

# THE CITY RECORD.

## OFFICIAL JOURNAL.

VOL. XXV.

NEW YORK, MONDAY, AUGUST 23, 1897.

NUMBER 7,388.

### DEPARTMENT OF BUILDINGS.

Pursuant to section 5, chapter 803, Laws of 1896, notice is herewith given of changes in the rules and regulations heretofore adopted by the Superintendent of Buildings in relation to the plumbing and drainage of all buildings, both public and private, in the City of New York.

The changes hereinafter noted are as follows: New matter is italicized, and matter omitted noted by brackets [ ].

Otherwise the rules and regulations remain unchanged, but have been rearranged under subjects, and numbered for purposes of convenient reference.

Extract from chapter 803, Laws of 1896:

"Hereafter the plumbing and drainage of all buildings, both public and private, in the City of New York, shall be executed in accordance with the rules and regulations adopted by the Superintendent of Buildings. Said rules and regulations, and any changes thereof, shall be published in the CITY RECORD on eight successive Mondays, before the same shall become operative."

### RULES AND REGULATIONS FOR PLUMBING, DRAINAGE, WATER SUPPLY AND VENTILATION OF BUILDINGS.

#### I. Filing of Drawings, Descriptions, etc.

1. Drawings and triplicate descriptions on forms furnished by the Department of Buildings, for all plumbing and drainage, shall be filled in with ink and filed by the owner, architect or plumber in the said Department.

2. [And] The said plumbing and drainage shall not be commenced or proceeded with until said drawings and descriptions shall have been so filed and approved by the Superintendent of Buildings.

3. No modification of the approved drawings and descriptions will be permitted unless either amended drawings and triplicate descriptions, or an amendment to the original drawings and descriptions, covering the proposed change or changes, are so filed and approved by the Superintendent of Buildings.

4. It shall not be lawful to do said plumbing and drainage except pursuant to said approved drawings and descriptions or approved amendments thereof.

5. Repairs or alterations of plumbing and drainage may be made without the filing and approval of drawings and descriptions in the Department of Buildings; but said repairs or alterations shall not be construed to include cases where new vertical and horizontal lines of soil, waste, vent or leader pipes are proposed to be used.

6. Notice of said repairs or alterations shall be given to the said Department before the same are commenced, in all cases, except where leaks are stopped or obstructions are removed.

7. Said notice shall consist of a description in writing of the work to be done, of the location of the property where the same is executed, and of the names and addresses of the owner and of the plumber.

8. Said notice shall not, however, be required when repairs or alterations are ordered by the Board of Health, for sanitary reasons, where such repairs or alterations do not include cases where new vertical and horizontal lines of soil, waste, vent or leader pipes are proposed to be used. In such cases, to wit, where repairs or alterations ordered by the Board of Health for sanitary reasons include cases where new vertical and horizontal lines of soil, waste, vent or leader pipes are proposed to be used or old ones replaced, drawings and descriptions must be filed, with and approved by the Superintendent of Buildings, before the same shall be commenced or proceeded with.

9. [Said] All repairs and alterations shall comply in all respects with the weight, quality, arrangement and venting of the rest of the work in the building.

10. The plans must be drawn to scale in ink on cloth, or they must be cloth prints of such scale drawings, and shall consist of such floor plans and sections as may be necessary to show clearly all plumbing work to be done, and must show partitions and method of ventilating water-closet apartments.

11. Written notice must be given to the Department of Buildings by the plumber when any work is begun, and from time to time when any work is ready for inspection.

#### II. Definition of Terms.

12. The term "private sewer" is applied to main sewers that are not constructed by and under the supervision of the Department of Public Works or the Department of Street Improvements of the Twenty-third and Twenty-fourth Wards.

13. The term "house sewer" is applied to that part of the main drain or sewer extending from a point two feet outside of the outer face of the outer front vault or area wall to its connection with the public sewer, private sewer or cesspool.

14. The term "house drain" is applied to that part of the main horizontal drain and its branches inside the walls of the building, and extending to and connecting with the house sewer.

15. The term "soil-pipe" is applied to any vertical line of pipe extending through roof, receiving the discharge of one or more water-closets, with or without other fixtures.

16. The term "waste-pipe" is applied to any pipe, extending through roof, receiving the discharge from any fixtures except water-closets.

17. The term "vent-pipe" is applied to any special pipe provided to ventilate the system of piping and to prevent trap syphonage and back pressure.

#### III. Materials and Workmanship.

18. All materials must be of the best quality, free from defects, and all work must be executed in a thorough, workmanlike manner.

19. All cast-iron pipes and fittings must be uncoated, sound, cylindrical and smooth, free from cracks, sand holes and other defects, and of uniform thickness and of the grade known in commerce as "extra heavy."

20. Pipe, including the hub, shall weigh not less than the following average weights per lineal foot:

DIAMETERS.	WEIGHTS PER LINEAL FOOT.	DIAMETERS.	WEIGHTS PER LINEAL FOOT.
2 inches.....	5½ pounds.	7 inches.....	27 pounds.
3 ".....	9½ " "	8 ".....	33½ " "
4 ".....	13 " "	10 ".....	45 " "
5 ".....	17 " "	12 ".....	54 " "
6 ".....	20 " "		

21. The size, weight and maker's name must be cast on each length of the pipe.

22. All joints must be made with picked oakum and molten lead and be made gas-tight. Twelve (12) ounces of fine, soft pig lead must be used at each joint for each inch in the diameter of the pipe.

23. All wrought-iron and steel pipes must be equal in quality to "standard," and must be properly tested by the manufacturer. All pipe must be lap-welded. No plain black or uncoated pipe will be permitted.

24. After January 1, 1897, wrought-iron and steel pipes must be galvanized, and each length must have the weight and maker's name stamped on it.

25. Fittings for vent-pipes on wrought-iron and steel pipes may be the ordinary cast or malleable steam and water fittings.

26. Fittings for waste or soil pipes must be the special, extra heavy cast-iron recessed and threaded drainage fittings with smooth interior water-way and threads tapered, so as to give a uniform grade to branches of not less than one-fourth of an inch per foot.

27. All joints to be screwed joints made up with red lead, and the burr formed in cutting must be carefully reamed out.

28. Short nipples on wrought-iron or steel pipe, where the unthreaded part of the pipe is less than one and one-half inches long, must be of the thickness and weight known as "extra heavy" or "extra strong."

29. The pipe shall be not less than the following average thickness and weight per lineal foot:

DIAMETERS.	THICKNESSES.	WEIGHTS PER LINEAL FOOT.	DIAMETERS.	THICKNESSES.	WEIGHTS PER LINEAL FOOT.
1½ inches.....	.14 inches.	2.68 pounds.	6 inches.....	.28 inches.	18.76 pounds.
2 ".....	.15 " "	3.61 " "	7 ".....	.30 " "	23.27 " "
2½ ".....	.20 " "	5.74 " "	8 ".....	.32 " "	28.18 " "
3 ".....	.21 " "	7.54 " "	9 ".....	.34 " "	33.70 " "
3½ ".....	.22 " "	9.00 " "	10 ".....	.36 " "	40.06 " "
4 ".....	.23 " "	10.66 " "	11 ".....	.37 " "	45.02 " "
4½ ".....	.24 " "	12.34 " "	12 ".....	.37 " "	48.98 " "
5 ".....	.25 " "	14.50 " "			

30. All brass pipe for soil, waste and vent pipes and solder nipples must be thoroughly annealed, seamless drawn-brass tubing of standard iron-pipe gauge.

31. Connections on brass pipe and between brass pipe and traps on iron pipe must not be made with slip joints or couplings. Threaded connections on brass pipe must be of the same size as iron pipe threads for same size of pipe and be tapered.

32. The following average thicknesses and weights per lineal foot will be required:

DIAMETERS.	THICKNESSES.	WEIGHTS PER LINEAL FOOT.	DIAMETERS.	THICKNESSES.	WEIGHTS PER LINEAL FOOT.
1½ inches.....	.14 inches.	2.84 pounds.	4 inches.....	.23 inches.	11.29 pounds.
2 ".....	.15 " "	3.82 " "	4½ ".....	.24 " "	13.08 " "
2½ ".....	.20 " "	6.08 " "	5 ".....	.25 " "	15.37 " "
3 ".....	.21 " "	7.92 " "	6 ".....	.28 " "	19.88 " "
3½ ".....	.22 " "	9.54 " "			

33. Brass ferrules must be best quality, bell-shaped, extra heavy cast brass, not less than four inches long and two and one-quarter, three and one-half inches, and four and one-half inches in diameter, and not less than the following weights:

DIAMETERS.	WEIGHTS.	DIAMETERS.	WEIGHTS.
2½ inches.....	1 pound 0 ounces.	4½ inches.....	2 pounds 8 ounces.
3½ ".....	1 " 12 " "		

34. One and one-half inch ferrules are not permitted.

35. Soldering nipples must be heavy cast brass or of brass pipe, iron pipe size. When cast they must not be less than the following weights:

DIAMETERS.	WEIGHTS.	DIAMETERS.	WEIGHTS.
1½ inches.....	0 pounds 8 ounces.	3 inches.....	2 pounds 0 ounces.
2 ".....	0 " 14 " "	4 ".....	3 " 8 " "
2½ ".....	1 pound 6 " "		

36. Brass screw caps for cleanouts must be extra heavy, not less than one-eighth of an inch thick [and must have a flange of not less than three-sixteenths of an inch thick]. The screw cap must have a solid square or hexagonal nut, not less than one inch high, with a least diameter of one and one-half inches. The body of the cleanout ferrule must at least equal in weight and thickness the calking ferrule for the same size of pipe.

37. Where cleanouts are required by rules and by the approved plans, the screw cap must be of brass. The engaging parts must have not less than six threads of iron-pipe size and be tapered. Cleanouts must be of full size of trap up to four inches in diameter, and not less than four inches for larger traps.

38. The use of lead pipes is restricted to the short branches of the soil, waste and vent pipes, bends and traps, roof connections of inside leaders and flush pipes.

39. All lead waste, soil, vent and flush pipes must be of the best quality, known in commerce as "D," and of not less than the following weights per lineal foot:

DIAMETERS.	WEIGHTS PER LINEAL FOOT.	DIAMETERS.	WEIGHTS PER LINEAL FOOT.
1½ inches (for flush pipes only)	2½ pounds.	3 inches.....	6 pounds.
1 ".....	3 " "	4 and 4½ inches.....	8 " "
2 ".....	4 " "		

40. All lead traps and bends must be of the same weights and thicknesses as their corresponding pipe-branches. Sheet lead for roof flashings must be six-pound lead and must extend not less than six inches from the pipe, and the joint made water-tight.

41. Copper tubing when used for inside leader roof connections must be seamless drawn tubing not less than 22 gauge, and when used for roof flashings must be not less than 18 gauge.

#### IV. General Regulations.

42. The entire plumbing and drainage system of every building must be entirely separate and independent of that of any other building.

43. Each building must be separately and independently connected with the public or a private sewer.

44. Every building must have its sewer connections directly in front of the building, unless permission is otherwise granted by the Superintendent of Buildings.

45. Where there is no sewer in the street or avenue, and it is possible to construct a private sewer to connect in an adjacent street or avenue, a private sewer must be constructed. It must be laid outside the curb, under the roadway of the street.

46. Cesspools and privy-vaults will be permitted only after it has been shown to the satisfaction of the Superintendent of Buildings that their use is absolutely necessary.

47. When allowed, they must be constructed strictly in accordance with the terms of the permit issued by the Superintendent of Buildings.

48. Cesspools will not be permitted under any circumstances for tenement and lodging houses, nor will they be allowed outside of the frame-building district.

49. As soon as it is possible to connect with a public sewer, the owner must have the cesspool and privy-vault emptied, cleaned and disinfected and filled with fresh earth, and have a sewer connection made in the manner herein prescribed.

50. All pipe-lines must be supported at the base on brick piers or by heavy iron hangers from the cellar-ceiling beams, and along the line by heavy iron hangers at intervals of not more than ten feet.

51. All pipes issuing from extension or elsewhere, which would otherwise open within thirty feet of the window of any building, must be extended above the highest roof and well away from and above all windows.

52. The arrangement of all pipes must be as straight and direct as possible. Offsets will be permitted only when unavoidable.

53. All pipes and traps should, where possible, be exposed to view. They should always be readily accessible for inspection and repairing.

54. In every building where there is a leader connected to the drain, if there are any plumbing fixtures, there must be at least one four (4) inch pipe extending above the roof for ventilation.

#### V. Yard, Area and Other Drains.

55. All yards, areas and courts must be drained.

56. Tenement-houses and lodging-houses must have their yards, areas and courts drained into the sewer.

57. These drains, when sewer-connected, must have connections not less than three inches in diameter. They should [if possible] be controlled by one trap—the leader trap if possible. [Leader-pipes must be sewer-connected if possible.]

58. Cellar drains will be permitted only where they can be connected to a trap with a permanent water seal.

59. Subsoil drains should discharge into a sump or receiving tank, the contents of which must be lifted and discharged into the drainage system above the cellar bottom by some approved method. Where directly sewer-connected, they must be cut off from the rest of the plumbing system by a brass flap valve on the inlet to the catch basin, and the trap on the drain from the catch basin must be water-supplied, as required for cellar drains.

#### VI. Leaders.

60. All buildings shall be kept provided with proper metallic leaders for conducting water from the roofs in such manner as shall protect the walls and foundations of said buildings from injury. In no case shall the water from said leaders be allowed to flow upon the sidewalk, but the same shall be conducted by pipe or pipes to the sewer. If there be no sewer in the street upon which such buildings front, then the water from said leaders shall be conducted by proper pipe or pipes below the surface of the sidewalk to the street gutter.

61. Inside leaders must be made of cast-iron, wrought-iron or steel, with roof connections made gas and water tight by means of a heavy lead or copper-drawn tubing wiped or soldered to a brass ferrule or nipple calked or screwed into the pipe.

62. Outside leaders may be of sheet metal, but they must connect with the house drain by means of a cast-iron pipe extending vertically five feet above the grade level.

63. Leaders must be trapped with cast-iron running traps so placed as to prevent freezing.

64. Rainwater leaders must not be used as soil, waste or vent pipes, nor shall any such pipe be used as a leader.



## VII.

*The House Sewer, House Drain, House Trap and Fresh-air Inlet.*

65. Old house sewers can be used in connection with the new buildings or new plumbing only when they are found, on examination by the plumbing inspector, to conform in all respects to the requirements governing new sewers.

66. When a proper foundation, consisting of a natural bed of earth, rock, etc., can be obtained, the house sewer can be of earthenware pipe.

67. Where the ground is made or filled in, or where the pipes are less than three feet deep, or in any case where there is danger of settlement by frost or from any cause, and when cesspools are used, the house sewer must be of extra heavy cast-iron pipe with lead-calked joints.

68. The house drain and its branches must be of extra heavy cast-iron, when under ground, and of extra heavy cast-iron or galvanized tarred or asphalted-wrought-iron or steel when above ground.

69. The house drain must properly connect with the house sewer at a point two feet outside of the outer front vault or area wall of the building. An arched or other proper opening must be provided for the drain in the wall to prevent damage by settlement.

70. If possible, the house drain must be above the cellar floor. The house drain must be supported at intervals of ten feet by eight inch brick piers or suspended from the floor beams, or be otherwise properly supported by heavy iron-pipe hangers at intervals of not more than ten feet. The use of pipe-hooks for supporting drains is prohibited.

71. No steam-exhaust, boiler blow-off or drip pipe shall be connected with the house drain or sewer. Such pipes must first discharge into a proper condensing tank, and from this a proper outlet to the house sewer outside of the building must be provided. In low-pressure steam systems the condensing tank may be omitted, but the waste connection must be otherwise as above required.

72. The house drain and sewer must be run as direct as possible, with a fall of at least one-quarter inch per foot, all changes in direction made with proper fittings, and all connections made with Y branches and one-eighth and one-sixteenth bends.

73. The house sewer and house drain must be at least four inches in diameter where water-closets discharge into them. Where rain water discharges into them, the house sewer and house drain up to the leader connections must be in accordance with the following table:

DIAMETER.	FALL 1/4-INCH PER FOOT.	FALL 1/2-INCH PER FOOT.
6 inches .....	5,000 square feet.	7,500 square feet of drainage of area.
7 " .....	6,900 "	10,300 "
8 " .....	9,100 "	13,600 "
9 " .....	11,600 "	17,400 "

74. Full size Y and T branch fittings for handhole cleanouts must be provided where required on house drain and its branches.

75. An iron running trap must be placed on the house drain near the wall of the house, and on the sewer side of all connections, except a drip-pipe where one is used. If placed outside the house or below the cellar floor, it must be made accessible in a brick manhole, the wall of which must be eight inches thick, with an iron or flagstone cover. When outside the house, it must never be less than three feet below the surface of the ground.

The house trap must have two cleanouts with brass screw cap ferrules calked in.

76. A fresh-air inlet must be connected with the house drain just inside of the house trap, where under ground it will be of extra heavy cast-iron. Where possible it will extend to the outer air, and finish with a return bend at least one foot above grade and fifteen feet away from any window or cold-air box. When this arrangement is not possible, the fresh-air inlet must open into the side of a box not less than eighteen inches square, placed below the sidewalk at the curb. The bottom of the box must be eighteen inches below the under side of the fresh-air inlet pipe. The box may be of cast-iron, or it may be constructed with eight-inch walls of brick, or flagstone laid in hydraulic cement. The box must be covered by a flagstone fitted with removable metal grating, leaded into the stone, having openings equal in area to the area of the fresh-air inlet, and not less than one-half inch in their least dimension. The fresh-air inlet must be of the same size as the drain up to four inches; for five-inch and six-inch drains it must not be less than four inches in diameter; for seven-inch and eight-inch drains not less than six inches in diameter; and for larger drains not less than eight inches in diameter.

## VIII.

*Soil and Waste Pipes.*

77. All main, soil, waste or vent pipes must be of iron, steel or brass.

78. When they receive the discharge of fixtures on any floor above the first they must be extended in full calibre at least one foot above the roof coping, and well away from all shafts, windows, chimneys, or other ventilating openings. When less than four inches in diameter, they must be enlarged to four inches at a point not less than one foot below the roof surface by an increaser not less than nine (9) inches long.

79. No caps, cowls or bends shall be affixed to the top of such pipe.

80. In tenement-houses and lodging-houses wire baskets must be securely fastened into the opening of each pipe that is in an accessible position.

81. Necessary offsets above the highest fixture branch must not be made at an angle of less than 45 degrees to the horizontal.

82. Soil and waste pipes must have proper Y branches for all fixture connections.

83. Branch soil and waste pipe must have a fall of at least one-quarter inch per foot.

84. Short T Y branches will be permitted on vertical lines only. Long one-quarter bends and long T Y's are permitted. Short one-quarter bends and double hubs, short roof increasers and common offsets, and bands and saddles are prohibited.

[The sizes of soil and waste pipes must not be less than those given in the following table: Main soil-pipe, 4 inches in diameter; main waste-pipe, 2 inches in diameter; branch soil-pipe, 4 inches in diameter; branch waste for laundry tubs, 2 inches in diameter; branch waste for kitchen sink, 2 inches in diameter; soil-pipe for water-closets on five or more floors, 5 inches in diameter; waste-pipes for kitchen sinks on five or more floors, 3 inches in diameter; main soil-pipe for three family tenement-houses exceeding three stories, 4 inches in diameter.]

85. The diameters of soil and waste pipes must not be less than those given in the following table:

Main soil-pipes .....	4 inches.
Main soil-pipes for water-closets on five or more floors .....	5 "
Main soil-pipes for tenement-houses exceeding three stories .....	5 "
Branch soil-pipes .....	4 "
Main waste-pipes .....	2 "
Main waste-pipes for kitchen sinks on five or more floors .....	3 "
Branch waste for laundry tubs .....	2 "
Branch waste for kitchen sinks .....	2 "
Branch waste for other fixtures .....	1 1/2 "

## IX.

*Vent-pipes.*

86. All traps must be protected from syphonage and back pressure, and the drainage system ventilated by special lines of vent-pipes.

87. All vent-pipe lines and main branches must be of iron, steel or brass. They must be increased in diameter and extended above the roof as required for waste-pipes. They may be connected with the adjoining soil or waste-line well above the highest fixture, but this will not be permitted when there are fixtures on more than six floors.

88. All offsets must be made at an angle of not less than forty-five degrees to the horizontal, and all lines must be connected at the bottom with a soil or waste pipe or the drain in such a manner as to prevent the accumulation of rust scale.

89. Branch vent-pipes should be kept above the top of all connecting fixtures, to prevent the use of vent-pipes as soil or waste pipes. They will not be permitted lower than the outlet of the highest fixture in the group. Branch vent-pipes should be connected as near to the crown of the trap as possible.

90. Earthenware traps for water-closets and slop sinks must be ventilated from the branch soil or waste pipe just below the trap, and this branch vent-pipe must be so connected as to prevent obstruction, and no waste-pipe connected between it and the fixture. Earthenware traps must have no vent-horns.

91. No sheet metal, brick or other flue shall be used as a vent-pipe.

92. The sizes of vent-pipes throughout must not be less than the following:

For main vents and long branches, two inches in diameter; for water-closets on three or more floors, and in all tenement-houses exceeding three stories in height, three inches in diameter; for other fixtures on less than seven floors, two inches in diameter; three-inch vent-pipe will be permitted for less than nine stories; for more than eight and less than sixteen stories, four inches in diameter; for more than fifteen and less than twenty-two stories, five inches in diameter; for more than twenty-one stories, six inches in diameter; branch vents for traps larger than two inches, two inches in diameter; branch vents for traps two inches or less, one and one-half inches in diameter.

For fixtures other than water-closets and slop sinks and for more than eight (8) stories, vent-pipes may be one (1) inch smaller than above stated.

## X.

*Traps.*

93. Every fixture must be separately trapped by a water-sealing trap placed as close to the fixture outlet as possible.

94. A set of wash-trays may connect with a single trap, or into the trap of an adjoining sink,

provided both sink and tub waste outlets are on the same side of the waste line, and the sink in nearest the line. When so connected the waste-pipe from the wash-trays must be branched in below the water seal.

95. The discharge from any fixture must not pass through more than one trap before reaching the house drain.

96. All traps must be well supported and set true with respect to their water levels.

97. All traps must have a water seal of at least one and one-half inches.

98. No masons' cesspool, bell, pot, bottle or D trap will be permitted, nor any form of trap that is not self-cleaning, nor that has interior chamber or mechanism, nor any trap, except earthenware ones that depend upon interior partitions for a seal.

99. All fixtures other than water-closets and urinals must have strong metallic strainers or bars over the outlets to prevent obstruction of the waste-pipe.

100. All exposed or accessible traps, except water-closet traps, must have brass trap screws for cleaning the trap placed on the inlet side, or below the water level.

101. All iron traps for house drain, yard and other drains and leaders must be running traps with hand hole cleanouts of full size of the traps when same are less than five (5) inches. All traps underground must be made accessible by brick manholes with proper covers.

102. Overflow pipes from fixtures must in all cases be connected on the inlet side of traps.

103. All earthenware traps must have heavy brass floor plates soldered to the lead bends and bolted to the trap flange, and the joint made gas-tight with red or white lead. The use of rubber washers for floor connections is prohibited.

104. No trap shall be placed at the foot of main soil and waste pipe lines.

[Traps for water-closets must not be less than four inches in diameter; traps for slop sinks must not be less than two inches in diameter; traps for kitchen sinks must not be less than two inches in diameter; traps for urinals must not be less than two inches in diameter; traps for other fixtures must not be less than one and one-half inches in diameter.]

105. The sizes for traps must not be less than those given in the following table:

Traps for water-closets .....	4 inches in diameter.
Traps for slop sinks .....	2 "
Traps for kitchen sinks .....	2 "
Traps for wash-trays .....	2 "
Traps for urinals .....	2 "
Traps for other fixtures .....	1 1/2 "

## XI.

*Safe and Refrigerator Waste Pipes.*

106. Safe and refrigerator waste pipes must be of galvanized iron, and be not less than one (1) inch in diameter, with lead branches of the same size, with strainers over the inlets secured by a bar soldered to the lead branch.

107. Safe waste-pipes must not connect directly with any part of the plumbing system.

108. Safe waste-pipes must either discharge over an open, water-supplied, publicly placed, ordinarily used sink, placed not more than three and one-half feet above the cellar floor, or they may discharge upon the cellar floor.

109. The safe waste-pipe from a refrigerator cannot discharge upon the ground or floor. It must discharge over an ordinary portable pan, or over some properly trapped, water-supplied sink, as above.

110. The branches on vertical lines must be made by Y fittings, and be carried up to the safe with as much pitch as possible.

111. Lead safes must be graded and neatly turned over bevel strips at their edges.

112. Where there is an offset on a refrigerator waste-pipe in the cellar, there must be cleanouts to control the horizontal part of the pipe.

113. In tenement-houses and lodging-houses the refrigerator waste-pipes must extend above the roof, and must not be larger than one and one-half inches, nor the branches smaller than one and one-quarter inches. These branches must have full-size, accessible traps.

114. Refrigerator waste-pipes, except in tenement-houses, and all safe waste-pipes, must have brass flap-valves at their lower ends.

## XII.

*Fixtures.*

115. [Fixtures in tenement-houses, lodging-houses, factories and work-shops the water-closets must be set on marble, slate or tile, and the back and ends of the water-closet apartment must be made waterproof with some similar non-absorbent material.]

115. In tenement-houses, lodging-houses, factories and work-shops, the water-closet apartment must be made water-proof with marble, slate or tile.

In tenement-houses, when the closet is used by one family only, the base must be at least six inches high. In all other cases where it is required, it must be as high as the seat.

116. In tenement-houses and lodging-houses the water-closet and urinal apartments must have a window opening to the outer air or to a ventilating shaft not less than 10 square feet in area.

117. In all buildings the outside partition of such apartment must extend to the ceiling or be independently ceiled over, and these partitions must be air-tight [except at the bottom of the door, which must be cut away or provided with openings to promote ventilation]. The outside partitions must include a window opening to outer air on the lot whereon the building is situated, or some other approved means of ventilation must be provided. When necessary to properly light such apartments, the upper part of the partitions must be made of glass. The interior partitions of such apartments must be dwarf partitions.

118. The general water-closet accommodations for a tenement or lodging house cannot be placed in the cellar.

119. No water-closet can be placed outside of [the] a building.

120. The closets must be set open and free from all inclosing woodwork.

121. Where water-closets will not support a rim seat, the seat must be supported on galvanized iron legs, and a drip tray must be used.

122. [Earthenware water-closets must be set on marble or slate in all new work, and when it is not impossible to use it because of water-pipes or other obstructions in all alterations of old work.]

122. Every earthenware closet in all new work and in all alterations where it is not impossible to use it because of water pipes or other obstructions, must be set on a natural stone slab. Sand or artificial stone or tile will not be allowed.

123. All water-closets must have earthenware flushing rim bowls. "Pipe-wash" bowls or hoppers will not be permitted.

124. Pan, valve, plunger, offset-washout and other water-closets having an unventilated space, or whose walls are not thoroughly washed at each discharge, will not be permitted.

125. Long hoppers will not be permitted, except where there is an exposure to frost.

126. Where water-closet or other fixture traps are of iron they must be porcelain-lined. Drip trays must be enameled on both sides and secured in place.

127. In all [other] sewer-connected occupied buildings there must be at least one water-closet, and there must be additional closets so that there will never be more than 15 persons per closet.

128. In tenement-houses and lodging-houses there must be one water-closet on each floor, and when there is more than one family on a floor there will be one additional water-closet for every two additional families.

129. In lodging-houses where there are more than 15 persons on any floor, there must be an additional water-closet on that floor for every 15 additional persons or fraction thereof.

130. Water-closets and urinals must never be connected directly with or flushed from the water-supply pipes.

131. Water-closets and urinals must be flushed from [a] separate cisterns on each floor, the water from which is used for no other purpose.

132. The overflow of cisterns may discharge into the bowls of the closet, but in no case connect with any part of the drainage system.

133. Iron water-closet and urinal cisterns and automatic water-closet and urinal cisterns are prohibited.

134. The copper lining of water-closet and urinal cisterns must not be lighter than ten (10) ounce copper.

135. Water-closet flush-pipes must not be less than one and one-fourth inches and urinal flush pipes one (1) inch in diameter, and if of lead must not weigh less than two and one-half pounds and two pounds per lineal foot. Flush couplings must be of full size of the pipe.

136. Latrine's trough water-closets and similar appliances may be used only on written permit from the Superintendent of Buildings, and must be set and arranged as may be required by the terms of the permit.

137. All urinals must be constructed of materials impervious to moisture that will not corrode under the action of urine. The floor and walls of the urinal apartments must be lined with similar non-absorbent and non-corrosive material.

138. The platforms or treads of urinal stalls must never be connected independently to the plumbing system, nor can they be connected to any safe waste-pipe.

[Iron troughs or urinals must be enameled or galvanized. In tenement-houses or lodging-houses sinks must be entirely open, on iron legs or brackets, without any inclosing woodwork. Wooden and cement washtubs are prohibited.]

139. Iron trough water-closets and trough urinals must be enameled or galvanized.

140. In tenement-houses and lodging-houses sinks must be entirely open, on iron legs or brackets, without any inclosing woodwork.

141. Wooden washtubs are prohibited. Cement or artificial stone tubs will be permitted, provided the same be made in the following manner, to wit: The cement or artificial stone to be one part good Portland cement to not more than three parts crushed or broken granite, gneiss, or equally hard stone, broken to a size not larger than will go through a one-inch ring, well tamped; each tub



to be branded with the manufacturer's name, and with the absolute mixture stamped on said tub, samples of which shall be filed and approved by this Department; each compartment of the tub shall have a separate bottom outlet, with a through-and-through fitting, and overflows shall be external to the tub.

## XIII.

## Water Supply for Fixtures.

142. All water-closets and other plumbing fixtures must be provided with a sufficient supply of water for flushing, to keep them in a proper and cleanly condition.
143. When the water-pressure is not sufficient to supply freely and continuously all fixtures, a house-supply tank must be provided, of sufficient size to afford an ample supply of water to all fixtures at all times. Such tanks must be supplied from the pressure or by pumps, as may be necessary; when from the pressure ball-cocks must be provided.
144. If water-pressure is not sufficient to fill house-tank, power-pumps must be provided for filling them in tenement-houses, lodging-houses, factories and workshops.
145. Tanks must be covered so as to exclude dust, and must be so located as to prevent water contamination by gases and odors from plumbing fixtures.
146. House supply-tanks must be of wood or iron or of wood lined with tinned and planished copper.
147. House tanks must be supported on iron beams.
148. The overflow pipe should discharge upon the roof, where possible, and in such cases should be brought down to within six (6) inches of the roof, or it must be trapped and discharged over an open and water-supplied sink not in the same room, not over  $3\frac{1}{2}$  feet above the floor. In no case shall the overflow be connected with any part of the plumbing system.
149. Emptying pipes for such tanks must be provided, and be discharged in the manner required for overflow pipes, and may be branched into overflow pipes.
150. No service-pipes or supplying-pipes should be run, and no tanks, flushing cisterns for water-supplied fixtures should be placed where they will be exposed to frost.
151. Where so placed they shall be properly packed, and boxed in such a manner as to prevent reezing, and to the satisfaction of the plumbing inspector.

