

THE CITY OF NEW YORK
DEPARTMENT OF PARKS

ANNUAL REPORT

1912



THE MAINE MONUMENT

ERECTED TO THE SEAMEN WHO PERISHED IN THE MAINE, 1898.
Funds for the erection of this monument supplied by the school children of the U. S.

MAINE NATIONAL MONUMENT

H. Van Buren Magonigle, Architect.

SIZE

*Total width over all, including Park Entrances, 280 feet.
Width of each Side Entrance over all, 68 feet.
Each of four Gate Houses 9 feet square by 12 feet 6 inches high.*

MONUMENT PROPER

*Height exclusive of top group, 44 feet.
Total height from ground to top of laurel branch in the hand of the
figure of Columbia in top group, 63 feet.
Width of face of pylon at bottom, 17 feet 9 inches.
Width of face of pylon at top, 15 feet.
Width of side of pylon at bottom, 15 feet 6 inches.
Width of side of pylon at top, 13 feet.
Base of pylon over all—face, 21 feet 6 inches, side, 19 feet.
Total length in plan over all steps, etc., 74 feet.
Total width in plan over all steps, etc., 55 feet.*

COST

One Hundred and Sixty-five thousand Dollars (\$165,000).

COMPLETION

Corner-stone laid February 15, 1912: completed September 1, 1912.

DEDICATION

May 30, 1913.

TABLET

On the two sides of the shaft or pylon are two panels each 7 feet 4 inches by 26 feet 3 inches, in which the names of all who lost their lives in the catastrophe are carved. These names are taken from Rear Admiral (then Captain) Charles D. Sigsbee's personal narrative of the "Maine" disaster.

DEPARTMENT OF PARKS

BOROUGH OF MANHATTAN
AND RICHMOND



ANNUAL REPORT FOR THE YEAR 1912



CHARLES B. STOVER,	Commissioner
LOUIS F. LAROCHE,	Examiner
JOHN H. BEATTY,	Superintendent
EDWARD A. MILLER,	Chief Engineer
JAROSLAV A. KRAUS,	Architect
WILLIAM J. LEE,	Supervisor of Recreation
MRS. HENRY PARSONS,	Director, Children's School Farms

J. J. LITTLE & IVES CO.
425-435 East 24th Street, New York



DEPARTMENT OF PARKS

City of New York

PARK BOARD, 1912

CHARLES B. STOVER, President

Commissioner for the Boroughs of Manhattan and Richmond

THOMAS J. HIGGINS

Commissioner for the Borough of the Bronx

MICHAEL J. KENNEDY

Commissioner for the Borough of Brooklyn

WALTER G. ELIOT

Commissioner for the Borough of Queens

CLINTON H. SMITH, Secretary

CHARLES DOWNING LAY, Landscape Architect

BOROUGHS OF MANHATTAN AND RICHMOND

The administration of the Park Department in the Boroughs of Manhattan and Richmond was carried on during the year ending December 31, 1912, along the lines followed in 1910 and 1911. Additional space in the parks was set aside for recreation purposes for both children and adults, and the playgrounds already established were added by the opening of several grounds which had been under improvement. These improved grounds contain field houses, with baths and toilets, and playrooms for use in bad weather, and are models of their kind.

The landscape features of the parks proper were not neglected. Poor lawns and plantations in all the parks were renewed, especially in Central Park, where the great work of restoration in progress during the previous two years was continued.

Progress was made toward the solution of the roadway question in Central Park and Riverside Park, by the laying of a modern up-to-date pavement on the West Drive, Central Park, for which a special fund was granted by the Board of Estimate. This pavement was determined upon as the result of the observation of the four experimental sections laid the previous fall in Central Park.

The reclaiming of the water front of Riverside Park continued throughout the year. Thousands of yards of filling were deposited at the three points along the shore, 79th street, 96th street and 129th street, where free dumps were established for contractors and builders under department permits. A considerable area was added at these three points as the result of the filling. At both 79th street and 96th street sufficient space was added to allow baseball playing, giving pleasure and healthful exercise to added thousands of boys and young men who used the diamonds laid out there by the department.

The larger appropriation granted for music in the annual budget for 1912 permitted a return to the generous policy regarding the number and class of concerts given. In Central Park during the summer season the orchestral concerts by well-known leaders were continued and the number increased. The evening concerts were resumed, concerts being given every night in the week except Sunday and Monday, in addition to the regular afternoon concerts on Saturday and Sunday.

Orchestral concerts were given also at Curtis High School field in Staten Island and the number of concerts in the Borough of Richmond was greatly increased.

In general, greater use was made of the parks and playgrounds during the year 1912 than ever before. The details of the work accomplished during the year are found in the accompanying reports of the officials in charge of the various divisions of the department.

ZOOLOGICAL DEPARTMENT.

Accessions to the collection at the menagerie, Central Park, during 1912 numbered 332, divided as follows:

Donations.....	159
Purchases.....	159
Exchanges.....	3
Births.....	11
Total.....	332 332

Losses during the year were as follows:

Deaths.....	115
Exchanges.....	5
Sold at auction.....	10
Total.....	130 130
Net increase.....	202

The department flock of Dorset horned sheep was increased by the birth of twenty-one ram lambs and thirty ewe lambs. At the annual auction sale of surplus stock all the ram lambs were sold, together with thirty old ewes and two rams. There were also included in this sale seven fallow deer and three English red deer, and eight hundred and thirteen pounds of wool. The receipts of the sale amounted to the sum of six hundred thirty-two dollars eighteen cents, which was placed to the credit of the special fund for the purchase of animals, etc., for the menagerie.

Following is the list of donations, purchases, etc.:

DONATIONS

3 Owls
14 Pigeons
2 Opossums
2 Marmosets
1 Guinea pig
13 Rabbits
3 Alligators
75 Song birds
4 Parakeets
5 Parrots
8 Song birds
1 Red fox
1 Cockatoo
3 Canaries
2 Doves
1 Wolf
1 Black bear
1 Ocelot
1 Quail
2 Silver pheasants
1 Rose cockatoo
15 Ducks
1 Angora goat
1 Crow
1 Fox
1 Skunk

159 Total

PURCHASES

12 Mexican tropicals
6 Cockatoos
6 Golden eagles
10 Mexican parrots
1 Bald eagle
12 Parakeets
12 Blackbirds
6 Rose parakeets
2 Guinea hens
24 German canaries
6 Mexican jays
6 Mexican orioles
4 Toucans

1 Phalanger
5 Magpies
24 Cutthroat finches
12 Rhesus monkeys
2 Mandrills
2 Lemurs
1 Green monkey
1 Olive baboon
3 Pigtail monkeys
1 Dorset horned ram

159 Total

BIRTHS

1 Axis deer
1 Llama
3 Lions
3 English red deer
2 Fallow deer
1 Elk

11 Total

SOLD AT PUBLIC AUCTION

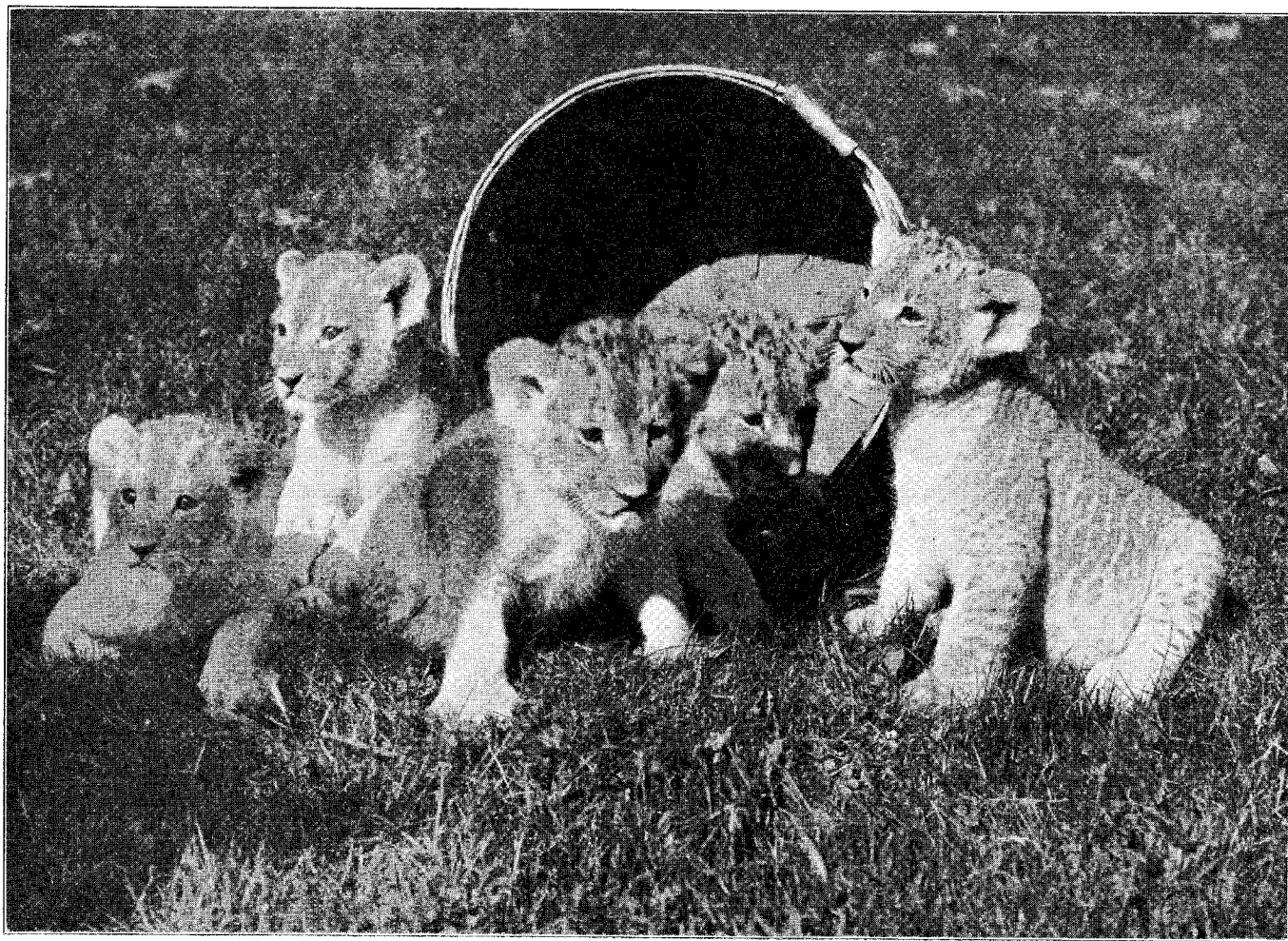
7 Fallow deer
3 English red deer
30 Horned Dorset ewes
21 Horned Dorset ram lambs
2 Horned Dorset rams
813 Pounds of wool

EXCHANGES

2 Angora goats
1 Zebra cow for wool
2 Lions and 275 dollars for one zebra

DEATHS

7 Eagles
2 Gray foxes
16 Parrots
1 Gull



BASKETFUL OF LION CUBS. (BORN IN CENTRAL PARK.)

1 Hyena	1 Mouflon
2 Leopards	1 Tigress
1 Condor	2 Opossums
4 Swans	2 Toucans
3 Snakes	1 Red deer
1 Raccoon	2 Storks
8 Small birds	1 Brazilian sheep
1 Red fox	1 Ocelot
3 Parakeets	1 Nylghau
1 Black bear	2 Owls
3 Pheasants	1 Angora goat
1 Axis deer	1 Eland
1 Marmoset	40 Monkeys
1 Gander	
1 Cockatoo	115 Total
1 Lion	

The collection of monkeys on exhibition was made more interesting to the public by the character of the specimens purchased. These included mandrills, lemurs, and pigtail monkeys, no specimens of which had been in the menagerie for a great many years. The bird collection was greatly increased, over one hundred specimens being received from donations above. Of this number, seventy-five were received from one donor. The specimens added during the year were mainly birds of brilliant plumage, many of them of odd shapes, making a highly interesting collection; probably the best ever on exhibition in the menagerie.

Plans were made for the improvement of the buildings and enclosures in which the collection is housed, and the work started by the reconstruction of a concrete alligator tank of artistic design to replace the old wooden tank formerly in use.

FINANCIAL STATEMENT.

CORPORATE STOCK ACCOUNTS, DECEMBER 31, 1912.

Title of Account.	Authoriza- tions and Additions during Year.	Expendi- tures and Liabilities.	Unen- cumbered Balance.
AMERICAN MUSEUM OF NATURAL HISTORY.			
Equipping, finishing and construction of additions thereto.....	\$511,092.00	\$510,793.61	\$118.39
Furnishing and equipping.....	101,027.86	100,393.75	634.11
Construction of foundations for southeast wing and Court Building, and architects' fees for entire work.....	200,000.00	88,191.23	111,808.77
Equipment and construction of permanent improvements.....	65,000.00	54,566.35	10,433.65
Aquarium Building in Battery Park, improvement of, Borough of Manhattan.....	71,856.26	71,511.76	344.50
Cathedral Parkway, between 5th and 7th avenues, Borough of Manhattan, widening and improvement of.....	73,730.56	63,912.42	9,818.14

