AND THIRTY-FIRST, ONE HUNDRED AND THIRTY-SECOND, ONE HUNDRED AND THIRTY-THIRD, ONE HUNDRED AND THIRTY-FOURTH, ONE HUNDRED AND THIRTY-FIFTH, ONE HUNDRED AND THIRTY-SIXTH, ONE HUNDRED AND THIRTY-SEVENTH, ONE HUNDRED AND THIRTY-EIGHTH, ONE HUNDRED AND THIRTY-NINTH, ONE HUNDRED AND FORTIETH, ONE HUNDRED AND FORTY-FIRST, ONE HUNDRED AND FORTY-SECOND, ONE HUNDRED AND FORTY-THIRD, ONE HUNDRED AND FORTY-FOURTH, ONE HUNDRED AND FORTY-FIFTH, ONE HUNDRED AND FORTY-SIXTH, ONE HUNDRED AND FORTY-SEVENTH, ONE HUNDRED AND FORTY-EIGHTH, ONE HUNDRED AND FORTY-NINTH, ONE HUNDRED AND FIFTIETH, ONE HUNDRED AND FIFTY-FIRST, ONE HUNDRED AND FIFTY-SECOND, ONE HUNDRED AND FIFTY-THIRD, ONE HUNDRED AND FIFTY-FOURTH, ONE HUNDRED AND FIFTY-FIFTH, ONE HUNDRED AND FIFTY-SIXTH, ONE HUNDRED AND FIFTY-SEVENTH, ONE HUNDRED AND FIFTY-EIGHTH, ONE HUNDRED AND FIFTY-NINTH, ONE HUNDRED AND SIXTIETH, ONE HUNDRED AND SIXTY-FIRST, ONE HUNDRED AND SIXTY-SECOND, ONE HUNDRED AND SIXTY-THIRD, ONE HUNDRED AND SIXTY-FOURTH, ONE HUNDRED AND SIXTY-FIFTH, ONE HUNDRED AND SIXTY-SIXTH, ONE HUNDRED AND SIXTY-SEVENTH, ONE HUNDRED AND SIXTY-EIGHTH, ONE HUNDRED AND SIXTY-NINTH, ONE HUNDRED AND SEVENTIETH, ONE HUNDRED AND SEVENTY-FIRST, ONE HUNDRED AND SEVENTY-SECOND, ONE HUNDRED AND SEVENTY-THIRD, ONE HUNDRED AND SEVENTY-FOURTH, ONE HUNDRED AND SEVENTY-FIFTH, ONE HUNDRED AND SEVENTY-SIXTH, ONE HUNDRED AND SEVENTY-SEVENTH, ONE HUNDRED AND SEVENTY-EIGHTH, ONE HUNDRED AND SEVENTY-NINTH, ONE HUNDRED AND EIGHTIETH, ONE HUNDRED AND EIGHTY-FIRST, ONE HUNDRED AND EIGHTY-SECOND, ONE HUNDRED AND EIGHTY-THIRD, ONE HUNDRED AND EIGHTY-FOURTH, ONE HUNDRED AND EIGHTY-FIFTH, ONE HUNDRED AND EIGHTY-SIXTH, ONE HUNDRED AND EIGHTY-SEVENTH, ONE HUNDRED AND EIGHTY-EIGHTH, ONE HUNDRED AND EIGHTY-NINTH, ONE HUNDRED AND NINETIETH, ONE HUNDRED AND NINETY-FIRST, ONE HUNDRED AND NINETY-SECOND, ONE HUNDRED AND NINETY-THIRD, ONE HUNDRED AND NINETY-FOURTH, ONE HUNDRED AND NINETY-FIFTH, ONE HUNDRED AND NINETY-SIXTH, ONE HUNDRED AND NINETY-SEVENTH, ONE HUNDRED AND NINETY-EIGHTH, ONE HUNDRED AND NINETY-NINTH, ONE HUNDRED AND ONE HUNDRED, ONE HUNDRED AND ONE HUNDRED AND ONE, ONE HUNDRED AND ONE HUNDRED AND TWO, ONE HUNDRED AND ONE HUNDRED AND THREE, ONE HUNDRED AND ONE HUNDRED AND FOUR, ONE HUNDRED AND ONE HUNDRED AND FIVE, ONE HUNDRED AND ONE HUNDRED AND SIX, ONE HUNDRED AND ONE HUNDRED AND SEVEN, ONE HUNDRED AND ONE HUNDRED AND EIGHT, ONE HUNDRED AND ONE HUNDRED AND NINE, ONE HUNDRED AND ONE HUNDRED AND TEN, ONE HUNDRED AND ONE HUNDRED AND ELEVEN, ONE HUNDRED AND ONE HUNDRED AND TWELVE, ONE HUNDRED AND ONE HUNDRED AND THIRTEEN, ONE HUNDRED AND ONE HUNDRED AND FOURTEEN, ONE HUNDRED AND ONE HUNDRED AND FIFTEEN, ONE HUNDRED AND ONE HUNDRED AND SIXTEEN, ONE HUNDRED AND ONE HUNDRED AND SEVENTEEN, ONE HUNDRED AND ONE HUNDRED AND EIGHTEEN, ONE HUNDRED AND ONE HUNDRED AND NINETEEN, ONE HUNDRED AND ONE HUNDRED AND TWENTY, ONE HUNDRED AND ONE HUNDRED AND TWENTY-ONE, ONE HUNDRED AND ONE HUNDRED AND TWENTY-TWO, ONE HUNDRED AND ONE HUNDRED AND TWENTY-THREE, ONE HUNDRED AND ONE HUNDRED AND TWENTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND TWENTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND TWENTY-SIX, ONE HUNDRED AND ONE HUNDRED AND TWENTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND TWENTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND TWENTY-NINE, ONE HUNDRED AND ONE HUNDRED AND THIRTY, ONE HUNDRED AND ONE HUNDRED AND THIRTY-ONE, ONE HUNDRED AND ONE HUNDRED AND THIRTY-TWO, ONE HUNDRED AND ONE HUNDRED AND THIRTY-THREE, ONE HUNDRED AND ONE HUNDRED AND THIRTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND THIRTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND THIRTY-SIX, ONE HUNDRED AND ONE HUNDRED AND THIRTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND THIRTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND THIRTY-NINE, ONE HUNDRED AND ONE HUNDRED AND FORTY, ONE HUNDRED AND ONE HUNDRED AND FORTY-ONE, ONE HUNDRED AND ONE HUNDRED AND FORTY-TWO, ONE HUNDRED AND ONE HUNDRED AND FORTY-THREE, ONE HUNDRED AND ONE HUNDRED AND FORTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND FORTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND FORTY-SIX, ONE HUNDRED AND ONE HUNDRED AND FORTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND FORTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND FORTY-NINE, ONE HUNDRED AND ONE HUNDRED AND FIFTY, ONE HUNDRED AND ONE HUNDRED AND FIFTY-ONE, ONE HUNDRED AND ONE HUNDRED AND FIFTY-TWO, ONE HUNDRED AND ONE HUNDRED AND FIFTY-THREE, ONE HUNDRED AND ONE HUNDRED AND FIFTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND FIFTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND FIFTY-SIX, ONE HUNDRED AND ONE HUNDRED AND FIFTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND FIFTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND FIFTY-NINE, ONE HUNDRED AND ONE HUNDRED AND SIXTY, ONE HUNDRED AND ONE HUNDRED AND SIXTY-ONE, ONE HUNDRED AND ONE HUNDRED AND SIXTY-TWO, ONE HUNDRED AND ONE HUNDRED AND SIXTY-THREE, ONE HUNDRED AND ONE HUNDRED AND SIXTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND SIXTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND SIXTY-SIX, ONE HUNDRED AND ONE HUNDRED AND SIXTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND SIXTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND SIXTY-NINE, ONE HUNDRED AND ONE HUNDRED AND SEVENTY, ONE HUNDRED AND ONE HUNDRED AND SEVENTY-ONE, ONE HUNDRED AND ONE HUNDRED AND SEVENTY-TWO, ONE HUNDRED AND ONE HUNDRED AND SEVENTY-THREE, ONE HUNDRED AND ONE HUNDRED AND SEVENTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND SEVENTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND SEVENTY-SIX, ONE HUNDRED AND ONE HUNDRED AND SEVENTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND SEVENTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND SEVENTY-NINE, ONE HUNDRED AND ONE HUNDRED AND EIGHTY, ONE HUNDRED AND ONE HUNDRED AND EIGHTY-ONE, ONE HUNDRED AND ONE HUNDRED AND EIGHTY-TWO, ONE HUNDRED AND ONE HUNDRED AND EIGHTY-THREE, ONE HUNDRED AND ONE HUNDRED AND EIGHTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND EIGHTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND EIGHTY-SIX, ONE HUNDRED AND ONE HUNDRED AND EIGHTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND EIGHTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND EIGHTY-NINE, ONE HUNDRED AND ONE HUNDRED AND NINETY, ONE HUNDRED AND ONE HUNDRED AND NINETY-ONE, ONE HUNDRED AND ONE HUNDRED AND NINETY-TWO, ONE HUNDRED AND ONE HUNDRED AND NINETY-THREE, ONE HUNDRED AND ONE HUNDRED AND NINETY-FOUR, ONE HUNDRED AND ONE HUNDRED AND NINETY-FIVE, ONE HUNDRED AND ONE HUNDRED AND NINETY-SIX, ONE HUNDRED AND ONE HUNDRED AND NINETY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND NINETY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND NINETY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ELEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWELVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FOURTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ELEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWELVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FOURTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FORTY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ELEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWELVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FOURTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND FIFTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SIXTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND SEVENTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND EIGHTEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND NINETEEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND TWENTY-NINE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-ONE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-TWO, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-THREE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-FOUR, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-FIVE, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-SIX, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-SEVEN, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND THIRTY-EIGHT, ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED AND ONE HUNDRED