## XIV.

## Testing the Plumbing System.

152. The entire plumbing and drainage system within the building must be tested by the plumber, in the presence of a plumbing inspector, under a water or air test, as directed. All pipes must remain uncovered in every part until they have successfully passed the test. The plumber must securely close all openings as directed by the Inspector of Plumbing. The use of wooden plugs for this purpose is prohibited.
153. The water test will be applied by closing the lower end of the main-house drain and filling the pipes to the highest opening above the roof with water. If the drain or any part of the system is to be tested separately, there must be a head of water at least six (6) feet above all parts of the work so tested, and special provision must be made for including all joints and connections in at least one test.
154. The air test will be applied with a force-pump and mercury columns under ten pounds pressure, equal to twenty inches of mercury. The use of spring gauges is prohibited.
155. After the completion of the work, when the water has been turned on and the traps filled, the plumber must make a peppermint or smoke test in the presence of a plumbing inspector, and as directed by him.
156. The material and labor for the tests must be furnished by the plumber. Where the peppermint test is used, two ounces of oil of peppermint must be provided for each line up to five stories and basement in height, and for each additional five stories or fraction thereof, one additional ounce of peppermint must be provided for each line.

STEVENSON CONSTABLE, Superintendent of Buildings.

## FIRE DEPARTMENT.

RULES AND REQUIREMENTS OF THE BOARD OF COMMISSIONERS OF THE FIRE DEPARTMENT, CITY OF NEW YORK, FOR THE INSTALLATION OF ELECTRICAL APPARATUS, ETC., FOR ELECTRIC LIGHT, POWER AND HEAT. ADOPTED, 1897, AS PROVIDED FOR BY THE LAWS OF 1892, SECTION 517 $\frac{1}{2}$ .

HEADQUARTERS FIRE DEPARTMENT, NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET, NEW YORK, August 7, 1897.

Rules and regulations prescribed by the Board of Commissioners of the Fire Department of the City of New York regarding electric wires, currents and appliances for the supply of light, power and heat, within buildings in the City of New York, as required by section 517 $\frac{1}{2}$  of chapter 410 of the Laws of 1882.

Notice must be given of any intended installation of plants for furnishing electric current, or placing of wires or apparatus for light, power or heat in any building in the city, to the Superintendent of Fire-Alarm Telegraph and Electrical Appliances, from whom blank forms may be obtained for the purpose, and no wires, currents or appliances for use in furnishing electric currents for light, power or heat shall hereafter be introduced into, or placed in any building in the City of New York, unless the same be done in compliance with the following rules:

## CENTRAL STATIONS AND ISOLATED PLANTS.

## CLASS A.

## For Electric Light, Heat and Power.

- Rule No. 1, Generators—A. Should be located in a dry place and thoroughly protected from injury due to water from surrounding piping, etc.
- B. Must not be placed in a room where any hazardous process is carried on, or where they would be exposed to inflammable gases or material.
- C. Must each have the frame permanently connected to ground, unless surrounded by an approved insulating platform, which will be required for all generators of over 300 volts. Platform must be of sufficient size to prevent personal contact with generator, except from platform.
- D. Must (unless located in a room used exclusively for generating or power plants) be so inclosed or railed in as to prevent accidental personal contact with generators, pulleys or belts while they are in operation.
- E. Must each be so insulated that the joint insulation resistance between all the windings and the frame shall be at least one megohm, except in the case of generators not exceeding one kilowatt capacity. "Tests for insulation will not be made by this Department until after ten days' operation, and necessary facilities for making such tests must be provided by the operator at any time thereafter as may be required by this Department."
- F. Must each be provided with approved metal drip pans or other suitable devices adequate to collect oil and prevent it from being thrown upon adjacent material.
- G. Must each have the speed and normal capacity in volts and amperes stamped in or cast on the metal frame where they may be readily seen. Letters and figures must be at least one quarter inch long for generators of five kilowatt capacity or less, and at least one-half inch long for generators of greater capacity.
- H. Must each have the maker's name or trade mark where it may be readily seen.
- I. Must each be provided with an approved direct-reading ampere meter, in which the error must not exceed five per cent.
- Generators not exceeding one kilowatt capacity are exempt from this rule, except those having capacity of more than twenty amperes.
- J. Must be provided with an approved direct reading voltmeter in which the error must not exceed three per cent. (When grouped or jointly operated one voltmeter may be used if connected by an approved switch.)
- Generators not exceeding one kilowatt capacity and those developing an electro-motive force not exceeding twenty volts are exempt from this rule.
- K. Must each be provided with an approved switch connecting with the external circuits and having sufficient capacity to control its entire output.
- L. Must (when of the compound wound direct current type and when connected in multiple) have an equalizer connection of carrying capacity adequate for the maximum current likely to be carried thereby, and controlled by an approved switch but without fuse or other cut-out appliance.
- M. Must each have an approved double pole, fusible or electro-magnetic cut-out (when of the constant potential type) that will disconnect it from circuit before it is overloaded fifty per cent. in excess of its rated output.
- N. Must not have wooden connecting boards for the assemblage of terminal or other contacts.
- Rule No. 2, Care and Attendance: Dynamo Rooms—A. Must have a competent man in attendance upon generators when they are in operation.
- B. Must be provided with a self-closing metal can (having legs which raise it at least three inches above the floor) in which all oily waste must be placed and removed daily.
- Rule No. 3, Conductors—From generators to switchboards, rheostats and instruments may be run, as follows:
  - A. Exposed, on approved incombustible insulating supports.
  - All supports must be so placed that contiguous conductors not of the same potential, shall be kept apart the distance requisite to comply with Rule No. 25, Section B.
  - The wires, if used, must have an insulation equal to that of the conductor. Neither tie wires nor conductors should be injured in tying, nor should they rest in contact with any substance other than the insulating supports.
  - Conductors must be sufficiently tight to preserve the requisite distance apart, and must not be "hitched" around the insulators.
  - B. Concealed in moulding if the electro-motive force does not exceed three hundred volts.
  - Moulding must be continuous and will not be allowed in connection with other forms of wiring, excepting connections to generators, switchboards, etc.
  - If such connections are extended in conduit, the conduit must be fitted into the ends of the

moulding; if by so-called "exposed work," conductors must be separated the required distance, and must otherwise conform to the requirements of Section A of this rule.

C. Concealed in approved trench.

If a drained trench forming an underground passage is used, conductors having approved insulation and without metallic armor must be rigidly secured on approved insulators; separation and method of fastening to be the same as in Rule 25, Section B and Section A of this rule.

Such trench or passage must be provided with a suitable metal cover so designed that water will be excluded and that the conductors will be easily accessible.

If provided with lead or other approved metal armor, conductors may be laid on insulated grooved supports securely fastened, the grooves to be not less than two inches apart and rounded or bushed to prevent injury to the armor.

D. Concealed in approved metal pipe.

Conductors having approved solid insulation, protected by lead armor, may be used in iron or steel pipe having a smooth inner surface, provided they are installed without injury to the armor.

E. Concealed in approved conduit.

Conductors may be placed in approved metal armored or approved glazed conduit, which may be exposed or concealed.

The interior lining of the conduit must not soften when exposed to a temperature of two hundred degrees Fahrenheit.

Pipe conduit joints must be made water-tight under a pressure of fifteen pounds per square inch. Metal conduits must be provided with approved end bushings of insulating material, and all conduit ends must be left open.

All conduits must be so placed that neither the lining of the conduit nor the insulation of the conductor will be injured by heat from steam or hot-water pipes or otherwise.

F. Must be covered with approved solid insulating material at least ninety-three one thousandths ( $\frac{93}{1000}$ ) of an inch in thickness, and protected by a braided or other approved armor sufficient to withstand the abrasion to which they may be subjected in installation and service.

G. Must be protected when passing through floors, walls, partitions, etc., by continuous, incombustible, insulating tubes of glass, porcelain or other material, samples of which have been submitted to and approved by this Department. When passing through single board partitions and not liable to dampness an insulating bushing of hard rubber, flexible tube or other material that will prevent abrasion may be used.

Must be so placed when run from floor tubes into moulding that moisture cannot follow conductors into the moulding.

Tubes of brittle material, such as glass or porcelain, if passing through floors, must be protected above the floor-line by a substantial wooden box or casing that does not come in contact with the insulation on the conductor.

H. Floor tubes must be rigidly secured in place and should project at least four inches above the floor and one inch below the ceiling. The four-inch projection above the floor will not be required on tubes of glass or porcelain, which are provided with an approved flange on the upper end.

In rooms where floor joists are exposed the tubes should extend at least two inches below lower line of joists.

Rule No. 4, Main Switch Boards—A. Must be provided for each isolated plant and used for the assemblage of main dynamo switches, main circuit or feeder switches, instruments, etc.

B. Must be so placed and protected as to remove all possibility of communicating fire to any part of the building. If instruments, switches or other devices on the board are within eighteen inches of combustible material, such material must be made fireproof.

Floors of wood, or other combustible material, must be made fireproof at least eighteen inches beyond the vertical projection of the board and its electrical attachments.

Ceilings within eighteen inches of the top of switch-boards must be protected in like manner.

C. Must be easily accessible from all sides when connections are on the back, and a space of at least eighteen inches should be left between the bus-bars and the wall. They may be placed against a brick or stone wall when the wiring and connections are entirely on the front.

D. Must not be inclosed, either wholly or in part, by combustible material, unless such material be covered with approved incombustible sheathing.

E. Must be of incombustible material or of filled hard wood. If wood is used the board must be of skeleton form, and all switches, fuses, instruments, etc., mounted thereon must have bases of slate, porcelain or other approved incombustible material. Slate, if used, must be free from deposits of conducting material and filled on all surfaces to prevent the absorption of moisture.

F. Must have bus-bars firmly secured in position, and all conductors connected thereto must be provided behind the switch-board with extra heavy insulation for both electrical and mechanical protection.

Rule No. 5, Resistance Boxes and Feeder Equalizers (including Supports)—A. Must be placed on the switchboard or at a distance of not less than one foot from combustible material or separated therefrom by a non-inflammable, non-absorptive insulator, such as glass, porcelain or filled slate.

B. Must be so constructed that heated metal or other material can not fall from the box. Insulating material must be fireproof and non-absorptive.

C. Must have supporting frames of metal of sufficient strength to resist the ordinary strains to which they may be subjected.

D. Must be so proportioned that the current they are designed to carry shall not cause the temperature to increase to an extent that will injure the connections.

E. Must be so constructed as not to support an arc between contacts.

Rule No. 6, Lightning Arresters, when used—A. Must be attached to each side of every overhead circuit connected with the station. They must be mounted, outside the building, on incombustible bases, so as to be in plain sight, easily accessible, and in such a position that they cannot communicate fire to adjacent material.

B. Must be connected with at least two "earths" by separate conductors. Each conductor must have an area of at least fifty thousand circular mils and should be run as nearly as possible in a straight line from the arrester to the earth connection.

C. Must be constructed so that they will not maintain an arc after the discharge has passed.

Rule No. 7, Testing—A. All circuits must be tested by the parties operating same when required by this Department, to discover any insulation weakness or leakage, abnormal, in view of potential and system or method of operation.

B. Ground indicating or detecting devices must be provided for each generating plant, to which they must be permanently connected or placed so as to be readily attached.

C. Data of all Central Station tests must be subject to inspection by this Department, copies of test reports to be furnished when required.

Rule No. 8, Motors—A. Should be located in a dry place and thoroughly protected from injury due to water from surrounding pipes, etc.

B. Must not be placed in a room where any hazardous process is carried on or where they would be exposed to inflammable gases or material.

C. Must have the frame permanently connected to ground, unless surrounded by an approved insulating platform, which will be required for all motors connected to circuits of over three hundred volts.

Platform must be of sufficient size to prevent personal contact with motor except from platform.

D. Must, if exceeding one-horse power (unless located in a room used exclusively for power or generating plants), be inclosed or railed in so as to prevent accidental personal contact with motors, pulleys or belts while they are in operation, and (excepting motors of one-half horse power or less, also pump, elevator or other direct connected motors, where the frame of the motor becomes a part of the machine to which it is connected), they must be mounted on metal bases.

Belt-tightening tracks, if used, must be of iron or steel.

E. Must each be so insulated that the joint insulation resistance between all the windings and the frame shall be at least one megohm, except in the case of motors of one-half horse power or less.

Tests for insulation shall not be made by this Department until after ten days' operation, and necessary facilities for making such tests must be provided by the operator at any time thereafter as required by this Department.

When directly connected to ceiling fans, motors must be insulated from supporting devices.

F. Must be kept clean, and except for motors of one-half horse-power or less, they must each be provided with approved metal drip-pans or other suitable devices adequate to collect oil, and prevent it from being thrown upon adjacent material.

G. Must each have the speed, normal horse-power and volt stamped in or cast on the metal frame, where they may be readily seen. Letters and figures must be at least one-quarter inch long for motors of five-horse power or less, and at least one-half inch long for motors of greater capacity.

H. Must each have the maker's name or trade-mark where it may be readily seen.

I. Must each (if of the constant potential type) be wired for in accordance with the requirements of Rule No. 25, Section A.

J. Must each (if of the constant potential type and over one-horse power) be controlled by an approved double-pole switch with cut-out fuses, or by an approved double-pole electro-magnetic cut-out.

Single-pole switches may be used only on motors of one-horse power or less.

NOTE.—If a circuit breaker is used to comply with Rule No. 9, Section B, none will be required under this rule.

K. Must be connected to branch circuits having carrying capacity at least fifty per cent. in excess of the rated capacity of the motor.

Rule No. 9, Resistance or Starting Boxes (one speed)—A. Must, if used, be placed between the motor and the main switch or circuit breaker, so that when the switch is open the rheostat will be completely disconnected from the circuit.

B. Must be as specified in Rule 5, and if connected to motors exceeding one-horse power, must be protected by an approved double-pole automatic electro-magnetic circuit breaker, unless double-



pole fusible cut-out and double-pole knife switch are used, in which case a single-pole circuit-breaker will be accepted.

The electro-magnetic circuit breaker or switch must be so designed and adjusted that it will automatically cut off current from the motor whenever the supplying circuit is interrupted, and shall operate automatically to cut off the current before its flow shall exceed for a period of less than one minute the normal requirements of the motor by more than fifty per cent.

Circuit breakers mounted on starting-box frames must act independently of the rheostat contact lever, and must be so arranged that the switch cannot be closed except when all the resistance of the box is in circuit.

NOTE—If a circuit breaker is used to comply with Rule No. 8, Section J, none will be required under this rule.

C. Must be so designed that an arc cannot be maintained between contacts.

D. Must (if used for speed regulation) be as specified in Rule 5; and must be so connected that the resistance can be in circuit before current can be supplied to the motor, and so designed that an arc cannot be maintained between contacts.

#### CLASS B.

##### Arc (Series) Systems—Over 300 Volts.

Rule No. 10, Outside Overhead Conductors Connected with Interior Wiring—A. Must be covered, where entering or attached to buildings, with insulating material protected by an approved braided weather-proof armor which will not readily carry fire, or by an approved lead armor.

Insulation that will be approved for service conductors must be solid, at least ninety-three thousandths ( $\frac{93}{1000}$ ) of an inch in thickness, and must (after two weeks' immersion in water at 70 degrees Fahrenheit and three days' immersion in lime water) show an insulating resistance of at least one megohm per mile with an electro-motive force of 550 volts and after one minute's electrification.

B. Must have (when carrying current having a difference of potential of more than 3,000 volts) special insulation, samples of which have been submitted to and approved by this Department.

C. Must have drip-loops at point of entrance to building.

Holes through which conductors pass must be bushed with continuous, water-proof, incombustible insulating tubes, which must slant upward toward the building and which must be securely fastened in position.

D. Must be so placed that moisture cannot form a cross or ground connection.

Must not be less than six inches apart and at least one inch clear of all material other than the insulating supports.

When it is necessary to reduce the above distance between conductors entering buildings or connecting with hanger-boards or cut-off boxes or other approved appliances, additional insulation must be provided if required by this Department.

E. Must not be less than seven feet above the highest point of flat roofs, nor less than one foot above the ridge of pitched roofs over which they pass or to which they are attached.

F. Must be secured to deep grooves, insulators of glass or porcelain, samples of which have been submitted to and approved by this Department.

Tie-wires must have an insulation equal to that of the conductors. Neither tie-wires nor conductors should be injured in tying, nor should they rest in contact with any substance other than the insulating supports. Conductors must not be "hitched" around insulators.

G. Must be so spliced or joined as to be both mechanically and electrically secure without solder; joints must then be soldered to insure their preservation, and must be covered with an insulation equal to that of the conductors.

H. Must comply with the rules governing high-tension interior conductors if placed in a vault or area that is accessible to others than employees of the lighting company.

Rule No. 11, Service Blocks—A. Must be covered over their entire surface with at least two coats of water-proof paint.

B. Cross-arms carrying electric-light or power wires must not carry wires for other service.

Rule No. 12, Interior Conductors—A. Must connect with the overhead or underground service at the front of the building (or, in isolated plants, at the switchboard) and must be controlled by a double contact service switch, placed near the point of entrance and easily accessible. This switch must effectually close the main circuit and disconnect the interior wiring when it is turned off. It must so operate that it can neither stop nor carry an arc between the contact points; it must be designed to indicate on inspection, whether the current is "on" or "off," and must be mounted in an incombustible moisture-proof case.

The use of Rotative "Snap Switches" will not be permitted on circuits carrying over 150 volts.

B. Must be supported on insulators of porcelain, glass or other approved material.

The distance between exposed conductors of opposite polarity must be in accordance with Rule No. 25, Section B.

When it is necessary to reduce these distances between conductors connecting with hanger-boards or cut-off boxes or other appliances, additional insulation must be provided if required by this Department.

C. Must be in tubes of glass, porcelain, or other approved material, where passing through floors, walls and partitions, and must be protected from possible personal contact for a height of not less than seven feet above each floor by suitable boxing, or by a continuous insulated iron pipe, said pipe to extend from a point not less than seven feet above the floor to a point one inch below the ceiling underneath, and inclosed in wooden boxing above the floor to prevent accidental personal contact with the pipe, the insulation of which must be approved for the conditions under which it is to be used. Wooden boxing may also be placed over exposed conductors, but it must not be within half an inch of the insulation. Conductors so boxed must be fastened to approved insulators rigidly secured in place.

Must have water-drips at lower end of floor bushings so as to prevent water entering the boxing. If insulated iron pipe is used its insulation must extend at least one-half inch beyond the pipe, or such pipe may be bushed at each end in such manner that the edge cannot abrade or cut the insulation of the conductor.

Floor tubes should be rigidly secured in place and should project at least four inches above the floor and one inch below the ceiling, except tubes of glass or porcelain provided with an approved flange on the upper end.

In rooms where floor joists are exposed the tubes should extend at least two inches below lower line of joists.

D. Must (whether in the building proper or in a vault that may be technically termed outside the building) be so insulated and boxed that accidental contact with them is practically impossible. All boxing must be dry wood, thoroughly filled with a moisture repellent.

Insulators must support conductors at least one inch from the wall, ceiling or surface to which they are secured.

Tie-wires must have an insulation equal to that of the conductors. Neither tie-wires nor conductors should be injured in tying, nor should they rest in contact with any substance other than the insulating supports. Conductors must not be "hitched" around insulators.

E. Must be protected from contact with gas, water or other piping or conducting material crossing or in proximity to them, by glass, porcelain or other approved insulators rigidly and permanently secured in position. When crossing other electrical conductors they should be protected by approved tubes of glass or porcelain, rigidly secured on each conductor and extending at least two inches beyond the point of crossing.

F. Must have solid insulation at least ninety-three thousandths ( $\frac{93}{1000}$ ) of an inch in thickness and covered with a braided armor that will not readily carry fire. The insulation must show a resistance of at least one megohm per mile after two weeks' immersion in water at 70 degrees Fahrenheit and three days' immersion in lime-water, with an electro-motive force of 550 volts and after one minute's electrification, and must bear a temperature of 140 degrees Fahrenheit without softening.

G. Must be so spliced or joined as to be both mechanically and electrically secure without solder; joints must then be soldered to insure their preservation, and covered with an insulation equal to that on the conductors.

##### Lamps and Other Devices.

Rule No. 13, Arc Lamps—A. Must be provided with a glass globe surrounding the arc, and securely fastened in position. The use of broken or cracked globes will not be permitted.

Focusing and other such lamps on which it is impracticable to use a globe must be provided with a suitable device that will prevent sparks and particles of hot carbon from coming in contact with combustible material.

B. Must be provided with an improved switch (if no hanger-board is used) that will operate without either stopping or causing an arc between the contact points when started, and that will permit of the removal of the lamp whenever necessary without incurring risk of fire or personal injury.

C. Must be provided with reliable stops to prevent carbons from falling out in case the clamps become loose, unless the globe is of such pattern as to entirely inclose the lower carbons.

D. Must be provided, if located near inflammable material, with a wire netting (having a mesh not exceeding two inches) around the globe, and unless the globe or lamp is of such pattern as to make the escape of sparks impossible, an approved spark-arrester must also be used. In such places the use of plain carbon is recommended.

Lamps of the "inclosed arc" type are exempt from this rule.

E. Must be carefully insulated from the circuit and so constructed that spark-arresters can be adjusted without short-circuiting the lamp.

If the chimneys project above the lower surface line of the ceiling they must be entirely covered with insulating material coated with water-repellent substance.

F. Must have insulating supports. Hanger-boards, if used, must be of slate, porcelain, glass or other approved material and so constructed that all wires and current-carrying devices thereon shall be thoroughly insulated.

Each board must be provided with a hand-switch, so that the lamp may be removed from the circuit whenever necessary without incurring risk of fire or personal injury.

Slate or other such material must be free from conducting deposits and must have all surfaces filled with an insulating moisture-repellent.

Rule No. 14—The wiring of each building must be connected to the primary service at front of building. The said service must never supply current to more than one building on each side of that entered by the subsidiary service duct, and this may be done only when connections are made on the floor or basement corresponding to that at which the primary service enters the first building and at a point near the front of building, duly protected and controlled as per Rule No. 17, for constant potential systems, and as per Rule No. 12, Section A, for constant current systems.

#### CLASS C.

##### Incandescent (Low Pressure) Systems—300 Volts or Less.

Rule No. 15, Outside Overhead Conductors—A. Must be covered where entering or attached to buildings with insulating material protected by an approved braided armor which will not readily carry fire.

Insulation that will be approved for service conductors must be solid at least forty-seven thousandths ( $\frac{47}{1000}$ ) of an inch in thickness, and must show an insulating resistance of not less than one megohm per mile after two weeks' immersion in water at 70 degrees Fahrenheit and three days' immersion in lime-water, with an electro-motive force of 500 volts, and after one minute's electrification.

B. Must be so placed that moisture cannot form a cross or ground connection; must not be less than four inches apart and at least one-half inch clear of all material other than the insulating supports.

Where entering buildings or connecting with lamps, receptacles, or other approved devices, and it is necessary to reduce the distance apart, here specified, additional insulation must be provided if required by this Department.

C. Must not be less than seven feet above the highest point of flat roofs, nor less than one foot above the ridge of pitched roofs over which they pass or to which they are attached.

D. Must be secured to insulators of glass, porcelain or other approved material.

Tie wires must have an insulation equal to that of the conductors. Neither tie wires nor conductors should be injured in tying, nor should they rest in contact with any substance other than the insulating supports. Conductors must not be "hitched" around insulators.

E. Must be so spliced or joined as to be both mechanically and electrically secure without solder; joints must then be soldered to insure their preservation, and must be covered with an insulation equal to that of the conductors.

F. Must be provided with an approved switch and cut-out inside of building, easily accessible, and as near as possible to the point of service entrance.

Rule No. 16—Underground Service Conductors—A. Must end outside of the main walls of the building when possible. If, however, it becomes necessary to extend the underground service into the building, the privilege of making such extension must first be obtained from this Department on written application.

Conductors forming the extension must have insulation equal to that of the underground conductors.

The extension must be made in compliance with Sections B, C, D and E of this rule.

B. By conductors having approved solid waterproof insulation and braid, placed in approved insulated iron-armored conduit.

C. By conductors having approved solid waterproof insulation and lead or approved braided armor supported by insulators or cleats of porcelain, glass or other approved material without the use of tie-wires. If lead armor is used it must be permanently connected to ground.

Conductors must not be "hitched" around insulators.

D. By conductors having approved solid waterproof insulation and lead armor placed in iron or steel pipe having smooth inner surface and permanent connection to ground.

E. By extending the subway duct and conductors to the point of connection with the switch and cut-out.

F. Must have at the point of connection with the interior wiring near the front of the building and easily accessible, an approved switch and fusible cut-out, or an approved magnetic circuit breaker that will protect and control each conductor of the circuit. The cut-out must be so placed as to protect the switch.

G. Must be so connected that current cannot be shunted through the building to other outside conductors.

H. Must be protected from contact with gas, water or other piping or conducting material crossing or in proximity to them, by glass, porcelain or other approved insulators rigidly and permanently secured in position. When crossing other electrical conductors they should be protected by approved tubes of glass or porcelain rigidly secured on each conductor and extending at least two inches beyond the point of crossing.

This rule does not refer to conductors crossing underneath iron building beams to which they are rigidly secured by approved insulators that separate them not less than one inch from the beams, nor to conductors crossing beams or other conducting material at such a distance that accidental contact is impossible.

#### GENERAL RULES.

##### Inside Wiring.

Rule No. 17—Must connect with the overhead or underground service at the front of the building (or in isolated plants at the switchboard) by an approved double-pole automatic circuit breaker or approved service switch and fusible cut-out placed near the point of entrance and easily accessible. This switch must effectually disconnect the interior wiring when it is turned off; it must so operate in its action that it can neither stop nor carry an arc between the contact points, and must indicate whether the current is "on" or "off."

The use of rotative snap switches will not be permitted on circuits carrying over one hundred and fifty volts or more than twenty amperes.

Rule No. 18, Conductors, Except "Flexible Cord" used for Fixture or Pendant Work—A. Must be covered, for moulding or conduit work, with insulating material protected by an approved braided armor which will not readily carry fire.

Insulation that will be approved must be solid, at least forty-seven thousandths ( $\frac{47}{1000}$ ) of an inch in thickness, and must show an insulating resistance of not less than one megohm per mile after two weeks' immersion in water at 70 degrees Fahrenheit and three days' immersion in lime-water with an electro-motive force of 550 volts and after one minute's electrification.

B. For conductors exposed on approved insulators or cleats and not liable to dampness, the use of a braided insulating material thoroughly impregnated with a moisture repellent will be permitted. Such insulation should not readily support combustion, should not be less than ninety-three thousandths ( $\frac{93}{1000}$ ) of an inch in thickness and should resist abrasion.

C. Conductors having approved non-inflammable insulating braid without moisture repellent may be used when supported on approved insulators of porcelain or glass as follows:

(a) In ventilated fireproof shafts or chimneys used for this purpose only, inside or outside of the building line.

(b) On dry fireproof ceilings or walls when protected on all sides by a closed fireproof casing, the lower side of which must be perforated or open for ventilation.

(c) Tie wires must have an insulation equal to that of the conductors: Neither tie wires nor conductors should be injured in tying, nor should they rest in contact with any substance other than the insulating supports. Conductors must not be "hitched" around insulators.

D. Must not be smaller than No. 14 B. & S. gauge.

E. Must be protected when passing through floors, walls, partitions, timbers, etc., by continuous incombustible insulating tubes of glass, porcelain or other material, sample of which has been submitted to and approved by this Department. When passing through single board partitions and not liable to dampness, an insulating bushing of hard rubber, flexible tube or other material that will prevent abrasion may be used.

Must be so placed when run from floor tubes into moulding that moisture cannot follow the conductor into the moulding.

Tubes of brittle material, such as glass or porcelain, if passing through floors, must be protected above the floor line by a substantial wooden box or casing that does not come in contact with the insulation on the conductor.

If insulated iron tubes are used, conductors placed in them must be protected at both ends of the pipe by approved bushings.

Floor tubes should be rigidly secured in place and should project at least four inches above the floor and one inch below the ceiling, excepting tubes of glass or porcelain which are provided with a flange on the upper end.

In rooms where floor joists are exposed, the tubes should extend at least two inches below lower line of joists.

F. Must be protected from contact with gas, water or other piping or conducting material crossing or in proximity to them, by glass, porcelain or other approved insulators rigidly and permanently secured in position. When crossing other electrical conductors they should be protected by approved tubes of glass or porcelain rigidly secured on each conductor and extending at least two inches beyond the point of crossing.

This rule does not refer to conductors crossing underneath iron building beams to which they are rigidly secured by approved insulators that separate them not less than one inch from the beams, nor to conductors crossing beams or other conducting material at such a distance that accidental contact is impossible.

G. Must be so spliced or joined as to be both mechanically and electrically secure without solder; joints must then be soldered to insure their preservation, and covered with an insulation equal to that on the conductors.

#### SPECIAL RULES.

Rule No. 19, Wiring not encased in approved moulding or conduit (on finished walls, ceilings,



etc.)—A. Must be supported wholly on insulators or cleats of glass or porcelain, and must not be "hitched" around insulators.

Tie wires must have an insulation equal to that of the conductors. Neither tie wires nor conductors should be injured in tying, nor should they rest in contact with any substance other than the insulating supports.

B. Must, if possible, be run over rather than under all pipes upon which condensation is likely to gather, or which, by leaking, might injure the insulation.

C. Must be protected when passing through floors, walls, partitions, timbers, etc., by incombustible insulating tubes of glass, porcelain or other material, samples of which have been submitted to and approved by this Department. When passing through single board partitions and not liable to dampness, an insulating bushing of hard rubber, flexible tube, or other material that will prevent abrasion may be used.

Tubes of brittle material, such as glass or porcelain, if passing through floors, must be protected above the floor line by a substantial wooden box or casing that does not come in contact with the insulation on the conductor.

If insulated iron tubes are used, conductors placed in them must be protected at both ends of the pipe by approved bushings.

Floor tubes should be rigidly secured in place and should project at least four inches above the floor and one inch below the ceiling, excepting tubes of glass or porcelain which are provided with a flange on the upper end.

In rooms where floor joists are exposed the tubes should extend at least two inches below lower line of joists.

D. Must not be laid in plaster, cement or like material, nor fastened with staples. When not liable to dampness, they may be "fished" on the loop system if inclosed throughout in continuous flexible tubing or conduit, samples of which have been submitted to and approved by this Department. This class of concealed work will be permitted only for short distances, and must further comply with the requirements of Rule No. 22 pertaining to flexible conduits.

Concealed wiring on insulators or cleats will not be approved.

#### In Unfinished Lofts, etc.

E. Must be so placed that an air space of not less than three-fourths of an inch will be permanently maintained around each conductor. In wet or damp places the above air space must be at least one inch.

F. Must be at least four inches apart if carrying more than ten amperes, and must be supported by approved insulators in such a manner that moisture cannot form a cross or ground connection.

Conductors carrying not more than ten amperes, if two and one-half inches apart, will be approved.

G. Must be considered as exposed to moisture if immediately under roofs or in close proximity to water tanks or pipes.

Twin conductors or conductors of opposite polarity on one insulator will not be approved.

Rule No. 20, Wooden Moulding—A. Must not be used for concealed work, in damp places, nor in unfinished lofts.

B. Must not be placed upon or secured to another line of moulding containing electric conductors, except at point of crossing.

C. Must not be so placed that plaster or other finishing material will be closed up around it so as to expose only the capping.

D. Must have at least two coats of water-proof paint on all surfaces, or must be thoroughly impregnated with some other approved moisture repellant that will not readily carry fire.

When it is desired that moulding shall harmonize with natural wood or other finish, the use of boiled oil, shellac, varnish, or good oil paint as a repellant will be permitted.

It is preferred that shellac shall not be used when the desired result can be obtained otherwise.

E. Must consist of backing and capping so fitted together that the conductors will be entirely inclosed and a distance of at least three-eighths of an inch for circuits carrying not more than ten amperes, and one-half inch for all others shall be maintained between conductors of opposite polarity.

The backing must be at least three-eighths of an inch in thickness.

Conductors of the same polarity when placed in one groove must each be marked throughout in an improved manner so as to clearly indicate at any point the circuit to which it belongs.

F. Must be so placed that conductors entering it from floor tubes will not carry moisture into the moulding.

G. Approved conduit may be used for short runs in finished buildings, in connection with a moulding installation. The conduits, one for each conductor, may be "fished" (if flexible) between plaster or other open partitions, or between the floor and the ceiling, but must project beyond each outlet, and must further comply with the requirements of Rule No. 22 pertaining to this class of work.