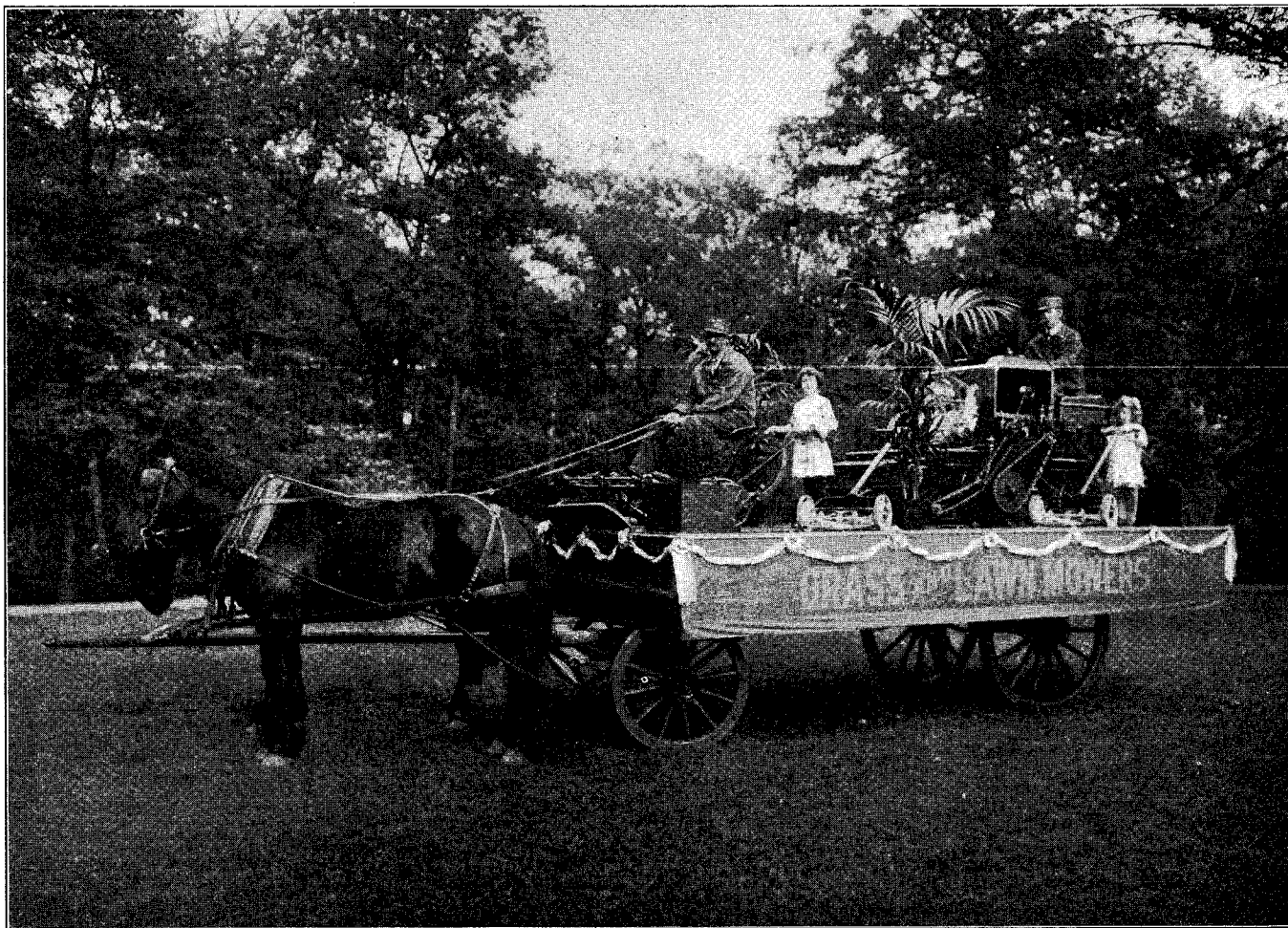
Title of Account.	Authoriza- tions and Additions during Year.	Expendi- tures and Liabilities.	Unen- cumbered Balance.
Construction and equipment of playgrounds in Central Park.....	\$1,009.11	\$950.00	\$59.11
Completion of storage yard and manure pit in Central Park.....	30,015.48	29,720.44	295.04
Construction of a comfort station in Madison Square Park, Borough of Manhattan.....	1,000.00	908.31	91.69
Construction of improved toilet facilities in City parks and rebuilding Bank Rock Bridge in Central Park, Borough of Manhattan....	44,588.66	42,348.42	2,240.24
Department of Parks, Manhattan and Rich- mond, plans and specifications of permanent improvements.....	5,000.00	4,998.33	1.67
Department of Parks, Manhattan and Rich- mond, Chelsea Park, sub title No. 1, surveys, plans, etc.....	98,059.17	92,125.50	5,933.67
Department of Parks, Manhattan and Rich- mond, construction of a new comfort sta- tion.....	25,136.13	25,132.04	4.09
Department of Parks, Manhattan and Rich- mond, erection and equipment of a comfort station in Cooper Square.....	25,000.00	22,564.51	2,435.49
Department of Parks, Boroughs of Manhattan and Richmond, Completion of John Jay Park.....	30,000.00	30,000.00	.....
Erection and completion of a new comfort sta- tion on Riverside Drive.....	45,197.22	44,917.68	279.54
Erection of music pavilion and comfort sta- tion in Central Park.....	40,000.00	108.40	39,891.60
Erection of the Carl Schurz Memorial at 116th street and Morningside Park.....	25,000.00	22,793.00	2,207.00
Erection of refreshment pavilion in Central Park.....	10,000.00	.....	10,000.00
Improvement and construction of parks, park- ways, playgrounds, boulevards and drive- ways, Boroughs of Manhattan and Rich- mond.....	1,062,787.99	1,062,722.50	65.49
Improvement and construction of parks, park- ways, playgrounds, boulevards and drive- ways, Boroughs of Manhattan and Rich- mond—Concreting bottom and sides Cen- tral Park lakes and filling in where depth is too great.....	35,268.93	29,337.30	5,931.63
Construction and improvement of St. Nicholas Park, between 130th and 135th streets.....	102,422.30	102,393.95	28.35
Construction of additional greenhouses in Central Park, for use in propagation of plants, shrubs, etc.....	25,527.19	24,971.12	556.07



BRONX PARK'S EXHIBIT, CIVIC DAY PARADE.

Title of Account.	Authoriza- tions and Additions during Year.	Expendi- tures and Liabilities.	Unen- cumbered Balance.
Construction of Colonial Park.....	\$97,138.51	\$95,923.40	\$1,215.11
Construction of new concrete and asphalt gut- ters on the driveways and bridle roads of Central Park and Riverside Drive.....	46,130.87	41,255.88	4,874.99
Construction of repair yards, storage sheds, manure pits and refuse incinerating plant in the North Meadow, Central Park.....	25,482.96	25,431.85	51.11
Improvement and construction of parks, park- ways, playgrounds, boulevards and drive- ways, Boroughs of Manhattan and Rich- mond.—Construction of the northerly por- tion of John Jay Park lying north of East 77th street, and the further improvement of the southerly section of said park, lying be- low East 77th street.....	75,662.06	75,662.06	.....
Extension of high pressure water supply and irrigation system in Central Park.....	207,694.47	205,157.85	2,536.62
Improving the drainage system of Central Park on the west side between 90th and 95th streets, and on the drives and lands ad- jacent thereto and Central Park generally..	20,412.70	20,277.62	135.08
Installation of an improved water supply for the Harlem River Driveway.....	24,326.18	23,833.46	492.72
Sub title No. 1, construction of bays, entrances and comfort stations, in St. Nicholas Park..	2,527.22	2,274.85	252.37
Sub title No. 2, completion of the work of in- stalling a water supply for the Harlem River Driveway.....	21,720.10	21,708.32	11.78
Sub title No. 3, regrading and installing new drainage and water supply on Riverside Park Loop Drive.....	15,520.63	12,453.17	3,067.46
Sub title No. 4, construction of drainage sys- tem for City Hall Park.....	5,105.15	.....	5,105.15
Sub title No. 5, construction and equipment of a comfort station in the Ramble near 77th street transverse road, Central Park.....	27,977.77	27,684.76	293.01
Sub title No. 6, completion of the improvement and construction of Colonial Park.....	101,314.50	101,313.44	1.06
Improvement of Central Park.—Alteration of comfort station near ball ground.....	15,000.00	13,186.65	1,813.35
Construction of sewer from Terrace Bridge to sewer near boathouse.....	3,500.00	3,493.85	6.15
Paving of drives with bituminous pavement..	100,000.00	97,426.49	2,573.51
Installation of water supply system in comfort station.....	3,000.00	2,420.12	579.88
Improvement of plots on Broadway from 110th street to 122d street.....	50,296.99	44,432.84	5,864.15

Title of Account.	Authoriza- tions and Additions during Year.	Expendi- tures and Liabilities.	Unen- cumbered Balance.
Improvement of street in westerly side of John Jay Park, between 76th and 78th streets.....	\$8,500.00	\$8,365.71	\$134.29
Improvement of parks, parkways and drives, improvement of transverse road at 65th street, Central Park.....	25,000.00	429.92	24,570.08
Improvement of parks, parkways and drives, improvement of transverse road at 96th street, Central Park.....	25,000.00	14.92	24,985.08
Improvement of playgrounds throughout the City.....	250,451.77	161,466.26	88,985.51
Erection and equipment of playhouses and toilet facilities in playgrounds throughout the City.....	50,000.00	4,065.20	45,934.80
METROPOLITAN MUSEUM OF ART.			
Completion and equipment of Extension "H".	224,000.00	127,551.71	96,448.29
In Central Park, construction of an extension.	1,011,488.45	992,493.36	18,995.09
In Central Park, constructing and completing extensions.....	957,668.41	957,440.80	227.61
Boiler plant.....	315,000.00	273,865.44	41,134.56
Fitting up, equipping and furnishing and al- terations and additions thereto.....	75,280.75	56,937.17	18,343.58
Purchase of museum cases.....	15,000.00	8,443.03	6,556.97
Mount Morris Park, construction of pipe-rail fences around grass plots.....	13,145.55	11,558.41	1,587.14
DEPARTMENT OF PARKS.			
Construction and repairing of drives, etc., under contract, Manhattan and Richmond	155,961.40	149,073.45	6,887.95
Manhattan and Richmond, Broadway Park- ways, 59th to Manhattan streets, construct- ing iron fences.....	54,235.84	53,955.69	280.15
Manhattan and Richmond, De Witt Clinton Park, alterations and improvements to per- gola building.....	18,000.00	17,154.04	845.96
Manhattan and Richmond, reconstruction of bulkheads, easterly wall of the Speedway, between 155th street and Dyckman street..	116,063.47	98,452.75	17,610.72
Riverside Park and Drive, erection of Fire- men's Memorial.....	40,000.00	40,000.00	.....
Riverside Park, preparation of plans for im- provement of land lying west of railroad tracks.....	2,501.74	2,111.32	390.42
Riverside Park, completion of addition be- tween 122d street and Claremont place....	10,000.00	616.53	9,383.47
Rebuilding the Bow Bridge in Central Park..	25,004.10	377.14	24,626.96
Repaving 79th street transverse road across Central Park.....	25,004.55	106.70	24,897.85



BRONX PARK'S EXHIBIT, CIVIC DAY PARADE.

Title of Account.	Authoriza- tions and Additions during Year.	Expendi- tures and Liabilities.	Unen- cumbered Balance.
Seventh Avenue Parkway, general improve- ment from Central Park to the Harlem River.....	\$75,000.00	\$69,504.10	\$5,495.90
New Aquarium Building in Battery Park, construction of foundations and walls of wings.....	200,000.00	533.88	199,466.12
New York Public Library Fund.....	9,628,255.94	9,521,436.30	106,819.64
New York Public Library Fund, installation of electric generating plant.....	102,773.09	79,428.20	23,344.89
SPECIAL AND TRUST FUNDS.			
Zoological Garden fund.....	6,719.37	5,811.92	907.45
Angelina Crane Bequest.....	60,000.00	60,000.00	.....

REVENUE BOND ACCOUNTS.

Title of Account.	Authoriza- tion.	Expendi- tures and Liabilities.	Unen- cumbered Balance.
Construction of pipe rail fences around parks in Washington, Madison and Union Squares.	\$13,518.40	\$11,451.50	\$2,066.90
Repairs to American Museum of Natural History.....	10,000.00	9,992.50	7.50
Gymnasium and playground attendants, November and December, 1912.....	5,000.00	4,797.57	202.43
Erection of milk stations in public parks....	7,642.51	7,501.51	141.00
Regenerating lawns in Central Park.....	90,000.00	89,998.79	1.21
Repairs and alterations to New York Public Library, 1912.....	23,610.00	20,032.82	3,577.18
Alterations by contract to comfort station in Chelsea Park.....	3,500.00	2,517.00	983.00
Purchase of horses, 1912.....	2,100.00	1,970.00	130.00

BUDGET APPROPRIATION ACCOUNTS.
1912.

Title of Account.	Amount of Appro- priation as Amended.	Expendi- tures and Liabilities.	Unen- cumbered Balance.
Park Board—			
Salaries, regular employees.....	\$31,300.00	\$31,300.00	.....
Supplies and materials.....	200.00	162.43	\$37.57
Contingencies.....	50.00	50.00	.....
Purchase of furniture and fittings.....	100.00	99.90	.10
Department of Parks, Manhattan and Rich- mond, executive salaries, regular employees.	51,580.00	9,060.79	2,519.21

Title of Account.	Amount of Approp- iation as Amended.	Expendi- tures and Liabilities.	Unen- cumbered Balance.
Engineering, salaries, regular employees, Tax Levy and Corporate Stock Fund (Tax Levy Part Allowance)	\$9,080.00	\$9,080.00	.....
Salaries, temporary employees	2,495.00	1,737.64	\$757.36
Maintenance, Parks and Boulevards—			
Salaries, regular employees	103,050.00	99,948.34	3,101.66
Wages, regular employees	125,810.30	120,302.03	5,508.27
Wages, temporary employees	336,983.50	332,786.86	4,196.64
Maintenance, Trees in City Streets—			
Salaries, regular employees	3,450.00	3,450.00	.....
Salaries, temporary employees	1,575.00	494.85	1,080.15
Wages, temporary employees	9,926.00	8,822.04	1,103.96
Maintenance, Playgrounds—			
Salaries, regular employees	3,000.00	3,000.00	.....
Wages, temporary employees	49,000.00	48,862.63	137.37
Maintenance Bath Houses and Comfort Sta- tions—			
Salaries, regular employees	33,900.00	33,475.63	424.37
Wages, regular employees	2,379.00	2,349.50	29.50
Wages, temporary employees	37,850.00	37,833.61	16.39
Maintenance, Zoological Department—			
Salaries, regular employees	15,075.00	13,685.80	1,389.20
Maintenance, Children's School Farms—			
Salaries, regular employees	5,650.00	3,525.41	2,124.59
Wages, temporary employees	11,430.00	9,011.91	2,418.09
Supplies and Materials—			
Administration	1,200.00	1,192.80	7.20
Maintenance, Parks and Boulevards—	101,500.00	99,494.66	5.34
Playgrounds	2,600.00	2,577.40	22.60
Children's School Farms	600.00	599.74	.26
Repairs and replacements by contract or open order, parks and boulevards	32,000.00	31,992.94	7.06
Housing, storage and repairs of apparatus, machines, harness and vehicles, except automobiles, parks and boulevards	3,000.00	2,972.95	27.05
Maintenance, repairs and storage of automo- biles—			
Administration	800.00	799.44	.56
Maintenance, parks and boulevards	400.00	399.33	.67
Vehicular transportation, horses and vehicles with drivers, parks and boulevards	4,998.00	4,997.37	.63
Shoeing and boarding horses, including vet- erinary service, parks and boulevards	2,500.00	2,466.79	33.21
Fuel, parks and boulevards	13,500.00	13,671.52	171.52
Forage, parks and boulevards	25,500.00	25,437.95	62.05
Zoological Department	12,500.00	7,200.72	299.28
Special contract obligations	40,000.00	39,777.75	222.25
Telephone service	3,000.00	2,295.69	704.31