the same, and for each additional family, one dollar per year shall be charged.

Meters will be placed on all houses where waste of water is found, and they will be charged at rates fixed by the Department for all the water passing through them.

The extra and miscellaneous rates shall be as follows to wit:

BAKERSIES.—For the average daily use of flour, for each barrel, three dollars per annum.

BARBER SHOPS. shall be charged from five to twenty dollars per annum each, in the discretion of the Commissioner of Public Works; an additional charge of five dollars per annum shall be made for each bath-tub therein.

BATHING TUBS in private houses, beyond one, shall be charged at three dollars per annum each, and five dollars per annum each in public houses, boarding-houses, and bathing establishments. Combination stationary wash-tubs, having a movable division in the centre and capable of use for bathing, shall be charged the same as bathing tubs.

BUILDING PURPOSES.—For each one thousand bricks laid, or for stone-work to be measured as brick-tens cents per thousand. For plastering, forty cents per hundred yards.

COWS.—For each and every cow, one dollar per annum.

DINING SALOONS shall be charged an annual rate of from five to twenty dollars, in the discretion of the Commissioner of Public Works.

FISH STANDS (retail) shall be charged five dollars per annum each.

For all stables not metered, the rates shall be as follows: **HORSES, PRIVATE.**—For two horses there shall be charged six dollars per annum; and for each additional horse, two dollars.

HORSES, LIVERY.—For each horse up to and not exceeding thirty in number, one dollar and fifty cents each per annum; and for each additional horse, one dollar.

HORSES, OMNIBUS AND CART.—For each horse, one dollar per annum.

HORSE TROUGHS.—For each trough, and for each half barrel or tub on sidewalk or street, twenty dollars per annum; each trough is to be fitted with a proper ball-cock to prevent waste.

HOTELS AND BOARDING HOUSES shall, in addition to the regular rate for private families, be charged for each lodging room, at the discretion of the Commissioner of Public Works.

LAUNDRIES shall be charged from eight to twenty dollars per annum, in the discretion of the Commissioner of Public Works.

LICQUOR AND LAGER BEER SALOONS shall be charged an annual rate of ten dollars each. An additional charge of five dollars per annum shall be made for each tap or wash-box.

PHOTOGRAPH GALLERIES shall be charged an annual rate of from five to twenty dollars, in the discretion of the Commissioner of Public Works.

PRINTING OFFICES, when not metered, shall be charged at such rates as may be determined by the Commissioner of Public Works.

SODA, MINERAL WATER AND ROOT BEER FOUNTAINS shall be charged five dollars per annum each.