Rule No. 21, Wiring Especially subjected to Moisture, Acid Fumes, etc.—A. Conductors (except lamp pendants) must be at least four inches apart in buildings or rooms in which they are subject to moisture or fumes liable to injure them.

B. Must be supported on insulators of porcelain, glass or other approved material.

Cleats will not be approved.

C. Must be provided with a waterproof insulation specially approved for the conditions under which it will be used.

Flexible cord must not be used in this class of work.

D. Must be protected by approved double-pole cut-outs and controlled by double-pole switches, which must be placed as near as possible to the point of entrance but not within rooms to which this rule applies.

E. Must be of an approved waterproof type, or the socket and lamp must be inclosed in a water-tight globe.

Rule No. 22, Interior Conduits—A. Must consist of a protective tube with or without insulating lining.

Iron or Steel Armored Conduits—B. Must have a protective tube of iron or steel, having a wall thickness equal to at least sixty-two and one-half per cent. of the thickness of a standard wrought-iron gas-pipe of same inside diameter, if of steel, and at least seventy-five per cent. if of iron.

C. Must have an approved insulating lining firmly secured to the inside of the protective tube, and which will not soften or crack when exposed to a temperature of two hundred degrees Fahrenheit.

D. Should have the two or more conductors of a circuit in the same conduit.

E. Flexible Conduits—Must have a protective tube of approved non-inflammable material and an insulating lining firmly secured to the inside of the protective tube, and which will not soften or crack when exposed to a temperature of two hundred degrees Fahrenheit.

F. Must not be supplied with a twin conductor or with two separate conductors in a single tube.

G. Must not be placed in any material that will injure them, such as plaster, cement, etc.

H. Must be protected, unless provided with iron or steel armor, when concealed and liable to mechanical injury, by a sheet of metal of suitable thickness and width.

When crossing the upper edge of floor beams, conduits must be in channels and protected their entire length by sheet metal coverings.

When placed on brick or stone walls they must be likewise protected, except when in wall channels of sufficient depth to leave a space of two and one-half inches between the outside surface of the conduit and the finished surface-line of the wall, when the metal coverings will not be required. Under such circumstances the tubes must be secured to the back of the channel and must not be plastered in.

When placed in an exposed wooden-box or shaft, no further protection from mechanical injury will be necessary.

When in partitions having an open space of not less than two and one-half inches, conduits not having iron or steel armor must be placed between the inner surfaces, but not, under any circumstances, in the plaster. Conduits so placed need not have metal protection from mechanical injury, except where passing through wooden studding or other such solid material.

I. Protective tubes without insulating lining.

Protective tubes of iron or steel, having a wall thickness equal to at least sixty-two and one-half per cent. of the thickness of a standard wrought-iron gas-pipe of same inside diameter if of steel, and at least seventy-five per cent. if of iron, and having a smooth inner surface, may be used as conduits, without insulating lining, for conductors having approved lead armor.

Protective tubes so used must have their entire inner surface covered with a compound that will prevent the formation of rust and which will not injure the insulation nor be injured by the installation of the conductors.

J. Should have the two or more conductors of a circuit in the same conduit.

K. Approved glazed earthen or stoneware conduits.

Must be jointed with cement and thoroughly cleaned on the inside before conductors are drawn in.

L. Must be of mechanical strength equal to iron or steel conduits or protected as required by Section H of this rule.

All Conduits—M. Must have a smooth inner surface and be of sufficient strength and size (not less than seven-sixteenths of an inch interior diameter) to permit the installation or removal of conductors, whenever desired, without injury to conductors or conduit.

N. Must be waterproofed and of such materials that will not ultimately injure, by the elements of their composition, the insulation of the conductor.

O. Must be so placed that neither the lining of the conduits nor the insulation of the conductors will be injured by heat from steam or hot water pipes or otherwise.

P. Must be continuous from one junction box to another or the fixture outlets.

Q. Must be reamed at the ends and all burrs removed.

R. Must have all joints made with approved couplings.

S. Must be installed as a complete conduit system, without conductors, fish wires or leads of any kind.

Conductors must not be placed in the conduits until all mechanical work on the building likely to injure them has been completed.

T. Must be Rigidly Secured—Fastenings should be not more than four feet apart, and additional fastenings should be placed at the ends of every elbow or sleeve joint.

Only strap or cleat fastenings should be used for conduit not protected by continuous iron or steel armor.

U. Must extend at least one inch beyond the finished surface of walls or ceilings until the surfacing material is in place and completed, when the projection may be removed.

Outlets should terminate in metal boxes having enamel or other approved insulation equal to that inside of conduits, in which case the projection will not be required.

V. Must be left open at the ends.

W. Must be water-tight throughout under a pressure of fifteen pounds per square inch (excepting flexible conduits).

X. Must be surrounded by approved fire-stops where passing through fireproof walls or partitions and at all floors where the opening exceeds the exterior diameter of conduit by more than one inch.

Y. Must be stamped on each section with the maker's name or trade-mark where it may be readily seen.

Rule No. 23, Approved Cut-outs (Fusible or Electro-Magnetic)—A. Must be placed at every point where a change is made in the size of the conductors unless, in fixture or special work, the cut-out of the larger conductor protects the smaller.

B. Must be so placed that each group or combination of lamps requiring ten amperes or less shall be independently protected. This amount may be increased only by special permission in each case from this Department.

C. Must be so connected that each conductor is secured on a separate contact.

D. Must, when two or more are grouped, have at the point of grouping an approved diagram or list showing size of wire and ampere load of the circuits protected; and each cut-out must be so marked that it can be readily identified with the circuit which it protects.

(Individual Cut-outs)—E. Must be supported on insulating bases of incombustible and moisture-proof material.

F. Must, if possible, be of such construction as to inclose all contacts.

Must, when made with exposed contacts, as in the case of drop-cord rosettes, have an air space of at least one-half inch between said contacts and the surface on which the cut-out bases are mounted.

This space to be increased to one inch for cut-outs mounted on metal surfaces or in places specially liable to dampness, the accumulation of dust or other conditions necessitating such increase.

G. Must, if of the plug type, and carrying more than ten amperes, be inclosed in an approved box.

H. Must plainly show the maximum current and voltage for which they are designed and the maker's name or trademark.

I. Must be easily accessible, in plain sight, and grouped when possible.

J. Must be inclosed in an approved box if exposed to moisture, or where otherwise required by this Department.

Boxes must be made of or lined with slate, marble or other approved material. Asbestos lining will not be approved in places liable to dampness, or, under any circumstances, if less than one-eighth of an inch in thickness.

In places liable to dampness, the boxes must be separated from walls or ceilings by approved incombustible material. Approved porcelain insulators may be used for this purpose if the necessary rigidity of construction can be obtained.

Covers of cut-out boxes must be hinged or otherwise secured in an approved manner, and not nailed or screwed in position.

K. Must not be placed in fixtures unless inclosed by non-absorptive, incombustible material in such manner as to prevent contact between the fuse connections and the fixture.

(Panel Cut-outs)—L. Must, if of the panel type, be so constructed that there shall be no electrical contacts or connections on the back of the panel.

M. Must be so constructed that there shall be a distance between contacts of opposite polarity of not less than one-half inch for potential differences of one hundred and twenty-five volts or less and not less than three-fourths of an inch for potential differences of over one hundred and twenty-five volts and less than three hundred volts.

N. Must not be used for potentials above three hundred volts, except with special permission from this Department and when complying with Rule No. 4.

O. Must be encased with filled slate, marble or other improved incombustible material.

P. Must be closed with fireproof door or cover secured in approved manner and having lock and key.

Glass doors or glass-door linings will be approved if distant at least two inches from any fuse. If not depended on for fireproofing this distance may be less.

Q. When the connection compartment is fireproof the conduits may end after entering it, provided that the circuit conductors shall be protected with additional approved tubular or porcelain insulation, otherwise the conduits must extend without break into the panel box.

R. Must, when installed with connection compartment, be surrounded by an open space of not less than one and three-fourths inches, which space must be closed by a removable front, except when the tablet is installed in a fireproof shaft or closet serving for electrical purposes only and provided with approved doors.

Rule No. 24, Safety Fuses—A. Must plainly show, if carrying five amperes or more, their capacity in amperes, maker's name or trade-mark, and must have hard metal contact surfaces or tips. Perfect electrical connection must be obtained between the contact tip and the fuse wire by soldering or otherwise.

B. Must be surrounded by incombustible and water-proof insulating material, so designed that an arc cannot be maintained across the terminals of the cut-out by the fusing of the metal.

C. Must be so proportioned that they will melt before the current exceeds the maximum safe carrying capacity of the conductors they are intended to protect.

D. Must, if used on panel boards, be on the front of the same.

E. Must not be inclosed in hollow holders, if of more than fifty ampere capacity, except in central stations.

Rule No. 25, Table of Carrying Capacity of Conductors—A. The following table shows the allowable carrying capacity of conductors, containing ninety-eight per cent. pure copper, which must be followed in placing interior conductors:

TABLE A. RUBBER COVERED WIRES.		TABLE B. WEATHERPROOF WIRES.		Circular Mills.	
Amperes.		Amperes.			
B. & S. G.					
18.....	3	5		200,000.....	200
16.....	6	8		300,000.....	270
14.....	12	16		400,000.....	330
12.....	17	23		500,000.....	390
10.....	24	32		600,000.....	450
8.....	33	40		700,000.....	500
6.....	40	65		800,000.....	550
5.....	54	77		900,000.....	600
4.....	65	92		1,000,000.....	650
3.....	76	110		1,100,000.....	690
2.....	90	131		1,200,000.....	730
1.....	107	156		1,300,000.....	770
0.....	127	185		1,400,000.....	810
00.....	150	220		1,500,000.....	850
000.....	177	262		1,600,000.....	890
0000.....	210	312		1,700,000.....	930
				1,800,000.....	970
				1,900,000.....	1,010
				2,000,000.....	1,050

The lower limits is specified for rubber-covered wires to prevent gradual deterioration of the high insulations by the heat of the wires, but not from fear of igniting the insulation. The question of drop is not taken into consideration in the above tables.

Rule No. 25—B. Conductors having difference of potential must be separated not less than the distances given in the following table, except twin or separate conductors when placed in approved conduit or moulding, or when entering switches, cut-outs, or other approved special appliances, in which case additional insulation must be provided if required by this Department:

DISTANCE APART.		DISTANCE APART.	
Up to and including 25 volts.....	1/2 inch.	From 450 to 500 volts.....	4 inches.
From 25 to 50 volts.....	1 1/2 inches.	" 500 to 1,000 ".....	5 "
" 50 to 100 ".....	2 "	" 1,000 to 1,500 ".....	6 "
" 100 to 150 ".....	2 1/2 "	" 1,500 to 2,000 ".....	7 "
" 150 to 200 ".....	3 "	" 2,000 to 2,500 ".....	8 "
" 200 to 250 ".....	3 1/2 "	" 2,500 to 3,000 ".....	9 "
" 250 to 300 ".....	4 "	" 3,000 to 3,500 ".....	10 "
" 300 to 350 ".....	4 1/2 "	" 3,500 to 4,000 ".....	11 "
" 350 to 400 ".....	5 "	Over 4,000 volts.....	12 "
" 400 to 450 ".....	5 1/2 "		

C. The insulation resistance of each installation, when all cut-outs and switches are con-



nected, must be at least equal to the standards shown in the following table for the current and voltage employed:

VOLTS.	50	100	125	150	250	300	500
Amp.	Insulation Resistance in Ohms.						
10.....	1,000,000	2,000,000	2,500,000	3,000,000	5,000,000	6,000,000	10,000,000
15.....	666,000	1,330,000	1,666,000	2,000,000	3,330,000	4,000,000	6,660,000
20.....	500,000	1,000,000	1,250,000	1,500,000	2,500,000	3,000,000	5,000,000
25.....	400,000	800,000	1,000,000	1,200,000	2,000,000	2,400,000	4,000,000
50.....	200,000	400,000	500,000	600,000	1,000,000	1,200,000	2,000,000
100.....	100,000	200,000	250,000	300,000	500,000	600,000	1,000,000
200.....	50,000	100,000	125,000	150,000	250,000	300,000	500,000
300.....	33,300	66,600	83,300	100,000	166,600	200,000	333,300
400.....	25,000	50,000	62,500	75,000	125,000	150,000	250,000
500.....	20,000	40,000	50,000	60,000	100,000	120,000	200,000
600.....	16,600	33,300	41,600	50,000	83,300	100,000	166,600
700.....	14,300	28,600	35,700	42,800	71,400	85,700	143,000
800.....	12,500	25,000	31,200	37,500	62,500	75,000	125,000
900.....	11,100	22,200	27,700	33,300	55,500	66,600	111,000
1,000.....	10,000	20,000	25,000	30,000	50,000	60,000	100,000
1,100.....	9,090	18,180	22,720	27,270	45,450	54,500	90,900
1,200.....	8,330	16,660	20,800	25,000	41,600	50,000	83,300
1,300.....	7,690	15,380	19,200	22,900	38,000	45,600	76,900
1,400.....	7,140	14,280	17,800	21,400	35,700	42,800	71,400
1,500.....	6,660	13,300	16,600	20,000	33,300	40,000	66,600
2,000.....	5,000	10,000	12,500	15,000	25,000	30,000	50,000
2,500.....	4,000	8,000	10,000	12,000	20,000	24,000	40,000
3,000.....	3,330	6,660	8,330	10,000	16,660	20,000	33,300
4,000.....	2,500	5,000	6,250	7,500	12,500	15,000	25,000
5,000.....	2,000	4,000	5,000	6,000	10,000	12,000	20,000
6,000.....	1,660	3,330	4,160	5,000	8,330	10,000	16,660

Rule No. 26, Switches—A. Must be supported on approved incombustible and water-proof insulating bases.

If placed on metal walls, ceilings, etc., or in places specially liable to dampness or accumulation of dust, switch-bases must be separated at least one inch from the surface on which they are mounted by additional backing of incombustible and non-absorptive insulating material.

Porcelain insulators may be used for this purpose, if the necessary rigidity of construction can be obtained.

B. Must simultaneously disconnect from the circuit all conductors beyond them, except in the case of a single-pole switch on a two-wire circuit carrying not more than three amperes, or where attached to the arc-lamps or hanger-boards.

C. Rotative snap-switches must not be used on circuits carrying more than twenty amperes or more than 150 volts.

D. Must have firm, secure and self-cleaning contacts.

When the contacts are inclosed (except the knife-switches), the design must be such that the movement of the handle shall, before stopping, effect a complete opening or closing of the circuit.

E. Must not have hinge or joint contacts dependent on nuts, unless said nuts are "riveted" or "set" in an approved manner.

F. Must plainly show the maximum current and voltage for which they are designed, and the maker's name, and trade-mark.

G. Must, where two or more are grouped, have an approved diagram or list showing the maximum ampere load of the circuits controlled by them, which must be placed at the point of grouping; and each switch must be so marked that it can be readily identified with the circuit which it controls.

H. Must have sufficient carrying capacity to prevent undue heating.

I. Must be so placed, if knife switches are used, whether provided with friction or spring stops, that gravity will not tend to close them. Unless protected by an approved cut-out, the hinges or joints of the blades must be out of circuit when the switch is open.

J. Must be easily accessible, in plain sight, and if grouped or exposed to moisture, must be inclosed in an approved box.

K. Switch-boxes must be made of or lined with slate, marble or other approved material.

Asbestos lining will not be approved in places liable to dampness, or under any circumstances if less than one-eighth of an inch in thickness.

In places liable to dampness switch-boxes for exposed circuit work must be separated from walls or ceilings by approved incombustible material. Approved porcelain insulators may be used for this purpose if the necessary rigidity of construction can be obtained.

Rule No. 27, Fixtures—A. Must be insulated from gas-pipes and other material through which they might make ground connections.

Insulating joints must be used on all combination fixtures and must be made of material that will resist the action of illuminating gases and will not so soften when subjected to a temperature of 200 degrees Fahrenheit. They must be so designed that a deposit of moisture shall not destroy the insulation effect; they must have sufficient strength to resist the strains to which they will be subjected in attachment and service, and their electrical resistance must conform to the insulation standards of this Department.

B. Must be so designed or wired that the insulation on the conductors will not be subjected to pressure, and will not be injured by the motion of any part of the fixtures.

Conductors should be inside of fixtures when possible.

C. Must be wired with conductors having a solid water-proof insulation protected by approved braid.

Fixture stem conductors must not be smaller than No. 16 B. & S. Gauge.

Fixture arm conductors must be stranded and not smaller than No. 18 B. & S. Gauge, which size may also be used for brackets and other fixtures using not more than three amperes.

Must be so spliced or joined as to be both mechanically and electrically secure without solder; joints must then be soldered to insure their preservation and must be covered with an insulation equal to that of the conductors.

D. Must have a smooth inner surface.

Must have all burrs removed before the conductors are drawn in.

E. Must have canopies protected from contact with metal or damp ceilings by a permanent rigidly secured gasket or ring of non-absorptive insulating material.

F. Must, when completely wired, be free from short circuits and contacts between wiring and fixtures, and must comply with the insulation standards given in Rule 25, Section C, before being connected with the supply conductors.

G. Must be supported by approved ceiling blocks or plates if insulating joints are not used. Plates and ceiling blocks, if not made of non-absorptive insulating material, should have bushings of such material in the holes through which the conductors pass.

Gas-pipes supporting fixtures, when extending beyond surfacing material, must be inclosed by non-absorptive insulating tubes which cover all pipes projecting from the ceiling. Contact between the conductors and the grounded part of the insulating joint should be made impossible.

Rule No. 28, Arc Lamps on Multiple Circuits—A. Must be supplied by branch conductors of sufficient size to carry thirty per cent. more than the normal rated current required by the lamp.

See Rule No. 25, Section A, for safe carrying capacity of wires.

B. Must be protected by double pole cut-outs where connecting with main conductors.

C. Must have resistances or regulators so placed that surrounding incombustible material cannot be affected by excessive temperature. Incandescent lamps must not be used for this purpose.

D. Must comply in all other respects with the requirements of Sections A, B, C, E and F of Rule No. 13, governing the use of arc lamps on "Series Circuits."

Rule No. 29, Sockets—A. Must not have any portion that is exposed to contact with outside objects in electrical contact with either conductor.

B. Must have interior insulation of porcelain or other incombustible waterproof material.

C. Must be waterproof or inclosed in vapor-tight globes, if exposed to acid fumes or moisture. If used in outside work they must be so placed that moisture will not follow the base of the lamp into the socket.

D. Must be made of material that will not be injured by the elements surrounding them.

Rule No. 30, Flexible Cord—A. Must be made of two or more stranded conductors insulated from each other by solid moisture-proof material at least sixteen thousandths ( $\frac{1}{160}$ ) of an inch thick and protected from mechanical injury by a braid that will not readily carry fire and will resist the abrasion to which it may be subjected in service.

B. Must not sustain a weight of more than twenty-four ounces if equal to No. 18 B. & S., and must not be used as a pendant to carry more than one ampere.

Cord equal to No. 16 B. & S. Gauge may be used to carry three amperes or less; but must not sustain a weight of more than thirty-two ounces.

C. Must not be used except for pendants, fixture-arms, portable lamps and fan or similar motors not requiring more than three amperes. When used for other than pendant or fixture work the cord must hang loosely in sight, and must connect directly from the receptacle to the portable lamp or motor.

D. Must not be used on walls, partitions or other places where standard methods of wiring can be employed.

E. Must not be used in windows or for elevator work, except in the wiring of fixtures.

F. Must (when required by this Department) be separated from inflammable material by additional insulation.

G. Must be protected by insulating bushings of hard rubber, porcelain or similar material where entering sockets.

H. Must have the ends of the insulating braid taped to prevent fraying.

I. Must be so suspended, in pendant work, that the entire weight of the socket, lamp, etc., will be sustained by a knot under the socket bushing and above the point where the cord leaves the ceiling block or rosette, thus relieving the joints and binding screws from the strain of the suspended weight.

Rule No. 31—In addition to the general rules for low tension wiring, this special rule will be applied to the use of incandescent lamps in series.

#### Incandescent Lamps Connected in Series.

A. Must have a suitable incombustible socket base, the electrical contacts on which must be protected from possible connection with conducting material other than the conductors supplying current.

B. Must not be connected on any circuit having a maximum potential in excess of 300 volts, except in cars, sheds and power houses of electric railway systems, or on generators in central stations.

C. Must be provided with a wire screen or other approved device to prevent possible contact with combustible material when required by this Department.

D. Must be so placed that each group or combination of lamps requiring six amperes or less shall be independently protected. This amount may be increased only by special permission in each case from this Department.

E. When miniature incandescent lamps are connected in series conductors must be of sufficient size to carry, without heating, the current required.

Rule No. 32, Electric-gas Lighting—Where electric-gas lighting is to be used on the same fixture with the electric-light:

a. No part of the gas piping or fixture shall be in electric connection with the gas-lighting circuit.

b. The wires used with the fixtures must have a non-inflammable insulation, or, where concealed between the pipe and shell of the fixture, the insulation must be such as required for fixture wiring for the electric light.

c. The whole installation must test free from "grounds."

d. The two installations must test perfectly free from connection with each other.

#### CLASS D.

#### Alternating Systems—High Potential—Transformers over 300 Volts.

Rule No. 33—A. Must be located, as near as possible, to the point of entrance of the primary service duct.

B. Must have insulation resistance of at least fifty megohms between the primary and secondary coils and also between the conductors and the case.

C. Cases or frames of conducting material inclosing transformers connected to underground circuits must be permanently connected to the ground through the armor of the primary conductors or the duct, and insulated from all other conducting material in an approved manner.

D. Must be so inclosed or railed in, that accidental contact with the case is impossible. Wooden inclosures will not be permitted, unless they are completely lined with non-absorptive incombustible material.

Combustible material must not be placed within two feet of transformer, and a passageway must at all times be left clear so as to permit of easy access to the transformers and connections.

E. Must not be attached to the outer walls of a building, unless they are so protected that accidental personal contact is impossible.

Rule No. 34, Primary Conductors—A. Must be covered, where entering or attached to building, with insulating material protected by an approved braided water-proof armor which will not readily carry fire.

Insulation that will be approved for service conductors must be solid at least one hundred and twenty-five thousandths ( $\frac{1}{160}$ ) of an inch in thickness, and must (after two weeks immersion in water at 70 degrees Fahrenheit, and three days immersion in lime water) show an insulating resistance of at least one megohm per mile with an electromotive force of 550 volts and after one minute's electrification.

B. Must have (when carrying current having a difference of potential of more than 3,000 volts) special insulation, samples of which have been submitted to and approved by this Department.

C. Must end outside of the main walls of the building when possible. If, however, it becomes necessary to extend the underground service into the building, the privilege of making such extension must first be obtained from this Department by written application.

Conductors forming the extension must have insulation equal to that of the underground conductors.

The extension must be made in compliance with Sections D, E, F or G of this rule.

D. By conductors having approved solid water-proof insulation and braid, placed in approved insulated, iron-armored conduit.

E. By conductors having approved solid water-proof insulation and lead or approved braided armor supported by insulators of porcelain glass or other approved material without the use of tie wires. If lead armor is used it must be permanently connected to the ground and must be removed from conductors for a distance of at least one foot from point of connection with switches, cut-outs and transformers.

F. By conductors having approved solid water-proof insulation and lead armor placed in iron or steel pipe having smooth inner surface and permanent connection to ground.

G. By extending the subway duct and conductors to the point of connection with the switch and cut out.

H. Must have at the point of connection with the interior wiring near the front of the building and easily accessible, an approved switch and fusible cut-out, or an approved magnetic circuit breaker that will protect and control each conductor of the circuit. The switch must be so placed as to protect the cut-out.

I. Must, if located in a room that is accessible to persons other than employees of the lighting company, be protected from personal contact by a continuous wooden boxing having a clearance of at least one-half inch from conductors or conduits.

Boxing must be of dry wood, thoroughly filled with a moisture repellent.

J. Must be protected from contact with gas, water or other piping or conducting material crossing or in proximity to them, by glass, porcelain or other approved insulators rigidly or permanently secured in position. When crossing other electrical conductors they should be protected by approved tubes of glass or porcelain rigidly secured on each conductor and extending at least two inches beyond the point of crossing.

This rule does not refer to conductors crossing underneath iron building beams to which they are rigidly secured by approved insulators that separate them not less than one-inch from the beams, nor to conductors crossing beams or other conducting material at such a distance that accidental contact is impossible.

K. Must be so spliced or joined as to be mechanically and electrically secure without solder; joints must then be soldered to insure their preservation, and covered with an insulation equal to that on the conductors.

#### CLASS E.

Rule No. 35, Railway Power Plants—A. Must be equipped in each feed wire before they leave the station with an approved automatic circuit breaker (see No. 44), or other device, which will immediately cut off the current in case of a ground. This device must be mounted on a fireproof base, and in full view and reach of the attendant.

Rule No. 36, Car Wiring—A. Must be always run out of reach of the passengers, and must have an approved rubber insulating covering. (See No. 40A.)

Rule No. 37, Car Houses—A. Must have the trolley wires securely supported on insulating hangers.

B. Must have the trolley hangers placed at such a distance apart that, in case of a break in the trolley wire, contact can not be made with the floor.

C. Must have cut-out switch located at a proper place outside of the building, so that all trolley circuits in the building can be cut out at one point, and line circuit breakers must be installed, so that when this cut-out switch is open the trolley wire will be dead at all points within 100 feet of the building. The current must be cut out of the building whenever the same is not in use or the road not in operation.

D. Must have all lamps and stationary motors installed in such a way that one main switch can control the whole of each installation—lighting or power—independently of main feeder-switch. No portable incandescent lamps or twin wire allowed, except that portable incandescent lamps may be used in the pits, connections to be made by two approved rubber-covered flexible wires (see No. 40A), properly protected against mechanical injury; the circuit to be controlled by a switch placed outside of the pit.

E. Must have all wiring and apparatus installed in accordance with rules under Class "C" for constant potential systems.

F. Must not have any system of feeder distribution centring in the building.

G. Must have the rails bonded at each joint with not less than No. 2 B. & S. annealed copper wire; also a supplementary wire to be run for each track.

H. Must not have cars left with trolley in electrical connection with the trolley wire.

Rule No. 38, Lighting and Power from Railway Wires—A. Must not be permitted, under any pretense, in the same circuit with trolley wires with a ground return, except in electric-railway cars, electric-car houses, and their power-stations, nor shall the same dynamo be used for both purposes.

#### CLASS F.

Rule No. 39, Storage or Primary Batteries—A. When current for light and power is taken from primary or secondary batteries, the same general regulations must be observed as applied to similar apparatus fed from dynamo generators developing the same difference of potential.

B. Storage-battery rooms must be thoroughly ventilated.

C. Special attention is directed to the rules for rooms where acid fumes exist (see No. 24, J and K).



D. All secondary batteries must be mounted on non-absorptive, non-combustible insulators, such as glass or thoroughly vitrified and glazed porcelain.

E. The use of any metal liable to corrosion must be avoided in connections of secondary batteries.

Rule No. 40, Protection against Foreign Currents.—A. Where telephone, telegraph or other wires, connected with outside circuits, are bunched together within any building, or where inside wires are laid in conduits or ducts with electric light or power wires, the covering of such wires must be fire-resisting, or else the wires must be inclosed in an air-tight tube or duct.

B. All aerial conductors and underground conductors, which are directly connected to aerial wires, connecting with telephone, telegraph, district messenger, burglar alarm, watch-clock, electric-time and other similar instruments, must be provided near the point of entrance to the building with some approved protective device which will operate to shunt the instruments in case of a dangerous rise of potential, and will open the circuit and arrest any abnormal current flow. Any conductor normally forming an innocuous circuit may become a source of fire hazard if crossed with another conductor charged with a relatively high pressure.

Protectors must have a non-combustible insulating base, and the cover to be provided with a lock similar to the lock now placed on telephone apparatus or some equally secure fastening, and to be installed under the following requirements:

1. The protector to be located at the point where the wires enter the building, either immediately inside or outside of the same. If outside, the protector to be inclosed in a metallic water-proof case.

2. If the protector is placed inside of building, the wires of the circuit from the support outside to the binding posts of the protector to be of such insulation as is approved for service wires of electric light and power, and the holes through the outer wall to be protected by bushing the same as required for electric-light and power service wires.

3. The wire from the point of entrance to the protector to be run in accordance with rules for high-potential wires, i. e., free of contact with building and supported on non-combustible insulators.

4. The ground wire shall be insulated, not smaller than No. 16 B. & S. gauge copper wire. This ground wire shall be kept at least three inches from all conductors, and shall never be secured by uninsulated, double-pointed tacks, and must be run in as straight a line as possible to the ground connection.

5. The ground wire shall be attached to a water-pipe if possible; otherwise may be attached to a gas-pipe. The ground wire shall be carried to, and attached to, the pipe outside of the first joint or coupling inside the foundation walls, and the connection shall be made by soldering, if possible. In the absence of other good ground, the ground shall be made by means of a metallic plate or a bunch of wires buried in a permanently moist earth.

SPECIAL RULES IN REFERENCE TO ELECTRIC HEATING AND COOKING APPARATUS, GLUE POTS, ETC.

No. 41, Electric Heaters, Ranges and Stoves.—A. These must be placed in safe situations (out of easy reach of inflammable materials) and separated from and supported on non-conducting and incombustible standards or bases so as to be at least four inches from woodwork of any description or other inflammable material, unless protected by non-combustible materials, such as sheet metal and asbestos, or the like, so combined as to prevent appreciable transmission of heat, while securing full insulation. The heating wires or resistance of these heaters, etc., must be inclosed in non-combustible cases adapted to prevent accidental contact with any exterior object or material. These electric heaters, stoves, etc., must never be concealed, but must be at all times in plain sight.

B. They must have double-pole switches, cut-outs, etc., arranged as required for electric lights or power apparatus employing the same current and potential.

C. The attachment of feed wires to "heaters," etc., must be in plain sight, easily accessible and protected from interference, accidental or otherwise.

D. Attachment of conductors to "heaters," etc., must be securely made in the same manner that conductors are attached to motors or generators dealing with currents equal to those employed in these devices, and such conductors must be continuous from the heaters, etc., to the switch or cut-out, which must not be within two feet of said heater, etc. These conductors must be thoroughly well insulated and also covered with a good mechanical protection.

No. 42, Portable Cooking Apparatus, Glue Pots, Curling Irons, etc.—A. The heating coils or resistance of these instruments must be inclosed in non-combustible cases, which in turn must be mounted on non-conducting and non-combustible bases raising the same at least one inch from any surface on which they stand.

B. These instruments must not be attached to lamp-sockets, and when current of more than ten amperes is required they must conform to the same rules as heaters, ranges, etc.

C. Where currents of ten amperes or less are required these instruments may be connected by specifically approved flexible, double or twin-wire conductors, provided such conductor is composed of two multi-strand conductors, each of which is insulated by a water-proof material and asbestos, while both are surrounded by a covering affording adequate mechanical protection. These flexible cords must also be connected to "plug switches," having double-pole fuses in their sockets which will cut out the circuits if a cross connection should occur in the flexible conductor. Moreover, such "plug switches" must be so arranged that the plug will pull out and break the connection if an abnormal mechanical strain is brought on the flexible conductor.

The leading-in wires of these flexible cords must be connected to heaters or the like at the point of lowest temperature, and where such wires are detachable at the heater, their terminals must be arranged with female ends protected by porcelain extending at least 1/8-inch beyond the metal terminals.

If the connection at the heater is fixed, a separable double-pole connector must be placed in the circuit, so that in case an undue strain is brought on the conductors the device will be automatically cut out and disconnected.

Flexible cord connections longer than six feet will not be permitted.

Receptacles for plug attachments must be placed at least six inches above the floor.