Title of Account.	Amount of Approp- riation as Amended	Expendi- tures and Liabilities.	Unen- cumbered Balance.
Contingencies—			
Administration	\$1,000.00	\$1,000.00	.....
Children's School Farms.....	200.00	193.44	\$6.44
Playgrounds.....	900.00	899.30	.70
Parks and Boulevards.....	5,000.00	4,812.24	187.76
Purchase and original equipment of apparatus, machines, harness and vehicles, except auto- mobiles—Parks and Boulevards.....	6,000.00	5,978.77	21.23
Purchase of Furniture and Fittings—			
Administration	1,000.00	999.43	.57
Children's School Farms.....	200.00	198.40	1.60
Jumel Mansion.—Administration and Main- tenance—			
Salaries, regular employees.....	1,800.00	1,800.00	.....
Wages, regular employees.....	1,830.00	1,679.37	150.63
Wages, temporary employees.....	220.00	220.00	.....
Supplies and materials.....	50.00	38.43	11.57
Repairs and replacements by contract or open order.....	1,100.00	1,096.00	4.00
Fuel.....	250.00	249.50	.50
Contingencies	250.00	202.65	4,375.00
Purchase of furniture and fittings.....	250.00	149.70	.30
Grant's Tomb—			
Administration and maintenance.....	7,000.00	.....	7,000.00
New York Public Library Building—			
Supplies and materials.....	4,000.00	4,000.00	.....
Repairs and replacements by contract or open order.....	6,000.00	6,000.00	.....
Metropolitan Museum of Art—			
Salaries, regular employees, Tax Levy and Private Fund Force (Tax Levy Part Al- lowance).....	161,097.75	161,097.75	.....
Supplies and materials.....	14,142.25	14,142.25	.....
Fuel.....	10,400.00	10,400.00	.....
Telephone service.....	600.00	600.00	.....
Contingencies.....	11,910.00	11,910.00	.....
Purchase furniture and fittings.....	1,850.00	1,850.00	.....
New York Aquarium—			
Salaries, regular employees.....	33,534.64	30,777.09	2,757.55
Wages, temporary employees.....	425.50	413.50	12.00
Supplies and materials.....	6,180.20	4,266.23	1,913.97
Repairs and replacements by contract or open order.....	1,290.00	831.26	458.74
Fuel.....	4,550.00	3,814.89	735.11
Special contract obligations.....	1,500.00	1,418.36	81.64
Telephone service.....	175.00	145.11	29.89
Contingencies.....	812.66	491.53	321.13
Purchase of furniture and fittings.....	32.00	.....	32.00

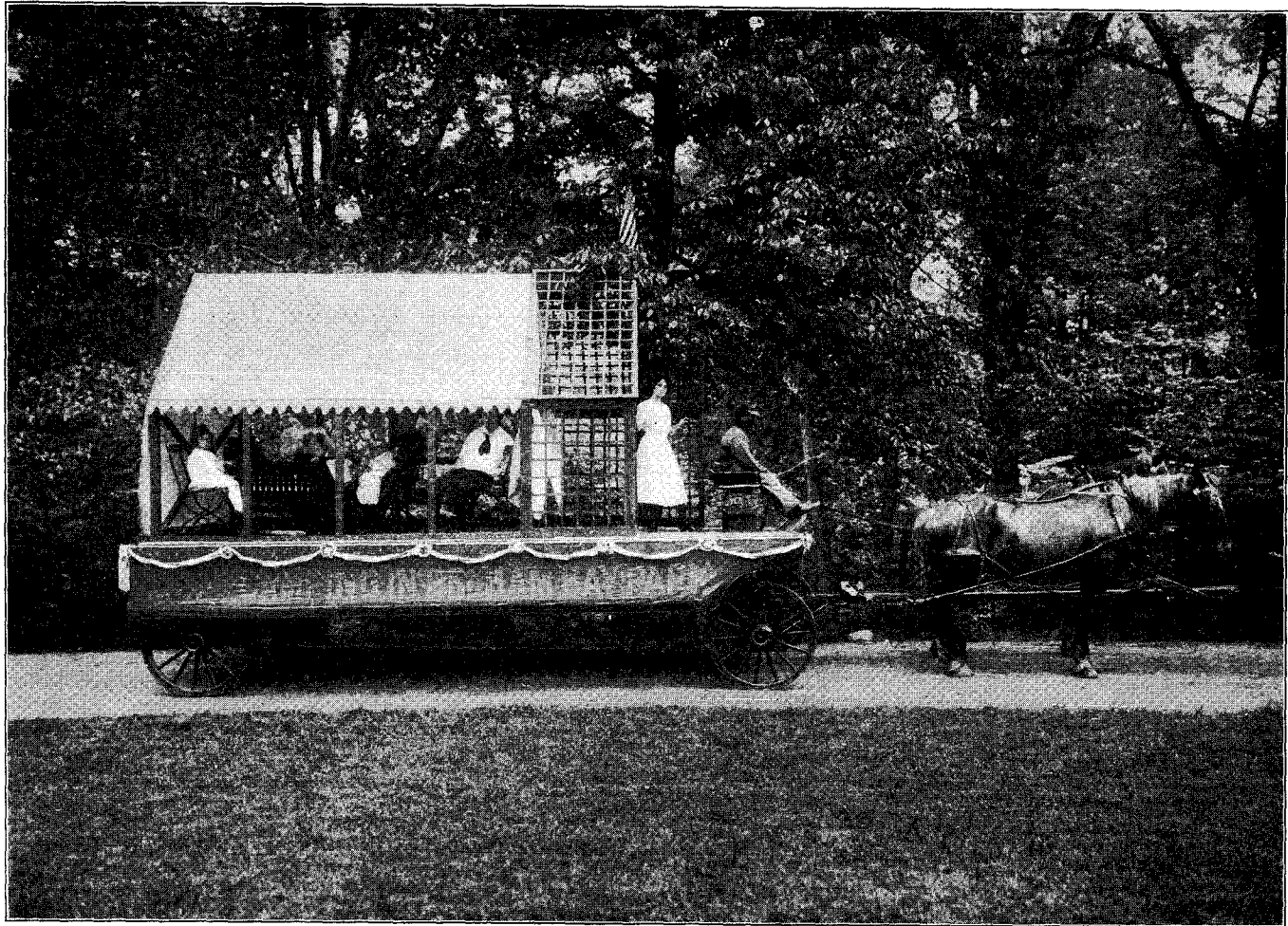
Title of Account.	Amount of Approp- riation as Amended	Expendi- tures and Liabilities.	Unen- cumbered Balance.
American Museum of Natural History—			
Salaries, regular employees, Tax Levy and Private Fund Force (Tax Levy Part Al- lowance).....	\$170,023.00	\$155,586.47	\$14,436.53
Supplies and materials.....	12,919.00	12,919.00	.....
Repairs and replacements by contract or open order.....	500.00	439.26	60.74
Maintenance, repairs and storage of auto- mobiles.....	450.00	149.99	300.01
Fuel.....	8,500.00	7,545.66	954.34
Contingencies.....	1,458.00	1,458.00	.....
Purchase of furniture and fittings.....	1,150.00	995.13	154.87

REVENUES, 1912.

License fees for sale of refreshments, etc., in the parks.....	\$21,020.24
Rent of buildings.....	3,644.99
Permits for erecting projections over the building line, upon buildings located within the jurisdiction of the Department.....	271.00
Permits to build vaults under sidewalks.....	1,952.00
Sale of animals.....	633.10
Sale of condemned material.....	795.15
Removal of encumbrances.....	33.33
Interest on bank deposits.....	155.11
	<hr/>
	\$28,504.92

STATEMENT OF ACCOUNT OF DEPOSITS.

January 1, 1912, cash on hand.....	\$5,020.82	
Deposits received.....	6,675.58	
Interest on bank deposits.....	155.11	
	<hr/>	\$11,851.51
Refunded during 1912.....	\$7,992.08	
To City Treasury.....	155.11	
	<hr/>	8,147.19
December 31, 1912, balance cash on hand.....		<hr/>
		\$3,704.32



BRONX PARK'S EXHIBIT, CIVIC DAY PARADE.

THE CITY OF NEW YORK
DEPARTMENT OF PARKS

REPORT OF THE BUREAU OF CHILDREN'S SCHOOL FARMS FOR 1912

BOROUGHES OF MANHATTAN AND RICHMOND

LOCATION.—Thomas Jefferson Park, 111th to 114th streets and East River. DeWitt Clinton Park, 52d-54th streets and 11th and 12th avenues.

MAINTENANCE.

Appropriation was made in lump sum of \$18,520.26 for maintenance of Thomas Jefferson and DeWitt Clinton Park Children's School Farms, and the starting of a new school farm.

APPOINTMENTS.

The first competitive examinations, under Municipal Civil Service, for the Bureau of Children's School Farms, were held on February 2, 8, and 14 for School Farm Attendants, Head Attendants and Assistant Director. The eligible lists were available April 9 and 19, 1912, and all appointments, after these dates, were made from these lists.

MEMBERSHIP RULES.

The rules of the Children's School Farms are honesty, truthfulness, justice, and courtesy.

If you lose your tag, you lose your plot.

No second tag given.

No one to be admitted without a tag.

SEASONS.

The season is divided into two sessions: First planting in May; harvested July 13. Second planting before August 1; harvested October 15.

MANAGEMENT AND METHODS.

SPADING.

The systematic method of spading, which has been in practice for several years, has made it possible for the children to do more and more thorough work in preparing the ground. Outside of some assistance by the park laborers the spading is done by the children in spring, midsummer, and fall.

SIZE OF PLOTS.

Each individual child's plot in the School Farm is 4 by 8 feet. The observation plots of flowers, field and fiber crops vary in size and shape.

ASSIGNMENT OF PLOTS.

A blackboard bulletin in the School Farms notifies the children of the time for registration, different days being reserved for boys and girls. Tags bearing their plot numbers are given to the children at registration.

PLANTING.

Immediately following registration School Farm Attendants take groups of children to lesson plots, where a model planting lesson is given. The children then plant the plots assigned them.

OBSERVATION PLOTS.

FLOWERS.

Decorative flower beds are included in the School Farms and consist of flowering bulbs, followed by flowers and bedding plants, set out with careful arrangement of attractive colors. These flowers are much appreciated. Of equal interest are the *field and fiber crops*.

A variety of economic plants are grown in the School Farms near the fence, with descriptive signs turned outward.

THE MAKING AND CARING OF PATHS.

The care of the paths, if properly taught, can be the foundation of good road making on a larger scale. Each individual plot owner is expected to care for the narrow paths surrounding his plot, but all of the individual plot owners must give their services toward keeping the wide paths of the School Farms in order. This teaches to the child plot owner the duty of good citizenship in keeping up to a high standard his own property and the property of the community, just as the taxpayer in the city or country must give money or his services toward keeping the community streets or roads in order.

In the middle of August, after the second planting, many little farmers having made their plots beautiful, weedless pictures, some vigorous work is needed to keep them busy and employ their overflowing animal spirits. Ashes or gravel are dumped just outside of the School Farm railing, that all children who desire, regardless of age and plot ownership, may have an opportunity to load wheelbarrows. Only those with proper credentials are allowed to enter the School Farm gate with wheelbarrows and aid in path making. The eagerness with which these children take hold of this part of the work, even to those restricted to handling the ashes outside of the gate, amazes every one. An overheated boy or girl forcibly made to sit still for a few minutes feels it to be an absolute punishment. These scenes would convert the most pessimistic disbeliever into an optimist as to children's love of work and their willingness to obey under right conditions.

COLOR SCHEME.

Flower beds, vegetable beds, in fact, the whole School Farm, even to the color of the gravel, is laid out with a color scheme in view. Teaching a child to plant and grow a vegetable or flower, without relation to its surroundings, may be of some value, but it is apt to be forgotten in a short time, whereas the giving of this same object lesson as a part of a beautiful picture will never be forgotten, for, as the beautiful picture comes back to the mind, the incident of the child's part in making that picture will naturally bring back every detail of the plant cared for.

Every child's plot is planted alike for two reasons:

First.—As the crops grow the intersecting paths become less and less obtrusive, and the School Farm presents to the eye long rows of radishes, beans, beets, corn, carrots, lettuce and onions, so that the appearance of the School Farm enables the children to recognize the crops when they see them in the long rows of a well-ordered adult garden or farm.

Second.—It facilitates the teachers' work in handling large numbers of children at one time. A lesson given upon one plot applies to the whole School Farm.

It is as much a mistake to allow children to plant as they please before they have received training as it would be to build a fine school house, open the doors and invite the children to enter and educate themselves.

VISITING CLASSES.

The courtesy of the School Farms is extended to all schools, public, parochial and industrial, in the same manner as the courtesy extended by the Art and Natural History Museums. The first, in the spring, to take advantage of this privilege are the kindergartens and crippled children. With the cordial coöperation of the school authorities the School Farms are used as a valuable nature study laboratory, children coming in groups of four hundred an hour, three hours a day, during September and October.

Following these lessons in the School Farms enough nature study material is furnished to each school to enable each class room to have its share, as an aid to the class teacher to carry on in detail the lesson they received in the School Farms.

NATURE TABLE.

At a convenient place in each School Farm a table, with a bench on either side, stands throughout the season. On this table are placed plants and seeds in different stages of development, insectarium and different experiments. Here an interested group of children are constantly gathered. They collect and bring to the table beetles, butterflies, a field mouse or toad, or any unusual plant growth found in the School Farm. Here, under guidance, they learn the life history, habits and uses of this collection.

NATURE STUDY LESSONS.

The nature study lessons in the Children's School Farms consist of study of insects, table vegetables, flowers, field crops, seeds and plant parts.

WEATHER CONDITIONS.

The spring of 1912 was wet, cold and cloudy, and would have been a failure, from a commercial point of view. In spite of these conditions, Children's School Farms afford many valuable lessons. The very fact that the children must one season cope with a wet, late spring, and another year with an early, dry, warm spring, teaches them to conquer difficulties.

EFFECT ON ADULTS.

The influence of the Children's School Farms extends not only to the child world, but to that of adults as well. Children in a proper environment, orderly, happy and busy, are of constant interest and surprise to the adults who have only known opposite traits in children.

Where the nationality is ninety per cent. Italian, the love of flowers exceeds in a marked degree the interest in vegetables. Where it is Irish, German or English, the love of vegetables predominates.

It is a touching sight to onlookers to witness the emotion of old Italian women, who cannot speak a word of English, with their children and grandchildren gathered around them, gazing in rapture at the pansy beds in the early spring. Sympathy is the only interpreter needed to know that these flowers carry them in thought to the warm and sunny climes of their native land, after a winter of monotone color and deprivation, in a congested city of a strange country.

The four-foot observation plot of flax is a poetic link between the present and the past of all nationalities. The School Farm instructors have no need to explain the process from the planting of the seed, to the manufacturing of the finished product of this fiber plant. In many cases, derelicts, who have long since forgotten the nature of a new life, have been drawn to the School Farms day after day by the influence of this tiny plot of flax, and, after their confidence has been won, will tell with enthusiasm and faces shining with a new light how they handled this product in their youthful days.

THE LITTLE MOTHERS AND FATHERS.

The School Farms furnish a wonderful relief to the "Little Mothers and Fathers." These children, who have their baby brothers and sisters to care for, keep them happily amused letting them pick up sticks and stones, or comfortably seat them near by in boxes or baby carriages. In contrast to carrying the babies in their arms, or seated on a desolate doorstep in a hot street, the School Farms, while not relieving them from this duty, enables the older child, at the same time, to gain health and pleasure.