STEAM ENGINES, when not metered, shall be charged by the horse-power, as follows: For each horse-power up to and not exceeding ten, the sum of ten dollars per annum; for each exceeding ten, and not over fifteen, the sum of seven dollars and fifty cents each; and for each horse-power over fifteen, the sum of five dollars.

WATER-CLOSETS AND URINALS.—To each building on a lot one water-closet having sewer connection is allowed without charge, each additional water-closet or urinal will be charged as hereinafter stated. All closets connected in any manner with sewer shall be charged two dollars for each seat per annum, whether in a building or on any other portion of the premises.

URINALS shall be charged two dollars per annum each.

WATER-CLOSET RATES.—For hoppers of any form, when water is supplied direct from the Croton supply, through any form of the so-called signal or double valves, hopper-cocks, stop-cocks, self-closing cocks, or any valve or cock of any description attached to the closet, each, per year, ten dollars.

For any pan closet, or any of the forms of valve, plunger, or other water-closet not herein mentioned, supplied with water as above described, per year, ten dollars.

For any form of hopper or water-closet, supplied from the ordinary style of cistern filled with ball-cock, and overflow pipe that communicates with the pipe to the water-closet, so that overflow will run into the hopper or water-closet, when ball-cock is defective, or from which an unlimited amount of water can be drawn by holding up the handle, per year, each, five dollars.

For any form of hopper or water-closet, supplied from any of the four charges, each additional water-closet, that are approved by the Engineer of the Croton Aqueduct, which are so constructed that not more than three gallons of water can be drawn at each lift of the handle, or depression of the seat, if such cisterns are provided with an overflow pipe, such overflow pipe must not connect with the water-closet, but be carried like a safe-waste, as provided by the Board of Health regulations, per year, two dollars.

Cistern answering this description can be seen at this Department.

METERS.

Under the provisions of section 352, Consolidated Act 1884, water-meters, of approved pattern, shall be hereafter placed on the pipes supplying all stores, workshops, hotels, manufactories, public edifices, at wharves, ferries, houses, stables, and in all places where water is furnished for business consumption, except private dwellings.

It is provided by section 352, Laws of 1882, that "all expenses of meters, their connections and setting, water rates, and other lawful charges for the supply of Croton water, shall be a lien upon the premises where such water is supplied, as now provided by law."

All manufacturing and other business requiring a large supply of water will be fitted with a meter.

Water measured by meter, ten cents per one hundred cubic feet.

Rate Without Meters.

PER DAY, GALLONS.	PER 100 GALLONS, RATE.	PER ANNUM, AMOUNT.
25	05	\$3 75
50	05	7 50
75	05	11 25
100	05	15 00
125	05	18 75
150	05	22 50
175	05	26 25
200	05	30 00
225	05	33 75
250	05	37 50
275	05	41 25
300	05	45 00
325	05	48 75
350	05	52 50
375	05	56 25
400	05	60 00
425	05	63 75
450	05	67 50
475	05	71 25
500	05	75 00
525	05	78 75
550	05	82 50
575	05	86 25
600	05	90 00
625	05	93 75
650	05	97 50
675	05	101 25
700	05	105 00
725	05	108 75
750	05	112 50
775	05	116 25
800	05	120 00
825	05	123 75
850	05	127 50
875	05	131 25
900	05	135 00
925	05	138 75
950	05	142 50
975	05	146 25
1,000	05	150 00
1,050	05	157 50
1,100	05	165 00
1,150	05	172 50
1,200	05	180 00
1,250	05	187 50
1,300	05	195 00
1,350	05	202 50
1,400	05	210 00
1,450	05	217 50
1,500	05	225 00
1,550	05	232 50
1,600	05	240 00
1,650	05	247 50
1,700	05	255 00
1,750	05	262 50
1,800	05	270 00
1,850	05	277 50
1,900	05	285 00
1,950	05	292 50
2,000	05	300 00

The rate charged for steam-vessels taking water daily or belonging to daily lines, is one-half cent per ton (Custom House measurement) for each time they take water.

Steamers taking water other than daily, one cent per ton (Custom House measurement).

Water supplied to sailing vessels and put on board, twenty-five cents per hundred gallons.

All matters not hereinbefore embraced are reserved for special contract by and with the Commissioner of Public Works.

HYDRANTS, HOSE, TROUGHS, FOUNTAINS, ETC., ETC.

No owner or tenant will be allowed to supply water to another person or persons.