Where switches are provided they must conform to the rules laid down in section 26 of the General Requirements.

Where a number of utensils are grouped for general cooking service, installations to be approved must be provided with slate, soapstone or other approved slab or table for utensils to rest upon.

Plug receptacles mounted on slate or other approved material shall be attached to mains running at least six inches above the working service of the table.

Sad irons and other heating appliances that are intended to be applied to inflammable articles, such as clothing, must be arranged as above, as far as connections, etc., are concerned, and must also be provided with approved attachments which will cut off the current when they are not in actual use.

The leading-in wires to these forms of apparatus must be connected through porcelain connecting blocks, and the cable or cord of the same must be passed through an insulated elastic spiral or spring so arranged as to protect the same from kinking, chafing, or like injury at or near the point of connection.

These conductors must be so placed that they will at all times be at least four feet from the floor, and well protected against contact with water-pipes or other possible ground connections.

The use of flexible cord will not be permitted unless specially approved by this Board.

The foregoing requirements must be strictly complied with in all respects, and a certificate of such compliance must be obtained from the Superintendent of Fire-alarm, Telegraph and Electrical Appliances before the introduction of any current for the purpose mentioned in connection with such installations and appliances will be permitted.

By order of the Board.

JAMES R. SHEFFIELD, President.

CARL JUSSEN, Secretary.

NOTICE.—For information blanks, etc., apply to J. Elliot Smith, Superintendent of Fire-alarm, Telegraph and Electrical Appliances, to whom all communications relative to electrical installations should be addressed.

#### APPROVED PAPERS.

*Approved Papers for the week ending August 21, 1897.*

Resolved, That permission be and the same is hereby given to the Elsworth Pleasure Club to suspend a banner from No. 504 East Twelfth street to No. 507 East Twelfth street, on the opposite side, said banner to contain an announcement of the Club's picnic, the work to be done at their own expense, under the direction of the Commissioner of Public Works; such permission to continue only until September 5, 1897.

Adopted by the Board of Aldermen, August 3, 1897. Approved by the Mayor, August 16, 1897.

Resolved, That permission be and the same is hereby given to the Tammany Hall General Committee of the Second Assembly District to parade with a band of music and a live ox through the territory bounded by the Battery, Houston street, East river and the North river, the work to be done at their own expense, under the direction of the Chief of Police; such permission to continue only until August 24, 1897.

Adopted by the Board of Aldermen, August 3, 1897. Approved by the Mayor, August 17, 1897.

Resolved, That permission be and the same is hereby given to Merck & Co. to place and keep an ornamental lamp in front of their premises on the southeast corner of University place and Clinton place, provided the dimensions of the base of said lamp shall not exceed those prescribed by law, viz.: Eighteen inches square at the base, as shown upon the accompanying diagram, the work to be done and gas supplied at their 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, August 3, 1897. Approved by the Mayor, August 17, 1897.

The Mayor, Aldermen and Commonalty of the City of New York ordains as follows:

Section 1. So much of sections 528, 529 and 530 of article XIII. of the revised ordinances as relate to the crying out of wares, or to other means used to attract attention, is construed and made to apply to all persons conducting business on the public highways, or present thereon for the purpose of doing business, or performing, or offering to perform, any work, labor, or services whatever, whether such persons be licensed or not.

Adopted by the Board of Aldermen, August 3, 1897. Approved by the Mayor, August 17, 1897.

Resolved, That permission be and the same is hereby given to the Mutual Reserve Insurance Company to erect and maintain a show-window in front of their premises, No. 304 Broadway, as shown upon the accompanying diagram, provided said show-window does not extend more than twelve inches from the house-line, the work to be done at their 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, August 3, 1897. Approved by the Mayor, August 17, 1897.

Resolved, That permission be and the same is hereby given to John A. Hagemeyer to place, erect and keep a storm-door in front of his premises, No. 306 West Twenty-third street, provided said storm-door be erected in compliance with the provisions of the ordinance of 1886, 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, August 3, 1897. Approved by the Mayor, August 17, 1897.

Resolved, That permission be and the same is hereby given to John A. Hagemeyer to keep a storm-door in front of his premises, No. 259 Eighth avenue, provided said storm-door be erected in accordance with the provisions of the ordinances of 1886, 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, August 3, 1897. Approved by the Mayor, August 17, 1897.

Resolved, That permission be and the same is hereby given to the Trustees of St. Paul's German Evangelical Lutheran Church to extend a vault in front of their premises, Nos. 313 and 315 West Twenty-second street, as shown upon the accompanying diagram, without payment of the usual fee, provided the said trustees stipulate with the Commissioner of Public Works to save the City harmless from any loss or damage that may be occasioned during the progress or subsequent to the completion of the work of extending said vault, the work to be done at their 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, August 3, 1897. Approved by the Mayor, August 17, 1897.

Resolved, That permission be and the same is hereby given to Nonyes Brothers to place, erect and keep a storm-door in front of their premises on Seventeenth street, west of Third avenue, provided said storm-door be erected in compliance with the provisions of the ordinance of 1886, the work to be done at their 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, August 3, 1897. Approved by the Mayor, August 17, 1897.

Resolved, That permission be and the same is hereby given to John J. Redner to place, erect and keep a storm-door in front of his premises on the southeast corner of Forty-second street and Lexington avenue, said storm-door to be built on the Lexington avenue side, 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, August 3, 1897. Approved by the Mayor, August 17, 1897.

Resolved, That permission be and the same is hereby given to John L. Jordan to erect, place and keep a storm-door in front of his premises on the southeast corner of Barclay and West streets, provided said storm-door shall not exceed the dimensions prescribed by law, 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, August 3, 1897. Approved by the Mayor, August 17, 1897.

Resolved, That permission be and the same is hereby given to John L. Jordan to erect, place and keep a show-window in front of his premises on the southeast corner of Barclay and West streets, provided said show does not extend more than twelve inches from the house-line, 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, August 3, 1897. Approved by the Mayor, August 17, 1897.

Resolved, That the resolution permitting George Ringler to keep a clock at No. 203 East Ninety-second street, which was adopted July 13, 1897, and approved July 15, 1897, be and the same is hereby amended by striking out "203 East Ninety-second street" and inserting in lieu thereof the words "northeast corner Ninety-second street and Third avenue."

Adopted by the Board of Aldermen, August 3, 1897. Approved by the Mayor, August 17, 1897.

Resolved, That permission be and the same is hereby given to S. S. Swain to place, erect and keep a storm-door in front of his premises, No. 140 East Fourteenth street, provided said storm-door shall conform in all respects with the provisions of the ordinance of 1886, 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, August 3, 1897. Approved by the Mayor, August 17, 1897.

Resolved, That permission be and the same is hereby given to Adams & Co. to place, erect and keep show-windows in front of their premises on the west side of Sixth avenue, between Twenty-first and Twenty-second street, and also on the south side of Twenty-second street, running west, extending westerly one hundred and thirty-five feet from the southwest corner of Twenty-second street and Sixth avenue, as shown upon the accompanying diagram, the work to be done at their 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, July 27, 1897. Received from his Honor the Mayor, August 17, 1897, without his approval or objections thereto; therefore, as provided in section 75, chapter 410, Laws of 1882, the same became adopted.

Resolved, That permission be and the same is hereby given to Henry C. Miner to place, erect and keep an ornamental iron and glass front over the entrance to his premises on the easterly side of Eighth avenue, between Twenty-fifth street and Twenty-sixth street, as shown upon the accompanying diagram, provided the adjoining property-owners consent thereto, 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, August 3, 1897. Received from his Honor the Mayor, August 17, 1897, without his approval or objections thereto; therefore, as provided in section 75, chapter 410, Laws of 1882, the same became adopted.

Resolved, That permission be and the same is hereby given to Joseph Stromwasser to place and keep a stand for the sale of newspapers and periodicals under the elevated railroad stairs, on the southwest corner of Third avenue and One Hundred and Seventy-fourth street, provided said stand shall be erected in conformity with the provisions of subdivision 3, section 86 of the New York City Consolidation Act of 1882, as amended by the Laws of 1896, and subject to the conditions of an ordinance to regulate the placing of stands under the stairs of the elevated railroad which was adopted by the Board of Aldermen September 3, 1896, and repassed on October 6, 1896.

Adopted by the Board of Aldermen, August 3, 1897. Received from his Honor the Mayor, August 17, 1897, without his approval or objections thereto; therefore, as provided in section 75, chapter 410, Laws of 1882, the same became adopted.

Resolved, That so much of G. O. 1209 as relates to Rossie Okun, southwest corner One Hundred and Twenty-fifth street and Eighth avenue, be and the same is hereby adopted.

Adopted by the Board of Aldermen, August 3, 1897. Received from his Honor the Mayor, August 17, 1897, without his approval or objections thereto; therefore, as provided in section 75, chapter 410, Laws of 1882, the same became adopted.

Resolved, That the following-named persons be and they are hereby respectively reappointed to the office of Commissioner of Deeds in and for the City and County of New York, to date from the expiration of their present terms of office, viz.:

Emanuel Van Dermoot.	Frank H. Daly.	Anthony Huhna.
Jacob Brown.	Robert C. Fritz.	Merritt E. Haviland.

Resolved, That the following-named persons be and they are hereby respectively appointed Commissioners of Deeds in and for the City and County of New York, in the places respectively of those whose names appear opposite, and whose terms of office have expired, viz.:

Max J. Porges, in place of George B. Campbell.	Alois A. Berman, in place of Thomas F. McGuire.
Mark Jacobs, in place of David B. Cahn.	James P. S. Quinn, in place of John H. Mulcahy.
John J. McCoy, in place of John A. Donnegan.	Chas. Centennial Peters, in place of Wm. Douglas Moore.
James J. Thomley, in place of Simon Frankel.	Thos. F. J. Brennan, in place of John F. Pyne.
Conrad R. Schmitt, in place of Philip Franklin.	
Dan Drangle, in place of Miss Martha Guldner.	



Edward J. O'Connor, in place of August J. Gloi-stein.  
Jacob H. Corn, in place of Henry Hahn.  
L. H. Hoeffler, in place of Henry Heres.  
Arthur Blot, in place of H. J. Hanson.  
James Riley, in place of Benjamin Hoffman.  
Louis Lowenstein, in place of Joseph Krieger.  
W. C. Dilger, in place of Arthur E. Kaultuss.  
Edmund A. Kolb, in place of Wm. H. Klinker.  
Joseph B. Rosenback, in place of John Loomam.  
Benj. E. Baker, in place of Nathaniel Levy.  
Frank J. Maloney, in place of Michael J. McLaughlin.  
William G. Brown, in place of Joseph Metzger.

Louis Hirsh, in place of Robert R. Perkins.  
J. W. Reilly, Jr., in place of Otto A. Rosalsky.  
Edward L. Feek, in place of Wm. H. Stone-bridge.  
William S. Hillman, in place of Isaac B. Smith.  
George F. Murr, in place of Jacob Subin.  
Louis Klopfer, Jr., in place of John L. Thornton.  
John P. McCabe, in place of A. F. West.  
Moss Morris, in place of Chas. P. Blaney.  
Paul Jursch, in place of Wm. H. Daly.  
Isaac Rice, in place of Wm. C. Dilger.  
Wm. T. Glover, in place of Alexander Eger.  
Henry C. S. Stimpson, in place of David Fry.  
Edwin J. Gregory, in place of Arthur J. Gormully.

Adopted by the Board of Aldermen, August 17, 1897.  
Resolved, That permission be and the same is hereby given to Henry Hirsch to place and keep movable plants in front of his premises, No. 265 West Twenty-first street, within the stoop-line, the said plants to be retained 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, July 20, 1897. Received from his Honor the Mayor, August 3, 1897, with his objections thereto.  
August 17, 1897, the Board, as provided in section 75, chapter 410, Laws of 1882, proceeded to reconsider the same and upon a vote being taken thereon it was adopted, notwithstanding the objections of his Honor the Mayor, two-thirds of all the members elected voting in favor thereof.  
Resolved, That permission be and the same is hereby given to Ferdinand Schaad to place, erect and keep show-windows in front of his premises, No. 341 East Eighty-sixth street, provided said show-windows do not extend beyond twelve inches from the house-line, 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, August 17, 1897. Approved by the Mayor, August 17, 1897.  
Resolved, That permission be and the same is hereby given to Alfred J. Cammeyer to erect, keep and maintain an ornamental clock in front of their premises on Sixth avenue, between Nineteenth and Twentieth streets, the post of said clock not to be more than eighteen inches square at the base, and the clock not to exceed three feet in diameter, amended August 17, 1897, provided said clock shall not be used for advertising purposes, 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, August 17, 1897. Approved by the Mayor, August 17, 1897.  
Resolved, That the ordinance relating to the discharge of fireworks be and the same is hereby suspended from Harlem river to One Hundred and Sixty-first street, for the evening of August 19, 1897.

Adopted by the Board of Aldermen, August 17, 1897. Approved by the Mayor, August 17, 1897.  
Resolved, That permission be and the same is hereby given to the following-named persons, whose applications for stands have been indorsed by the Alderman of the districts in which they are to be located, to erect, keep and maintain stands for the sale of newspapers, periodicals, fruit and soda-water, and for bootblacking purposes, within the stoop-lines, at the locations set respectively opposite their names, and in compliance with the provisions of an ordinance entitled "An ordinance to regulate the use of the sidewalks of the streets of the City of New York, within the stoop-lines, for stands, etc.":

First Assembly District—Newspaper stand: Theo. W. Taylor, No. 19 Harrison street. Fruit stands: Philip Metzger, No. 76 Chambers street; George Michimicas, No. 102 Barclay street; Frank Spinetta, No. 116 Warren street; Patrick Dowling, No. 165 Spring street. Bootblack stands: J. J. Schu, No. 5 Battery place; Antonio Distefano, No. 33 West Broadway; Luigi Cenis, No. 99 Warren street; Vito Ruggiero, No. 288 Greenwich street; Sebastian Fasanello, No. 321 Church street.

Second Assembly District—Fruit stands: Dominico De Luce, No. 10½ Mott street; Chriotas Grembelas, Nos. 13 and 14 South street; Thomas Sullivan, No. 20 Mott street; Harry Rosenberg, No. 29 Wall street; Harris Finkelstein, No. 63 Bayard street; Karl Sebastian, No. 96 Chambers street; Giuseppe N. Giannella, No. 106 Pearl street; Paul Bacigalupa, No. 314 Pearl street. Soda-water stand: Henry Gassner, No. 52 Mott street. Bootblack stands: Giuseppe Onofrio, No. 18 Bowery; Vito Ruggiero, No. 40 Ann street; Gerardo Cagalloro, No. 46 Fulton street; John D. Feldmann, No. 106 Pearl street.

Third Assembly District—Newspaper stands: Frederick Nadler, No. 123 Bowery; Gussie Antonowsky, No. 116 Allen street; John F. Eck, No. 306 Broome street. Fruit stands: William R. Weber, No. 107 Bowery; Faustino Garcia, No. 20 Prince street; Sebastian Salvato, No. 91 Allen street; Morris Weinberg, No. 117 Orchard street; Abraham Goodman, No. 153 Chrystie street; Pietro Cesso, No. 208 Mott street; Nicola Giacomo, No. 223 Grand street. Soda-water stands: Jacob Segall, No. 53 Bowery; Harris Suffin, No. 9 Eldridge street; Benjamin Bloom, No. 11 Chrystie street; Samuel Spirack, No. 39 Allen street; Max Clar, No. 68 Division street. Bootblack stands: Pietro Amoroso, No. 86 Rivington street; Giuseppe Tichi, No. 251 Canal street; Carmine Mazzotta, No. 321 Broome street.

Fourth Assembly District—Newspaper stand: Thomas Flanagan, No. 459 Grand street. Fruit stand: Jacob Lewin, No. 74 East Broadway. Bootblack stands: Antonio Lafereno, No. 26 Jefferson street; Luigi Ranzo, No. 108 Henry street.

Fifth Assembly District—Fruit stand: Joseph Rabinowitz, No. 251 Stanton street. Soda-water stands: Adam Stone, No. 98½ Essex street; Abe Shapiro, No. 55 Norfolk street; Abraham Robinson, No. 75 Sheriff street; Samuel Soederlov, Nos. 39-41 Suffolk street; Leon Feinberg, No. 134 Suffolk street. Bootblack stands: Abraham Wolf, No. 147 Delancey street; Joseph Berliant, No. 182 Delancey street; Any Radesky, No. 146 Attorney street; Carmine Miglino, No. 180 Rivington street.

Sixth Assembly District—Newspaper stands: Herman Altman, No. 38 Avenue D; Samuel Goldsmith, No. 70 Avenue C; John Scholl, No. 91 Avenue B; Laaser Friedland, No. 35 Avenue B. Fruit stands: Vincenzo Marino, No. 38 Avenue D; John Decker, No. 103 Columbia street; Wolf Kornfeld, No. 143 Ridge street; Wolf Spitzer, No. 150 Ridge street; Nicola Massari, No. 601 Fifth street; Pietro Zito, No. 650 Fifth street. Soda-water stand: Darvis Machlowitz, No. 223 Stanton street. Bootblack stands: Benedetto Nasta, No. 205 Second street; Gerardo Mariano, No. 248 Rivington street.

Seventh Assembly District—Newspaper stands: Alter Kosak, No. 1 Avenue A; Louis Fried, No. 28 First avenue. Fruit stands: Gio De Stefano, No. 108 Avenue B; Donato Suozzo, No. 89 Second street; Angelo Damiana, No. 185 East Houston street; Anton Blazi, No. 187 Norfolk street; Giuseppe Petrella, No. 44 East Fourth street. Bootblack stands: Giro di Mouro, No. 66 First avenue; Antonio Paolucci, No. 67 First avenue; Giuseppe Palodina, No. 37 Clinton street.

Eighth Assembly District—Newspaper stands: Peter Garvey, No. 89 University place; David P. Loeb, northeast corner Morton and Hudson streets. Fruit stands: Stefano Rolandelli, No. 18 Sixth avenue; David Maibrunn, Nos. 70 and 72 Greenwich avenue; Giovanni Zito, No. 66 West Ninth street; D. W. Dokel, No. 117 Greene street; Angelo Muzzi, No. 126 Prince street; Bernard Panezza, No. 400 West Broadway. Soda-water stands: Thomas Sileo, No. 125 Thompson street; Morris Cohen, No. 679 Broadway. Bootblack stands: John T. Long, No. 41 Sixth avenue; Pietro Tuarallo, No. 133 Sixth avenue; H. D. Fricke, No. 187 Sixth avenue; Frank Abriola, No. 41 Seventh avenue; William J. O'Brien, No. 33 Christopher street.

Ninth Assembly District—Bootblack stands: Richard F. Leslie, No. 122 Ninth avenue; Martin Stuhmann, No. 331 West Fourth street.

Tenth Assembly District—Newspaper stand: James M. Barry, No. 63 Third avenue. Fruit stand: Andrea Re, northeast corner Avenue C and Seventh street. Bootblack stand: Donato Altilio, No. 95 Fourth avenue.

Eleventh Assembly District—Newspaper stand: Samuel Sosencky, No. 340 Sixth avenue. Fruit stand: James McGowan, No. 439 Seventh avenue. Bootblack stands: Giacomo Di Scenzo, Nos. 36 and 38 West Thirtieth street; Adolph Kullmann, No. 404 Fourth avenue; John A. Green, No. 655 Sixth avenue.

Twelfth Assembly District—Newspaper stands: James Neary, southeast corner Lexington avenue and Twenty-third street; Francis E. J. Barry, No. 442 East Twenty-third street. Fruit stands: Stephen Colletti, No. 195 First avenue; Pietro Ingerillo, No. 227 First avenue; Gabriele D'Alessio, No. 142 Third avenue. Bootblack stands: Vito Dautanio, No. 327 First avenue; Henry Heckmann, No. 408 First avenue; James Ward, No. 281 Third avenue; Rocco Cameroto, No. 204 Third avenue; Robert Valvo, No. 158 East Twenty-third street.

Thirteenth Assembly District—Bootblack stands: John White, northwest corner Eighth avenue and Twenty-first street; Owen Caffrey, No. 184 Seventh avenue; Gaetano Spaziano, No. 184 Seventh avenue.

Fourteenth Assembly District—Newspaper stands: Lazarus Hecht, No. 459 Second avenue; Moses Nussbaum, No. 337 Third avenue; Simon Raines, No. 431 Third avenue; Samuel Kraft, No. 488 Third avenue. Fruit stands: Edward F. Reilly, No. 484 Second avenue; Guiseppe Zottoli, No. 636 Second avenue; James Burns, No. 643 Second avenue; Andrea Gargiulo, No. 690 Second avenue; Herman Frahmman, No. 430 Third avenue. Bootblack stands: Giulio Ferri, No. 400 East Thirty-fourth street; Antonio Loscalzo, No. 620 Second avenue; Pio Vitiello, No. 434 Third avenue.

Sixteenth Assembly District—Newspaper stands: James Cosgrove, No. 657 Third avenue; Bernhard J. Wolf, No. 969 Third avenue; Max Malatzky, No. 677 Lexington avenue. Fruit stand: Raffaele Perfetto, No. 1045 Second avenue. Bootblack stands: Maria Ricigliano, No. 638 Third avenue; Joseph T. Keller, No. 969 Third avenue; William Delaney, No. 1049 First avenue.

Seventeenth Assembly District—Newspaper stand: Abraham Galub, No. 582 Seventh avenue. Fruit stand: John H. O'Connell, No. 544 Ninth avenue. Bootblack stand: George P. Allen, No. 832 Sixth avenue.

Eighteenth Assembly District—Newspaper stand: Frank Reilly, No. 610 Eleventh avenue. Fruit stands: Louis Mares, No. 841 Ninth avenue; Charles F. Neuhardt, No. 700 Tenth avenue; Patrick McCann, No. 753 Tenth avenue. Bootblack stands: William J. Gallagher, No. 1551 Broadway; Joseph Hart, No. 800 Seventh avenue; Willie Robinson, No. 806 Eighth avenue; Benino Maresca, No. 810 Tenth avenue; Giauflavio Muccio, No. 875 Tenth avenue.

Nineteenth Assembly District—Newspaper stands: William Mullen, No. 161 Amsterdam avenue; May Gallagher, No. 849 Tenth avenue. Fruit stands: Battista Sqanga, No. 801 Ninth avenue; Jesse Rosenthal, No. 840 Ninth avenue. Bootblack stands: John Buege, No. 61 Amsterdam avenue; Louis A. Giuffio, No. 70 Columbus avenue; Rocco A. Gentile, No. 74 Columbus avenue; James McEntegart, No. 817 Ninth avenue; Patrick J. Mullane, No. 735 Tenth avenue.

Twentieth Assembly District—Newspaper stand: Mario Gardthausen, No. 1237 Second avenue. Fruit stands: Barmelo Artuso, No. 1152 First avenue; Salvatore Perniciano, No. 1346 First avenue; John Mamola, No. 1323 Second avenue; Michele Giordano, No. 1327 Second avenue; Gio Attasio, No. 1454 First avenue; Nicolo Spalletto, No. 1305 Third avenue. Soda-water: Solomon Cohen, No. 1392½ Second avenue.

Twenty-first Assembly District—Newspaper stands: Marcanna O'Connell, No. 147 West Forty-second street; Simon A. Dinco, No. 580 Park avenue. Bootblack stands: George Smith, No. 1451 Broadway; Michaelangelo Faggelo, No. 885 Sixth avenue; Frederick Brinkmann, No. 1011 Sixth avenue; Michele Calzanesi, No. 1013 Sixth avenue.

Twenty-second Assembly District—Newspaper stand: Francis P. Mahon, No. 1328 Third avenue. Fruit stands: Isaac Mausbach, No. 186 East Seventy-ninth street; Fred E. Herweb, No. 1347 Third avenue. Bootblack stand: Matthew E. White, No. 1560 Second avenue.

Twenty-third Assembly District—Newspaper stands: Louis Nelson, southeast corner One Hundred and Sixteenth street and Eighth avenue; Rachel Horwitz, No. 2185 Eighth avenue; Thomas McCartney, No. 871 Columbus avenue. Bootblack stands: Edward Billings, No. 760 Columbus avenue; John Fitzpatrick, No. 2095 Eighth avenue.

Twenty-fourth Assembly District—Newspaper stand: Louis Davis, No. 1677 Second avenue. Fruit stands: O. Paul Canis, No. 454 East Eighty-first street; Fernando Fiore, No. 1631 Avenue A; Antonio Ihler, No. 1712 Second avenue; Dietrich Heishusen, No. 1714 Second avenue. Bootblack stands: James Collins, No. 1616 Second avenue; C. H. Taylor, No. 1619 Second avenue.

Twenty-fifth Assembly District—Fruit stands: George Schlenker, No. 2026 Second avenue; Luigi S. Lavino, No. 2037 Second avenue; Astarita Achille, No. 1650 Third avenue; Felice Rubano, No. 1799 Third avenue; James C. Hinner, No. 1905 Third avenue; Louis Manzi, No. 1846 Third avenue; Giovanni Ferola, No. 1892 Third avenue. Soda-water stand: Jacob Miller, No. 220 East One Hundred and Second street. Bootblack stands: Martino Astorito, No. 1643 Third avenue; Paolo Strega, No. 1841 Third avenue.

Twenty-sixth Assembly District—Newspaper stands: Samuel Bernstein, No. 1441 Park avenue; Jacob Ostrowsky, No. 1651 Madison avenue; Jacob Fine, No. 1665 Madison avenue. Fruit stands: Fabio D'Alessio, No. 1748 Lexington avenue; Gaetano Pandolh, No. 1933 Third avenue; Giuseppe Robillatti, No. 1963 Third avenue; Antonio Dono, No. 2061 Third avenue. Bootblack stand: Antonio Carbarello, No. 1982 Third avenue.

Twenty-seventh Assembly District—Newspaper stands: Moses Cohen, No. 465 Lenox avenue; Lena Blum, No. 2262 Third avenue; Harry Lowenstein, No. 2283 Third avenue. Bootblack stands: Felice Bracco, northwest corner of One Hundred and Thirty-fifth street and Fifth avenue; Affanco Grimaldo, No. 96 East One Hundred and Twentieth street; Dietrich Kulze, No. 137 East One Hundred and Twenty-fifth street; Carlo Ventrella, No. 1944 Lexington avenue; Salvatore Luongo, No. 2021 Lexington avenue; Luigi Scalzo, No. 2095 Madison avenue; Charles Grieco, No. 2458 Second avenue.

Twenty-eighth Assembly District—Newspaper stands: George Patterson, No. 2223 Eighth avenue; Albert H. Terhune, No. 2351 Eighth avenue. Fruit stands: Giuseppe D'Angelo, No. 2352 Eighth avenue; Luigi Cilento, No. 2140 Eighth avenue; Eugene Kahn, No. 2453 Eighth avenue. Bootblack stands: Hugh McDonald, No. 383 West One Hundred and Twenty-fifth street; George Baker, No. 1652 Amsterdam avenue; Battista Sgauga, No. 2593 Eighth avenue; Frank Cucci, No. 2926 Eighth avenue.

Twenty-ninth Ward—Bootblack stands: Berniero Delli Booi, No. 3267 Third avenue; William Zimmermann, No. 3595 Third avenue.

Adopted by the Board of Aldermen, August 17, 1897. Approved by the Mayor, August 20, 1897. WM. H. TEN EVCK, Clerk of the Common Council.

#### DEPARTMENT OF PUBLIC WORKS.

DEPARTMENT OF PUBLIC WORKS—COMMISSIONER'S OFFICE, No. 150 NASSAU STREET, NEW YORK, July 3, 1897.

In accordance with the provisions of section 51, chapter 410 of the Laws of 1882, the Department of Public Works makes the following report of its transactions for the week ending June 26, 1897:

**Public Moneys Received during the Week.**—For Croton water rents—Regular rates, \$56,067.40; meter rates, \$4,061.10; for penalties, water rents, \$112.65; for tapping Croton pipes, \$272; for sewer permits, \$250; for restoring and repaving—Special Fund, \$5,996.50; for redemption of obstructions seized, \$11.75; for vault permits, \$6,334.88; for shed permits over sidewalks, \$15—total, \$71,127.28.

**Public Lamps.**—13 new lamps erected and lighted, 8 old lamps relighted, 89 old lamps discontinued, 41 lamp-posts removed, 10 lamp-posts reset, 23 lamp-posts straightened, 19 columns relaid, 1 column refitted, 20 service pipes refitted, 16 stand pipes refitted.

**Permits Issued.**—61 permits to tap Croton pipes, 41 permits to open streets, 13 permits to make sewer connections, 25 permits to repair sewer connections, 120 permits to place building material on streets, 23 permits, special; 4 permits to construct street vaults, 29 permits for use of water for building purposes, 3 permits to construct sheds over sidewalks.

**Repairing and Cleaning Sewers.**—163 receiving-basins relieved, 163 receiving-basins and culverts cleaned, 760 lineal feet of sewer cleaned, 2,675 lineal feet of sewer relieved, 24,917 lineal feet of sewer examined, 3 lineal feet of spur pipe laid, 13 lineal feet of curb reset, 7 manhole heads reset, 10 basin heads reset, 3 new manhole heads and covers put on, 1 new manhole cover put on, 2 new basin hoods put in, 2 new basin covers put on, 563 cubic feet of brickwork built, 1 new basin grate put in, 32 square yards of pavement relaid, 277 square feet of flagging relaid, 816 cubic feet of earth excavated and refilled, 8 cart-loads of dirt removed.

**Obstructions Removed.**—34 obstructions removed from various streets and avenues.

**Repairs to Pavement.**—6,903 square yards of pavement repaired.

**Statement of Laboring Force Employed in the Department of Public Works during the Week ending June 26, 1897.**

NATURE OF WORK.	MECHANICS.	LABORERS.	TEAMS.	CARTS.
Aqueduct—Repairs, Maintenance and Strengthening .....	48	123	8	13
Laying Croton Pipes .....	..	..	..	..
Repairs and Renewals of Pipes, Stop-cocks, etc. ....	61	125	4	22
Bronx River Works—Maintenance and Repairs .....	1	16	3	..
Supplying Water to Shipping .....	5	..	..	..
Repairing and Cleaning Sewers .....	18	32	..	9
Repairing and Renewals of Pavements .....	182	210	5	78
Boulevards, Roads and Avenues, Maintenance of .....	28	74	29	10
Roads, Streets and Avenues .....	11	23	7	2
Total .....	354	603	56	134

**Requisitions on the Comptroller.**—The total amount of requisitions drawn by the Department on the Comptroller during the week is \$168,655.36.

HOWARD PAYSON WILDS, Deputy Commissioner of Public Works.

#### COMMISSIONER OF STREET IMPROVEMENTS, 23D AND 24TH WARDS.

August 21, 1897. To the Supervisor of the City Record:

SIR—In compliance with section 51 of chapter 410 of the Laws of 1882, the office of Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards makes the following report of its transactions for the week ending August 18, 1897:

**Permits Issued.**—For sewer connections, 36; for sewer repairs, 5; for Croton connections, 33; for Croton repairs, 11; for placing building material, 17; for crossing sidewalk with team, 5; for miscellaneous purposes, 39—total, 146.

**Public Moneys Received.**—For sewer connections, \$350; for restoring pavements, \$108; for use of steam-roller, \$6—total, \$464.

**Plans and Specifications Approved.**—Temporary bridge over Bronx river at Westchester avenue; constructing sewer in One Hundred and Seventy-sixth street, from West Farms road to Boston road; constructing sewer in Burnside avenue, from Jerome avenue to Aqueduct avenue; regulating and grading Crotona Park, South, from Fulton to Prospect avenue.

**Laboring Force Employed during the Week.**—Foremen, 32; Assistant Foremen, 19; Engineers of Steam Rollers, 5; Sewer Laborers, 36; Laborers, 687; Engineman, 1; Inspectors Sewer Connections, 2; Toolmen, 12; Stableman, 1; Truckman, 1; Oilers, 4; Carts, 20; Teams, 123; Carpenters, 3; Pavers, 7; Pruner, 1; Blacksmith's Helpers, 4; Machinists, 2; Sweepers, 6; Stokers, 2; Mason, 1; Flaggers, 12; Sounders, 227; Cleaners, 4—total, 1,212.