WAYWARD CHILDREN.

The influence of the Children's School Farms in which they share with other happy and interested children a real ownership in the earth and its growing things has proved the most direct and successful way of reaching wayward children.

CRIPPLES.

The long straight paths, between rows of vegetables, seem to give the crippled children a feeling of safety, and little by little they gain courage to become more active. The look of happiness and momentary forgetfulness of pain in the faces of these children, whose days and nights are filled with suffering, is intensely pathetic. Owing to the wet, cold spring, the Crippled Children's Driving Fund did not start their carriage in April, so the children were not brought to the Garden this year until the second planting—July 1st.

AWARDING OF FLAGS.

For the neatest section, a flag is awarded by a committee of children, who are much impressed with the importance of their position as judges. No individual prizes are ever given.

HIGH SCHOOL BOYS.

A new and interesting feature in the Children's School Farms is the unusual interest taken by the High School boys, with the coöperation of a teacher of biology. A section containing sixty plots was set aside for the use of the High School boys. Four objects were in view:

- To use the School Farms as a nature study laboratory for biology classes,
- To give these larger boys an opportunity to work in the open,
- To teach them how to spade, rake, hoe, plant and care for vegetables,
- To learn the names and uses of the implements in order that they might be acceptable as employees to farmers during their summer vacation.

Twenty-five of these boys secured such positions. They said that the work was not too heavy and all returned to the city with cordial invitations from the farmers for whom they worked, to return another year. The city boy, without previous training, is useless to the farmer. He cannot even be sent on an errand to the barn as he does not know the name of an implement, and has no knowledge of how work should be done.

EXHIBITS.

The model and photographs of the Children's School Farm with vegetables and implements was exhibited at the

Woman's Industrial Exposition, Grand Central Palace, New York City, March 14th to 23rd,

Domestic Science and Pure Food Exposition, 71st Regiment Armory, October 23rd to November 2nd,

American Land and Irrigation Exposition, 71st Regiment Armory, New York City, November 15th to December 1st.

Photographs, vegetables and tools exhibited at:

Dahlia Show, American Institute, New York City, October 3rd.

Photographs and grains exhibited at:

New York Horticultural Society Flower Show,

American Museum of Natural History, New York City, November 2nd to 7th.

INDIVIDUAL OWNERSHIP AND COMMUNITY RESPONSIBILITY.

After the child has been given its individual plot, and been impressed with the fact that he is to have no aid in caring for it from his fellow farmers, and that he is to render no aid to them in caring for theirs, unless asked to do so by the person in charge, he is apt to become selfish. Thus a raking drill is instituted at the close of the day, for three reasons: First—The effect upon the child of closing the day's work properly,

Second—The individual's duty to the community or public service,

Third—The physical effect of raking in concert, so exercising every muscle.

Any group of children in the School Farm at the hour for this closing work are expected to form in line, each taking their place at the head of a path, and rake its whole length, first north and south, then east and west, leaving the rubbish in piles for the little farmers, who are waiting on the outside paths with wheelbarrows to gather it up and dispose of it. As they go out the gate, their last view of the School Farm is a beautiful picture left in perfect order by their own efforts. This drill allows the School Farm to be closed with a swing and exhilaration which seems to wind up the day in quite a different spirit than when the children are allowed to drift out individually when their own plot work is done.

CIVIC TRAINING.

The individual ownership of a plot does not mean the exclusion of other children. Their friends of all ages are always welcome to visit the wonders of these School Farms.

One of the strongest reasons the Director had in starting these School Farms was to teach the private care of public property. This must be done through education. By having the children lay a strip of sod about the flower beds and being expected to take care of this sod and keep it in such condition that it will not mar the beauty of the School Farm, they gradually learn, as in no other way, why the lawns outside the School Farm, maintained by the City, must be taken care of and protected. The ownership of an individual plot, and confining that owner's care to that one plot, in a short time develops selfishness in the children. This is overcome by requiring from each and all a general care of this whole School Farm (such as paths, decorative flower beds and grass), so uniting individual ownership with a responsibility for the appearance of the whole, making a foundation for good citizenship.

Effort is made in the School Farm, to impress upon the children that this School Farm is the Children's World. Its beauty, order and success are dependent upon

them, but outside of the garden fence is the adult world and respect must be paid to adult rights. Individual ownership, in a community garden, must be the keynote of all such instruction.

SYRACUSE.

A Farm Boys' Camp having been planned by the State Department of Agriculture as a feature during the State Fair at Syracuse, New York, the Director felt that as this Bureau embodied the only group of farmers below 114th street, in New York County, state recognition should be given and delegates invited for the week. The plan was successfully carried out and two delegates selected according to the age requirements. The conduct of these delegates was so commendable as to attract the attention of the state officials. These boys were invited to lead the prize cattle before the grand stand, and showed great pluck in handling these animals when they became unruly. Torn trousers, bruised feet and aching arms were forgotten in the glory of the achievement. The tent occupied by these boys was awarded the cup for neatness. It had never occurred to the State officials to invite city boys as delegates, feeling that the State Fair would be of little advantage to them and there would be no way of carrying out the instructions received there on their return home. The Children's School Farms conducted on the comprehensive method of this bureau are changing the former point of view and proving that even in a congested city, intelligent knowledge of elementary agriculture, as well as gardening, can be obtained. Because of the good behavior of these delegates, the officials not only invited them to return in 1913 but also four additional delegates from this bureau.

CLOSING OF THE SCHOOL FARMS.

Following the final harvesting in the fall, the ground is manured, and spading by the children, under guidance, is conducted in the same methodical manner as when preparing the ground in the spring. For two reasons—first, that the children may learn the proper method of preparing the ground for the winter, and, second, for the moral and ethical effect of completing a task and closing up the year's work in workman-like manner.

APPOINTMENTS.

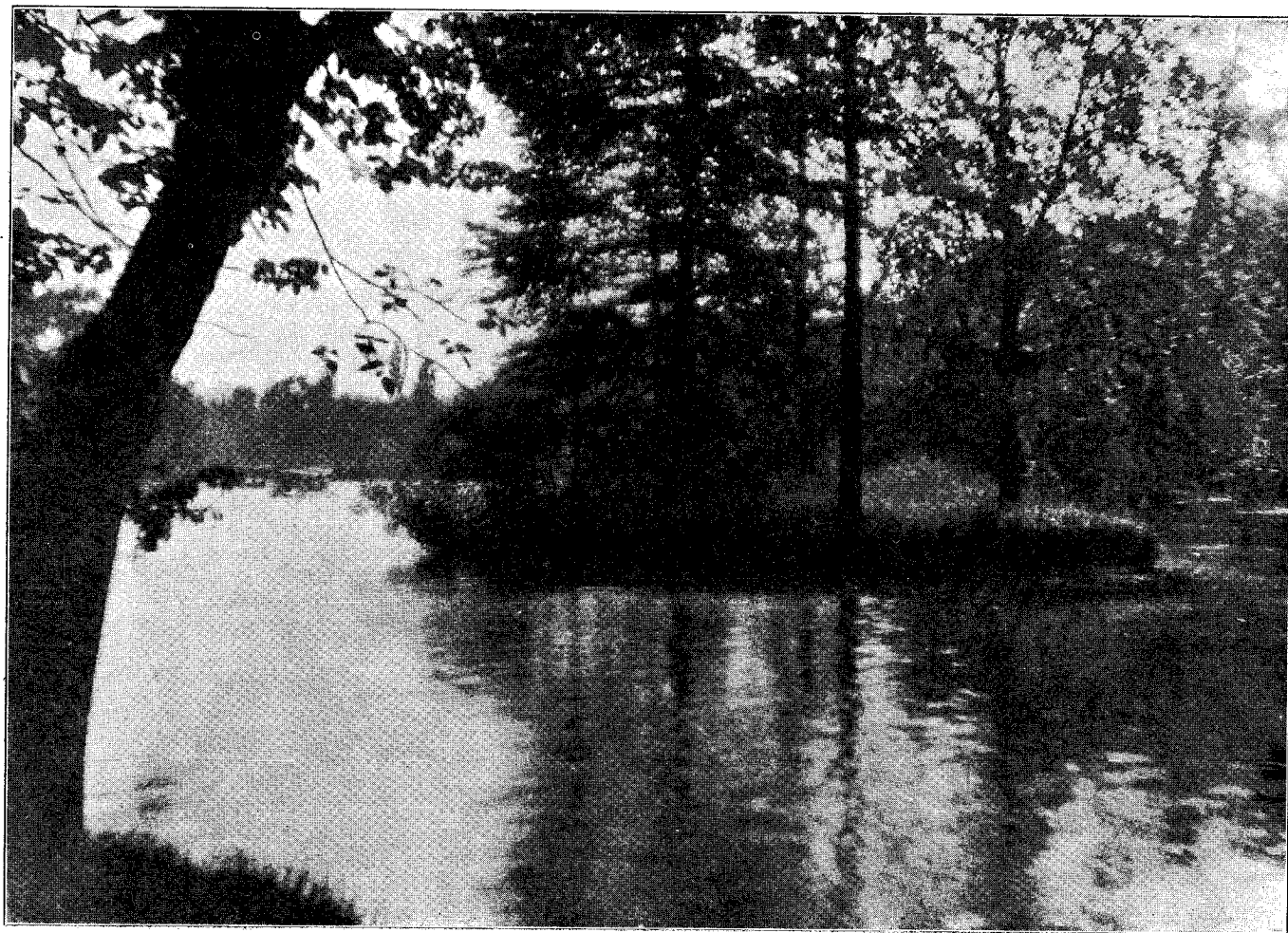
As soon as the eligible lists for the positions of Assistant Director and Head Attendant were available, appointments were made as follows:

Earl H. Beckwith.....	From April 20, 1912. Resigned June 22, 1912.
James R. Gallagher.....	From April 20, 1912.
William O'Connor.....	From April 20, 1912. Resigned April 25, 1912.
Henry S. Roberts.....	From May 1, 1912.

Prior to the eligible list for School Farm Attendant being ready, appointments, were made as follows:

One January 31, 1912,
Two April 16, 1912,
One April 18, 1912.

When the eligible list was promulgated, April 20th, 1912, the temporary per diem appointments, for School Farm Attendant, twenty-four in number, were made as follows:



VIEW OF LAKE IN PROSPECT PARK.

Francis J. McCormack	From January 31, 1912, to April 29, 1912 (prior to establishment of Civil Service List). Reappointed July 5, 1912, to January 5, 1913.
Hannah McCaffrey	From April 16, 1912, to April 29, 1912 (prior to establishment of Civil Service List). Reappointed May 4, 1912, to November 18, 1912.
Robert C. Hatch	From April 16, 1912, to April 29, 1912 (prior to establishment of Civil Service List). Reappointed May 22, 1912, to November 23, 1912.
Henrietta Munckwitz	From April 18, 1912, to April 26, 1912 (prior to establishment of Civil Service List).
Kate J. Giblin	From April 26, 1912, to August 23, 1912.
Edna Byrne	From April 27, 1912, to November 18, 1912.
Grace W. Cahill	From April 27, 1912, to November 18, 1912.
Sadie C. Davies	From April 29, 1912, to April 29, 1912.
Julia L. Engel	From April 29, 1912, to November 18, 1912.
Olive H. Wilde	From April 29, 1912, to August 30, 1912.
Joseph D. Schwartz	From April 30, 1912, to October 1, 1912.
Kathria Edes	From May 3, 1912, to October 23, 1912.
Irving Shonbrun	From May 3, 1912, to October 11, 1912.
Louis Schoen	From May 3, 1912, to June 27, 1912.
Joseph P. Routh	From May 22, 1912, to October 11, 1912.
Cyril J. Solan	From May 22, 1912, to November 2, 1912.
Richard Titus	From May 22, 1912, to October 11, 1912.
Helena Mahon	From July 2, 1912, to August 31, 1912.
Marie N. Williams	From July 2, 1912, to August 23, 1912.
Sheldon J. Brady	From July 2, 1912, to September 20, 1912.
Janet V. Brinkerhoff	From July 2, 1912, to August 23, 1912.
Ralph Breiling	From July 2, 1912, to July 9, 1912.
Mina R. Streich	From July 12, 1912, to September 24, 1912.
Francis J. Hickey	From July 12, 1912, to October 11, 1912.
Agnes F. McCauley	From August 9, 1912, to September 5, 1912.
Carrie Wright	From August 29, 1912, to September 6, 1912.
Marie E. Greene	From August 9, 1912, to October 19, 1912.
Isabelle LeGallez	From August 29, 1912, to December 31, 1912.
Two permanent per diem appointments were made as follows:	
Edna Byrne	November 18, 1912.
Edward J. Miller	November 21, 1912.

DEWITT CLINTON PARK SCHOOL FARM.

LOCATION: In De Witt Clinton Park, 52nd and 54th streets and 11th and 12th avenues. Gardens at 12th avenue end.

Area of Garden—North and south, 250 feet; east and west, varying from 120 to 150 feet. Area and general plan of the garden the same as in 1911.

Garden consists of 490 plots, as follows:

Number of individual plots	boys 212
Number of individual plots	girls 220
Number of observation plots	32
Number of flower beds	26

Total 490

APPOINTMENTS.

The establishment of Civil Service examinations, and the necessity of drawing applicants from an eligible list, necessarily caused some confusion the first season, as not all of those who passed a good examination proved to have any knowledge of the practical work on the ground, or tact in handling the children. The confusion arising from this condition grew worse and worse through the summer, and it was necessary for the first time in eleven years to close the De Witt Clinton Park Children's School Farm on September 1st, in spite of the fact that there was sufficient money and a full corps of attendants.

The pleading of the children to be allowed to spade in the fall caused the Director to re-open it for a few weeks, but again it was necessary to close it, for reasons previously stated.

WEATHER CONDITIONS.

The spring was wet, cold and cloudy, making planting and propagation difficult.

CONDITION OF THE BUILDING.

The dilapidated condition of the building was such as to discourage the children from enjoying their shop work in the tool-room, and the household industries in the rooms apportioned to that work.

GANGS.

A strike was started, the boys demanding the return of a certain teacher, who had been transferred to another School Farm. The Director refused to receive any communication except in writing and through the mail. Paper and envelope were easily secured, but the question of how the price of a two cent stamp was to be divided among the six leaders of the strike ended the matter abruptly.

NUMBER OF CHILDREN HAVING INDIVIDUAL PLOTS.

First half of season:

Boys.....	84
(From DeWitt Clinton High School).....	128
Girls.....	220
Transfers.....	176
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	608

COMMUNITY PLOTS.

One plot assigned to Kindergarten Classes.

Second half of season:

Boys.....	212
Girls.....	220
Transfers.....	115
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	547

Total..... 1155

Causes which led to transfers:

Neglect of plot,
 Bad behavior in garden,
 Change of residence,
 Loss of tag,
 Going to work.

The daily attendance averaged 30 per cent.