No person taking water from the City must keep their own service-pipes, street tap, and all fixtures connected therewith, in good repair, protected from frost, at their own risk and expense, and shall prevent all waste of water.

The use of hose to wash coaches, omnibuses, wagons, railway cars or other vehicles or horses, cannot be permitted.

No horse-troughs or horse-watering fixtures will be permitted in the street or on the sidewalk, except upon a license or permit taken out for that purpose. All licenses or permits must be annually renewed on the first of May. Such fixtures must be kept in good order and the water not allowed to drip or waste by overflowing the sidewalk or street, or to become dangerous in winter by freezing in and about such troughs or fixtures.

No hydrant will be permitted on the sidewalk or in the front area, and any hydrant standing in a yard or alley, attached to any dwelling or building, must not be left running when not in actual use, and if the drip or waste from such hydrant freezes and becomes dangerous in winter, the supply will be shut off in addition to the penalty of five dollars imposed.

Taps at wash-basins, water-closets, baths and urinals must not be left running under the penalty of five dollars for each offense, which will be strictly enforced.

Fountains or jets in hotels, porter-houses, eating-saloons, confectioneries or other buildings are strictly prohibited.

The use of hose for washing sidewalks, stoops, areas, house-fronts, yards, court-yards, gardens, and about stables, is prohibited. Where premises are provided with water, special permit will be given for the use of hose, in order that the police or inspectors of this department may understand that the permission is not for the use of Croton water.

Opening fire-hydrants to fill hand sprinklers or other vessels will not be allowed.

The penalty for a violation of any of the preceding rules and regulations will be five dollars for each offense, and if not paid when imposed will become a lien on the premises in like manner as all other charges for unpaid water rents.

By order, **JOHN NEWTON,**
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
No. 31 CHAMBERS STREET,
NEW YORK, June 21, 1887.

PUBLIC NOTICE AS TO WATER RATES.

PUBLIC NOTICE IS HEREBY GIVEN THAT in compliance with the provision of chapter 559, Laws of 1887, amending sections 300 and 321 of the New York City Consolidation Act of 1882, passed June 9, 1887, the following changes are made in charging and collecting water rents:

1st. All extra charges for water incurred from and after June 9, 1887, shall be treated, collected and returned in arrears in the same manner as regular rents have heretofore been treated.

2d. In every building where a water meter or meters are now, or shall hereafter be in use, the charge for water by meter measurement shall be the only charge against such building, or such part thereof as is supplied through meter.

3d. The returns of arrears of water rents, including the year 1887, shall be made as heretofore on the confirmation of the tax levy by the Board of Aldermen, and shall include all charges and penalties of every nature.

4th. A penalty of five dollars (\$5) is hereby established, and will be imposed in each and every case where the rules and regulations of the Department prohibiting the use of water through hose, or through other unlawful manner, are violated, and such penalties will be entered on the books of the Bureau against the respective buildings or property, and, if not collected, be returned in arrears in like manner as other charges for water.

5th. Charges for so-called extra water rents of every nature, imposed or incurred prior to June 9, 1887, will be canceled of record on the books of the Department.

Witness my hand and the seal of the Department.

Deputy and Acting Commissioner of Public Works.

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

PUBLIC NOTICE.

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

JOHN NEWTON,
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
No. 31 CHAMBERS STREET,
NEW YORK, November 10, 1886.

NOTICE TO CROTON WATER CONSUMERS.

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

The main object of the use of water-meters is to enable this Department to detect and check the useless and unprofitable waste of an element so valuable and essential to the health and comfort of all the citizens, and this object can only be accomplished by enforcing payment for the water wasted.

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

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

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

JOHN NEWTON,
Commissioner of Public Works.

AQUEDUCT COMMISSION.

AQUEDUCT COMMISSIONERS' OFFICE,
ROOM 200, STEWART BUILDING, No. 280 BROADWAY,
NEW YORK, April 20, 1888.

TO CONTRACTORS.