Total amount of requisitions drawn upon the Comptroller during the week, \$78,224.34.

Respectfully, LOUIS F. HAFFEN, Commissioner.



## NEW YORK CIVIL SERVICE COMMISSION.

Monthly Report of the Secretary and Extracts from the Minutes of the New York City Civil Service Commission, July, 1897.

## MEETING OF THE COMMISSION HELD JULY 12, 1897.

The Chief Examiner submitted the following report of candidates examined during June, 1897: Mental, competitive, 112; physical, competitive, 131; promotion, 1-244. A communication was presented from Aqueduct Commission, dated July 1, 1897, requesting the reclassification of the position of "Inspector of Masonry."

Resolved, That this Commission recommend to the Mayor that Schedule D of the classification of positions in the Aqueduct Commission be amended by adding thereto "Inspector of Masonry."

The Secretary submitted communication from the Commissioner of Public Works, designating this Commission his Board of Examiners to determine fitness of persons certified to him for Bath Attendant, under section 2, chapter 428 of the Laws of 1897. The office so conferred was accepted by a unanimous vote.

The Secretary reported that the New York Civil Service Commission had approved the regulations adopted by this Commission pursuant to chapter 428 of the Laws of 1897.

The following preamble and resolution were adopted: Whereas, Experience has shown that under existing conditions it is not practicable to enforce competitive examination for the position of City Surveyor, and that the utmost that is practicable is to require a non-competitive examination for such position.

Resolved, That the Mayor be recommended to classify the position of City Surveyor in the non-competitive division of Schedule A.

## MEETING OF THE COMMISSION HELD JULY 26, 1897.

Resolved, That this Commission recommend to the New York Civil Service Commission that, pursuant to chapter 428 of the Laws of 1897, the following regulation be established as an additional regulation:

Regulation 80. When there is no eligible list of merit for the position for which requisition is made, and upon receipt of a certificate to that effect from the Secretary of the Civil Service Commission, any Department may make a temporary appointment to said position; the right of said appointee to retain such position shall cease within thirty days of the receipt by the Department so appointing of a certification from the Secretary of the Civil Service Commission of an eligible list for merit for the position to which temporary appointment has been made.

The Chairman presented a financial report, prepared by the Secretary, showing a decrease of expenditures for the months of May, June and July of \$540.

A communication was read from the Chief Examiner, dated July 26, relative to examinations for promotion in the uniformed force of the Fire Department:

Resolved, That, in view of the provisions of chapter 428 of the Laws of 1897, and of the omission of the Fire Commissioners to appoint the Civil Service Commission to conduct the examination for "fitness" in cases of promotion, the Chief Examiner be directed to confine the examination for "merit" to Subjects 1, 2, 3, 12, 13 and 14, mentioned in Regulation 57, leaving the examination in the other subjects therein mentioned to the Fire Commissioners.

Communication was read from the Commissioner of Public Works, dated July 22, appointing the Civil Service Commission Board of Examiners, pursuant to section 2, chapter 428 of the Laws of 1897, to determine the fitness of candidates in the case of Female Stenographers and Typewriters, and requiring special and essential qualifications in said examination. The office conferred was accepted, and the Chief Examiner was authorized to hold such an examination.

A communication was presented from the Commissioner of Street Improvements, Twenty-third and Twenty-fourth Wards, dated July 15, designating the Civil Service Commission his Board of Examiners to determine fitness in several examinations, pursuant to chapter 428, section 2 of the Laws of 1897.

The office so conferred was accepted by the Commission. A communication was presented from the Fire Department, dated July 12, abolishing the position of "Drill Master and Instructor" and creating the position of "Chief Instructor."

Resolved, That this Commission recommend to the Mayor that Schedule C of the classification of positions in the Fire Department be amended by striking therefrom "Drill Master and Instructor" and classifying therein "Chief Instructor."

The following eligible lists were extended to January 1, 1898: Collector, Electrical Wire Inspector (Morse system), Examiner (Finance), Doorman, Leveler, Messenger (Public Administrator), Timekeeper (General), Transmitter and Computer.

The following examinations were held during July, 1897: Timekeeper, Twenty-third and Twenty-fourth Wards (Special); Assistant Engineer (promotion, Department of Street Improvements, Twenty-third and Twenty-fourth Wards); Auditor (Fire Department); Storekeeper (Fire Department); Engineer-Inspector of Regulating, Grading and Paving; Visitor (Out-door Poor Department, Department of Public Charities); Mate; Assistant Architectural Draughtsman; Junior Assistant Architectural Draughtsman; Life Saver; Orderly (Department of Correction); Recreation Pier Attendant (Department of Docks); Inspector (promotion, Department of Public Charities); First Grade Clerk (Dock Department, promotion); Second Grade Clerk (Department of Public Works, promotion); Leveler (Department of Public Parks, promotion); Park Policeman.

The following eligible lists were prepared during the month:

POSITION.	Number Examined.	Number on List.
Fireman (Annexed District).....	16	8
Mason-Building Inspector.....	29	8
Timekeeper, 23d and 24th Wards, Special.....	9	1
Inspector of Paving, Regulating and Grading.....	90	6
Office Boy.....	65	52
Carpenter-Building Inspector.....	90	12
Messenger.....	21	20
Assistant Engineer (promotion).....	3	2
Mate.....	4	3
Assistant Architectural Draughtsman.....	9	7
Junior Assistant Architectural Draughtsman.....	6	2
Auditor, Fire Department.....	21	2
Total.....	361	123

Appointments, etc., during the month were as follows:

Appointments.....	79
Resignations.....	9
Dismissals.....	9

## Labor Bureau.

Applications on file.....	14,166
Applications filed during July.....	388
Rejected on physical examination.....	10
Failed to appear for examination.....	11
Appointed.....	149
Resignations.....	2

S. WILLIAM BRISCOE, Secretary.

## EXECUTIVE DEPARTMENT.

MAYOR'S OFFICE—BUREAU OF LICENSES, NEW YORK, August 21, 1897.—Number of licenses issued and amounts received therefor, in the week ending Friday, August 20, 1897.

Saturday, August 14.—Number of licenses, 22; amount, \$197.50. Monday, August 16.—Number of licenses, 60; amount, \$384. Tuesday, August 17.—Number of licenses, 54; amount, \$502.50. Wednesday, August 18.—Number of licenses, 64; amount, \$450.75. Thursday, August 19.—Number of licenses, 30; amount, \$275.50. Friday, August 20.—Number of licenses, 57; amount, \$426.75—total number of licenses, 287; total amount, \$2,237.

EDWARD H. HEALY, Mayor's Marshal.

## ALDERMANIC COMMITTEES.

RAILROADS—The Committee on Railroads will hold a public hearing on Monday, August 23, 1897, at 1 o'clock P. M., in Room 16, City Hall, "to consider the application of the Dry Dock, East Broadway and Battery Railroad Company."

LAW DEPARTMENT—The Committee on Law Department will hold a public hearing on Tuesday, August 24, 1897, at 2.30 o'clock P. M., in Room 16, City Hall, "to consider ordinance relating to hackmen."

RAILROADS—The Railroad Committee will hold a meeting on every Monday, at 2 o'clock P. M., in Room 13, City Hall.

WM. H. TEN EYCK, Clerk, Common Council.

## OFFICIAL DIRECTORY.

Section 68 of chapter 410, Laws of 1882 (the Consolidation Act of the City of New York), provides that "there shall be published in the City Record, within the month of January in each year, a list of all subordinates employed in any department (except laborers), with their salaries, and residences by street numbers, and all changes in such subordinates or salaries shall be so published within one week after they are made. It shall be the duty of all the heads of departments to furnish to the person appointed to supervise the publication of the City Record everything required to be inserted therein."

Mayor's Office—No. 6 City Hall, 9 A. M. to 5 P. M. Saturdays, 9 A. M. to 12 M.

Bureau of Licenses—No. 1 City Hall, 9 A. M. to 4 P. M.

Commissioners of Accounts—Stewart Building, 9 A. M. to 4 P. M.

Aqueduct Commissioners—Stewart Building, 5th floor, 9 A. M. to 4 P. M.

Board of Armory Commissioners—Stewart Building, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

Clerk of Common Council—No. 8 City Hall, 9 A. M. to 4 P. M.

Department of Public Works—No. 150 Nassau street, 9 A. M. to 4 P. M.

Department of Street Improvements, Twenty-third and Twenty-fourth Wards—Corner One Hundred and Seventy-seventh street and Third avenue, 9 A. M. to 4 P. M.; Saturdays, 12 M.

Department of Buildings—No. 220 Fourth avenue, 9 A. M. to 4 P. M.

Comptroller's Office—No. 15 Stewart Building, 9 A. M. to 4 P. M.

Auditing Bureau—Nos. 19, 21 and 23 Stewart Building, 9 A. M. to 4 P. M.

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

Bureau for the Collection of City Revenue and of Markets—Nos. 1 and 3 Stewart Building, 9 A. M. to 4 P. M. No money received after 2 P. M.

Bureau for the Collection of Taxes—Stewart Building, 9 A. M. to 4 P. M. No money received after 2 P. M.

City Chamberlain—Nos. 25 and 27 Stewart Building, 9 A. M. to 4 P. M.

City Paymaster—Stewart Building, 9 A. M. to 4 P. M. Counsel to the Corporation—Staats-Zeitung Building, 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 12 M.

Corporation Attorney—No. 119 Nassau street, 9 A. M. to 4 P. M.

Attorney for Collection of Arrears of Personal Taxes—Stewart Building, 9 A. M. to 4 P. M.

Bureau of Street Openings—Nos. 90 and 92 West Broadway.

Public Administrator—No. 119 Nassau street, 9 A. M. to 4 P. M.

Department of Charities—Central Office, No. 66 Third avenue, 9 A. M. to 4 P. M.

Department of Correction—Central Office, No. 148 East Twentieth street, 9 A. M. to 4 P. M.

Examining Board of Plumbers—Meets every Thursday, at 2 P. M. Office, No. 220 Fourth avenue, sixth floor.

Fire Department—Headquarters, Nos. 157 to 159 East Sixty-seventh street, 9 A. M. to 4 P. M.; Saturdays, 12 M. Central Office open at all hours.

Health Department—New Criminal Court Building, Centre street, 9 A. M. to 4 P. M.

Department of Public Parks—Arsenal, Central Park, Sixty-fourth street and Fifth avenue, 10 A. M. to 4 P. M.; Saturdays, 12 M.

Department of Docks—Battery, Pier A, North river, 9 A. M. to 4 P. M.

Department of Taxes and Assessments—Stewart Building, 9 A. M. to 4 P. M.; Saturdays, 12 M.

Board of Electrical Control—No. 1262 Broadway.

Department of Street Cleaning—No. 32 Chambers street, 9 A. M. to 4 P. M.

Civil Service Board—Criminal Court Building, 9 A. M. to 4 P. M.

Board of Estimate and Apportionment—Stewart Building, 9 A. M. to 4 P. M.

Board of Assessors—Office, 27 Chambers street, 9 A. M. to 4 P. M.

Police Department—Central Office, No. 300 Mulberry street, 9 A. M. to 4 P. M.

Board of Education—No. 146 Grand street.

Sheriff's Office—Old "Brown Stone Building," No. 9 Chambers street, 9 A. M. to 4 P. M.

Register's Office—East side City Hall Park, 9 A. M. to 4 P. M.

Commissioner of Jurors—Room 127 Stewart Building, 9 A. M. to 4 P. M.

County Clerk's Office—Nos. 7 and 8 New County Court-house, 9 A. M. to 4 P. M.

District Attorney's Office—New Criminal Court Building, 9 A. M. to 4 P. M.

The City Record Office—No. 2 City Hall, 9 A. M. to 5 P. M., except Saturdays, 9 A. M. to 12 M.

Governor's Room—City Hall, open from 10 A. M. to 4 P. M.; Saturdays, 10 to 12 A. M.

Coroners' Office—New Criminal Court Building, open constantly. Edward F. Reynolds, Clerk.

Surrogate's Court—New County Court-house, 10.30 A. M. to 4 P. M.

Appellate Division, Supreme Court—Court-house, No. 111 Fifth avenue, corner Eighteenth street. Court opens at 1 P. M.

Supreme Court—County Court-house, 10.30 A. M. to 4 P. M.

Criminal Division, Supreme Court—New Criminal Court Building, Centre street, opens at 10.30 A. M.

Court of General Sessions—New Criminal Court Building, Centre street. Court opens at 11 o'clock A. M.; adjourns 4 P. M.

City Court—City Hall, General Term, Room No. 20 Trial Term, Part I, Room No. 20; Part II, Room No. 21; Part III, Room No. 15; Part IV, Room No. 11.

Special Term Chambers will be held in Room No. 19 10 A. M. to 4 P. M. Clerk's Office, Room No. 10, City Hall, 9 A. M. to 4 P. M.

Court of Special Sessions—New Criminal Court Building, Centre street. Opens daily, except Saturday, at 10 A. M. Clerk's office hours daily, except Saturday, from 9 A. M. until 4 P. M.; Saturdays, 9 A. M. until 12 M.

District Civil Courts.—First District—Southwest corner of Centre and Chambers streets. Clerk's office open from 9 A. M. to 4 P. M. Second District—Corner of Grand and Centre streets. Clerk's Office open from 9 A. M. to 4 P. M. Third District—Southwest corner Sixth avenue and West Tenth street. Court open daily (Sundays and legal holidays excepted) from 9 A. M. to 4 P. M.

Fourth District—No. 30 First street. Court opens 9 A. M. daily. Fifth District—No. 154 Clinton street. Sixth District—Northwest corner Twenty-third street and Second avenue. Court opens 9 A. M. daily. Seventh District—No. 151 East Sixty-seventh street. Court opens 9 o'clock (except Sundays and legal holidays). Eighth District—Northwest corner of Twenty-third street and Eighth avenue. Court opens 9 A. M. Trial days: Wednesdays, Fridays and Saturdays. Return days: Tuesdays, Thursdays and Saturdays. Ninth District—No. 170 East One Hundred and Twenty-first street. Court opens every morning at 9 o'clock (except Sundays and legal holidays).

Tenth District—Corner of Third avenue and One Hundred and Fifty-eighth street, 9 A. M. to 4 P. M. Eleventh District—No. 979 Eighth avenue. Court open daily (Sundays and legal holidays excepted) from 9 A. M. to 4 P. M.

Twelfth District—Westchester, New York City. Open daily (Sundays and legal holidays excepted), from 9 A. M. to 4 P. M. Thirteenth District—Corner Columbus avenue and One Hundred and Twenty-sixth street. Court open daily (Sundays and legal holidays excepted), from 9 A. M. to 4 P. M.

City Magistrates' Courts—Office of Secretary, Fifth District Police Court, One Hundred and Twenty-fifth street, near Fourth avenue. First District—Tomb, Centre street. Second District—Jefferson Market. Third District—No. 69 Essex street. Fourth District—Fifty-seventh street, near Lexington avenue. Fifth District—One Hundred and Twenty-first street, southeastern corner of Sylvan place. Sixth District—One Hundred and Fifty-eighth street and Third avenue.

## FIRE DEPARTMENT.

HEADQUARTERS, FIRE DEPARTMENT, NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET, NEW YORK, August 19, 1897.

## TO CONTRACTORS.

SEALED PROPOSALS FOR FURNISHING THE materials and labor and doing the work required in building, completing and delivering one complete set, consisting of two double-acting vertical simple, duplex, crank-and-flywheel pumps, of the improved Clapp & Jones type, as made by the American Fire Engine Company, for a fireboat for this Department, will be received by the Board of Commissioners at the head of the Fire Department, at the office of said Department, Nos. 157 and 159 East Sixty-seventh street, until 10.30 o'clock A. M., on Wednesday, September 1, 1897, at which time and place they will be publicly opened by the head of said Department and read.

For information as to the amount and kind of work to be done, bidders are referred to the drawings and specifications prepared by H. de B. Parsons, Supervising Engineer, said specifications and drawings forming part of these proposals.

Copies of the forms of agreement, showing the manner of payment for the work, and copies of the specifications and forms of proposal, may be obtained at the office of the Department, as above.

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

Proposals must be made for all the work contained in the specifications.

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

The pumps are to be completed and delivered within

one hundred (100) days after the execution of the contract.

The damages to be paid by the contractor for each day that the contract may be unfulfilled after the time specified for the completion thereof shall have expired are fixed and liquidated at Ten (10) Dollars.

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

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

The Fire Department reserves the right to decline any and all bids or estimates if deemed to be for the public interest. No bid or estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

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

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, 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 sureties for its faithful performance in the sum of Four Thousand Five Hundred (4,500) Dollars, and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded, at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of Two Hundred and Twenty-five (225) Dollars. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him to execute the same, the amount of the deposit made by him shall be forfeited 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 readvertised and let as provided by law.

JAMES R. SHEFFIELD, O. H. LA GRANGE, THOMAS STURGIS, Commissioners.

NEW YORK, August 12, 1897.

## TO CONTRACTORS.

SEALED PROPOSALS FOR FURNISHING THE materials and labor and doing the work required for constructing and erecting a building for the Fire Department on the south side of One Hundred and Fortieth street, 125 feet west of Amsterdam avenue, will be received by the Board of Commissioners of the Fire Department, at the office of said Department, Nos. 157 and 159 East Sixty-seventh street, in the City of New York, until 10.30 o'clock A. M., Wednesday, August 25, 1897, at which time and place they will be publicly opened by the head of said Department and read.

The alternate clause in the specifications has been stricken out since last bidding.

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 and drawings, which form part of these proposals.

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

Proposals must be made for all the work contained in the specifications.

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

The building is to be completed and delivered within one hundred and eighty (180) days after the execution of the contract.

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

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

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

The Fire Department reserves the right to decline any and all bids or estimates, or either part thereof, if deemed to be for the public interest. No bid or estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter as surety or otherwise upon any obligation to the Corporation.

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



parties making the estimate that the several matters stated therein are in all respects true. Where more than one person is interested it is requisite that the verification be made and subscribed by all the parties interested.

*Each bid or estimate shall be accompanied by the cash, 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 making the estimate, they will on its being so awarded, become bound as sureties for its faithful performance in the sum of Eleven Thousand (\$11,000) Dollars, and that if he shall omit or refuse to execute the same they will pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person 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 his liabilities as bail, surety or otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.*

*No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of Five Hundred and Fifty (\$550) Dollars. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.*

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

JAMES R. SHEFFIELD, O. H. LA GRANGE, and THOMAS STURGIS, Commissioners.

HEADQUARTERS FIRE DEPARTMENT, NEW YORK, AUGUST 10, 1897.

#### TO CONTRACTORS.

**SEALED PROPOSALS FOR FURNISHING** 2,000 feet of 3-inch circular solid-woven cotton rubber-lined Fire Hose, "Eureka Fire Hose" brand; 500 feet of 2½-inch Peerless Rubber Fire Hose, P. brand; 1,000 feet of 2½-inch Willis "Knit Jacket" brand of Fire Hose; 500 feet of 1½-inch Seamless Patent Improved Carbolized Rubber-lined Fire Hose, "Maltese Cross" brand; 500 feet of 2½-inch Seamless Patent Improved Carbolized Rubber-lined Fire Hose, "Maltese Cross" brand; 500 feet of 2½-inch Cotton Rubber-lined Fire Hose "Bay State Jacket" brand; 500 feet of 2½-inch Carbolized Rubber Fire Hose, "World Fire Hose" brand; 500 feet of 2½-inch Rubber Fire Hose, No. "A-1 Rubber Fire Hose" brand; 500 feet of 1½-inch Carbolized Rubber "Test" brand of Fire Hose; 500 feet of 2½-inch Carbolized Rubber "Test" brand of Fire Hose; 500 feet of 1½-inch seamless rubber lined Fire Hose "White Anchor" brand; 500 feet of 1½-inch seamless rubber lined Fire Hose "White Anchor" brand; 500 feet of 1½-inch rubber-lined white "American Chief" brand of rubber Fire Hose; 500 feet of 2½-inch rubber-lined white "American Chief" brand of Rubber Fire Hose; 500 feet of 3-inch Rubber-lined White "American Chief" brand of Rubber Fire Hose; 500 feet of 2½-inch Cotton Rubber-lined Double or Jacket Fire Hose, "Independent" brand; will be received by the Board of Commissioners at the head of the Fire Department, at the office of said Department, Nos. 157 and 159 East Sixty-seventh street, in the City of New York, until 10:30 o'clock, A. M. Wednesday, August 25, 1897, at which time and place they will be publicly opened by the head of said Department and read.

*Special attention is directed to the test of the hose by the Fire Department and the guarantee of the hose by the Contractor, required by the specifications. No estimate will be received or considered after the hour named.*

For information as to the description of the hose to be furnished 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 hose, may be seen and forms of proposals may be obtained at the office of the Department.

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

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

The damages to be paid by the contractor for each day that the contract may be unfulfilled after the time specified for the completion thereof shall have expired, are fixed and liquidated at the sum specified in the form of contract.

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

The Fire Department reserves the right to decline any and all bids or estimates if deemed to be for the public interest. No bid or estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

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

*Each bid or estimate shall be accompanied by the cash, 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 making the estimate, they will, on its being so awarded, become bound as sureties for its faithful performance in the sum of Twelve Hundred (\$1,200) Dollars on the "Eureka Fire Hose," Two Hundred and Fifty (\$250) Dollars on the Peerless Rubber Fire Hose P. Brand; Five Hundred (\$500) Dollars on the Willis "Knit Jacket" Fire Hose; Eighteen Hundred (\$1,800) Dollars on the "Maltese Cross" Hose; Two Hundred and Fifty (\$250) Dollars on the "Bay State Jacket" Hose; Two Hundred and Fifty (\$250) Dollars on the "World" Hose; Two Hundred and Fifty (\$250) Dollars on the No. "A-1 Hose;" One Thousand (\$1,000) Dollars on the "Test" Hose; One Thousand (\$1,000) Dollars on the "American Chief" Hose; One Thousand Dollars (\$1,000) on the "White Anchor" Hose; and Two Hundred and Fifty (\$250) Dollars on the "Independent" Hose, 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 his liabilities as bail, surety or otherwise, and that he has offered himself as a surety in good faith, and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

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

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

JAMES R. SHEFFIELD, O. H. LA GRANGE, THOMAS STURGIS, Commissioners.

#### FINANCE DEPARTMENT.

##### 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 assessments, viz:

##### FIRST WARD.

**PINE STREET—PAVING**, between Pearl and South streets. Area of assessment: Both sides of Pine street, between Pearl and South streets, and to the extent of half the block on the intersecting streets.

**OLD SLIP—PAVING**, between Pearl and South streets and LAYING CROSSWALKS. Area of assessment: Both sides of Old slip, between Pearl and South streets, and to the extent of half the block on the intersecting streets.

##### THIRD WARD.

**CHURCH STREET—SEWER**, between Duane and Thomas streets. Area of assessment: Both sides of Church street, between Duane and Thomas streets; north side of Duane street, between Broadway and Church street, and west side of Broadway, between Duane and Thomas streets.

**WEST BROADWAY—PAVING**, between Chambers and Vesey streets; also **GREENWICH STREET—PAVING**, between Vesey and Dey streets. Area of assessment: Both sides of West Broadway, between Chambers and Vesey streets, and both sides of Greenwich street, between Vesey and Dey streets, and to the extent of half the block on the intersecting streets.

##### FOURTH WARD.

**OLIVER STREET—PAVING AND LAYING CROSSWALKS**, between Cherry and South streets. Area of assessment: Both sides of Oliver street between Cherry and South streets, and to the extent of half the block on the intersecting streets.

##### FIFTH WARD.

**WEST BROADWAY—CROSSWALK**, from the northeast corner of Walker street to the northwest corner of Beach street. Area of assessment: Lots known as Nos. 54, 55 and 56 on Block No. 212, and lots known as Nos. 8, 9, 11, 12, 13, 15 and 16, on Block No. 192.

##### TWELFTH WARD.

**BOULEVARD LAFFAYETTE—GUARD RAIL**, between One Hundred and Fifty-sixth street and Dyckman street. Area of assessment: West side of Boulevard Lafayette, between One Hundred and Fifty-sixth street and Dyckman street.

**CENTRAL PARK, WEST—SEWER**, between Ninetieth and Ninety-first streets. Area of assessment: Both sides of Central Park, West, between Ninetieth and Ninety-second streets, and both sides of Ninetieth and Ninety-first streets, between Central Park, West, and Columbus avenue.

**CONVENT AVENUE—SEWERS**, between One Hundred and Thirty-fifth and One Hundred and Forty-first streets, with CURVES, in One Hundred and Thirty-fifth, One Hundred and Thirty-sixth, One Hundred and Thirty-seventh, One Hundred and Thirty-eighth, and One Hundred and Forty-first streets; also **SEWER**, in One Hundred and Forty-first street between Convent and Amsterdam avenues. Area of assessment: Both sides of Convent avenue, from One Hundred and Thirty-fifth to One Hundred and Forty-first street; east side of Amsterdam avenue, from One Hundred and Thirty-sixth to One Hundred and Forty-first street; west side of St. Nicholas terrace, from One Hundred and Thirty-fifth to One Hundred and Forty-first street; both sides of One Hundred and Thirty-fifth and One Hundred and Thirty-seventh streets, from Convent avenue to St. Nicholas terrace, and both sides of One Hundred and Thirty-sixth, One Hundred and Thirty-seventh, One Hundred and Thirty-eighth, One Hundred and Thirty-ninth and One Hundred and Fortieth streets, from Amsterdam to Convent avenue.

**DYCKMAN STREET—OUTLET SEWER**, between Hudson river and Kingsbridge road. Area of assessment: Both sides of Dyckman street, from Kingsbridge road to Hudson river; both sides of Kingsbridge road, from One Hundred and Seventy-third street to a point distant about 250 feet north of Hawthorne street; both sides of Audubon avenue, from One Hundred and Eighty-seventh to One Hundred and Ninetieth street; both sides of Eleventh avenue, from One Hundred and Eighty-fifth to One Hundred and Ninetieth street; both sides of Wadsworth avenue, from One Hundred and Seventy-ninth street to a point distant about 150 feet north of One Hundred and Ninetieth street, and both sides of Wadsworth avenue, from One Hundred and Seventy-third to One Hundred and Seventy-fifth street; both sides of Boulevard Lafayette and Fort Washington avenue, from a

point just north of a line parallel with the north line of One Hundred and Ninetieth street, and extending northerly and following the line of said avenue and Boulevard until they reach the intersection of Kingsbridge road; both sides of Bolton road, commencing at its intersection with Dyckman street and Kingsbridge road and extending northerly along said road until it reaches the northerly boundary of land known on the tax maps as Farm 48, Ward No. 45; both sides of F street, from Dyckman street to Bolton road; both sides of Prospect avenue, from Bolton road to a point near Nicholas place; both sides of Seaman avenue, from Bolton road to Emerson street; both sides of Cooper street, from Academy street to Isham street; both sides of B street and C street, from Dyckman street to the first street south of Dyckman street; both sides of D street, from Dyckman street to Boulevard Lafayette, including also the land between Kingsbridge road and Fort Washington avenue (excepting east side of Fort Washington avenue), from One Hundred and Seventy-third street to a point just north of One Hundred and Ninetieth street; both sides of One Hundred and Seventy-fifth and One Hundred and Seventy-ninth streets, from Wadsworth avenue to Kingsbridge road; both sides of Depot road, from Kingsbridge road to Fort Washington avenue; both sides of One Hundred and Eightieth street, from Eleventh avenue to Kingsbridge road, both sides of One Hundred and Eighty-first street, from Eleventh avenue to Fort Washington avenue; both sides of One Hundred and Eighty-second, One Hundred and Eighty-third and One Hundred and Eighty-fourth streets, from Eleventh avenue to Kingsbridge road; both sides of One Hundred and Eighty-fifth street, from Audubon avenue to Kingsbridge road; both sides of One Hundred and Eighty-seventh street from a point distant about 185 feet east of Audubon avenue to Kingsbridge road; both sides of One Hundred and Eighty-eighth and One Hundred and Eighty-ninth streets, from Audubon avenue to Wadsworth avenue; both sides of One Hundred and Ninetieth street, from Eleventh avenue to Kingsbridge road; both sides of Hillside street, extending about 620 feet easterly from Kingsbridge road; both sides of Academy street, from Kingsbridge road to Seaman avenue; both sides of Hawthorne street, from Kingsbridge road to Seaman avenue, and both sides of Emerson street, from Cooper street to Seaman avenue.

**ONE HUNDRED AND THIRTEENTH STREET—PAVING**, between Amsterdam and Morningside avenues. Area of assessment: Both sides of One Hundred and Thirteenth street between Amsterdam and Morningside avenues, and to the extent of half the block on the terminating avenues.

**ONE HUNDRED AND FOURTEENTH STREET—FENCING**, southeast corner of Pleasant avenue. Area of assessment: Lots known as Nos. 4 and 29 to 32, inclusive.

**ONE HUNDRED AND FOURTEENTH STREET—PAVING**, between Amsterdam and Morningside avenues. Area of assessment: Both sides of One Hundred and Fourteenth street, between Amsterdam and Morningside avenues, and to the extent of half the block on the terminating avenues.

**ONE HUNDRED AND SEVENTEENTH STREET—PAVING**, between Lenox and St. Nicholas avenues. Area of assessment: Both sides of One Hundred and Seventeenth street, between Lenox and St. Nicholas avenues, and to the extent of half the block on the intersecting and terminating avenues.

**ONE HUNDRED AND TWENTY-SEVENTH STREET—RE-REGULATING, REGRADING, RECURBING AND REFLAGGING**, between St. Nicholas and Convent avenues. Area of assessment: Both sides of One Hundred and Twenty-seventh street, between St. Nicholas and Convent avenues.

**ONE HUNDRED AND FORTY-EIGHTH STREET—PAVING**, between Convent and Amsterdam avenues. Area of assessment: Both sides of One Hundred and Forty-eighth street, between Convent and Amsterdam avenues, and to the extent of half the block on the terminating avenues.

**ONE HUNDRED AND FORTY-NINTH STREET—PAVING**, between Convent and Amsterdam avenues. Area of assessment: Both sides of One Hundred and Forty-ninth street, between Convent and Amsterdam avenues, and to the extent of half the block on the terminating avenues.

**ONE HUNDRED AND FIFTIETH STREET—PAVING**, from the Boulevard to Amsterdam avenue. Area of assessment: Both sides of One Hundred and Fiftieth street, from the Boulevard to Amsterdam avenue, and to the extent of half the block on the terminating avenues.

**ONE HUNDRED AND SIXTY-THIRD STREET—SEWER**, between Amsterdam avenue and Edgecombe road. Area of assessment: Both sides of One Hundred and Sixty-third street, between Amsterdam avenue and Edgecombe road.

**ONE HUNDRED AND EIGHTY-THIRD STREET—SEWER**, between Kingsbridge road and Eleventh avenue, with CURVE in Wadsworth avenue. Area of assessment: Both sides of One Hundred and Eighty-third street, between Kingsbridge road and Eleventh avenue; both sides of One Hundred and Eighty-fourth street, between Wadsworth and Eleventh avenues, and both sides of Wadsworth avenue, between One Hundred and Eighty-third and One Hundred and Eighty-fifth streets.

**PARK AVENUE—PAVING** (west side), between Ninety-seventh and One Hundred and First streets. Area of assessment: West side of Park avenue, from Ninety-seventh street to a point halfway between One Hundred and First and One Hundred and Second streets, and to the extent of half the block on the intersecting streets.

**ST. NICHOLAS TERRACE—IRON FENCE**, between One Hundred and Thirtieth street and Convent avenue. Area of assessment: East side of St. Nicholas Terrace, between One Hundred and Thirtieth street and Convent avenue.