NUMBER OF SCHOOLS REPRESENTED IN THE GARDEN BY "LITTLE FARMERS."

13 Public schools.

4 Parochial schools.

1 High school.

2 Industrial schools.

3 Kindergartens.

Crippled children brought by Crippled Children's Driving Fund.

Public Schools:

No. 58.	317 West 52d street.....	New York City
No. 69.	125 West 54th street.....	New York City
No. 84.	430 West 50th street.....	New York City
No. 51.	519 West 44th street.....	New York City
No. 43.	129th street and Amsterdam avenue.....	New York City
No. 141.	462 West 58th street.....	New York City
No. 67.	120 West 46th street.....	New York City
No. 54.	104th street and Amsterdam avenue.....	New York City
No. 50.	211 East 20th street.....	New York City
No. 17.	47th and 48th streets, west of 8th avenue.....	New York City
No. 94.	Amsterdam avenue and 68th street.....	New York City
No. 25.	4th and 5th streets, west of 1st avenue.....	New York City

Parochial Schools:

Sacred Heart.....	403 West 51st street.....	New York City
St. Paul's.....	9th avenue and 60th street.....	New York City
Holy Cross.....	349 West 42d street.....	New York City
Assumption.....	West 49th street.....	New York City

Kindergartens:

Children's Aid Kindergarten...	552 West 53d street.....	New York City
Hartley House.....	413 West 46th street.....	New York City
Industrial Kindergarten.....	52d street, near 11th avenue....	New York City
P. S. No. 58.....	317 West 52d street.....	New York City

Industrial Schools:

Children's Aid Society.....	552 West 53d street.....	New York City
Crippled Children's Driving Fund.		

High School:

DeWitt Clinton High School...	59th street and 10th avenue.....	New York City
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The interest of the high school boys caused 128 to apply for plots as compared to 60 in 1911.

Countries, States and Cities Represented by Visitors:

Foreign countries.....	2
States.....	8
Cities.....	31

Countries.	Cities and Towns.
Egypt.....	Cairo.
Canada.....	Ontario, Belleville, Toronto.
States.	
New York.....	New York, Yonkers, Brooklyn, Southampton, Port Chester, Croton-on-Hudson, Jamaica, Garden City, Kingston.
California.....	San Francisco.
Ohio.....	Mountainville, Cincinnati, Rockaway, Sandusky.
Missouri.....	St. Louis.
New Jersey.....	Hackensack, Ridgefield Park, Norma, Morristown, Ocean Grove, Union Hill.
Massachusetts.....	Westfield, Boston, Lowell.
Florida.....	Tampa.
South Carolina.....	Charleston, Beaufort.

Total of people deriving profit, pleasure and health by contact with the Garden:

Plot owners—first and second seasons.....	1155
Registered visitors.....	92

1247

(Exclusive of adults of the neighborhood and baby brothers and sisters of
"Little Farmers.")

Visitors—Come from all parts of the world.

Active child farmers—Come from the section bounded by 23rd street to 65th street,
Sixth to Twelfth avenues.

Crippled children are brought from West 35th to West 68th streets.

The following vegetables, flowers, fiber plants, etc., were made familiar to the
"Little Farmers":

- 34 Varieties of vegetables.
- 23 Varieties of flowers.
- 3 Varieties of fiber crops.
- 4 Varieties of grains.
- 16 Varieties of insects.

OBSERVATION PLOTS.

Alfalfa	Flax	Parsnips
Broom Corn	Forestry Plot	Parsley
Buckwheat	Grass (Timothy)	Rye
Beans (Lima)	Kale	Rhubarb
Beets (Sugar)	Kohl Rabi	Rutabaga
Clover	Oats	Salsify
Cabbage	Okra	Swiss Chard
Cauliflower	Potatoes (Sweet)	Vetch
Endive	Potatoes (Irish)	

FLOWERS.

Common Name.	Family Name.
Moon Flower.....	Ipomœa.
Brazilian Morning Glory.....	
Japanese Morning Glory.....	
Sweet Alyssum.....	Alyssum.
White Verbena.....	Verbena Hybrida.
Crimson Verbena.....	
Pink Verbena.....	
Purple Verbena.....	
Red Canna.....	Canna-Zingiberacea. The ginger family.
Yellow Canna.....	
Coleus.....	Coleus.
Geraniums.....	Geraniaceæ.
Althernanthera.....	Althernanthera.
Begonia.....	Begoniaceæ.
Golden Glow.....	Florintino Rubeccia.
Tiger Lilies.....	Tigrinum.
Pansies.....	Viola Tricola.
Asters.....	Aster.
Tulips.....	Tulipa.
Phlox.....	Phlox Drummondii.
Iris.....	Iris Kæmpferi.
Dusty Miller.....	Cineraria maritima.
Bachelor's Buttons.....	Gomphrena Globosa.

CHILDREN'S PLOTS.

Radishes, Beans, Beets, Carrots, Lettuce, Onions, Corn.

NATURE STUDY.

Distinguishing different kinds of seed, depth planting, roots, brace roots, soil experiment, stems and leaves, sprouting seeds, use of hoe, spade, rake, and why we cultivate.

INSECTS.

Cabbage Worm	Cut Worm	Blister Beetle
Lady Bug	Wire Worm	Wasp
Grasshopper	Cricket	Bee
Aphis	Katydid	Horsefly
Spider	Ants	Mosquitoes

THOMAS JEFFERSON PARK SCHOOL FARM.

Location—In Thomas Jefferson Park, 111th and 114th streets and East River.

Area of Garden—Approximately 457 feet north and south, 234 feet east and west.

The general plan of the School Farm is the same as the one in De Witt Clinton Park.

Garden consists of 1,114 plots, as follows:

Number of individual plots.....	(boys)	494
Number of individual plots.....	(girls)	524
Number of observation plots.....		58
Number of flower beds.....		38

1,114

SHOP WORK.

In spite of the fact that adequate accommodations were lacking, the Director deemed it necessary to have simple shop work and household industries, which from the beginning have been an essential accessory of her School Farms. Under these conditions, success of this plan depended upon securing expert teachers with orderly minds and versatility. With no protection from the elements in case of sudden storm, the teacher must instantly be capable of putting everything away and promptly ready to resume the lesson immediately after. Discarded wooden boxes served as material for the work. China closets, dressing tables, book racks, rolling pins, neck-tie racks, umbrella stands, knife boxes and desks were made.

HOUSEHOLD INDUSTRIES.

The household industries consisted of the children securing vegetables of their own growing in the School Farm, preparing, cooking and eating them; also washing and ironing towels, sewing aprons and curtains, and scrubbing floors.

EXECUTIVE OFFICE.

A portable house, 14 by 20 feet, standing eighty feet to the west of the tool house on the land to the north of the School Farm is used as an executive office. Connecting this office with the tool house is a platform sixty feet long and twenty-three feet wide, with a fence to the north nine feet high, acting as a windbreak and an adjustable awning for a roof. This platform is used in the summer for demonstration shop work and household industries.

GANGS.

The gang spirit so noticeable in 1911 had completely disappeared. It was a question of the School Farm or the gang and they were glad to come in as individuals.

The response to the rules of the School Farm, as stated on another page, was marked and gratifying. Boys, who were the most troublesome in 1911, not only did the best work in the School Farm, but showed the enduring influence by increased interest in their school work and giving more faithful service in business.

CELEBRATION OF "THE LADY OF MOUNT CARMEL."

In this Italian neighborhood, for three days in the month of July, is held the celebration of "The Lady of Mount Carmel." Italians come not only from all portions of this country but from Italy to attend this celebration and meet with relatives whom they may not have seen for years. Between 25,000 and 30,000 people congregate for this celebration within a radius of a few blocks. The space on which this School Farm was established had previously been a green lawn and used by these Italians as sleeping quarters during the three days of celebration. Everyone in the neighborhood predicted that this garden would be utterly destroyed during this time. The Director remained one night until twelve o'clock in order to note the attitude of this large concourse of people. During those three days, not one act of vandalism occurred in the garden. No better proof could have been furnished that it is possible to educate the masses in caring for public property and respecting the rights of others. The falsity of the prophecy was also proven that nothing could be made to grow in that soil and if it did it would not remain there over night.

CROPS.

The crops were about the same as those in the DeWitt Clinton Park Garden.

INTERESTING INCIDENTS.

The Head Attendant, while putting things out of harm's reach on Election night, was asked by one of the boys what he was locking things up for. The answer was "I am taking no chances as to fuel for bonfires to-night." The boy replied, "Well, you need not go to that trouble, not a boy in this neighborhood would touch a thing in this garden." As a test, a chair and table were left on the platform all night. The next morning everything was found just as it had been left.

A little girl farmer was so devoted to her farm that when she died her mother placed her *tag of ownership* in the coffin with her.

NUMBER OF CHILDREN HAVING INDIVIDUAL PLOTS.

Boys having individual plots.....	1,099
(Boys allowed a second plot, 118.)	
Transfers for various reasons.....	315
Girls having 1 individual plot.....	935
(Girls having a second plot, 157.)	
Transfers for various reasons.....	219
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	2,568

COMMUNITY PLOTS.

Twenty-seven plots assigned to classes of Public School Kindergartens.
Planting days—May 10th and August 18th.
Daily attendance averaged 33 per cent.

VISITING CLASSES.

From September 17 to November 15.	
Public School Children—From schools in 17th and 20th Districts (grammar).....	9,142
Kindergarten Children—From schools in 17th, 20th and 21st Districts.....	3,037
Training School Students—From New York Training School for Teachers.....	325
Industrial School Children—	
Industrial School No. 11.....	196
Industrial School No. 12.....	303
Rhineland Cripple School.....	44
Methodist Kindergarten.....	100
New York Kindergarten Association.....	46
Crippled Children's Driving Fund.....	270
	<hr/>
	13,463

SCHOOLS REPRESENTED IN GARDEN BY "LITTLE FARMERS."

Public Schools—

- No. 83—109th and 110th streets, east of 3d avenue.
- No. 85—1st avenue and 117th street.
- No. 163—509 East 120th street.
- No. 172—108th-109th streets, East of 2d avenue.
- No. 78—Pleasant avenue and 119th street.
- No. 39—125th and 126th streets, west of 2d avenue.
- No. 24—128th streets, west of Madison avenue.
- No. 109—99th and 100th streets, between 2d and 3d avenues.
- No. 12—Madison and Jackson streets.
- No. 57—176 East 115th street.

Public Schools—

- No. 74—220 East 63d street.
- No. 72—Lexington avenue, 105th and 106th streets.
- No. 13—East Houston and Essex streets.
- No. 184—116th and 117th streets, east of Lenox avenue.
- No. 168—104th and 105th streets, east of 2d avenue.
- No. 159—119th and 120th streets, west of 2d avenue.
- No. 103—119th street and Madison avenue.
- No. 192—Amsterdam avenue and 136th street.
- No. 39—125th and 126th streets, west of 2d avenue.
- No. 102—113th street, east of 2d avenue.
- No. 101—111th street and Lexington avenue.
- No. 157—St. Nicholas avenue, 126th and 127th streets.
- No. 163—509 East 120th street.

Parochial Schools—

- Mt. Carmel, 115th street and Pleasant avenue.
- Our Lady of Angels, East 112th street.
- St. Cecelia, 106th street and Lexington avenue.
- St. John's, 367 Pleasant avenue.

Industrial Schools—

- No. 6—337 East 113th street.
- No. 11—103d street and 2d avenue.
- No. 12—2247 2d avenue.

High Schools—

- Wadleigh High School, 115th street and 7th avenue.
- New York Model School, West 119th street.

CAUSES WHICH LED TO TRANSFERS.

- Neglect of plot,
- Bad behavior in garden,
- Change of residence,
- Loss of tag,
- Going to work.

SCHOOLS AND COLLEGES VISITING GARDEN.

Training School for Teachers.....	325
New York University Summer School.....	10
Columbia University Summer School.....	350

685

NUMBER OF VISITS BY KINDERGARTEN CLASSES.

	Times.
No. 85.....	17
No. 172.....	14
No. 159.....	9
No. 168.....	2
New York Kindergarten Association.....	2
No. 121.....	2
No. 68.....	2
Industrial No. 12.....	1
Rhineland.....	2
Visiting Cripples.....	1
No. 78.....	2
No. 32.....	1
Methodist Kindergarten.....	2

COUNTRIES, STATES AND CITIES REPRESENTED BY VISITORS.

Countries.....	3
States.....	39
Cities and towns.....	116

Countries.	Cities and Towns.
Japan.....	Hiroshima.
Austria.....	Vienna.
Canada.....	Alberta, Ottawa, Ontario, Quebec, Woodstock, Kingston.
States.	
Pennsylvania.....	Pittsburgh, Columbia, Brooksville, New Bethlehem, Smithport, West Alexander, Stroudsburg, Dunmore, Ivyland, Braddock.
New Jersey.....	Summit, Ridgely, Hackensack, Red Bank, Montclair, Burlington, Weehawken, Delaware, Paterson, Passaic, Bound Brook, Trenton.
New York.....	Brooklyn, New York, Rockaway, Rochester, Mendon, Holley, Auburn, Ithaca, Yonkers, Albany, Binghamton, Glen Falls, Poughkeepsie, Troy, Penn Yan, Hudson.
Texas.....	Fort Worth, Cleburne, Corsicana, Bryan, Dallas, Galveston, Lockhart, Washburn.
Illinois.....	Evanston, Jacksonville, Woodson, Martinsville, Chicago, Oak Park.
Massachusetts.....	Fitchburg, Gardner, Holyoke, Brookline.
Maryland.....	Glencow, Baltimore.
Kentucky.....	Berea, Lexington.
North Dakota.....	Fessenden, Valley City.
Indiana.....	Elwood, Bloomington.
Nebraska.....	Lincoln.
South Dakota.....	Spearfish, Lead.
Virginia.....	Elk Creek, Abingdon, Newport News, Toano, Waynesboro, Spring Valley, Chilhowie, Union Sevel, Huntington, Emory.
Ohio.....	Lima, Middletown, Jefferson, Sidney.
Rhode Island.....	Woonsocket.
Minnesota.....	St. Paul.
Connecticut.....	Greenwich.
Tennessee.....	Anderson, Murfreesboro, Bristol.
North Carolina.....	Lenon, Burlington, Coldsboro.
Kentucky.....	Louisville, Lexington.
West Virginia.....	Parkersburg.
Michigan.....	Romeo, Three Oaks, Detroit.
Wisconsin.....	La Crosse.
Georgia.....	Macon, Atlanta.
Arizona.....	Prescott.
California.....	Berkeley, Los Angeles.
Missouri.....	Columbus, St. Joseph, Kansas City.
Maine.....	Lewiston.
Colorado.....	Denver, Greeley.
Washington.....	Washington, Seattle.
South Carolina.....	Charleston.
Arkansas.....	Fayetteville.
Vermont.....	Rutland.
Iowa.....	Cambridge.