BIDS OR PROPOSALS FOR FURNISHING AND delivering and laying 48-inch Cast-iron Pipes and their appurtenances, from One Hundred and Thirty-fifth street and Convent avenue to the proposed gate-house in the Central Park Reservoir, and doing all other work in connection therewith necessary to complete Section 16 of the New Aqueduct, as called for in the approved forms of contract and specifications on file in the office of the Aqueduct Commissioners, will be received at this office until WEDNESDAY, the 9th day of MAY, 1888, at 3 o'clock p. m., at which place and hour they will be publicly opened by the Aqueduct Commissioners, and the award of the contract for doing said work and furnishing said material will be made by said Commissioners as soon thereafter as practicable.

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

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

JOHN C. SHEEHAN,
Secretary.

NEW PARKS.

ALL THE OWNERS OF AND PERSONS IN-terested in the lands and premises and buildings embraced within the limits of Crotona Parkway, Crotona Park, Claremont Park, and St. Mary's Park, as described in chapter 523 of the Laws of 1884, are hereby notified and requested to produce before the Commissioners of Estimate, duly appointed herein by order of the Supreme Court, at their office, at No. 45 William street, at one o'clock in the afternoon of April 2, 3, 4, 5 and 6, 1888, at one o'clock p. m., their proofs of title; and the said owners and persons interested are also notified and required to produce at the same time and place their proofs of loss and damage to said lands and premises or buildings, and the said owners and persons are hereby further notified that said Commissioners of Estimate will sit at said place and hear said proofs of loss and damage offered by said owners and persons interested on the following days, to wit:

April 2, 3, 4, 5 and 6, 1888, at one o'clock p. m.
April 7, 1888, at eleven o'clock a. m.
April 9, 10, 11, 12 and 13, 1888, at one o'clock p. m.
April 14, 1888, at eleven o'clock a. m., which last mentioned day shall be the final day of hearing for said owners and persons interested.

And also to hear the proofs of loss and damage to said lands and premises which shall be offered in behalf of the City of New York, on the following days, to wit:

April 16, 18 and 20, 1888, at one o'clock p. m.; April 23, 25 and 27, 1888, at one o'clock p. m.; April 30, May 2 and May 4, 1888, at one o'clock p. m.

LUTHER R. MARSH, Chairman,
GEORGE W. QUINTARD,
J. SEAVEY PAGE, Commissioners.

Dated New York, March 23, 1888.

JURORS.

NOTICE IN RELATION TO JURORS FOR STATE COURTS.

OFFICE OF THE COMMISSIONER OF JURORS,
ROOM 127, STEWART BUILDING,
CHAMBERS STREET AND BROADWAY,
NEW YORK, June 1, 1887.

APPLICATIONS FOR EXEMPTIONS WILL BE heard here, from 9 to 4 daily, from all persons hitherto liable or recently serving who have become exempted from jury duty by reason of physical disability.

Those who have not answered as to their liability, or proved permanent exemption, will receive a "jury enrollment notice," requiring them to appear before me this year. Where no such notice has been received, it is presumed that the person is not liable, and no answer is required in person, if possible, and at this office only under severe penalties. If exempt, the party must bring proof of exemption; if liable, he must also answer in person, giving true and correct name, residence, etc., etc. No attempt paid to letters.

Persons "enrolled" as liable must serve when called or pay their fines. No mere excuse will be allowed or interference permitted. The fines if unpaid will be entered as judgments upon the property of the delinquents.

All good citizens will aid the course of justice, and secure reliable and respectable jurors, and equalize their duty by serving promptly when summoned, allowing their clerks or subordinates to serve, reporting to me any attempt at bribery or evasion, and suggesting names for enrollment. Persons between sixty and seventy years of age, summer absentees, persons temporarily ill, and United States Jurors are not exempt.

Every man must attend to his own notice. It is a misdemeanor to give any jury paper to another to answer. It is also punishable by fine or imprisonment to give or receive any present or bribe, directly or indirectly, in relation to a jury service, or to withhold any paper or make any false statement, and every case will be fully prosecuted.

CHARLES REILLY,
Commissioner of Jurors.

GAS COMMISSION.

DEPARTMENT OF PUBLIC WORKS.

TO CONTRACTORS.

PROPOSALS FOR ESTIMATES FOR FURNISHING, OPERATING AND MAINTAINING ELECTRIC LAMPS FOR THE PERIOD OF ONE YEAR, COMMENCING MAY 1, 1888, AND ENDING APRIL 30, 1889, FOR LIGHTING SUCH STREETS OR PARTS OF STREETS, PARKS AND PUBLIC PLACES OF THE CITY OF NEW YORK AS MAY BE DETERMINED UPON BY THE MAYOR, COMPTROLLER AND COMMISSIONER OF PUBLIC WORKS AFTER THE ESTIMATES ARE OPENED.