**THIRTIETH WARD.**  
**BROOME STREET—PAVING**, between Mangin and East streets, and LAYING CROSSWALKS. Area of assessment: Both sides of Broome street, between Mangin and East streets, and to the extent of half the block on the intersecting streets.

**BROOME STREET—BASINS** on the northeast and southeast corners of Tompkins street. Area of assessment: Both sides of Broome street, extending easterly from Tompkins street about 100 feet, also east side of Tompkins street, from Grand street to a point about 50 feet north of Broome street.

**FIFTEENTH WARD.**  
**MACDOUGAL STREET—SEWERS**, between West Washington place and Clinton place. Area of assessment: Both sides of Macdougal street, from Waverley place to Clinton place, and both sides of Macdougal alley, from Macdougal street to Fifth avenue; also, both sides of Macdougal street, from Washington place to a point about 100 feet north.

**TWENTIETH WARD.**  
**TWENTY-EIGHTH STREET—PAVING**, between Eleventh and Thirtieth avenues. Area of assessment: Both sides of Twenty-eighth street, between Eleventh and Thirtieth avenues, and to the extent of half the block on the terminating avenues.

**TWENTY-NINTH STREET—PAVING**, between Eleventh and Thirtieth avenues. Area of assessment: Both sides of Twenty-ninth street, between Eleventh and Thirtieth avenues, and to the extent of half the block on the terminating avenues.

**THIRTIETH STREET—PAVING**, between Tenth and Eleventh avenues. Area of assessment: Both sides of Thirtieth street, between Tenth and Eleventh avenues, and to the extent of half the block on the terminating avenues.

**TWENTY-SECOND WARD.**  
**FORTY-FOURTH STREET—FENCING** VACANT LOTS, known as Nos. 532, 534 and 536 West Forty-fourth street. Area of assessment: The lots numbered 51 to 54, both inclusive, on Block No. 1072.

**SIXTY-SEVENTH AND SIXTY-EIGHTH STREETS—CROSSWALKS** at the easterly side of Columbus avenue. Area of assessment: East side of Columbus avenue, from a point about 100 feet south of Sixty-seventh street to a point about 100 feet north of

Sixty-eighth street, and on Sixty-seventh and Sixty-eighth streets, to the extent of half the block east of Columbus avenue.

**EIGHTY-FIRST STREET—SEWER**, between Columbus avenue and Central Park, West. Area of assessment: Both sides of Eighty-first street, between Columbus avenue and Central Park, West, and both sides of Central Park, West, between Eighty-first and Eighty-fifth streets.

##### TWENTY-THIRD WARD.

**BREMER AVENUE—SEWER**, between Jerome avenue and the summit north of East One Hundred and Sixty-sixth street. Area of assessment: Both sides of Bremer avenue, from Jerome avenue to a point distant about 167 feet north of One Hundred and Sixty-sixth street; both sides of One Hundred and Sixty-sixth, One Hundred and Sixty-third and One Hundred and Sixty-fourth streets, from Bremer to Ogden avenue; both sides of Nelson avenue, from One Hundred and Sixty-fourth to One Hundred and Sixty-fifth street, and both sides of One Hundred and Sixty-fifth street, from Nelson avenue to Bremer avenue.

**GROVE STREET—PAVING**, between Third and Brook avenues. Area of assessment: Both sides of Grove street, between Third and Brook avenues, and to the extent of half the block on the intersecting and terminating avenues.

**INTERVALE AVENUE—BASINS**, on the northeast and northwest corners of East One Hundred and Sixty-fifth street. Area of assessment: Both sides of Intervale avenue, between One Hundred and Sixty-third and One Hundred and Sixty-seventh streets, and north side of One Hundred and Sixty-fifth street, between Kelly street and Hall place.

**MELROSE AVENUE—REGULATING, GRADING, CURBING, FLAGGING AND LAYING CROSSWALKS**, from Third avenue to One Hundred and Sixty-third street. Area of assessment: Both sides of Melrose avenue, between Third avenue and One Hundred and Sixty-third street, and to the extent of half the block on the intersecting streets.

**OGDEN AVENUE—SEWER**, from Jerome avenue to the summit north of One Hundred and Sixty-fourth street (Kemp place). Area of assessment: Both sides of Ogden avenue, from Jerome avenue to a point distant about 206 feet north of One Hundred and Sixty-fourth street; both sides of Summit avenue, from One Hundred and Sixty-first to One Hundred and Sixty-fourth street; both sides of One Hundred and Sixty-first, One Hundred and Sixty-second and One Hundred and Sixty-fourth streets, from Summit to Ogden avenue.

**ONE HUNDRED AND THIRTY-SEVENTH STREET—PAVING**, between Alexander and Brook avenues. Area of assessment: Both sides of One Hundred and Thirty-seventh street, between Alexander and Brook avenues, and to the extent of half the block on the intersecting avenues.

**ONE HUNDRED AND FORTY-FIRST STREET—PAVING**, between Third and Alexander avenues. Area of assessment: Both sides of One Hundred and Forty-first street, between Third and Alexander avenues, and to the extent of half the block on the intersecting avenues.

**ONE HUNDRED AND FORTY-SECOND STREET—PAVING**, between Brook and St. Ann's avenues. Area of assessment: Both sides of One Hundred and Forty-second street, between Brook and St. Ann's avenues, and to the extent of half the block on the intersecting avenues.

**SHERMAN AVENUE—SEWER**, between One Hundred and Sixty-first and One Hundred and Sixty-third streets. Area of assessment: East side of Mott avenue, from One Hundred and Sixty-third to One Hundred and Sixty-fifth street; both sides of Sheridan avenue, from One Hundred and Sixty-third to One Hundred and Sixty-fifth street; east side of Sheridan avenue, extending about 470 feet south of Overlook avenue; west side of Sheridan avenue, extending about 431 feet north of Overlook avenue; east side of Sheridan avenue, from Overlook avenue to Highwood avenue; both sides of Mott avenue, from Hawkstone street to a point about 50 feet north of Sherman avenue; both sides of Sherman avenue, from One Hundred and Sixty-first street to Overlook avenue; both sides of Crestover place, from Overlook avenue to Highwood avenue; both sides of Grant and Sherman avenues, from One Hundred and Sixty-first street to a point distant about 200 feet north of Sheridan avenue; both sides of Morris avenue, from One Hundred and Sixty-first street to a point distant about 100 feet north of Elliot street; both sides of Findlay avenue, from Morris avenue to a point distant about 228 feet north of Elliot street; both sides of Fleetwood avenue, from Highwood avenue to a point about 140 feet north of Elliot street; both sides of One Hundred and Sixty-second street, from Morris to Sherman avenue; both sides of One Hundred and Sixty-third street, from Morris to Sheridan avenue; both sides of One Hundred and Sixty-fourth street, from a point distant about 300 feet east of Morris avenue to Sheridan avenue; south side of One Hundred and Sixty-fifth street, from Sheridan to Mott avenue; both sides of One Hundred and Sixty-fifth street, from Morris to Sheridan avenue; both sides of One Hundred and Sixty-sixth street, from Morris to Sherman avenue; both sides of Overlook avenue, from Morris avenue to Sheridan avenue; both sides of Highwood avenue, from Fleetwood avenue to Crestover place, and both sides of Elliot street, from Fleetwood avenue to Sheridan avenue.

**ST. ANN'S AVENUE—BASIN**, northwest corner of One Hundred and Fifty-sixth street. Area of assessment: North side of One Hundred and Fifty-sixth street, from German place to St. Ann's avenue.

**ST. JOSEPH STREET—SEWER**, between Bungay street and Tompkins place. Area of assessment: Both sides of St. Joseph street, from Bungay street to Tompkins place; both sides of Crane street, from Tompkins place to Robbins avenue; both sides of Dater street, from Southern Boulevard to Robbins avenue; both sides of Whitlock avenue, from Bungay street to Edgewater road; both sides of Austin place, from St. Joseph street to a point distant about 200 feet west of Bungay street; both sides of Simpson place, from St. Joseph street to a point distant about 543 feet west of Bungay street; both sides of Southern Boulevard, from One Hundred and Forty-second street to a point distant about 300 feet west of One Hundred and Forty-ninth street; both sides of Union avenue, from Southern Boulevard to One Hundred and Forty-ninth street; both sides of Tinton avenue, from Southern Boulevard to a point distant about 237 feet north of Dater street; both sides of Wales avenue, from One Hundred and Forty-second street to a point distant about 230 feet north of Dater street; both sides of Concord avenue, from St. Mary's street to a point distant about 200 feet north of Dater street, and both sides of Robbins avenue, from St. Joseph street to Dater street.

**TWENTY-FOURTH WARD.**  
**ONE HUNDRED AND SEVENTY-FIFTH STREET—REGULATING, GRADING, CURBING, FLAGGING AND LAYING CROSSWALKS**, between Webster and Third avenues. Area of assessment: Both sides of One Hundred and Seventy-fifth street, between Webster and Third avenues, and to the extent of half the block on the intersecting avenues.

**WEBSTER AVENUE—REGULATING, GRADING, CURBING, FLAGGING, BUILDING APPROACHES AND FENCING**, between One Hundred and Eighty-fourth street and the Kingsbridge road. Area of assessment: Both sides of Webster avenue, from the south side of One Hundred and Eighty-fourth street to the Kingsbridge road, and to the extent of half the block on the intersecting streets.

—that the same were confirmed by the Board of Revision and Correction of Assessments on July 30, 1897, and entered the same date in the Record of Titles of Assessments Confirmed, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon, as pro-



pects true. Where more than one person is interested it is requisite that the verification be made and subscribed to by all the parties interested.

In case a bid shall be submitted by or in behalf of any corporation, it must be signed in the name of such cor



poration by some duly authorized officer or agent thereof, who shall also subscribe his own name and office. If practicable, the seal of the corporation should also be affixed.

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

No estimate will be received or considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of security required for the faithful performance of the contract. Such check or money must not be 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-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.

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.

In case there are two or more bids at the same price, which price is the lowest price bid, the contract, if awarded, will be awarded by lot, to one of the lowest bidders.

**THE RIGHT TO DECLINE ALL THE ESTIMATES IS RESERVED IF DEEMED FOR THE INTEREST OF THE CORPORATION OF THE CITY OF NEW YORK.**

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

EDWARD C. O'BRIEN, EDWIN EINSTEIN, JOHN MONKS, Commissioners of the Department of Docks.

Dated New York, 1897.

**TO CONTRACTORS. (No. 595.)**  
PROPOSALS FOR ESTIMATES FOR REPAIRING THE PLATFORM AT THE FOOT OF SEVENTH AVENUE, HARLEM RIVER.

ESTIMATES FOR REPAIRING THE PLATFORM AT THE FOOT OF SEVENTH AVENUE, HARLEM 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 11:30 o'clock A.M. of

FRIDAY, AUGUST 27, 1897.

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

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

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

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

1. Removal of present platform.
2. Yellow Pine Timber, 12" x 14", about 174 feet, B. M., measured in the work; Yellow Pine Timber, 12" x 12", about 24,108 feet, B. M., measured in the work; Yellow Pine Timber, 6" x 7", about 525 feet, B. M., measured in the work; Yellow Pine Timber, 5" x 10", about 4,738 feet, B. M., measured in the work; Yellow Pine Timber, 4" x 10", about 20,333 feet, B. M., measured in the work; Yellow Pine Timber, 3" x 10", about 17,980 feet, B. M., measured in the work; Yellow Pine Timber, 3" x 6", about 147 feet, B. M., measured in the work; Yellow Pine Timber, 2" x 4", about 722 feet, B. M., measured in the work—total, about 68,727 feet, B. M., measured in the work.

NOTE.—All of the above quantities of timber mentioned in item 2 are exclusive of waste, but are inclusive of scarfs, and laps for joints.

3. White Pine, Yellow Pine, Norway Pine or Cypress Piles, 92.

It is estimated that these piles will have to be from 30 to 40 feet in length to meet the requirements of the specifications for driving.

4. White Oak Fender Piles, about 30 feet long, 10.
5. Half-round White Oak Fenders, 27.
6. Round Log Sills, 66 feet long, 1; Round Log Sills, 50 feet long, 3; Round Log Sills, 12 feet long, 22.
7.  $\frac{3}{4}$ " x 26",  $\frac{3}{4}$ " x 24",  $\frac{3}{4}$ " x 22",  $\frac{3}{4}$ " x 20",  $\frac{3}{4}$ " x 18",  $\frac{3}{4}$ " x 16",  $\frac{3}{4}$ " x 14",  $\frac{3}{4}$ " x 12",  $\frac{3}{4}$ " x 10",  $\frac{3}{4}$ " x 8",  $\frac{3}{4}$ " x 6", square Wrought-iron Spike-pointed Dock-spikes and 40d. Nails, about 4,850 pounds.
8.  $1\frac{1}{4}$ ",  $1\frac{1}{2}$ " and 1" Wrought-iron Screw-bolts and Nuts, about 1,115 pounds.
9. Cast-iron Washers for  $1\frac{1}{2}$ " and 1" Screw-bolts, about 650 pounds.
10. Wrought-iron Washers for  $1\frac{1}{4}$ " bolts, about 35 pounds.
11. Cast-iron Cleats, weighing about 165 pounds each, 4.
12. Dry Rubble Wall, about 28 cubic yards.
13. Earth Filling and Grading, about 550 cubic yards.
14. Labor of Framing and Carpentry, including all moving of Timber, Jointing, Planing, Bolting, Spiking, Painting, Oiling or Tarring, and labor of every description.

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

- 1st. Bidders must satisfy themselves by personal ex-

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

2d. Bidders will be required to complete the entire work to the satisfaction of the Department of Docks, and in substantial accordance with the specifications of the contract and the plans therein referred to. No extra compensation, beyond the amount payable for the work before-mentioned, which shall be actually performed at the price therefor, 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 receipt of a notification from the Engineer-in-Chief of the Department of Docks that the work, or any part of it, is ready to be begun, and all the work to be done under the contract is to be fully completed on or before the expiration of sixty days after the date of service of said notification, and the damages to be paid by the contractor for each day that the contract may be unfulfilled after the time fixed for the fulfillment thereof has expired, are, by a clause in the contract, determined, fixed and liquidated at Fifty Dollars per day.

Where the City of New York owns the wharf, pier or bulkhead at which the materials under this contract are to be delivered, and the same is not leased, no charge will be made to the contractor for wharfage upon vessels conveying said materials.

Bidders will state in their estimates a price for the whole of the work to be done in conformity with the approved form of agreement and the specifications therein set forth, by which price the bids will be tested. This price is to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay, from any cause, in the performing of the work thereunder. 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 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 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 from the date of the service of a notice to that effect, and in case of failure or neglect so to do, he or they will be considered as having abandoned it and as in default to the Corporation, and the contract will be readvertised and relet, and so on until it be accepted and executed.

Bidders are required to state in their estimates their names and places of residence, the names of all persons interested with them therein, and if no other person be so interested the estimate shall distinctly state the fact; also that the estimate is made without any consultation, connection or agreement with, and the amount thereof has not been disclosed to, any other person or persons making an estimate for the same purpose, and is not higher than the lowest regular market price for the same kind of labor or material and is in all respects fair and without collusion or fraud; that no combination or pool exists of which the bidder is a member, or of which the bidder is directly or indirectly interested, or in which the bidder has knowledge, either personal or otherwise, to bid a certain price, or not less than a certain price, for said labor or material, or to keep others from bidding thereon; and also that no member of the Common Council, Head of a Department, Chief of a Bureau, Deputy thereof or Clerk therein, or any other officer or employee of the Corporation of the City of New York, or any of its departments, is directly or indirectly interested in the estimate, or in the supplies or work to which it relates, or in any portion of the profits thereof, and has not been given, offered or promised, either directly or indirectly, any pecuniary or other consideration by the bidder or anyone in his behalf with a view to influencing the action or judgment of such officer or employee in this or any other transaction heretofore had with this Department, which estimate must be verified by the oath, in writing, of the party making the estimate, that the several matters stated therein are in all respects true. *Where more than one person is interested it is requisite that the verification be made and subscribed to by all the parties interested.*

In case a bid shall be submitted by or in behalf of any corporation, it must be signed in the name of such corporation by some duly authorized officer or agent thereof, who shall also subscribe his own name and office. If practicable, the seal of the corporation should also be affixed.

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

No estimate will be received or considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of security required for the faithful performance of the contract. Such check or money must not be 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-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.

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.

In case there are two or more bids at the same price, which price is the lowest price bid, the contract, if awarded, will be awarded by lot to one of the lowest bidders.

**THE RIGHT TO DECLINE ALL THE ESTIMATES IS RESERVED IF DEEMED FOR THE INTEREST OF THE CORPORATION OF THE CITY OF NEW YORK.**

Bidders are requested, in making their bids or estimates, to use the blank prepared for that purpose by

the Department, a copy of which, together with the form of the agreement, including specifications, and showing the manner of payment for the work, can be obtained upon application therefor at the office of the Department.

EDWARD C. O'BRIEN, EDWIN EINSTEIN, JOHN MONKS, Commissioners of the Department of Docks.

Dated New York, August 4, 1897.

**WORK OF CONSTRUCTION UNDER NEW PLAN. TO CONTRACTORS. (No. 599.)**  
PROPOSALS FOR ESTIMATES FOR FURNISHING AND PUTTING IN PLACE SMALL COBBLE-STONES.

ESTIMATES FOR FURNISHING AND PUTTING IN PLACE small cobble-stones, 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 11:30 o'clock A.M. of

TUESDAY, AUGUST 24, 1897.

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

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

The bidder to whom the award is made shall give security for the faithful performance of the contract, in the manner prescribed and required by ordinance, in the sum of Thirty-five Hundred Dollars for Class I.

The Engineer's estimate of the quantities is as follows:

Small Cobble Stone for Bulkhead or River Wall, to be deposited in place by Contractor.

Class I.—About 12,500 cubic yards of Small Cobble-stone.

Where the City of New York owns the wharf, pier or bulkhead at which the materials under this contract are to be delivered, no charge will be made to the contractor for wharfage upon vessels conveying said materials.

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

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

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

The materials are to be delivered south of Sixtieth street, North river, or south of One Hundred and Twenty-fifth street, East or Harlem river, from time to time, and in such quantities and at such times as may be directed by the Engineer. And all the work under this contract is to be fully completed on or before the first day of January, 1898, at which time this contract will cease and terminate.

The right is reserved by the Department of Docks to increase or diminish the estimated quantities of material called for by this contract by an amount not exceeding twenty per cent. of the estimated quantities. And the bidder will agree that he will not ask or demand, sue for nor recover any extra compensation for damage or loss of anticipated profits, beyond the amount payable for the several classes of work, in this contract enumerated, which shall be actually supplied at the prices therefor agreed upon.

The damages to be paid by the Contractor for each day that the contract, or any part thereof, or of any delivery that may be ordered or directed by the Engineer, may be unfulfilled after the respective times fixed for the fulfillment thereof have expired, are, by a clause in the contract, determined, fixed and liquidated at Fifty Dollars per day.

Bidders will state in their proposals a price, per cubic yard, for each of the above classes of materials in conformity with the approved form of agreement and the specifications therein set forth, by which the bids will be tested. This price is to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay, from any cause, in the receiving of the material by the Department of Docks.

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

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

Bidders are required to state in their estimates their names and places of residence, the names of all persons interested with them therein, and if no other person be so interested the estimate shall distinctly state the fact; also that the estimate is made without any consultation, connection or agreement with, and the amount thereof has not been disclosed to, any other person or persons making an estimate for the same purpose, and is not higher than the lowest regular market price for the same kind of labor or material, and is in all respects fair and without collusion or fraud; that no combination or pool exists of which the bidder is a member, or of which the bidder is directly or indirectly interested, or in which the bidder has knowledge, either personal or otherwise, to bid a certain price, or not less than a certain price, for said labor or material, or to keep others from bidding thereon; and also that no member of the Common Council, Head of a Department, Chief of a Bureau, Deputy thereof, or Clerk therein, or any other officer or employee of the Corporation of the City of New York or any of its departments, is directly or indirectly interested in the estimate, or in the supplies or work to which it relates, or in any portion of the profits thereof, and has not been given, offered or promised, either directly or indirectly, any pecuniary or other consideration by the bidder or anyone in his behalf with a view to influencing the action or judgment of such officer or employee in this or any other transaction heretofore had with this Department, which estimate must be verified by the oath, in writing, of the party making the estimate that the several matters stated therein are in all respects true. *Where more than one person is interested it is requisite that the verification be made and subscribed to by all the parties interested.*

In case a bid shall be submitted by or in behalf of any corporation, it must be signed in the name of such corporation by some duly authorized officer or agent thereof, who shall also subscribe his own name and office. If practicable, the seal of the corporation should also be affixed.

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person or persons making the estimate, they will, upon its being so awarded, become bound as his or their sureties for its faithful performance, and that if said person or persons shall omit or refuse to execute the contract, they will pay to the Corporation of the City of New York any difference between the sum to which said person or persons would be

entitled upon its completion and that which said Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting, the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above all his liabilities as bail, surety and otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered will be subject to approval by the Comptroller of the City of New York after the award is made and prior to the signing of the contract.

No estimate will be received or considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of security required for the faithful performance of the contract. Such check or money must not be 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-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.

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.

In case there are two or more bids at the same price, in either or both classes, which price is the lowest price bid, the contract, if awarded, will be awarded by lot to one of the lowest bidders.

**THE RIGHT TO DECLINE ALL THE ESTIMATES IS RESERVED IF DEEMED FOR THE INTEREST OF THE CORPORATION OF THE CITY OF NEW YORK.**

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

EDWARD C. O'BRIEN, EDWIN EINSTEIN, JOHN MONKS, Commissioners of the Department of Docks.

Dated New York, August 4, 1897.

## STREET CLEANING DEPT.

DEPARTMENT OF STREET CLEANING, NEW YORK  
August 18, 1897.

### PUBLIC NOTICE.

**PUBLIC NOTICE IS HEREBY GIVEN THAT** I will, on Wednesday, the first day of September, 1897, at 10:30 A.M., in Stable "A," of this Department, situated at the corner of Seventeenth street and Avenue C, sell at public auction under authority of section 705 of the New York City Consolidation Act, as amended by section 2, chapter 368, Laws of 1894, the following articles of personal property of this Department, namely:

- 6,000 pounds, more or less, old tire, malleable, cast and scrap iron.
- 27 barrels, more or less empty (oil of turpentine, varnish, etc.)
- 3 half-barrels (paint), more or less empty.
- 10 large bales of old worn-out bags (6,000 bags, more or less).
- 40 small bales old worn-out bags (12,000 bags, more or less).
- 26 single machine blocks (broom).
- 15 Chicago machine blocks (broom).
- 15 single machine blocks (broom) filled.
- 3 Kelly machine blocks (broom) filled.
- 1 old tire bender.
- 1 old tire platform.
- 149 old bicycle tires (rubber).
- 44 old bicycle saddles.
- 63 old bicycle pedals.

GEO. E. WARING, JR., Commissioner of Street Cleaning.

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

GEO. E. WARING, JR., Commissioner of Street Cleaning.

## STREET IMPROVEMENTS, 23D AND 24TH WARDS.

August 19, 1897.

### TO CONTRACTORS.

**SEALED BIDS OR ESTIMATES FOR EACH OF** the following-mentioned works, with the title of the work and name of the bidder indorsed thereon, also the number of the work, as in the advertisement, will be received by the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards, at his office, Third Avenue and One Hundred and Seventy-seventh street, until 11 o'clock A.M., on Thursday, September 2, 1897, at which time and hour they will be publicly opened:

- No. 1. FOR EXTENSION OF BRIDGE IN PELHAM AVENUE, OVER THE NEW YORK AND HARLEM RAILROAD.
- No. 2. FOR CONSTRUCTING A STEEL BEAM STRUCTURE AND ABUTMENTS AT THE CROSSING OF BROOK AVENUE AND THE PORT MORRIS BRANCH RAILROAD, between East One Hundred and Fifty-seventh street and Third Avenue.
- No. 3. FOR REGULATING, GRADING, SETTING CURB-STONES, FLAGGING THE SIDEWALKS, LAYING CROSSWALKS AND PLACING FENCES IN CROTONA PARK, SOUTH, from Fulton Avenue to Prospect Avenue.
- No. 4. FOR CONSTRUCTING A SEWER AND APPURTENANCES IN WEST FIFTH STREET, from the existing sewer in Second Avenue to Bronx terrace, AND IN BRONX TERRACE from West Fifth street to Tenth street.
- No. 5. FOR CONSTRUCTING SEWERS AND APPURTENANCES IN JENNINGS STREET, from the existing sewer in Wilkins place to Southern Boulevard, AND IN SOUTHERN BOULEVARD, from Jennings street to Boston road, AND IN MINFORD PLACE, from Jennings street to Boston road, AND IN BOSTON ROAD, from East One Hundred and Seventy-third street to summit west of Suburban place, AND IN CHARLOTTE STREET, from Jennings street to Boston road.
- No. 6. FOR CONSTRUCTING A SEWER AND APPURTENANCES IN EAST ONE HUNDRED AND SEVENTY-SIXTH STREET, from West Farms road to Boston road.
- No. 7. FOR CONSTRUCTING A SEWER AND APPURTENANCES IN BURNSIDE AVENUE, from the existing sewer in Jerome Avenue to Aqueduct Avenue.
- No. 8. FOR CONSTRUCTING A SEWER AND



**APPURTENANCES IN WEBSTER AVENUE,** from the southerly side of Mosholu Parkway, South, to the summit north of East Two Hundred and Fifth street, AND IN PARKSIDE PLACE, from East Two Hundred and Fifth street to East Two Hundred and Seventh street (Eclipse street, AND IN EAST TWO HUNDRED AND SEVENTH STREET (Eclipse street), from Parkside place to Norwood avenue.

**No. 9. FOR CONSTRUCTING RECEIVING-BASINS AND APPURTENANCES ON JEROME AVENUE, AS FOLLOWS:** Northeast corner of East One Hundred and Seventy-ninth street; northeast, northwest and southwest corners of Burnside avenue; northeast, northwest and southwest corners of East One Hundred and Eighty-first street; northeast corner of Cameron place; northwest corner of Clinton place; northeast and northwest corners of East One Hundred and Eighty-second street; northwest corner of Buchanan place; northwest corner of Evelyn place; northeast and northwest corners of East One Hundred and Eighty-fourth street; east and west sides, between East One Hundred and Eighty-fourth street and Fordham road, and northeast and northwest corners of Fordham road.

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

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

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

No estimate will be considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in a 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. The Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards reserves the right to reject all bids received for any particular work if he deems it for the best interests of the City.

Blank forms of bid or estimate, the proper envelopes which to inclose the same, the specifications and agreements, and any further information desired, can be obtained at this office.

LOUIS F. HAFEN, Commissioner of Street Improvements, Twenty-third and Twenty-fourth Wards.

#### DEPT. OF PUBLIC CHARITIES.

DEPARTMENT OF PUBLIC CHARITIES, NEW YORK, August 19, 1897.

**PROPOSALS FOR DRY GOODS, SEALED** bids or estimates for furnishing Dry Goods during the last six months of the year 1897, in conformity with samples and specifications, will be received at the office of the Department of Public Charities, No. 66 Third avenue, in the City of New York, until 12 o'clock A. M. of Wednesday, September 1, 1897.

1. 6,300 yards Cassimere "Pilots" width 27 inches in the selvege, weight 12 ounces to the yard, warps 1,200 ends of No. 14 black cotton warp, picks 38 to the inch, weave light, filling 65 per cent. new wool clips, 35 per cent. Ohio XX fleece wool, no cotton.  
2. 14,000 yards Brown Muslin "Buckshead" "Atlantic" or "Massachusetts Standard." 3. 2,300 yards Bleached Muslin 4/4 (Dwight Anchor). 4. 4,000 yards Dark Calico "American Printing Co." 5. 3,300 yards Furniture Check. 6. 500 yards Otis Check 7. 5,500 yards Canton Flannel "Amoskeag A.A." 8. 3,250 yards White Flannel No. 2. 9. 360 yards Red Flannel "Belvidere A." 10. 700 yards Gingham Johnson Manufacturing Company. 11. 1,250 yards, Gingham, "English Blue Chambray." 12. 3,650 yards Linsey Woolsey. 13. 250 yards Blue Denim "Otis C.C." 14. 1,000 yards Linen Diaper. 15. 300 yards Cotton Jean "Flushing." 16. 1,500 yards Hickory Stripes "Hamilton." 17. 375 yards Crash "Stevens," all linen. 18. 100 yards White Marble Oil Cloth. 19. 100 pounds first quality White Brown Machine Thread, 2 ounce spools, 25 ounces to the pound, No. 50 Stewart's or Barbour's. 20. 70 pounds Linen Thread No. 30 as above, all thread to accord strictly with the numbers marked on same. 21. 300 White Toilet Quilts "Bates." 22. 45 dozen Men's Knit Shirts. 23. 35 dozen Boys' Knit Shirts. 24. 8 dozen Women's Knit Shirts. 25. 30 dozen Girls' Knit Shirts. 26. 25 dozen Men's Knit Drawers. 27. 44 dozen Boys' Knit Drawers. 28. 30 dozen Girls' Knit Drawers. 29. 100 pairs White Blankets "Hartford" 1/4 weight to average 6 pounds per pair.

All quantities more or less.  
No empty packages are to be returned to bidders or contractors except such as are designated in the specifications.

The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed, "Bid or Estimate for Dry Goods," 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, or his duly authorized agent, and read.

THE BOARD OF PUBLIC CHARITIES 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 bid for each article.

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

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract is awarded to the person making the estimate, they will, upon its being so awarded, become bound as his sureties for its faithful performance, and that if he shall omit or refuse to execute the same they shall pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting, the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract over and above all his debts of every nature and over and above his liabilities as bail, surety, or otherwise, and that he has offered himself as 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 inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

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

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 said Department, or, in the absence of samples, to the printed specifications. Bidders are cautioned to examine the specifications for particulars of the articles, etc., required before making their estimates. Bids will stand the price for each article, by which the bids will be tested.

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

Payment will be made by a requisition on the Comptroller, in accordance with the terms of the contract, or from time to time, as the Commissioners may determine. The form of the contract, including specifications, and showing the manner of payment, will be furnished at the office of the Department, and bidders are cautioned to examine each and all of its provisions carefully, as the Board of Public Charities will insist upon its absolute enforcement in every particular.

SILAS C. CROFT, President; JOHN P. FAURE and JAMES R. O'BRIEN, Commissioners, Department of Public Charities.

#### DEPARTMENT OF PUBLIC WORKS

COMMISSIONER'S OFFICE, No. 150 NASSAU STREET, NEW YORK, August 17, 1897.

##### 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 No. 150 Nassau street, corner of Spruce street, in the Chief Clerk's Office, Room No. 1704-7, until 12 o'clock M. on Monday, August 30, 1897. The bids will be publicly opened by the head of the department, on second floor, at No. 150 Nassau street, at the hour above-mentioned.

**No. 1. FOR SEWERS IN SOUTH STREET,** between Gouverneur Slip and Montgomery street, AND IN GOUVERNEUR SLIP, EAST AND WEST SIDES, between South and Water streets, WITH ALTERATION AND IMPROVEMENT TO CONNECTING SEWERS IN FRONT, WATER AND GOUVERNEUR STREETS.

**No. 2. FOR ALTERATION AND IMPROVEMENT TO SEWERS IN TENTH STREET,** between Avenues A and C, AND IN AVENUE A, between Ninth and Tenth streets.

**No. 3. FOR REPAIRS TO WOODEN BOX SEWER IN TWELFTH AVENUE,** between Thirtieth and Fortieth streets.

**No. 4. FOR SEWER IN SEVENTH AVENUE,** WEST SIDE, between One Hundred and Fortieth and One Hundred and Forty-second streets.