TOTAL OF PEOPLE DERIVING PROFIT, PLEASURE AND HEALTH BY CONTACT WITH THE
SCHOOL FARMS.

Different children.....	2,568
Visiting pupils from schools (different children).....	14,321
Visiting crippled children.....	270
Convalescent children from "Westfield" boat.....	40
Visitors (exclusive of adults of the neighborhood and baby brothers and sisters of "Little Farmers").....	301
	<hr/> 17,500

AREA COVERED BY GARDEN'S USEFULNESS.

Nature material distributed.....	To schools of 17th and 20th Districts in Borough of Manhattan.
Visitors.....	Come from all parts of the world.
Active farmers.....	Cover an area of from 100th street to 126th street and from Fifth to Pleasant avenues.

NATURE MATERIAL SUPPLIED TO THE FOLLOWING SCHOOLS.

A section bounded by the Brooklyn Bridge to 120th street:

Public Schools—

No. 1.....	Henry, Catherine and Oliver streets.
No. 2.....	116 Henry street.
No. 2 Annex.....	155 Henry street.
No. 4.....	Rivington, Ridge and Pitt streets.
No. 7.....	Christie and Hester streets.
No. 12.....	Jackson and Madison streets.
No. 13.....	East Houston and Essex streets.
No. 20.....	Rivington, Forsyth and Eldridge streets.
No. 177.....	Market and Monroe streets.
No. 22.....	Stanton and Sheriff streets.
No. 88.....	Rivington and Lewis streets.
No. 98.....	38 Sheriff street.
No. 34.....	Broome and Sheriff streets.
No. 34 Annex.....	Delancey and Willett streets.
No. 110.....	Broome and Cannon streets.
No. 92.....	Broome and Ridge streets.
No. 75.....	25 Norfolk street.
No. 75 Annex.....	197 East Broadway.
No. 147.....	Henry and Gouverneur streets.
No. 147 Annex.....	288 East Broadway.
No. 147 Annex.....	303 Henry streets.
No. 31.....	Monroe and Gouverneur streets.
No. 62.....	Hester, Essex and Norfolk streets.
No. 42.....	Hester, Orchard and Ludlow streets.
No. 137.....	Grand, Essex and Ludlow streets.
No. 161.....	Ludlow and Delancey streets.
No. 140.....	116 Ludlow street.
No. 160.....	Rivington and Suffolk streets.
No. 91.....	Stanton and Forsyth streets.
No. 65.....	Eldridge and Forsyth streets.
No. 83.....	110th street, east of 3d avenue.
No. 172.....	108th and 109th streets, east of 2d avenue.

Public Schools—

No. 101.....	111th street west of Lexington avenue.
No. 168.....	104th and 105th streets, east of 2d avenue.
No. 78.....	Pleasant avenue and 119th street.
No. 85.....	First avenue and 117th street.
No. 159.....	119th and 120th streets, west of 2d avenue.
No. 57.....	176 East 115th street.
No. 103.....	119th street and Madison avenue.
No. 171.....	103d and 104th streets, east of 5th avenue.
No. 121.....	227 East 102d street.
No. 72.....	Lexington avenue, 105th and 106th streets.
No. 184.....	116th and 117th streets, east of Lenox avenue.
New York Training School.....	120th street, 7th and 8th avenues.
Industrial School No. 11.....	103d street, west of 2d avenue.
Industrial School No. 12.....	2d avenue, 114th and 115th streets.
Total, 49.	

AMOUNT OF NATURE MATERIAL SENT TO THE SCHOOLS.

Radishes.....	1,798
Beans.....	1,798
Beets.....	1,798
Carrots.....	1,798
Lettuce.....	1,798
Corn.....	1,798

MATERIAL FROM OBSERVATION PLOTS SENT TO SCHOOLS.

Flax	Broom Corn	Sweet Potatoes	Oats	Rye
Barley	Sage	Cotton Plant	Millet	

The following vegetables, flowers, fiber plants, insects, etc., were made familiar to the "Little Farmers":

52 Varieties of vegetables.
20 Varieties of flowers.
3 Varieties of fiber crops.
4 Varieties of grain.
12 Varieties of insects.

OBSERVATION PLOTS.

Sugar Beets	Kohl Rabi	Brussels Sprouts	Kale
Cabbage	Turnips	Muskmelon	Swiss Chard
Peppers (red and green)		Salsify	Parsnip
Celery	Pumpkin	Tobacco	Parsley
Rutabaga	Endive	Squash	Cucumber
Dill	Lavender	Thyme	Sage
Sweet Marjoram	Spinach	Wheat	Barley
Indian Corn	Lima Beans	Flax	Hemp
Jute	Sweet Potatoes	Rye	Rhubarb
Tomatoes	Peanuts	Buckwheat	Eggplant
Okra	Millet	Oats	Vetch
Soy Beans	Broom Corn	Clover	Cauliflower

FLOWERS.

Shirley Poppy	Sweet Alyssum	White Verbena
Pink Verbena	Purple Verbena	Gladioli
Green Leaf Canna	Geraniums	Centaurea
Yellow Coleus	Althernanthera	Foleilia
Salvias	Begonias	Dusty Miller
Red Coleus	Red Leaf Canna	Crimson Verbena
	Genea	

CHILDREN'S PLOTS.

Radishes, Beans, Beets, Carrots, Lettuce, Onions, Corn.

INSECTS.

Seventeen Year Locust	Solitary Wasp
Tomato Worm	Moth
Grasshopper	Cabbage Butterfly
Aphis	Cut Worm
Lady Bug	Potato Beetle
Tent Caterpillars	Wire Worm

NATURE STUDY LESSONS.

Table Vegetables.

Radishes, Beans, Beets, Carrots, Lettuce, Onions, Corn, Parsnips, Swiss Chard, Turnip, Potato, Cabbage, Pumpkin, Squash, Cucumber, Kohl-Rabi, Endive.

Flowers.

Shirley, Poppy, Geranium, Sweet Alyssum, Tulips, Pansy.

Field Crops.

Oats, Wheat, Millet, Vetch, Barley, Rye, Flax.

Plant Parts.

Their value as food, medicine and dyeing purposes.

Respectfully submitted,

FANNIE GRISCOM PARSONS, *Director.*

HON. CHARLES B. STOVER,

Commissioner of Parks,

Boroughs of Manhattan and Richmond.

Dear Sir.—I have the honor to submit herewith the Annual Report of the Bureau of Recreation for the year 1912.

The opening of nine new park playgrounds thoroughly equipped and adequate to meet the needs of the various sections of the City, many with shower baths, lockers, and all the comforts that go with playgrounds have been thoroughly appreciated and enjoyed by thousands of children and adults.

The development of the grounds now under course of construction will be an additional gain to playground work in this City. When these facts are taken into consideration that in three years, thirty park playgrounds and recreation centres, varying from little children's playgrounds to athletic fields and baseball grounds and indoor gymnasiums have been developed under your administration, it would seem that this advancement has been unparalleled in the history of the playground movement, and the widespread demand is apparent on all sides to maintain these grounds the year round.

The Inter-Park Playground baseball, football tournaments and athletic games for the boys have proven very successful, and the Inter-Park Playground folk dancing, festivals and pageants for the girls have met with popular approval. I feel sure that there is no better way in which to promote healthful and educational recreation, a feeling of civic pride and good citizenship than by these Inter-Park Playground affairs. The games and festivities of the Fourth of July safe and sane celebration in our playgrounds were the chief feature of the entire celebration of the day. Several hundred thousand people witnessed the games of the boys and girls, and the giant athletic meets.

It is a notable fact that playgrounds have received the popular favor of the business interests of this City. The leading business houses loaned their auto trucks to convey the children from the forty park playground centres to and from Central Park to take part in the pageant entitled: "Around the World in Search of Fairyland," at the Sheep Fold at Central Park, on August 3rd, and the leading firms of the City donated the cake, candy and refreshments for the children. The New York Edison Company erected 10,000 lights among the trees to create the fairyland scene without cost to the City. Fully 5,000 children took part and 30,000 spectators witnessed the pageant.

The business houses and press of this City generously donated the prizes for the boys' and girls' games and festivals during the year.

This department has tried to meet the demands of all societies, churches, settlements and clubs interested in the boys and girls of this City in procuring play space for the various games; and has coöperated with the Board of Education in conducting their athletic tournaments at the various park playgrounds.

The description and popularity of the various grounds may be seen from the photographs.

Respectfully,

WILLIAM J. LEE,

Supervisor, Bureau of Recreation.

ORIGINAL BUDGET, 1912.

Allowance.	Days.	Amount.	Expended.	
			Days.	Amount.
\$4.00 Gymnasium Attendants.....	1,000	\$4,000.00	999	\$3,997.59
3.00 Gymnasium Attendants.....	7,600	22,800.00	7,597 5-12	22,792.25
3.00 Playground attendants.....	4,000	12,000.00	3,999 11-12	11,999.75
2.00 Playground attendants.....	5,100	10,200.00	5,099½	10,199.54
		\$49,000.00		\$48,989.13

REVENUE BONDS.

Allowance.	Days.	Amount.	Expended.	
			Days.	Amount.
\$4.00 Gym. attendants.....				
3.00 Gym. attendants.....	1,000	\$3,000.00	999	\$2,997.25
3.00 Playground attendants.....	300	900.00	299 1-6	900.00
2.00 Playground attendants.....	550	1,100.00	549½	1,099.82
		\$5,000.00		\$4,997.07

COMBINED ALLOWANCE—BUDGET AND REVENUE BONDS.

Allowance.	Days.	Amount.	Expended.	
			Days.	Amount.
\$4.00 Gym. attendants.....	1,000	\$4,000.00	999	\$3,997.59
3.00 Gym. attendants.....	8,600	25,800.00	8,596 5-12	25,789.50
3.00 Playground attendants.....	4,300	12,900.00	4,299 1-12	12,899.75
2.00 Playground attendants.....	5,650	11,300.00	5,649	11,299.36
		\$54,000.00	Expended.	\$53,986.20
Supervisor's salary.....		3,000.00		3,000.00
Total appropriated.....		\$57,000.00	Total Expended	\$56,986.20

BALANCE.

\$4.00 Gymnasium Attendants.....	\$2.41
3.00 Gymnasium Attendants.....	10.50
3.00 Playground attendants.....	.25
2.00 Playground attendants.....	.64
Total Balance.....	\$13.80

SUPPLIES AND MATERIALS.

Allowance.....	\$2,600.00
Expended.....	2,598.08

CONTINGENCIES.

Allowance.....	\$900.00
Expended.....	899.30

RECAPITULATION, 1912.

	Attendance.	Cost.	Per Capita.
January.....	293,896	\$3,127.50	.010
February.....	234,625	2,970.66	.013
March.....	201,205	2,862.62	.014
April.....	343,623	3,408.77	.010
May.....	479,677	4,480.46	.010
June.....	595,449	6,339.94	.010
July.....	711,435	8,289.40	.012
August.....	596,885	6,418.45	.011
September.....	374,655	3,789.47	.010
October.....	380,245	4,510.66	.012
November.....	320,691	4,098.94	.012
December.....	252,062	3,689.33	.014
	4,784,448	\$53,986.20	.010

SUMMARY OF MONTHLY ATTENDANCE AND COST OF SUPERVISION.
JANUARY, 1912.

Park Playgrounds.	Attendance.	Cost.
Carl Schurz.....	3,108	\$99.50
Chelsea.....	7,456	157.00
Colonial.....	4,758	98.00
Columbus.....	4,405	115.00
Corlears Hook.....	6,549	140.50
De Witt Clinton.....	5,570	180.00
East 17th street.....	1,652	67.50
Hamilton Fish.....	15,977	210.00
Hamilton Fish Indoor Gymnasium.....	2,791	154.00
Highbridge.....	481	31.50
Hudson.....	6,573	106.00
Jasper Oval.....	1,278	37.50
Ryan.....	1,379	89.00
St. Gabriel's.....	5,648	159.50
Seward.....	22,495	234.00
Thos. Jefferson.....	4,883	176.50
Tompkins Square.....	17,156	220.00
West 59th street.....	2,872	78.00
152d street and Amsterdam avenue.....	2,731	81.00
59th street Lake.....	22,382	30.00
72d street Lake.....	84,640	48.00
100th street Lake.....	6,812	40.00
110th street Lake.....	62,300	36.00
Field Staff.....	.....	467.00
Executive Staff.....	.....	72.00
	293,896	\$3,127.50

FEBRUARY, 1912.

Park Playgrounds.	Attendance.	Cost.
Carl Schurz.....	3,992	\$98.00
Chelsea.....	10,088	183.00
Colonial.....	5,916	101.00
Columbus.....	4,428	76.50
Corlears Hook.....	7,717	147.50
De Witt Clinton.....	7,363	165.00
East 17th street.....	2,528	77.00
Hamilton Fish (indoor).....	3,797	125.00
Hamilton Fish.....	18,918	177.50
Hudson.....	11,316	146.50
Jasper Oval.....	2,775	19.50
Ryan.....	1,793	76.00
St. Gabriel's.....	6,763	155.50
Seward.....	24,763	230.66
Thos. Jefferson.....	8,424	184.00
Tompkins Square.....	20,378	219.00
West 59th street.....	2,257	60.00
152d street and Amsterdam avenue.....	3,868	100.50
59th street Lake.....	6,356	27.00
72d street Lake.....	51,500	27.00
100th street Lake.....	8,055	46.50
110th street Lake.....	21,630	24.00
Field Staff.....	.....	417.00
Executive Staff.....	.....	87.00
	234,625	\$2,970.66

MARCH, 1912.

Park Playgrounds.	Attendance.	Cost.
Carl Schurz.....	5,677	\$92.00
Chelsea.....	10,692	218.50
Colonial.....	6,774	93.00
Columbus.....	7,805	81.00
Corlears Hook.....	8,393	115.50
De Witt Clinton.....	10,103	154.00
East 17th street.....	3,704	69.99
Hamilton Fish (indoor).....	2,951	168.00
Hamilton Fish (outdoor).....	25,938	166.33
Hudson.....	12,639	161.50
Jasper Oval.....	12,437	63.00
Ryan.....	3,294	63.00
St. Gabriel's.....	10,463	234.00
Seward.....	32,410	223.99
Thos. Jefferson.....	14,829	159.49
Tompkins Square.....	26,454	170.32
West 59th street.....	4,724	78.00
152d street and Amsterdam avenue.....	1,648	63.00
Field Staff.....	.....	395.00
Executive Staff.....	.....	93.00
	201,205	\$2,862.62



Playground Features. Underwood & Underwood.

WEAVING DANCES ON THE BALL FIELD, CENTRAL PARK.

APRIL, 1912.