ESTIMATES FOR THE ABOVE WILL BE RE-ceived at the office of the Commissioner of Public Works, No. 31 Chambers street, City of New York, until 12 o'clock m. of WEDNESDAY, MAY 9, 1888, at which place and time they will be publicly opened by said Commissioner and read.

Any person making an estimate for the above shall furnish the same in a sealed envelope, indorsed "Estimate for Furnishing, Operating and Maintaining Electric Lamps"; and also with the name of the person making the same, and the date of its presentation.

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, they shall distinctly state the fact; also, that it is

made without any connection with any other person making any estimate for the same supplies and 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 same, that the several matters stated therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person or persons making the bid or estimate, they will, on its being so awarded, become bound as his or their sureties for its faithful performance; and that if he or they shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he or they would be entitled upon 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 and County of New York, and is worth the amount of security required for the completion of the contract, and stated in the proposals, over and above all his debts of every nature, and over and above his liabilities to the city, county, and otherwise, and that he has offered himself as a surety of good faith, and with an intention to execute the bond required by law.

Bidders are required to state in their estimates the district or several streets, avenues, piers, parks and public places, or parts of streets, avenues, piers, parks and public places in which they propose to perform the requirements herein contained, giving in detail the number of lamps which it is proposed to furnish for lighting each street, etc., and in case the district or any portion of the district which is contemplated in the bid is not lighted by the bidder with electric arc lamps at the time of the making of the bid, he must submit a map or sketch showing clearly the proposed location of lamps, poles and conducting wires in such district must be submitted with the bids.

Bidders must state the kind or system of light they propose to furnish.

Bidders are required to state the price per night for each lamp at which they propose to furnish, operate and maintain a light in accordance with the requirements of the specifications and for the period mentioned in the agreement.

The bidders are required to write out the amount of their bids in their estimates, in addition to inserting the same in figures.

Bidders are required to state the number and locations of the central stations at which the electric current is to be generated, and what provision, if any, will be made against the successful bidder's neglecting to execute the work of damage to the central station by fire.

The amount of security required is Twenty-five Thousand Dollars.

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 cent 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 office or clerk of the Department who has charge of the Estimate-book, 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 person making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

The award of any contract, if awarded, will be made as soon as practicable after the opening of the bids.

No should the person or persons to whom a contract is so awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to his bid or estimate, or if he accept, but does not execute the contract and pay for the proper security, it may be readvertised and relet as provided by law and ordinance.

Bidders are informed that no deviation from the specifications will be allowed, unless a written permission has been previously obtained from the Mayor, Comptroller, and Commissioner of Public Works.

The right is also reserved, when an estimate is made, of requiring bids for the lighting of one or more streets, avenues, piers, parks or places, to accept from such estimate or bid so much thereof as may be the lowest per lamp in any one or more of such streets, avenues, piers, parks or places, and to reject the remainder of such estimate or bid which may not be the lowest as aforesaid. The contract for lamps in any particular street, avenue, pier, park or place, will be awarded, if awarded, to the lowest bidder per lamp in such particular street, avenue, pier, park or place.

The right is also reserved to regulate the number of lamps which may be erected and their location and disposition, in order to best illuminate the streets, parks and other public places for the lighting of which bids may be received. The right is also reserved to decline all estimates if deemed for the best interests of the City.

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

If the estimate of any bidder shall include any streets or parts of streets, parks or public places not lighted by electric arc lamps, or not so lighted by the bidder at the time of the making of the bid, and a contract for furnishing, operating and maintaining lamps in such streets, or parts of streets, parks or public places shall be awarded to such bidder, in that case, thirty days from the date of the execution of such contract, and such further time as may be deemed reasonable by the Mayor, Comptroller and Commissioner of Public Works, shall be allowed to such bidder in which to erect poles and lamps and establish conducting wires, all of which shall be done by the party of the second part without expense to the City.

But no payment to such bidder, on account of any such lamps, will be made for the time so allowed, nor until the same shall have been established in complete working order, nor except for the time during which all the requirements herein mentioned shall have been fully performed.