**No. 5. FOR SEWER IN SEVENTH AVENUE,** WEST SIDE, between One Hundred and Forty-third and One Hundred and Forty-fourth streets, connecting with sewer One Hundred and Forty-fourth street, west of Seventh avenue.

**No. 6. FOR SEWER IN EIGHTH AVENUE,** WEST SIDE, between One Hundred and Forty-eighth and One Hundred and Fifty-first streets, AND IN ONE HUNDRED AND FORTY-EIGHTH STREET, between Eighth and Bradhurst avenues, WITH CURVES IN ONE HUNDRED AND FORTY-NINTH AND ONE HUNDRED AND FIFTIETH STREETS.

**No. 7. FOR SEWER IN ONE HUNDRED AND EIGHTY-NINTH STREET,** between Amsterdam and Eleventh avenues, WITH CURVE IN AUDUBON AVENUE.

**No. 8. FOR SEWER IN ONE HUNDRED AND EIGHTY-SIXTH STREET,** between Amsterdam and Eleventh avenues.

**No. 9. FOR REGULATING AND GRADING NINTH AVENUE** from Two Hundred and First street to Kingsbridge road, AND SETTING CURB-STONES AND FLAGGING SIDEWALKS THEREIN.

**No. 10. FOR REGULATING AND GRADING NAGLE AVENUE,** from Kingsbridge road to Tenth avenue, AND SETTING CURB-STONES AND FLAGGING SIDEWALKS THEREIN (except between Kingsbridge road and Dyckman street).

**No. 11. FOR FLAGGING, CURBING, ETC., THE SIDEWALKS ON FOURTEENTH, FIFTEENTH AND SIXTEENTH STREETS,** between Tenth and Eleventh avenues.

**No. 12. FOR FLAGGING AND REFLAGGING THE SIDEWALKS ON THE BOULEVARD,** from Fifty-ninth to One Hundred and Eighth street.

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 therein, and if no other person be so interested it shall distinctly state that fact; that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or in the work to which it relates, or in any portion of the profits thereof.

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

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

No estimate will be considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in a 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.

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

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained in Room No. 1701 for Nos. 1 to 12 inclusive, and in Room No. 1734 for Nos. 9 to 12 inclusive.

CHARLES H. T. COLLIS, Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS—COMMISSIONER'S OFFICE, No. 150 NASSAU STREET, NEW YORK, August 17, 1897.

**NOTICE OF SALE AT PUBLIC AUCTION OF THE BALANCE OF THE CONDEMNED BUILDINGS AND PARTS OF BUILDINGS WITHIN THE LINES OF ELM STREET WIDENING AND EXTENSION.**

ON FRIDAY, AUGUST 27, 1897, THE Department of Public Works will sell at public auction, on the ground, under the direction of the Engineer in Charge of Street Openings, Room No. 1728, by L. J. Phillips & Co., Auctioneers.

THE BUILDINGS AND PARTS OF BUILDINGS, ETC., ETC. On that portion of the lands acquired by the City of New York, under authority of chapter 641, Laws of 1897, for the widening and extension of Elm street, from City Hall place, near Chambers street, to Great Jones street, opposite Lafayette place, in the Sixth, Fourteenth and Fifteenth Wards of the City of New York. The sale to be made in 129 separate parcels, as described in a printed catalogue, copies of which can be obtained at the office of the Commissioner of Public Works. The sale will begin with Parcel No. 1, at the corner of City Hall place and Centre street, and will proceed in the order given in the catalogue.

##### TERMS OF SALE.

The sale is on the condition that the buildings, or parts of buildings, sold shall be removed by the purchaser on or before September 30, 1897.

The purchaser shall pay the amount of the purchase money in bankable funds, on the ground at the time of the sale; or the buildings, etc., not so paid for will be resold. He shall also pay to the auctioneer, at the time of sale, a fee of ten dollars (\$10) on each parcel bought by him, when the price of such parcel shall exceed the sum of ten dollars (\$10). The purchaser shall also pay over to the auctioneer, on the ground at the time of the sale, a deposit by certified check, payable to the order of the Comptroller of the City of New York, or in bankable funds, to the amount of fifty dollars (\$50) on each parcel purchased by him, as enumerated in the catalogue, as security for the faithful performance of the work of removing the buildings and parts of buildings as herein required.

If the purchaser fails to remove the buildings and parts of buildings within the time herein specified, he shall forfeit ownership of the same, together with all moneys paid therefor, and the moneys deposited as security for the removal of the same; and the Department of Public Works will resell the buildings or parts of buildings. If the purchaser shall faithfully perform the removal of the buildings or parts of buildings, as herein specified, the amount of deposit as security for removal shall be returned to him.

CHARLES H. T. COLLIS, Commissioner of Public Works.

TO OWNERS, ARCHITECTS AND BUILDERS.

NOTICE IS HEREBY GIVEN THAT ALL ORDINANCES of the Common Council, approved March 30, 1897, and subsequent thereto, in relation to the use and occupancy of sidewalks, must be complied with, and that all hoistways must occupy only such space of the sidewalk as is authorized by special ordinance of the Common Council, passed March 30, 1886, viz.:

"Hoistways may be placed within the stoop-lines, but in no case to extend beyond five feet from the house-line, and shall be guarded by iron railings or rods to prevent accidents to passers-by."

You are further notified that all violations now existing of such ordinances must be removed, and that all conditions set forth in permits granted for vault or other purposes must be complied with within sixty days. The

special ordinances permitting court-yard inclosures give no right to occupy this space otherwise.

CHARLES H. T. COLLIS, Commissioner of Public Works.

COMMISSIONER'S OFFICE, No. 150 NASSAU STREET, NEW YORK, August 17, 1897.

##### 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 No. 150 Nassau street, corner of Spruce street, in the Chief Clerk's office, Room No. 1704-7, until 12 o'clock M. on Tuesday, August 24, 1897. The bids will be publicly opened by the head of the Department, on second floor, at No. 150 Nassau street, at the hour above mentioned.

**No. 1. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND SIXTH STREET,** from Boulevard to Riverside Drive.

**No. 2. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND EIGHTH STREET,** from Central Park, West, to Columbus avenue.

**No. 3. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND FOURTEENTH STREET,** from Lenox to St. Nicholas avenue.

**No. 4. FOR REGULATING AND PAVING WITH ASPHALT-BLOCK PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF LEXINGTON AVENUE,** from Ninety-seventh to One Hundred and First street.

**No. 5. FOR REGULATING AND PAVING WITH ASPHALT-BLOCK PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND THIRD STREET,** from Fourth to Fifth avenue.

**No. 6. FOR REGULATING AND PAVING WITH ASPHALT-BLOCK PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND NINETEENTH STREET,** from the Boulevard to Riverside Drive.

**No. 7. FOR REGULATING AND PAVING WITH ASPHALT-BLOCK PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND TWENTY-FIFTH STREET,** from Claremont avenue to the Boulevard.

**No. 8. FOR REGULATING AND PAVING WITH ASPHALT-BLOCK PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND THIRTY-SEVENTH STREET,** from Seventh to Eighth avenue.

**No. 9. FOR REGULATING AND PAVING WITH ASPHALT-BLOCK PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND FORTY-SIXTH STREET,** from Eighth to Bradhurst avenue.

**No. 10. FOR REGULATING AND PAVING WITH ASPHALT-BLOCK PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND FORTY-SEVENTH STREET,** from Eighth to Bradhurst avenue.

**No. 11. FOR REGULATING AND PAVING WITH ASPHALT-BLOCK PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND FORTY-EIGHTH STREET,** from Eighth to Bradhurst avenue.

**No. 12. FOR REGULATING AND PAVING WITH ASPHALT-BLOCK PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF BRADHURST AVENUE,** from the north side of One Hundred and Forty-fifth street to the north side of One Hundred and Fiftieth street.

**No. 13. FOR REGULATING AND PAVING WITH ASPHALT-BLOCK PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND SEVENTY-NINTH STREET,** from Kingsbridge road to Amsterdam avenue.

**No. 14. FOR REGULATING AND PAVING WITH ASPHALT-BLOCK PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND EIGHTY-SECOND STREET,** from the Boulevard or Eleventh avenue to Amsterdam avenue.

**No. 15. FOR REGULATING AND PAVING WITH ASPHALT-BLOCK PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND EIGHTY-FIFTH STREET,** from Wadsworth to Amsterdam avenue.

**No. 16. FOR REGULATING AND PAVING WITH ASPHALT-BLOCK PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND EIGHTY-SEVENTH STREET,** from Eleventh to Amsterdam avenue.

**No. 17. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF LEWIS STREET,** from Houston to Eighth street, so far as the same is within the limits of grants of land under water.

**No. 18. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF LEWIS STREET,** from Houston to Eighth street, so far as the same is not within the limits of grants of land under water.

**No. 19. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF SIXTH STREET,** from Avenue D to Lewis street, and SEVENTH STREET, from Avenue C to Lewis street.

**No. 20. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF ONE HUNDRED AND ELEVENTH STREET,** from Fifth avenue to Avenue A.

**No. 21. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF SEVENTH AVENUE,** from Fifty-eighth to Fifty-ninth street.

**No. 22. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF ELEVENTH STREET,** from Second to Fourth avenue.

**No. 23. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF THIRTY-FIRST STREET,** from Broadway to Tenth avenue.

**No. 24. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF THIRTY-FIFTH STREET,** from the west side of Sixth avenue to the east side of Ninth avenue.

**No. 25. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF FIFTY-FOURTH STREET,** from Madison to Lexington avenue.

**No. 26. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF FIFTY-SIXTH STREET,** from Park to Lexington avenue and from Lexington to Third avenue.

**No. 27. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF FIFTY-SEVENTH STREET,** from Park to Lexington avenue, and from Broadway to Ninth avenue.

**No. 28. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF SIXTY-FIRST STREET,** from First to Madison avenue.

**No. 29. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF SIXTY-SEVENTH STREET,** from Fourth to Lexington avenue.

**No. 30. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF SIXTY-SEVENTH STREET,** from Fourth to Lexington avenue.



ENT PAVEMENT, THE CARRIAGEWAY OF SEVENTY-FOURTH STREET, from Boulevard to West End avenue.

No. 31. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF SEVENTY-EIGHTH STREET, from Columbus avenue to the Boulevard.

No. 32. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF SEVENTY-NINTH STREET, from the Boulevard to West End avenue.

No. 33. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF EIGHTIETH STREET, from First avenue to Avenue A.

No. 34. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF EIGHTY-SIXTH STREET, from First to Madison avenue.

No. 35. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF NINETIETH STREET, from First to Second avenue.

No. 36. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF ONE HUNDRED AND TWENTY-FOURTH STREET, from west side of Madison avenue to intersection of Fifth avenue.

No. 37. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON THE PRESENT PAVEMENT, THE CARRIAGEWAY OF ONE HUNDRED AND THIRTIETH STREET, from the Boulevard to Twelfth avenue.

No. 38. FOR REGULATING AND PAVING WITH GRANITE OR SYENITE BLOCK PAVEMENT, WITH CONCRETE FOUNDATION, THE CARRIAGEWAY OF MONROE STREET, from Jackson to Grand street, so far the same is within the limits of grants of land under water.

No. 39. FOR REGULATING AND PAVING WITH GRANITE OR SYENITE BLOCK PAVEMENT, WITH CONCRETE FOUNDATION, THE CARRIAGEWAY OF MONROE STREET, from Jackson to Grand street, so far the same is not within the limits of grants of land under water.

No. 40. FOR REGULATING AND PAVING WITH GRANITE OR SYENITE BLOCK PAVEMENT, WITH CONCRETE FOUNDATION, THE CARRIAGEWAY OF SIXTH STREET, from Lewis street to 500 feet east, so far the same is within the limits of grants of land under water.

No. 41. FOR REGULATING AND PAVING WITH GRANITE OR SYENITE BLOCK PAVEMENT, WITH CONCRETE FOUNDATION, THE CARRIAGEWAY OF SIXTH STREET, from Lewis street to about 500 feet east, so far the same is not within the limits of grants of land under water.

No. 42. FOR LAYING WATER-MAINS IN AMSTERDAM, JACKSON, BRIGGS, MARMON, CAULDWELL, CLAREMONT AND A VENEUES; IN SEVENTY-SEVENTH, ONE HUNDRED AND SIXTH, ONE HUNDRED AND SEVENTH, ONE HUNDRED AND SIXTEENTH, ONE HUNDRED AND TWENTY-FIFTH, ONE HUNDRED AND THIRTY-SEVENTH, ONE HUNDRED AND FIFTY-FOURTH, ONE HUNDRED AND EIGHTY-THIRD, DAWSON AND CRAVEN STREETS, AND IN MACOMBE'S DAM ROAD, FAIRMOUNT AND LORING PLACES, AND ON BLACKWELL'S AND RANDALL'S ISLANDS.

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 therein, and if no other person be so interested it shall distinctly state that fact; that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud; and that no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or in the work to which it relates or in any portion of the profits thereof.

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

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

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

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

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained in Bureau of Water Purveyor on second floor, for Nos. 1 to 41 inclusive, and in Room No. 1715 for No. 42.

CHARLES H. T. COLLIS, Commissioner of Public Works.

COMMISSIONER'S OFFICE, No. 150 NASSAU STREET, New York, August 12, 1897.

#### 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 No. 150 Nassau street, corner of Spruce street, in the Chief Clerk's office, Room No. 1704-7, until 12 o'clock M. on Thursday, September 26, 1897. The bids will be publicly opened by the head of the Department, on second floor, at No. 150 Nassau street, at the hour above-mentioned.

No. 1. FOR THE CONSTRUCTION OF A

BRIDGE OVER THE HARLEM RIVER, between One Hundred and Twenty-ninth street and First avenue and One Hundred and Thirty-fourth street and Willis avenue.

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 therein, and if no other person be so interested it shall distinctly state that fact; that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or in the work to which it relates, or in any portion of the profits thereof.

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

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

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

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

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained in Room No. 1715.

CHARLES H. T. COLLIS, Commissioner of Public Works.

COMMISSIONER'S OFFICE, No. 150 NASSAU STREET, New York, August 12, 1897.

#### TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A sealed envelope, with the title of the work and the name of the bidder indorsed thereon, will be received at No. 150 Nassau street, corner of Spruce street, in the Chief Clerk's office, Room No. 1704-7, until 12 o'clock M. on Wednesday, August 25, 1897. The bids will be publicly opened by the head of the Department, on second floor, at No. 150 Nassau street, at the hour above-mentioned.

FOR FURNISHING ALL LABOR AND MATERIALS NECESSARY TO BUILD AND COMPLETE A PUBLIC COMFORT STATION, UNDER THE SIDEWALK AND CITY HALL PARK, ON THE NORTHERLY SIDE OF MAIL STREET, BETWEEN BROADWAY AND PARK ROW, WITH THE NECESSARY SEWER, MANHOLES, ETC., FOR CONNECTION WITH THE SEWER IN BROADWAY, OPPOSITE TO PARK PLACE.

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 therein, and if no other person be so interested it shall distinctly state that fact; that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or in the work to which it relates or in any portion of the profits thereof.

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

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

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

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

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained at the office of the Engineer in Charge of Street Openings, Room No. 1723, 17th floor, where plans for the proposed work can be seen.

CHARLES H. T. COLLIS, Commissioner of Public Works.

NOTICE TO PROPERTY-OWNERS, BUILDERS, FLAGGERS AND OTHERS.

NOTICE IS HEREBY GIVEN THAT THE practice of placing concrete or other friable curbs on the streets of this city is in contravention of chapter 5, Article XIV, section 251, Revised Ordinances of 1897, which reads: "All curbs-stones \* \* \* shall be of the best hard blue or gray granite." And this Department will find it necessary to prosecute to the full penalty imposed by law persons setting or making such curbs, whether they have broken up or removed the curbs-stones provided by the City or not.

Further notice is given that this Department will in no case entertain claims or damages to concrete or other artificial sidewalks that are caused by repair or setting of hydrants, or by other work which the City does for the general good.

CHARLES H. T. COLLIS, Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS, COMMISSIONER'S OFFICE, No. 150 NASSAU STREET, NEW YORK, August 6, 1897.

NOTICE IS HEREBY GIVEN THAT THE charge for vault permits is fixed at the rate of \$2 per square foot, under and pursuant to ordinance of the Common Council relating thereto.

HOWARD PAYSON WILDS, Deputy Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS—COMMISSIONER'S OFFICE, No. 150 NASSAU STREET, NEW YORK, March 23, 1897.

NOTICE IS HEREBY GIVEN TO ALL PLUMBERS, to whom license has been or may be issued to make and connect service pipes, for conducting water to houses and tenements with the distributing pipes in this city, after said pipes have been tapped, and to make connections with sewers or drains from houses and tenements with the sewers or drains in the streets or avenues of this city, that such license will be revoked in the case of any plumber who permits another to use his license and to do the work of a master plumber without holding a certificate of competency from the Examining Board of Plumbers; or who violates any of the regulations which have been or may hereafter be established by the Department, respecting the introduction and use of the Croton water and connections made with sewers and drains.

CHARLES H. T. COLLIS, Commissioner of Public Works.

#### DEPARTMENT OF BUILDINGS.

DEPARTMENT OF BUILDINGS, No. 220 FOURTH AVENUE, NEW YORK, June 22, 1896.

NOTICE TO OWNERS, ARCHITECTS AND BUILDERS.

THE DEPARTMENT OF BUILDINGS HAS established a branch office at junction of Third and Courtlandt avenues, where all plans for the erection or alteration of buildings above the Harlem river may be submitted and filed.

STEVENS CONSTABLE, Superintendent Buildings.

#### CITY CIVIL SERVICE COMM.

NEW CRIMINAL COURT BUILDING, NEW YORK, August 10, 1897.

EXAMINATIONS WILL BE HELD AS FOLLOWS:

Tuesday, August 31, 10 A. M., TRUANT OFFICER.

Wednesday, September 1, 10 A. M., MATE.

Thursday, September 2, 10 A. M., WORKHOUSE HOSPITAL ORDERLY. Examination will consist of writing, arithmetic, questions on duties of an Orderly and care of patients.

S. WILLIAM BRISCOE, Secretary.

NEW YORK, July 1, 1897.

NOTICE IS GIVEN THAT THE REGISTRATION day in the Labor Bureau will be Friday, and that examinations will take place on that day at 1 P. M.

S. WILLIAM BRISCOE, Secretary.

#### SUPREME COURT.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to NINEY-FOURTH STREET (although not yet named by proper authority), from First avenue to Harlem river, in the Twelfth Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road.

NOTICE IS HEREBY GIVEN THAT THE supplemental and additional bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court, at a Special Term thereof, Part I, to be held in and for the City and County of New York, at the County Court-house in the City of New York, on the 7th day of September, 1897, at 10:30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the City and County of New York, there to remain for and during the space of ten days, as required by law.

Dated New York, August 18, 1897.  
EDWIN T. TALIAFERRO, RIGUAL T. WOODWARD, JOHN K. GREEN, Commissioners.  
JOHN P. DUNN, Clerk.

In the matter of the application 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 the lands, tenements and hereditaments required for the purpose of opening SPUYTEN DUYVIL ROAD (although not yet named by proper authority), from the Spuyten Duyvil Parkway, near the Spuyten Duyvil Depot, to the junction of Riverdale avenue and West Two Hundred and Thirtieth street, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of the City of New York.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, were appointed by an order of the Supreme Court, bearing date the 25th day of June, 1897, Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate and assessment of the loss and damage, if any, or of the benefit and advantage, if any, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening the above-mentioned street or avenue, the same being particularly set forth and described in the petition of The Mayor, Aldermen and Commonality of the City of New York, and also in the notice of the application for the said order thereto attached, filed herein in the office of the Clerk of the City and County of New York on the 29th day of June, 1897, and a just and equitable estimate and assessment of the value of the benefit and advantage of said street or avenue so to be opened or laid out and formed, to the respective owners, lessees, parties and persons respectively entitled to or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and

forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled "An act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street or avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to us, the undersigned Commissioners of Estimate and Assessment, at our office, Gerken Building, No. 90 West Broadway, in the City of New York, with such affidavits or other proofs as the said owners or claimants may desire, within twenty days after the date of this notice.

And we, the said Commissioners, will be in attendance at our said office on the 15th day of September, 1897, at 10 o'clock in the forenoon of that day, to hear the said parties and persons in relation thereto, and at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimants or claimants, or such additional proofs and allegations as may then be offered by such owner, or on behalf of The Mayor, Aldermen and Commonality of the City of New York.

Dated New York, August 21, 1897.  
EDWARD B. WHITNEY, LOUIS F. SCOFIELD,  
HENRY D. HOTCHKISS, Commissioners.  
HENRY DE FOREST BALDWIN, Clerk.

In the matter of the application 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 the lands, tenements and hereditaments required for the purpose of opening CHARLOTTE STREET (although not yet named by proper authority), from Jennings street to Crotona Park, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-third and Twenty-fourth Wards of the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing to us at our office, Nos. 90 and 92 West Broadway, ninth floor, in said city, on or before the 15th day of September, 1897, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 15th day of September, 1897, and for that purpose will be in attendance at our said office on each of said ten days at 12 o'clock M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, Nos. 90 and 92 West Broadway, in the said city, there to remain until the 20th day of September, 1897.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situate, lying and being in the City of New York, which, taken together, are bounded and described as follows, viz.: On the north by a line drawn parallel to Crotona Park and distant 100 feet northerly from the northerly side thereof; on the south by a line drawn parallel to Freeman street and distant 100 feet southerly from the southerly side thereof; on the east by the middle line of the block between East One Hundred and Seventy-third street and Suburban place and said middle line produced from the northerly boundary of the area of assessment to the middle line of the blocks between East One Hundred and Seventy-second street and East One Hundred and Seventy-third street; thence by a line drawn parallel to the Southern Boulevard and distant 100 feet easterly from the easterly side thereof, from the middle line of the blocks between East One Hundred and Seventy-second street and East One Hundred and Seventy-third street to a line drawn parallel to Jennings street and distant 100 feet northerly from the northerly side thereof; thence by the westerly side of Bryant street, from a line drawn parallel to Jennings street and distant 100 feet northerly from the northerly side thereof to a line drawn parallel to Jennings street and distant 100 feet southerly from the southerly side thereof; and thence by a line drawn parallel to the Southern Boulevard and distant 100 feet easterly from the easterly side thereof, from a line drawn parallel to Jennings street and distant 100 feet southerly from the southerly side thereof to a line drawn parallel to Jennings street and distant 100 feet southerly from the southerly side thereof; thence by the middle line of the blocks between Stebbins avenue and Intervale avenue from a line drawn parallel to Jennings street and distant 100 feet southerly from the southerly side thereof to the southerly boundary of the area of assessment, as said streets are shown upon the Final Maps of the Twenty-third and Twenty-fourth Wards of the City and County of New York, excepting from said area all streets, avenues and roads, or portions thereof heretofore legally opened, as such area is shown upon our benefit maps deposited as aforesaid.

Fourth—That our report herein will be presented to a Special Term of the Supreme Court, Part III, of the State of New York, to be held in and for the City and County of New York, at the County Court-house in the City of New York, on the 18th day of October, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, August 6, 1897.  
DENNIS McEVoy, WILLIAM H. BARKER, Commissioners.  
HENRY DE FOREST BALDWIN, Clerk.

NOTICE OF FILING THE FIRST PARTIAL AND SEPARATE ESTIMATE OF DAMAGE, AND OF MOTION TO CONFIRM THE FIRST PARTIAL AND SEPARATE REPORT OF THE COMMISSIONERS OF ESTIMATE.

In the matter of the application of The Mayor, Aldermen and Commonality 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 in fee to certain pieces or parcels of land between East One Hundred and Twenty-fifth street and First avenue and the Harbor Commissioners' line of the Harlem river, and between the southerly line of One Hundred and Thirty-second street and Willis avenue and the southerly line of One Hundred and Thirty-fourth street and Willis avenue, and to a right of way or easement between the United States Pierhead-line of the Harlem river and One Hundred and Twenty-fifth street and First avenue and One Hundred and Thirty-fourth street and Willis avenue, pursuant to the provisions of chapter 147 of the Laws of 1894.



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

First—That we have completed our first partial and separate estimate of damage, embracing all those certain pieces or parcels of land between Willis avenue and One Hundred and Thirty-fourth street and the United States Bulkhead-line of the Harlem river, with right of way or easement between the United States Pierhead-line of the Harlem river and One Hundred and Thirty-second street at Willis avenue, for the construction of a bridge over the Harlem river and approaches thereto, between One Hundred and Twenty-fifth street and First avenue and One Hundred and Thirty-fourth street and Willis avenue, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, to us, at our office, Nos. 90 and 92 West Broadway, ninth floor, in said city, on or before the 18th day of September, 1897, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 18th day of September, 1897, and for that purpose will be in attendance at our said office on each of said ten days at 2 o'clock P. M.

Second—That the abstract of our said estimate together with our damage map, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited in the Bureau of Street Openings, in the Law Department of the City of New York, Nos. 90 and 92 West Broadway, in said city, there to remain until the 20th day of September, 1897.

Third—That our first partial and separate report herein will be presented to a Special Term of the Supreme Court, Part III., of the State of New York, to be held in and for the City and County of New York, at the County Court-house in the City of New York, on the 12th day of October, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated, New York, August 4, 1897.  
ARTHUR BERRY, JOHN FENNEL, E. W. BLOOMINGDALE, Commissioners.  
JOHN P. DUNN, Clerk.

#### NOTICE OF FILING THE THIRD PARTIAL AND SEPARATE ESTIMATE OF DAMAGE AND OF MOTION TO CONFIRM THE THIRD PARTIAL AND SEPARATE REPORT OF THE COMMISSIONERS OF ESTIMATE AND ASSESSMENT TOGETHER WITH THE PROPOSED AREA OF ASSESSMENT.

In the matter of the application of The Mayor, Aldermen and Commonality of the City of New York, by the Counsel to the Corporation, relative to acquiring title, wherever the same has not been heretofore acquired, to all the lands, tenements, hereditaments, property, rights, terms, easements and privileges not owned by the Mayor, Aldermen and Commonality of the City of New York, or any right, title and interest therein, not extinguishable by public authority, embraced within the lines of the GRAND BOULEVARD AND CONCOURSE and nine transverse roads, from a point on East One Hundred and Sixty-first street, in said city, at the intersection of said street and Mott avenue northerly to Moshulu Parkway, as laid out and established by the Commissioners of Street Improvements of the Twenty-third and Twenty-fourth Wards of the City of New York, pursuant to the provisions of chapter 130 of the Laws of 1895.

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

First—That we have completed our third partial and separate estimate of damage, embracing all that portion of the Grand Boulevard and Concourse and transverse roads designated as Section 3, and shown as Parcel A on our damage map deposited as hereinafter mentioned, and extending from the north side of Burnside avenue to the south side of East One Hundred and Eighty-fourth street; and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, present their objections in writing to us, at our office, Nos. 90 and 92 West Broadway, ninth floor, in said city, on or before the 18th day of September, 1897, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 18th day of September, 1897, and for that purpose will be in attendance at our said office on each of said ten days at 3 o'clock P. M.

Second—That the abstract of said estimate, together with our damage maps, and also all the affidavits, estimates and other documents used by us in making our said estimate have been deposited in the Bureau of Street Openings, in the Law Department of the City of New York, Nos. 90 and 92 West Broadway, ninth floor, in said city, there to remain until the 20th day of September, 1897.

Third—That pursuant to the provisions of chapter 130 of the Laws of 1895, as amended by chapter 89 of the Laws of 1896, we propose to assess for benefit, which assessment will appear in our last partial and separate abstract of estimate and assessment, all those lots, pieces or parcels of land situated, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: Northerly by the line separating the City of New York from the City of Yonkers; easterly by the Bronx river and the East river; southerly by the Harlem river, the Bronx Kills and the East river, and westerly by the Hudson river and the Harlem river, all of which land taken together is known as the Twenty-third Ward and part of the Twenty-fourth Ward, as such territory was annexed to the City of New York by an act of the Legislature designated as chapter 613 of the Laws of 1873, and acts amendatory thereof.

Fourth—That our third partial and separate report herein will be presented to a Special Term of the Supreme Court, Part III., of the State of New York, to be held in and for the City and County of New York, at the County Court-house, in the City of New York, on the 18th day of October, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, August 10, 1897.  
JAMES A. BLANCHARD, Chairman; JOHN H. KNOEPFEL, HUGH R. GARDEN, Commissioners.  
WILLIAM K. KRESS, Clerk.  
HENRY DE FOREST BALDWIN, Assistant to the Counsel to the Corporation.

In the matter of the application 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 the lands, tenements and hereditaments required for the purpose of opening EAST ONE HUNDRED AND SIXTY-FIRST STREET (although not yet named by proper authority), from Union avenue to Prospect avenue, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-third Ward of the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections, in writing, to us, at our office, Nos. 90 and 92 West Broadway, ninth floor, in said city, on or

before the 18th day of September, 1897, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 18th day of September, 1897, and for that purpose will be in attendance at our said office on each of said ten days at 12.15 o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, Nos. 90 and 92 West Broadway, in said city, there to remain until the 16th day of September, 1897.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situated, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: On the north by the middle line of the blocks between East One Hundred and Sixty-first street or Clifton street, and East One Hundred and Sixty-third street, from Third avenue to the middle line of the block between Tinton avenue and Union avenue, thence by the southerly side of East One Hundred and Sixty-third street, from the middle line of the block between Tinton avenue and Union avenue to a line drawn parallel to Prospect avenue and distant 100 feet easterly from the easterly side thereof; on the south by the middle line of the blocks between East One Hundred and Sixty-first street or Clifton street and East One Hundred and Sixty-third street or Denman place and said middle line produced, from St. Ann's avenue to the middle line of the blocks between Tinton avenue and Union avenue; thence by the middle line of the blocks between Denman place or East One Hundred and Sixty-eighth street, from the middle line of the blocks between Tinton avenue and Union avenue to Westchester avenue; on the east by a line drawn parallel to Prospect avenue and distant 100 feet easterly from the easterly side thereof, from the northerly boundary of the area of assessment to the westerly side of Westchester avenue; thence along the westerly side of Westchester avenue to the southerly boundary of the area of assessment and on the west by St. Ann's avenue and Third avenue; excepting from said area all streets, avenues and roads, or portions thereof heretofore legally opened, as such area is shown upon our benefit maps deposited as aforesaid.

Fourth—That our report herein will be presented to a Special Term of the Supreme Court, Part III., of the State of New York, to be held in and for the City and County of New York, at the County Court-house, in the City of New York, on the 18th day of October, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, August 7, 1897.  
J. PHILIP BERG, Chairman; JOHN D. CRIMMINS, JR., GEO. CHAPPELL, Commissioners.  
JOHN P. DUNN, Clerk.