Park Playgrounds.	Attendance.	Cost.
Carl Schurz.....	6,733	\$100.99
Chelsea.....	20,405	229.83
Colonial.....	4,179	54.00
Columbus.....	13,425	128.50
Corlears Hook.....	12,112	146.83
De Witt Clinton.....	11,214	173.15
East 17th street.....	4,449	62.65
Five Points.....	34,829	27.32
Hamilton Fish.....	34,539	255.66
Hudson.....	9,132	146.50
Jasper Oval.....	32,920	148.50
Queensboro.....	4,561	61.49
Ryan.....	3,043	59.50
Riverside Oval.....	520	4.50
St. Gabriel's.....	14,534	161.57
Seward.....	41,917	261.48
Thos. Jefferson.....	24,118	207.82
Tompkins Square.....	33,163	272.48
West 59th street.....	5,877	77.50
Yorkville.....	28,443	185.50
152d street and Amsterdam avenue.....	3,510	80.00
Field Staff.....	.....	473.00
Executive Staff.....	.....	90.00
	343,623	\$3,408.77

MAY, 1912

Park Playgrounds.	Attendance.	Cost.
Bennett Field.....	1,300	\$6.75
Carl Schurz.....	10,443	131.66
Central Park (Green).....	30,505	39.50
Central Park (Tennis).....	7,395	83.00
Chelsea.....	30,802	262.50
Cherry and Market streets.....	5,435	91.50
Columbus.....	21,334	161.00
Corlears Hook.....	12,550	187.66
De Witt Clinton.....	20,427	222.00
East 17th street.....	6,274	88.50
Five Points.....	23,548	104.66
Hamilton Fish.....	35,819	284.00
Hudson.....	18,113	180.00
Jasper Oval.....	40,855	174.50
Queensboro.....	5,742	50.00
Reservoir.....	5,500	6.75
Riverside Oval.....	1,753	18.00
Ryan.....	3,697	73.50
St. Gabriel's.....	14,924	195.50
St. Nicholas.....	420	9.00
Seward.....	65,398	309.33
Thos. Jefferson.....	33,213	259.66

MAY, 1912—Continued

Park Playgrounds.	Attendance.	Cost.
Tompkins square.....	37,977	\$306.49
West 59th street.....	9,114	82.50
Yorkville.....	30,044	387.50
152nd street and Amsterdam ave.....	6,445	115.00
Field Staff.....	.....	543.00
Executive Staff.....	.....	93.00
Riverside (96th street).....	650	14.00
	479,677	\$4,480.46

JUNE, 1912

Park Playgrounds.	Attendance.	Cost.
Battery.....	18,402	\$158.00
Bennett Field.....	5,660	86.75
Carl Schurz.....	13,274	189.00
Central Park (Tennis).....	46,055	202.50
Central Park (Green).....	29,000	71.00
Chelsea.....	47,741	384.00
Cherry and Market streets.....	3,557	127.00
Corlears Hook.....	15,341	195.50
Columbus.....	7,680	170.00
Colonial.....	9,240	106.50
De Witt Clinton.....	18,436	261.65
East 17th Street.....	5,596	99.00
Five Points.....	20,423	107.66
Hamilton Fish.....	39,511	311.50
Highbridge.....	13,418	104.66
Hudson.....	15,409	173.00
Jackson square.....	4,005	63.00
Queensboro.....	11,496	121.08
Reservoir Oval.....	8,050	86.50
Riverside Oval.....	7,120	60.00
Riverside Park.....	5,902	148.00
Ryan.....	3,987	81.50
St. Gabriel's.....	15,403	270.00
St. Nicholas.....	5,855	81.50
Seward.....	57,027	310.00
Thos. Jefferson.....	31,900	362.16
Tompkins square.....	40,242	362.49
West 59th street.....	6,430	119.50
Yorkville.....	25,960	377.16
152d street and Amsterdam avenue.....	6,883	136.50
Central Park 99th street.....	1,747	10.00
Jasper Oval.....	52,500	225.50
Yorkville Baths.....	2,199	.....
Field Staff.....	.....	686.83
Executive Staff.....	.....	90.00
	595,449	\$6,339.94

JULY, 1912.

Park Playgrounds.	Attendance.	Cost.
Battery.....	23,854	\$267.33
Bennett Field.....	7,355	87.50
Carl Schurz.....	23,460	220.16
Central Park (Tennis).....	34,139	186.00
Central Park 99th street.....	9,068	54.00
Central Park (Greens).....	10,200	90.00
Chelsea.....	44,010	389.16
Cherry and Market streets.....	8,026	161.00
Corlears Hook.....	18,333	235.33
Columbus.....	11,845	164.50
Colonial.....	18,193	209.50
De Witt Clinton.....	28,935	401.13
East 17th street.....	7,884	108.00
Five Points.....	19,970	116.33
Hamilton Fish.....	48,435	459.50
Highbridge.....	12,555	114.00
Hudson.....	13,090	205.00
Jackson.....	3,982	79.33
Jasper Oval.....	61,350	243.00
Jeannette Park.....	1,770	33.00
Queensboro.....	31,714	283.00
Reservoir.....	11,785	90.00
Riverside Oval.....	12,730	89.50
Riverside (96th street).....	6,201	186.83
Ryan.....	3,960	135.00
St. Gabriel's.....	18,492	298.00
Seward.....	56,165	545.33
St. Nicholas.....	7,079	133.00
Thos. Jefferson.....	41,112	400.49
Tompkins square.....	54,655	555.49
West 59th street.....	10,890	174.00
Yorkville.....	26,935	375.99
152d street and Amsterdam avenue.....	6,311	135.00
Watergate.....	9,934	66.00
Westerleigh, S. I.....	4,194	110.00
Yorkville Baths.....	2,819	.....
Field Staff.....	.....	843.00
Executive Staff.....	.....	45.00
	711,435	\$8,289.40

AUGUST, 1912.

Park Playgrounds.	Attendance.	Cost.
Battery.....	10,592	\$107.00
Bennett Field.....	3,860	49.50
Carl Schurz.....	19,885	170.83
Central Park (Tennis).....	31,705	160.00
Central Park (99th street).....	5,987	30.00
Central Park (Greens).....	28,750	79.50
Chelsea.....	33,406	276.00
Cherry and Market streets.....	5,995	118.50
Clark.....	5,265	41.66
Corlears Hook.....	10,188	151.83
Columbus.....	8,080	133.50
Colonial.....	7,815	103.00
De Witt Clinton.....	20,597	320.83
East 17th street.....	5,270	65.00
Five Points.....	14,410	118.00
Hamilton Fish.....	46,040	408.49
Highbridge.....	6,110	60.00
Hudson.....	6,898	175.00
Jackson square.....	1,840	32.00
Jasper Oval.....	70,475	150.50
Jeannette Park.....	2,210	48.00
Queensboro.....	31,975	176.50
Reservoir.....	10,065	93.00
Riverside Oval.....	4,940	48.00
Riverside Park (96th street).....	4,490	140.66
Ryan.....	2,103	71.00
St. Gabriel's.....	14,659	244.83
Seward.....	43,224	386.33
St. Nicholas.....	3,374	62.00
Thos. Jefferson.....	32,247	301.00
Tompkins sq.....	45,713	445.66
West 59th street.....	8,240	139.50
Yorkville.....	26,248	338.00
152d street and Amsterdam avenue.....	3,497	56.00
Watergate.....	16,015	119.33
Westerleigh, S. I.....	1,757	65.00
Yorkville Baths.....	2,960	.....
Field Staff.....	.....	848.50
Executive Staff.....	.....	84.00
	596,885	\$6,418.45

SEPTEMBER, 1912.

Park Playgrounds.	Attendance.	Cost.
Bennett Field.....	1,360	\$7.50
Carl Schurz.....	7,977	121.50
Central Park (Tennis).....	24,456	93.00
Central Park (Greens).....	5,360	3.00
Cherry and Market streets.....	2,774	92.00
Chelsea.....	41,995	141.00
Clark.....	3,199	34.33
Columbus.....	3,000	84.00
De Witt Clinton.....	14,557	235.16
Five Points.....	6,517	99.00
Hamilton Fish.....	32,661	242.83
Hudson.....	10,431	130.83
Jasper Oval.....	67,995	120.00
Queensboro.....	21,508	121.66
Reservoir.....	3,805	24.50
St. Gabriel's.....	12,202	215.50
Seward.....	33,760	324.50
Thos. Jefferson.....	18,134	206.00
Tompkins square.....	34,028	289.16
Watergate.....	4,812	36.00
West 59th street.....	2,880	110.50
Yorkville.....	19,102	317.00
Yorkville Baths.....	2,142	.....
Executive Staff.....	.....	90.00
Field Staff.....	.....	648.50
	374,655	\$3,789.47

OCTOBER, 1912.

Park Playgrounds.	Attendance.	Cost.
Bennett Field.....	655	\$4.75
Carl Schurz.....	7,624	140.00
Central Park (Tennis).....	14,995	120.00
Central Park (Greens).....	5,275	2.75
Chelsea.....	28,222	219.50
Cherry and Market streets.....	4,628	104.50
Columbus.....	7,529	108.00
De Witt Clinton.....	16,434	187.06
East 17th street.....	2,140	16.00
Five Points.....	9,019	92.00
Hamilton Fish.....	37,368	432.00
Hudson.....	14,316	221.50
Jasper Oval.....	64,325	155.25
Queensboro.....	12,767	178.00
Reservoir.....	1,750	4.75

OCTOBER, 1912—Continued

Park Playgrounds.	Attendance.	Cost.
St. Gabriel's.....	16,074	186.00
Seward.....	42,520	344.00
Thomas Jefferson.....	19,530	250.50
Tompkins square.....	36,709	387.66
West 59th street.....	12,555	107.00
Yorkville.....	22,710	297.00
Yorkville Baths.....	1,841	.....
Hamilton Fish Indoor Gymnasium.....	509	115.50
West 59th street Gymnasium.....	301	84.50
Yorkville Indoor Gymnasium.....	449	35.00
Field Staff.....	.....	627.50
Executive Staff.....	.....	90.00
	380,245	\$4,510.66

NOVEMBER, 1912.

Park Playgrounds.	Attendance.	Cost.
Carl Schurz.....	7,306	\$122.00
Central Park (Tennis).....	8,450	99.00
Central Park (Greens).....	6,375	5.50
Chelsea.....	20,963	213.66
Cherry and Market streets.....	4,756	80.25
Columbus.....	8,082	80.25
De Witt Clinton.....	11,234	180.66
East 17th street.....	6,860	48.33
Five Points.....	8,084	108.50
Hamilton Fish.....	32,732	269.91
Hamilton Fish Indoor Gymnasium.....	3,621	187.00
Hudson.....	11,380	169.25
Jasper Oval.....	43,005	100.50
Queensboro.....	9,502	117.25
St. Gabriel's.....	14,032	189.66
Seward.....	51,410	325.25
Thos. Jefferson.....	13,573	251.24
Tompkins Square.....	29,554	310.24
West 59th street.....	8,936	93.00
West 59th Street Indoor Gymnasium.....	3,682	176.83
Yorkville.....	15,506	311.00
Yorkville Baths.....	1,103	.....
Field Staff.....	.....	548.00
Executive Staff.....	.....	90.00
	320,691	\$4,098.94

DECEMBER, 1912.

Park Playgrounds.	Attendance.	Cost.
Carl Schurz.....	4,924	\$109.50
Central Park (tennis).....	1,580	20.25
Central Park (greens).....	1,855	.....
Cherry and Market streets.....	6,191	81.00
Chelsea.....	20,740	205.00
Columbus.....	7,549	81.00
De Witt Clinton.....	8,131	177.00
East 17th street.....	4,893	64.00
Five Points.....	5,961	101.00
Hamilton Fish.....	26,457	259.50
Hudson.....	6,479	125.00
Jasper Oval.....	40,328	111.00
Queensboro.....	2,640	84.00
St. Gabriel's.....	9,577	200.00
Seward.....	45,920	317.50
Thos. Jefferson.....	8,829	196.50
Tompkins Square.....	24,315	293.50
Yorkville.....	12,178	290.50
West 59th street.....	5,836	99.00
Hamilton Fish Gymnasium.....	4,186	117.00
West 59th Street Gymnasium.....	2,681	114.33
Yorkville Gymnasium.....	175	4.00
Yorkville Baths.....	637	.....
Field Staff.....	.....	548.75
Executive Staff.....	.....	90.00
	252,062	\$3,689.33

TOTAL ATTENDANCE, 1912, 4,784,448.

TOTAL COST, \$56,986.20.

PARK PLAYGROUNDS AND LOCATIONS.

Battery.....	Battery place and State street.
Bennett Field.....	184th street and Broadway.
Carl Schurz.....	86th street and East River.
Central Park (North Meadow).	Entrance 100th street and 8th avenue, 99th street and 5th avenue,
Central Park (South Meadow).	“ “ “ “ “ “
Central Park (Sheep Fold)...	66th street and West Side Drive.
Central Park (East Green)...	70th street and East Side Drive.
Central Park (99th street).....	Entrance on Fifth avenue.
Chelsea.....	28th street and 10th avenue.
Colonial.....	150th street and Bradhurst avenue.
Columbus.....	Baxter and Worth streets.
Cherry and Market.....	Cherry and Market streets.
Corlears Hook.....	Corlears Hook and Jackson street.
Clark.....	174th street and Fort Washington avenue.
De Witt Clinton.....	53d street and 11th avenue.
East 17th street.....	17th street and East River.

PARK PLAYGROUNDS AND LOCATIONS.

Hamilton Fish.....	Houston and Pitt streets.
Highbridge.....	170th street and Amsterdam avenue.
Hudson.....	Clarkson and Hudson streets.
Jackson Square.....	Horatio street and Eighth avenue.
Jasper Oval.....	137th street and Convent avenue.
Jeannette.....	Coenties Slip.
Reservoir.....	174th street and Amsterdam avenue.
Riverside.....	96th street and Riverside Drive.
Riverside Oval.....	77th street and Riverside Drive.
Ryan.....	42d street and Pleasant place.
St. Gabriel's.....	35th street and Second avenue.
St. Nicholas.....	133d street and St. Nicholas avenue.
Seward.....	Canal and Jefferson streets.
Thomas Jefferson.....	114th street and Pleasant avenue.
Tompkins Square.....	10th street and Avenue A.
West 59th Street.....	Between 10th and 11th avenues.
Westerleigh.....	Maine avenue and Jewett street, Westerleigh, S. I.
Yorkville.....	101st street between Second and Third avenues.
152d Street.....	152d street and Amsterdam avenue.
Five Points.....	Baxter and Worth streets.
Queensboro.....	Foot of East 59th street.
Watergate.....	134th street and Convent avenue.
Fort Washington.....	175th street and Fort Washington avenue.
John Jay.....	77th street and East River.

INDOOR GYMNASIUMS.

Hamilton Fish.....	Houston and Pitt streets.
West 59th street.....	Between 10th and 11th avenues.

NEW PARK PLAYGROUNDS OPENED DURING 1912.