In the matter of the application 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 the lands, tenements and hereditaments required for the purpose of opening SHERIDAN AVENUE (although not yet named by proper authority), from East One Hundred and Fifty-third street to East One Hundred and Sixty-first street, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-third Ward of the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections, in writing, to us, at our office, Nos. 90 and 92 West Broadway, ninth floor, in said city, on or before the 18th day of September, 1897, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 18th day of September, 1897, and for that purpose will be in attendance at our said office on each of said ten days at 2 o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, Nos. 90 and 92 West Broadway, in said city, there to remain until the 18th day of September, 1897.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situated, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: On the north by the middle line of the blocks between East One Hundred and Sixty-fifth street and East One Hundred and Sixty-sixth street, from the Grand Boulevard and Concourse to a line drawn parallel to Sherman avenue and distant 100 feet easterly from the easterly side thereof; on the south by a line drawn parallel to East One Hundred and Forty-ninth street and distant 200 feet southerly from the southerly side thereof; on the east by a line drawn parallel to Sherman avenue and distant 100 feet easterly from the easterly side thereof, from the northerly boundary of the area of assessment to the middle line of the blocks between East One Hundred and Sixty-first street and East One Hundred and Sixty-second street; thence by a line drawn parallel to Morris avenue and distant 100 feet easterly from the easterly side thereof, from the middle line of the blocks between East One Hundred and Sixty-first street and East One Hundred and Sixty-second street to East One Hundred and Sixty-fifth street; thence by a line drawn parallel to Park avenue and distant 100 feet easterly from the easterly side thereof, from East One Hundred and Fifty-fifth street to a line drawn parallel to East One Hundred and Forty-ninth street and distant 200 feet southerly from the southerly side thereof; and on the west by the Grand Boulevard and Concourse, from the northerly boundary of the area of assessment to the middle line of the block between East One Hundred and Sixty-first street and East One Hundred and Sixty-second street; thence by the middle line of the blocks between Walton avenue and Mott avenue, from the middle line of the block between East One Hundred and Sixty-first street and East One Hundred and Sixty-second street to the southerly boundary of the area of assessment, as such streets are shown upon the final maps of the City and County of New York, excepting from said area all streets, avenues and roads, or portions thereof heretofore legally opened, as such area is shown upon our benefit maps deposited as aforesaid.

Fourth—That our report herein will be presented to a Special Term of the Supreme Court, Part III., of the State of New York, to be held in and for the City and County of New York, at the County Court-house, in the City of New York, on the 18th day of October, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, August 6, 1897.  
ROBERT STURGIS, Chairman, CHARLES H. BABCOCK, WM. FITZPATRICK, Commissioners.  
JOHN P. DUNN, Clerk.

In the matter of the application 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 BOSCOBEL PLACE (although not yet named by proper authority), extending from Undercliff avenue to Boscobel avenue, south of Washington Bridge, in the Twenty-fourth Ward of the City of New York, as the same has been heretofore laid out and designated as a public place.

**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 Part I. thereof, in the County Court-house, in the City of New York, on Monday, the 23d day of August, 1897, 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 by 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 public place, known as Boscobel place, extending from Undercliff avenue to Boscobel avenue, south of Washington Bridge, in the Twenty-fourth Ward of the City of New York, being the following-described lots, pieces or parcels of land, viz.:

**PARCEL "A."**  
Beginning at the intersection of the western line of

Aqueduct avenue with the southern line of Undercliff place.  
1st. Thence southwesterly along the western line of Aqueduct avenue for 92.44 feet.  
2d. Thence westerly deflecting 76 degrees 47 minutes 32 seconds to the right for 289.49 feet to the eastern line of Undercliff place.  
3d. Thence northerly along the eastern line of Undercliff place for 30.23 feet to the southern line of Undercliff place.  
4th. Thence northeasterly curving to the right on the arc of a circle of 60 feet radius for 94.01 feet along the southern line of Undercliff place.  
5th. Thence easterly along the southern line of Undercliff place for 250.50 feet to the point of beginning.

**PARCEL "B."**  
Beginning at the intersection of the eastern lines of Aqueduct avenue and Ogden avenue.  
1st. Thence northwesterly along the eastern line of Aqueduct avenue for 76.82 feet to the southern line of Boscobel avenue.  
2d. Thence southeasterly curving to the left on the arc of a circle of 145.63 feet radius for 128.29 feet along the southwestern line of Boscobel avenue.  
3d. Thence southerly on a line tangent to the preceding course and along the southwestern line of Boscobel avenue for 38.55 feet.  
4th. Thence westerly deflecting 114 degrees 37 minutes 19 seconds to the right for 137.50 feet to the eastern line of Ogden avenue.  
5th. Thence northerly along the eastern line of Ogden avenue for 49.50 feet to the point of beginning.

Boscobel place is designated as a public place, and is shown on section 75 of the Final Maps and Profiles of the Twenty-third and Twenty-fourth Wards of the City of New York, filed in the office of the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards of the City of New York on December 16, 1895; in the office of the Register of the City and County of New York on December 17, 1895, and in the office of the Secretary of State of the State of New York on December 17, 1895.

Dated New York, August 10, 1897.  
FRANCIS M. SCOTT, Counsel to the Corporation,  
No. 2 Tryon Row, New York City.

duly selected and approved by said Board as a site for school purposes, under and in pursuance of the provisions of chapter 191 of the Laws of 1888, and the various statutes amendatory thereof.

**WE, THE UNDERSIGNED COMMISSIONERS** of Estimate in the above entitled matter, appointed pursuant to the provisions of chapter 191 of the Laws of 1888 and the various statutes amendatory thereof, hereby give notice to the owner or owners, lessee or lessees, parties and persons respectively entitled to or interested in the lands, tenements, hereditaments and premises, title to which is sought to be acquired in this proceeding, and to all others whom it may concern, to wit:

First—That we have completed our estimate of the loss and damage to the respective owners, lessees, parties and persons interested in the lands or premises affected by this proceeding, or having any interest therein, and have filed a true report or transcript of such estimate in the office of the Board of Education for the inspection of whosoever it may concern.

Second—That all parties or persons whose rights may be affected by the said estimate, and who may object to the same, or any part thereof, may, within ten days after the first publication of this notice, August 13, 1897, file their objections to such estimate, in writing, with us, at our office, Room No. 54, on the fourth floor of No. 111 Broadway, in said city, as provided by section 4 of chapter 191 of the Laws of 1888, and the various statutes amendatory thereof, and that we, the said Commissioners, will hear parties so objecting, at our office, on the 27th day of August, 1897, at 10.30 o'clock in the forenoon, and upon such subsequent days as may be found necessary.

Third—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held in Part I., in the County Court-house, in the City of New York, on the 14th day of September, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, August 12, 1897.  
LEWIS L. DELAFIELD, CONRAD HARRES,  
JOHN J. TOWNSEND, Commissioners.  
FRANK D. ARTHUR, Clerk.

In the matter of the application 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 the lands, tenements and hereditaments required for the purpose of opening EAST ONE HUNDRED AND SIXTY-SECOND STREET (formerly Cross street) (although not yet named by proper authority), from Summit avenue to Anderson avenue, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-third Ward of the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections, in writing, to us, at our office, Nos. 90 and 92 West Broadway, ninth floor, in said city, on or before the 18th day of September, 1897, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 18th day of September, 1897, and for that purpose will be in attendance at our said office on each of said ten days at 12.15 o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, Nos. 90 and 92 West Broadway, in said city, there to remain until the 18th day of September, 1897.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situated, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: On the north by the middle line of the blocks between East One Hundred and Sixty-third street and East One Hundred and Sixty-fourth street and said middle line produced from the middle line of the blocks between Anderson avenue and Jerome avenue to the middle line of the block between Summit avenue and Lind avenue; on the south by a line drawn parallel to East One Hundred and Sixty-first street and East One Hundred and Sixty-second street produced and distant 180 feet southerly from the southerly side thereof from the prolongation southerly of the middle line of the block between Summit avenue and Sedgwick avenue to the northerly side of Jerome avenue; thence by the northerly side of Jerome avenue to the middle line of the block between Anderson avenue and Jerome avenue; on the east by the middle line of the block between Anderson avenue and Jerome avenue, and on the west by the middle line of the block between Summit avenue and Lind avenue from the northerly boundary of the area of assessment to the junction of Sedgwick and Lind avenues; thence by the middle line of the block between Summit avenue and Sedgwick avenue and said middle line produced from the junction of Sedgwick avenue and Lind avenue to the southerly boundary of the area of assessment, as such streets are shown upon the final maps of the City and County of New York, excepting from said area all streets, avenues and roads, or portions thereof heretofore legally opened, as such area is shown upon our benefit maps, deposited as aforesaid.

Fourth—That our report herein will be presented to a Special Term of the Supreme Court, Part III., of the State of New York, to be held in and for the City and County of New York, at the County Court-house, in the City of New York, on the 18th day of October, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, August 6, 1897.  
ROBERT STURGIS, Chairman, CHARLES H. BABCOCK, WM. FITZPATRICK, Commissioners.  
JOHN P. DUNN, Clerk.

In the matter of the application 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 BOSCOBEL PLACE (although not yet named by proper authority), extending from Undercliff avenue to Boscobel avenue, south of Washington Bridge, in the Twenty-fourth Ward of the City of New York, as the same has been heretofore laid out and designated as a public place.

**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 Part I. thereof, in the County Court-house, in the City of New York, on Monday, the 23d day of August, 1897, 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 by 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 public place, known as Boscobel place, extending from Undercliff avenue to Boscobel avenue, south of Washington Bridge, in the Twenty-fourth Ward of the City of New York, being the following-described lots, pieces or parcels of land, viz.:

**PARCEL "A."**  
Beginning at the intersection of the western line of

Aqueduct avenue with the southern line of Undercliff place.  
1st. Thence southwesterly along the western line of Aqueduct avenue for 92.44 feet.  
2d. Thence westerly deflecting 76 degrees 47 minutes 32 seconds to the right for 289.49 feet to the eastern line of Undercliff place.  
3d. Thence northerly along the eastern line of Undercliff place for 30.23 feet to the southern line of Undercliff place.  
4th. Thence northeasterly curving to the right on the arc of a circle of 60 feet radius for 94.01 feet along the southern line of Undercliff place.  
5th. Thence easterly along the southern line of Undercliff place for 250.50 feet to the point of beginning.

**PARCEL "B."**  
Beginning at the intersection of the eastern lines of Aqueduct avenue and Ogden avenue.  
1st. Thence northwesterly along the eastern line of Aqueduct avenue for 76.82 feet to the southern line of Boscobel avenue.  
2d. Thence southeasterly curving to the left on the arc of a circle of 145.63 feet radius for 128.29 feet along the southwestern line of Boscobel avenue.  
3d. Thence southerly on a line tangent to the preceding course and along the southwestern line of Boscobel avenue for 38.55 feet.  
4th. Thence westerly deflecting 114 degrees 37 minutes 19 seconds to the right for 137.50 feet to the eastern line of Ogden avenue.  
5th. Thence northerly along the eastern line of Ogden avenue for 49.50 feet to the point of beginning.

Boscobel place is designated as a public place, and is shown on section 75 of the Final Maps and Profiles of the Twenty-third and Twenty-fourth Wards of the City of New York, filed in the office of the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards of the City of New York on December 16, 1895; in the office of the Register of the City and County of New York on December 17, 1895, and in the office of the Secretary of State of the State of New York on December 17, 1895.

Dated New York, August 10, 1897.  
FRANCIS M. SCOTT, Counsel to the Corporation,  
No. 2 Tryon Row, New York City.

Aqueduct avenue with the southern line of Undercliff place.

1st. Thence southwesterly along the western line of Aqueduct avenue for 92.44 feet.

2d. Thence westerly deflecting 76 degrees 47 minutes 32 seconds to the right for 289.49 feet to the eastern line of Undercliff place.

3d. Thence northerly along the eastern line of Undercliff place for 30.23 feet to the southern line of Undercliff place.

4th. Thence northeasterly curving to the right on the arc of a circle of 60 feet radius for 94.01 feet along the southern line of Undercliff place.

5th. Thence easterly along the southern line of Undercliff place for 250.50 feet to the point of beginning.

**PARCEL "B."**  
Beginning at the intersection of the eastern lines of Aqueduct avenue and Ogden avenue.

1st. Thence northwesterly along the eastern line of Aqueduct avenue for 76.82 feet to the southern line of Boscobel avenue.

2d. Thence southeasterly curving to the left on the arc of a circle of 145.63 feet radius for 128.29 feet along the southwestern line of Boscobel avenue.

3d. Thence southerly on a line tangent to the preceding course and along the southwestern line of Boscobel avenue for 38.55 feet.

4th. Thence westerly deflecting 114 degrees 37 minutes 19 seconds to the right for 137.50 feet to the eastern line of Ogden avenue.

5th. Thence northerly along the eastern line of Ogden avenue for 49.50 feet to the point of beginning.

Boscobel place is designated as a public place, and is shown on section 75 of the Final Maps and Profiles of the Twenty-third and Twenty-fourth Wards of the City of New York, filed in the office of the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards of the City of New York on December 16, 1895; in the office of the Register of the City and County of New York on December 17, 1895, and in the office of the Secretary of State of the State of New York on December 17, 1895.

Dated New York, August 10, 1897.  
FRANCIS M. SCOTT, Counsel to the Corporation,  
No. 2 Tryon Row, New York City.

In the matter of the application 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 the lands, tenements and hereditaments required for the purpose of opening DATER STREET (although not yet named by proper authority), from the Port Morris Branch of the New York and Harlem Railroad to the Southern Boulevard, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-third Ward of the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections, in writing, to us, at our office, Nos. 90 and 92 West Broadway, ninth floor, in said city, on or before the 18th day of September, 1897, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 18th day of September, 1897, and for that purpose will be in attendance at our said office on each of said ten days at 10.30 o'clock A. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited in the Bureau of Street Openings, in the Law Department of the City of New York, Nos. 90 and 92 West Broadway, in said city, there to remain until the 18th day of September, 1897.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situated, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: On the north by the middle line of the blocks between Dater street and Crane street and said middle line produced from the middle line of the blocks between Dater street and Crane street and said middle line produced from St. Mary's Park to the westerly side of the Southern Boulevard; thence along a line drawn at right angles to the westerly side of the Southern Boulevard to a line drawn parallel to the Southern Boulevard and distant 100 feet easterly from the easterly side thereof; on the south by the middle line of the blocks between Dater street and Crane street and said middle line produced from St. Mary's Park to the westerly side of the Southern Boulevard; thence along a line drawn at right angles to the westerly side of the Southern Boulevard and distant 100 feet easterly from the easterly side thereof; on the east by a line drawn parallel to the Southern Boulevard and distant 100 feet easterly from the easterly side thereof; and on the west by St. Mary's Park; excepting from said area all streets, avenues and roads, or portions thereof heretofore legally opened, as such area is shown upon our benefit maps deposited as aforesaid.

Fourth—That our report herein will be presented to a Special Term of the Supreme Court, Part III., of the State of New York, to be held in and for the City and County of New York at the County Court-house in the City of New York, on the 7th day of October, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, July 30, 1897.  
THEODORE T. BAXTER, Chairman; J. HENRY HAGGERTY, EDGAR A. CONE, Commissioners.  
JOHN P. DUNN, Clerk.

In the matter of the application 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 the lands, tenements and hereditaments required for the purpose of opening HYATT STREET (although not yet named by proper authority), from Mount Vernon avenue to the Northern boundary of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections, in writing, to us, at our office, Nos. 90 and 92 West Broadway, ninth floor, in said city, on or before the 18th day of September, 1897, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 18th day of September, 1897, and for that purpose will be in attendance at our said office on each of said ten days at 10 o'clock A. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, Nos. 90 and 92 West Broadway, in said city, there to remain until the 18th day of September, 1897.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land, situated, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: On the north by the middle line of the blocks between



Hyatt street or East Two Hundred and Forty-first street, and East Two Hundred and Forty-second street, and said middle line produced from a line drawn parallel to Mount Vernon avenue and distant westerly 100 feet from the westerly side thereof to the northern boundary of the City of New York; on the south by the middle line of the blocks between Hyatt street or East Two Hundred and Forty-first street and Holly street or East Two Hundred and Fortieth street and said middle line produced from a line drawn parallel to Mount Vernon avenue and distant westerly 100 feet from the westerly side thereof to the northern boundary of the City of New York; on the east by the northern boundary of the City of New York, and on the west by a line drawn parallel to Mount Vernon avenue and distant westerly 100 feet from the westerly side thereof; excepting from said area all streets, avenues and roads, or portions thereof heretofore legally opened, as such area is shown upon our benefit maps, deposited as aforesaid.

Fourth—That our report herein will be presented to a Special Term of the Supreme Court, Part III., of the State of New York, to be held in and for the City and County of New York at the County Court-house, in the City of New York, on the 7th day of October, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, July 30, 1897.  
C. W. WEST, Chairman; JAMES COWDEN MEYERS, Commissioners.  
JOHN P. DUNN, Clerk.

In the matter of the application 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 the lands, tenements and hereditaments required for the purpose of opening EAST ONE HUNDRED AND FIFTY-EIGHTH STREET (although not yet named by proper authority), from Morris avenue to Railroad avenue, West, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-third Ward of the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections, in writing, to us, at our office, Nos. 90 and 92 West Broadway, ninth floor, in said city, on or before the 4th day of September, 1897, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 4th day of September, 1897, and for that purpose will be in attendance at our said office on each of said ten days at 11 o'clock A.M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, Nos. 90 and 92 West Broadway, in the said city, there to remain until the 7th day of September, 1897.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: On the north by the middle line of the block between East One Hundred and Fifty-eighth street and East One Hundred and Sixtieth street and said middle line produced from a line drawn parallel to Morris avenue and distant 100 feet westerly from the westerly side thereof, on the east by Courtlandt avenue and on the west by a line drawn parallel to Morris avenue and distant 100 feet westerly from the westerly side thereof; excepting from said area all streets, avenues or roads, or portions thereof heretofore legally opened, as such area is shown upon our benefit maps deposited as aforesaid.

Fourth—That our report herein will be presented to a Special Term of the Supreme Court, Part III., of the State of New York, to be held in and for the City and County of New York, at the County Court-house, in the City of New York, on the 4th day of October, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, July 31, 1897.  
ROBERT STURGIS, Chairman; J. FAIRFAX McLAUGHLIN, JR., Commissioners.  
HENRY DE FOREST BALDWIN, Clerk.

In the matter of the application 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 the lands, tenements and hereditaments required for the purpose of opening HOLLY STREET (although not yet named by proper authority), from Mount Vernon avenue to the northern boundary of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections, in writing, to us, at our office, Nos. 90 and 92 West Broadway, ninth floor, in said city, on or before the 4th day of September, 1897, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 4th day of September, 1897, and for that purpose will be in attendance at our said office on each of said ten days at 12 o'clock A.M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, Nos. 90 and 92 West Broadway, in the said city, there to remain until the 7th day of September, 1897.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: On the north by the middle line of the blocks between Holly street or East Two Hundred and Fortieth street and Hyatt street or East Two Hundred and Forty-first street, and said middle line produced from a line drawn parallel to Mount Vernon avenue and distant westerly 100 feet from the westerly side thereof to the northern boundary of the City of New York; on the south by the middle line of the blocks between Holly street or East

Two Hundred and Fortieth street and Knox street or East Two Hundred and Thirty-ninth street and said middle line produced from a line drawn parallel to Mount Vernon avenue and distant westerly 100 feet from the westerly side thereof to Verio avenue; on the east by the northern boundary of the City of New York and Verio avenue, and on the west by a line drawn parallel to Mount Vernon avenue and distant westerly 100 feet from the westerly side thereof, excepting from said area all streets, avenues and roads or portions thereof heretofore legally opened, as such area is shown upon our benefit maps deposited as aforesaid.

Fourth—That our report herein will be presented to a Special Term of the Supreme Court, Part III., of the State of New York, to be held in and for the City and County of New York, at the County Court-house, in the City of New York, on the 7th day of October, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, August 2, 1897.  
NESTOR A. ALEXANDER, Chairman; THOMAS NOLAN, Commissioners.  
JOHN P. DUNN, Clerk.

In the matter of the application 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 the lands, tenements and hereditaments required for the purpose of opening EAST ONE HUNDRED AND SIXTY-FIRST STREET (although not yet named by proper authority), from Sedgwick avenue to Ogden avenue, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-third Ward of the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections, in writing, to us, at our office, Nos. 90 and 92 West Broadway, ninth floor, in said city, on or before the 8th day of September, 1897, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 8th day of September, 1897, and for that purpose will be in attendance at our said office on each of said ten days at 12 o'clock A.M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, Nos. 90 and 92 West Broadway, in the said city, there to remain until the 8th day of September, 1897.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: On the north by the middle line of the blocks between East One Hundred and Sixty-first street and East One Hundred and Sixty-fifth street and said middle line produced from the middle line of the blocks between Woodycrest avenue, or Bremer avenue, and Ogden avenue to the Spuyten Duyvil and Port Morris Branch of the N. Y. C. and H. R. Railroad; on the south by Jerome avenue; on the east by the middle line of the blocks between Woodycrest avenue, or Bremer avenue, and Ogden avenue, and on the west by the Spuyten Duyvil and Port Morris Branch of the N. Y. C. and H. R. Railroad, excepting from said area all streets, avenues and roads, or portions thereof heretofore legally opened, as such area is shown upon our benefit map deposited as aforesaid.

Fourth—That our report herein will be presented to a Special Term of the Supreme Court, Part III., of the State of New York, to be held in and for the City and County of New York, at the County Court-house, in the City of New York, on the 4th day of October, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, July 22, 1897.  
JACOB E. SALOMON, Chairman; JNO. H. SPELLMAN, Commissioners.  
JOHN P. DUNN, Clerk.

In the matter of the application 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 the lands, tenements and hereditaments required for the purpose of opening LIND AVENUE (although not yet named by proper authority), from Wolf street to Aqueduct avenue, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-third and Twenty-fourth Wards of the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections, in writing, to us, at our office, Nos. 90 and 92 West Broadway, ninth floor, in said city, on or before the 4th day of September, 1897, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 4th day of September, 1897, and for that purpose will be in attendance at our said office on each of said ten days at 2 o'clock P.M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, Nos. 90 and 92 West Broadway, in the said city, there to remain until the 7th day of September, 1897.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: On the north by Washington Bridge and Boscobel avenue; on the south by Sedgwick avenue; on the east by the middle line of the block between Lind avenue and Summit avenue, from Sedgwick avenue to Devoe street, or East One Hundred and Sixty-fifth street; thence by a line drawn parallel to Lind avenue and distant about 87.5 feet easterly from the easterly side thereof, from Devoe street or East One Hundred and Sixty-fifth street to the middle line of the blocks between East One Hundred and Sixty-sixth street and Union street or East One Hundred and Sixty-seventh street; thence by the middle line of the blocks between Ogden avenue and Nelson avenue to the middle line of the blocks between East One Hundred and Sixty-ninth street or Orchard street and the northerly side of Merriam avenue produced; thence by the middle line of the blocks between Merriam avenue and Ogden avenue to the middle line of the block between East One Hundred and Seventy-first street, and thence by a line drawn parallel to Aqueduct avenue and distant easterly 200 feet from the easterly side thereof to the northerly boundary of the area of assessment, and on the west by the middle line of the blocks between Undercliff avenue and Aqueduct avenue, and Sedgwick avenue and Lind avenue, from Washington Bridge to the southerly boundary of the area of assessment, as such streets are shown upon the Final Maps of the Twenty-third and Twenty-fourth Wards of the City and County of New York; excepting from said area all streets, avenues and roads or portions thereof, heretofore legally opened, as such area is shown upon our benefit map deposited as aforesaid.

thereof, heretofore legally opened, as such area is shown upon our benefit map deposited as aforesaid.

Fourth—That our report herein will be presented to a Special Term of the Supreme Court, Part III., of the State of New York, to be held in and for the City and County of New York, at the County Court-house, in the City of New York, on the 4th day of October, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, July 26, 1897.  
LOUIS B. VAN GAASBEEK, Chairman; GEORGE G. BANZER, FLOYD M. LORD, Commissioners.  
JOHN P. DUNN, Clerk.

In the matter of the application 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 the lands, tenements and hereditaments required for the purpose of opening DEPOT PLACE (although not yet named by proper authority), from Sedgwick avenue to the bulkhead line of the Harlem river as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-third Ward of the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, to us at our office, Nos. 90 and 92 West Broadway, ninth floor, in said city, on or before the 18th day of September, 1897, and that we, the said Commissioners, will hear parties so objecting within the ten week-days next after the said 18th day of September, 1897, and for that purpose will be in attendance at our said office on each of said ten days at 1 o'clock P.M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents, used by us in making our report, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, Nos. 90 and 92 West Broadway, in the said city, there to remain until the 20th day of September, 1897.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: On the north by the southerly side of Commerce avenue and said southerly side produced, from the United States Channel Line of the Harlem river to a line drawn parallel to Lind avenue, and distant 100 feet easterly from the easterly side thereof; on the south by a line drawn parallel to Wolf street or East One Hundred and Sixty-seventh street and distant 100 feet southerly from the southerly side thereof, from the southerly side thereof, from the United States Channel Line of the Harlem river to the intersection of the prolongation westerly of a line drawn parallel to Birch street or East One Hundred and Sixty-eighth street and distant 100 feet southerly from the southerly side thereof; thence by a line drawn parallel to Birch street or East One Hundred and Sixty-eighth street and distant 100 feet southerly from the southerly side thereof to a line drawn parallel to Lind avenue and distant 100 feet easterly from the easterly side thereof; on the east by a line drawn parallel to Lind avenue and distant 100 feet easterly from the easterly side thereof, and on the west by the United States Channel Line of the Harlem river; excepting from said area all streets, avenues and roads, or portions thereof heretofore legally opened, as such area is shown upon our benefit maps deposited as aforesaid.

Fourth—That our report herein will be presented to a Special Term of the Supreme Court, Part III., of the State of New York, to be held in and for the City and County of New York, at the County Court-house, in the City of New York, on the 18th day of October, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, August 2, 1897.  
WM. W. THOMPSON, Chairman; JOHN LERCH, JOHN FENNEL, Commissioners.  
JOHN P. DUNN, Clerk.

In the matter of the application 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 the lands, tenements and hereditaments required for the purpose of opening KATONAH AVENUE (although not yet named by proper authority), from Eastchester avenue to Mount Vernon avenue, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, to us at our office, Nos. 90 and 92 West Broadway, ninth floor, in said city, on or before the 24th day of September, 1897, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 20th day of September, 1897, and for that purpose will be in attendance at our said office on each of said ten days at 10 o'clock A.M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, Nos. 90 and 92 West Broadway, in the said city, there to remain until the 21st day of September, 1897.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: On the north by a line drawn parallel to Mount Vernon avenue and distant 100 feet northwesterly from the northwesterly side thereof and by the northern boundary line of the City of New York; on the south by a line drawn parallel to East Two Hundred and Thirty-third street or Eastchester street, and distant 100 feet southerly from the southerly side thereof; on the east by the middle line of the blocks between Katonah avenue and Martha avenue, from the northern boundary line of the City of New York to the middle line of the blocks between East Two Hundred and Thirty-sixth street or Opdyke avenue and East Two Hundred and Thirty-fifth street or Willard avenue; thence by the middle line of the blocks between Katonah avenue and Verio avenue to the southern boundary of the area of assessment, and on the west by the middle line of the blocks between Katonah avenue and Kepler avenue and said middle line produced from the northern boundary of the area of assessment to the southern boundary of the area of assessment, excepting from said area all streets, avenues and roads, or portions thereof, heretofore legally opened, as such area is shown upon our benefit map deposited as aforesaid.

Fourth—That our report herein will be presented to a Special Term of the Supreme Court, Part III., of the State of New York, to be held in and for the City and County of New York, at the County Court-house, in the City of New York, on the 18th day of October, 1897, at the opening of the court on that day, and that then and there, or as soon thereafter as counsel can be heard

thereon, a motion will be made that the said report be confirmed.

Dated New York, August 13, 1897.  
JOHN LERCH, JOHN W. D. DOBLER, Commissioners.  
HENRY DE FOREST BALDWIN, Clerk.

In the matter of the application 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 the lands, tenements and hereditaments required for the purpose of opening FOX STREET (formerly Simpson street), (although not yet named by proper authority), from Westchester avenue to Freeman street, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-third Ward of the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, to us at our office, Nos. 90 and 92 West Broadway, ninth floor, in said city, on or before the 20th day of September, 1897, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 20th day of September, 1897, and for that purpose will be in attendance at our said office on each of said ten days at 2:30 o'clock P.M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited in the Bureau of Street Openings in the Law Department of the City of New York, Nos. 90 and 92 West Broadway in the said city, there to remain until the 21st day of September, 1897.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: On the north by a line drawn parallel to Freeman street and distant 100 feet northerly from the northerly side thereof; on the south by Westchester avenue and East One Hundred and Sixty-fifth street; on the east by a line drawn parallel to the Southern Boulevard and distant 100 feet easterly from the easterly side thereof, from the northerly boundary of the area of assessment to a line drawn parallel to Home street and distant 100 feet southerly from the southerly side thereof; thence by a line drawn parallel to Fox street (formerly Simpson street) and distant 100 feet easterly from the easterly side thereof; on the west by a line drawn parallel to Intervale avenue and distant 100 feet westerly from the westerly side thereof; from the northerly boundary of the area of assessment to a line drawn parallel to Chisholm street and distant 100 feet southerly from the southerly side thereof; thence by said line drawn parallel to Chisholm street and distant 100 feet southerly from the southerly side thereof and said line produced to a line drawn parallel to Barretto street and distant 100 feet westerly from the westerly side thereof; thence by a line drawn parallel to Barretto street and distant 100 feet westerly from the westerly side thereof to a line drawn parallel to Home street and distant 100 feet southerly from the southerly side thereof; and thence by a line drawn parallel to Fox street (formerly Simpson street) and distant 100 feet westerly from the westerly side thereof to the southerly boundary of the area of assessment, as such streets are shown upon the Final Maps of the Twenty-third and Twenty-fourth Wards of the City and County of New York; excepting from said area all streets, avenues and roads, or portions thereof heretofore legally opened, as such area is shown upon our benefit maps deposited as aforesaid.

Fourth—That our report herein will be presented to a Special Term of the Supreme Court, Part III., of the State of New York, to be held in and for the City and County of New York, at the County Court-house in the City of New York, on the 18th day of October, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, August 2, 1897.  
J. N. H. SPELLMAN, J. GEO. FLAMMER, Commissioners.  
JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Education, by the Counsel to the Corporation of the City of New York, relative to acquiring title by The Mayor, Aldermen and Commonality of the City of New York to certain lands on the NORTHERLY SIDE OF NINETY-NINTH STREET AND THE SOUTHERLY SIDE OF ONE HUNDREDTH STREET, between Second and Third avenues, in the Twelfth Ward of said city, duly selected and approved by said Board as a site for school purposes, under and in pursuance of the provisions of chapter 191 of the Laws of 1888, and the various statutes amendatory thereof.

PURSUANT TO THE PROVISIONS OF CHAPTER 191 of the Laws of 1888, and the various statutes amendatory thereof, 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 Part I. thereof, at the County Court-house, in the City of New York, on the 24th day of August, 1897, 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 in the above-entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title by The Mayor, Aldermen and Commonality of the City of New York to certain lands and premises, with the buildings thereon and the appurtenances thereunto belonging on the northerly side of Ninety-ninth street and the southerly side of One Hundredth street, between Second and Third avenues, in the Twelfth Ward of said city, in fee simple absolute, the same to be converted, appropriated and used to and for the purposes specified in said chapter 191 of the Laws of 1888, and the various statutes amendatory thereof, said property having been duly selected and approved by the Board of Education as a site for school purposes, under and in pursuance of the provisions of said chapter 191 of the Laws of 1888, and the various statutes amendatory thereof, being the following described lots, pieces or parcels of land, namely:

All those certain lots, pieces or parcels of land situate, lying and being in the Twelfth Ward of the City of New York, bounded and described as follows:

Beginning at a point in the northerly line of Ninety-ninth street distant 255 feet westerly from the corner formed by the intersection of the westerly line of Second avenue with the northerly line of Ninety-ninth street; running thence westerly along said northerly line of Ninety-ninth street 150 feet; thence northerly parallel with Second avenue 201 feet and 10 inches to the southerly line of One Hundredth street; thence easterly along said southerly line of One Hundredth street 150 feet; thence southerly parallel with Second avenue 201 feet and 10 inches to the point or place of beginning.

Dated New York, July 30, 1897.  
FRANCIS M. SCOTT, Counsel to the Corporation,  
No. 2 Tryon Row, New York City.

#### THE CITY RECORD.

THE CITY RECORD IS PUBLISHED DAILY, Sundays and legal holidays excepted, at No. 2 City Hall, New York City. Annual subscription, \$9.30, postage prepaid. JOHN A. SLEICHER, Supervisor.