Yorkville.....	101st Street bet. Second and Third avenues	April 13th, 1912.
Queensboro (Girls').....	Foot of East 59th Street.....	April 1st, 1912.
Five Points.....	Baxter and Worth streets.....	April 20th, 1912.
Cherry and Market.....	Cherry and Market streets.....	May 18th, 1912.
Queensboro Stadium.....	Foot of East 59th Street.....	July 4th, 1912.
Watergate.....	134th street and Convent avenue.....	July 19th, 1912.
Jeannette.....	Coenties slip.....	July 20th, 1912.
Clark.....	174th street and Fort Washington avenue..	Aug. 29th, 1912.
West 59th Street Indoor Gymnasium.....	Between 10th and 11th avenues.....	Oct. 26th, 1912.

NOTABLE EVENTS.

Girls' Festivals, Games, Drills, Etc.

1912.		Park Playgrounds.
February 22.....	Colonial Dance and Reception.....	Hamilton Fish.
March 16.....	St. Patrick's Day Party.....	Hudson.
April 1.....	Dancing and Games, Opening of.....	Queensboro.
April 13.....	Festival and Games, Opening of.....	Yorkville.
April 20.....	Dancing and Games, Opening of.....	Five Points.
April 28.....	Unveiling of Tablet and Planting of Japanese Cherry Trees.....	Riverside Drive.
May 25.....	May Dance.....	Hamilton Fish.
May 25.....	May Dance and Festival.....	E. 17th Street.

NOTABLE EVENTS

Girl's Festivals, Games, Drills, Etc.

May 30.....	May Carnival.....	De Witt Clinton.
May 31.....	May Festival.....	St. Gabriel's.
June 1.....	Rose Party.....	Seward.
June 1.....	June Festival.....	Ryan.
June 8.....	June Festival.....	Hudson.
June 15.....	June Festival.....	Thomas Jefferson.
June 15.....	Flower Festival.....	Tompkins square.
June 25.....	June Festival.....	Chelsea.
June 25.....	June Rose Festival.....	Yorkville.
June 25.....	June Walk.....	152d street.
June 29.....	June Festival.....	Carl Schurz.
July 19.....	Dancing & Games, Opening of.....	Watergate.
August 3.....	Pageant "In Search of Fairyland".....	Central Park.
August 24.....	Reception to Olympic Athletes.....	City Hall.
August 29.....	Festival and Games, Opening of.....	Clark.
September 4.....	Summer Festival.....	Thomas Jefferson.
September 7.....	Summer Festival.....	Hudson.
September 7.....	Summer Festival.....	Seward.
September 7.....	Summer Festival.....	St. Gabriel's.
September 14.....	Girls' Athletic Meet.....	Tompkins square.
September 14.....	Girls' Athletic Meet.....	Yorkville.
September 28.....	Folk Dancing, Speeches, Etc.....	Isham Park.
October 26.....	Folk Dancing and Gymnastics, Opening of...	West 59th street In- door Gymnasium.
October 30.....	Hallowe'en Party.....	Hamilton Fish.
October 30.....	Hallowe'en Party.....	Tompkins square.
October 31.....	Hallowe'en Party.....	De Witt Clinton.
October 31.....	Hallowe'en Party.....	Chelsea.
October 31.....	Hallowe'en Party.....	Hudson.
October 31.....	Hallowe'en Party.....	Thomas Jefferson.
October 31.....	Hallowe'en Party.....	Seward.
November 1.....	Hallowe'en Party.....	Yorkville (Indoors).
November 2.....	Hallowe'en Party.....	East 17th street.
November 2.....	Hallowe'en Party.....	Five Points.
November 2.....	Hallowe'en Party.....	St. Gabriel's.
November 2.....	Hallowe'en Party.....	Queensboro.
November 27.....	Thanksgiving Party.....	De Witt Clinton.
November 28.....	Thanksgiving Party.....	Yorkville.
November 30.....	Harvest Festival.....	Hamilton Fish.
November 30.....	Thanksgiving Party.....	Hudson.
November 30.....	Thanksgiving Party.....	Carl Schurz.
November 30.....	Thanksgiving Party.....	Yorkville (Indoors).
December 27.....	Matinee Playground Carnival and Barn Dance	Amsterdam Opera House.

Boys' Athletics, Baseball, Basketball, Football Tournaments, Etc.

1912.

Jan. and Feb....	Skating on Four Lakes.....	
Mar 16 to Apr. 10	Basketball Tournament.....	300 teams.
April 13.....	Athletic Meet and Gymnastic Exhibition....	Opening of Yorkville.
April 20.....	Basketball Contest (Columbus vs. Seward)...	Columbus.
May 3.....	Mail Marathon Race.....	
May 18.....	Athletics, Basketball and Baseball Games....	Opening of Cherry and Market.
May 30.....	Athletic Carnival.....	De Witt Clinton.
July 4.....	Safe and Sane Celebration.....	10,000 entries.
July 4.....	Grand Athletic Carnival.....	Opening of Queensboro.
July 24 to Sept 8.	Baseball Tournament.....	600 teams.
August 3.....	Pageant "In Search of Fairyland".....	5,000 children, 30,000 spectators (Central Park).
October 26.....	Athletics, Basketball Match.....	Opening of W. 59th Street Indoor Gymnasium.
December 27....	Matinee Playground Carnival.....	Amsterdam Opera House.

PERMITS ISSUED AND GAMES PLAYED, DURING 1912.

Tennis.....	2,000
Baseball.....	1,035
Athletics.....	125
May Parties.....	500
Football.....	600
Basketball.....	1,100



Playground Features. Underwood & Underwood.

MEETING OF THE INDIANS AND THE DUTCH.

CENTRAL PARK.

PAVING WHERE REQUIRED WITH BITUMINOUS PAVEMENT PORTIONS OF THE WEST

DRIVE IN CENTRAL PARK.

When the Central Park drives were constructed, after the necessary work of excavation and filling had been performed, a foundation was laid, in some cases rubble, and, in others, telford. This foundation varied in depth from 8 to 12 inches. Upon this, a layer of broken stone, known as 1½ or 2 inches, was spread and rolled to proper crown. This formed the subgrade for the gravel superstructure. This gravel superstructure was laid in two or three courses or layers. Each layer was rolled in the customary manner before the new one was applied. The total depth was six inches.

Continuous repairs were made on these roadways for many years, by scarifying the surface, removing the mud and depositing and rolling on the existing roadway, a layer of new gravel, varying in depth from one to four inches and in some cases, even more was applied.

These continued repairs or building up of the road, naturally raised the crowns of the drives and made the driving on what is known as the quarters, prohibitive, owing to the steepness from the quarter to the gutter.

Gravel as a park roadway without some surfacing material, does not seem to withstand the automobile traffic. Urgent request was made for an appropriation, covering the expense of laying a new bituminous pavement on the West Drive of Central Park and after repeated efforts one hundred thousand dollars was appropriated.

Sample pavements, showing various kinds of wearing material, were laid, and, after carefully considering the merits of the same, it was decided to use a rock asphalt sand mixture for a wearing surface, to be laid on a concrete foundation.

The work was advertised and the Sicilian Asphalt Paving Company were the successful bidders.

Work was begun on the West Drive, in the vicinity of 67th street and continued north to the Junction Drive at 102nd street.

The contract also included the paving of the Entrance Drive, leading south from 72d street and the 77th street, the 81st street, the 96th street and the 100th street entrance drives.

The pavement is under a five-year guarantee.

The work was begun June 17, 1912, and completed on October 22, 1912.

The work done follows:

12,809 cubic yards of excavation of all kinds,
6,921 cubic yards of concrete in foundation for wearing surface,
49,832 square yards of bituminous wearing surface laid.

PAVEMENT OF ROADWAY OVER TERRACE BRIDGE.

The roof of the Terrace Bridge is of a light construction and owing to this fact, it was not deemed advisable to lay a bituminous pavement of the character used on the West Drive, in place of the existing gravel roadway, as this style of pavement

would have to be rolled with a 10-ton roller. It was not a question of failure of structure but of the possibility of loosening bolts and rivets through the jar of rolling.

In order to remedy the muddy condition of this roadway, it was deemed advisable to excavate the gravel roadway to a proper subgrade and crown and to lay thereon an asphalt block pavement as the same can be laid without the use of a roller. The old gravel superstructure was removed and the concrete foundation laid by the Park Department force. Upon the same the block pavement was laid under contract. The roadway is now in good condition.

The amount of work done follows:

190 cubic yards of excavation and removal of same,
95 cubic yards of concrete foundation for asphalt block pavement laid,
760 square yards of 2-inch asphalt block pavement laid.

LAYING WATER MAINS, ETC., IN VARIOUS PLACES, AS REQUIRED.

The work of installing the new cast-iron water mains with wrought iron branches, the setting of road hydrants, drinking hydrants, fire hydrants, street washers, etc., to take the place of the cement pipe laid over fifty years ago, and to furnish water for irrigating purposes, in sections where mains had never been installed, was continued during the year 1912, an appropriation of forty thousand dollars having been made available.

The areas covered by contract were the sections of park, from 110th street and Sixth avenue along the West Drive to the main at the Cross Drive, 102nd street, laid in 1909, branches at 100th street, west side, a new supply around Conservatory Lake and territory between 78th and 72nd streets, and additional supply on the west side of the park, between 72nd and 79th streets.

The installation of the system, between 110th street and Lenox avenue and 100th street and Central Park West, was recommended at the close of the year 1909 and a circuit is now provided for in case of a break in any section of the service.

In performing the work under the contract, great care had to be exercised in determining the lines, etc., in order that the shrubbery, trees, rock features, and general landscape would not be disturbed.

In concluding, you are advised that through the laying of the mains and appurtenances in the sections described, the waste of water has been avoided and a plentiful supply is at hand for irrigating and other purposes.

The amount of work done follows:

140 tons of straight cast-iron pipe furnished and delivered,
10 tons of cast-iron branches and special castings furnished and delivered,
5,069 linear feet of 4-inch cast-iron pipe laid,
4,918 linear feet of 6-inch cast-iron pipe laid,
6,830 linear feet of 2½-inch galvanized wrought iron pipe, furnished and laid,
18 4-inch stop-cocks furnished and set in brick basin,
7 6-inch stop-cocks furnished and set in brick basin,
105 2½-inch stop-cocks furnished and set in cast-iron boxes,
53 street washers furnished and set,
14 drinking hydrants furnished and set,
21 flush hydrants furnished and set,
2 fire hydrants furnished and set,
923 cubic yards of mold furnished and deposited,
23,182 square feet of sod furnished and laid,
17 cubic yards of concrete furnished and deposited,
5,605 cubic yards of excavation,
5,605 cubic yards of backfilling.

LAYING WATER MAINS AND APPURTENANCES FOR THE NEW COMFORT STATION, WEST OF THE OLD RESERVOIR.

A new Comfort Station was erected adjacent to the westerly wall of the old reservoir, in the vicinity of 81st street.

In order to obtain a water supply for the same, it was necessary to lay a main from the high pressure system in the vicinity of Central Park West and 86th street to the Comfort Station. It was deemed advisable to utilize this main to supply service for the higher areas of the park, between Central Park West and the Reservoir, and, for this reason, stop-cocks were set and branches were installed which could be connected with.

Great care had to be exercised in determining the locations of the line owing to the topography and general surroundings.

The work done follows:

- 11 tons of straight cast-iron pipe furnished and delivered,
- $\frac{3}{4}$ ton of special castings furnished and delivered,
- 980 linear feet of 4-inch cast-iron pipe laid,
- 450 linear feet of $2\frac{1}{2}$ -inch galvanized wrought iron pipe, furnished and laid,
- 2 4-inch stop-cocks furnished and set in brick vaults,
- 9 $2\frac{1}{2}$ -inch stop-cocks furnished and set in cast-iron boxes,
- 124 cubic yards of mold furnished and deposited,
- 3,355 square feet of sod furnished and laid,
- 1.67 cubic yards of concrete, furnished and deposited,
- 119 cubic yards of excavation,
- 119 cubic yards of backfilling.

LAYING WATER MAINS AND APPURTENANCES ADJACENT TO THE LOWER POND AND ALSO WESTERLY FROM THE TERRACE BRIDGE.

No means whatever had been provided in the original construction of the park for an irrigating system for the territory known as the Promontory, and, in fact, the entire section, between the main walk north of the pond and the pond and east of the middle drive.

Vegetation suffered considerably as it was practically impossible to haul water up the rock slopes.

A new system was installed from the Center Drive system, to, and over the Promontory Hill. Street washers were set and drinking fountains provided. It is now possible to water the lawns from this supply and benefit vegetation in general.

The same might be said about the section west of the Bethesda Fountain, between the Cross Drive and the Lake. A new water supply system was installed in this section with the necessary appurtenances, such as stop-cocks, street washers, etc.

A drinking fountain was set near the summer picnic lawn and the same was well patronized during the season.

The actual work done follows:

- 25 tons of straight cast-iron pipe, furnished and delivered,
- 2.29 tons of cast-iron branches furnished and delivered,
- 2,203 linear feet of 4-inch cast-iron pipe laid,
- 1,311 linear feet of $2\frac{1}{2}$ -inch galvanized wrought iron pipe, furnished and laid,
- 5 4-inch stop-cocks furnished and set, in brick vaults,
- 21 $2\frac{1}{2}$ -inch stop-cocks furnished and set, in cast-iron boxes,
- 11 street washers, furnished and set,
- 2 drinking hydrants, furnished and set,
- 1 flush hydrant, furnished and set.

310 cubic yards of mold, furnished and deposited,
 7,526 square feet of sod, furnished and laid,
 6 cubic yards of concrete, furnished and deposited,
 293 cubic yards of excavation,
 293 cubic yards of backfilling.

REPAIRS TO WATER MAIN AT 79TH STREET.

Some years ago several breaks occurred in the connecting pipe, between the City service in 79th Street Transverse Road near the West Drive and the park supply at that location and the supply had to be shut off at the Transverse Road. This necessitated taking the supply from the east side of the park at 59th street. A small balance was found available with which to make these repairs.

The entire pipe lines were taken up and new service laid and the water turned on and the west side circuit is now fed from this city supply, thereby increasing the pressure considerably on both lines.

The work done follows:

121 cubic yards of excavation,
 8.75 cubic yards of concrete furnished and deposited,
 38 linear feet of 12-inch cast-iron pipe furnished and laid,
 51 linear feet of 10-inch cast-iron pipe furnished and laid,
 1 10-inch stop-cock furnished and set,
 1 brick manhole built complete.

CONSTRUCTING A DRAINAGE SYSTEM FROM THE TERRACE BRIDGE TO THE CITY SEWER NEAR THE BOAT HOUSE.

On January 4th, work was begun on the contract for constructing a pipe-sewer from the Terrace Bridge to the Boat House.

For many years, the drainage from the slop sinks and toilets under the Terrace Bridge was discharged through an old drain into the park lake.

A small appropriation was made available to rectify these conditions.

An 8-inch pipe encased in concrete was laid along the shores of the lake at a depth varying from three to twenty feet below the present surface.

Through the construction of this drain, the conditions have become sanitary.

The work done follows:

700 linear feet of 8-inch pipe sewer in concrete casing laid,
 100 cubic yards of rock excavation,
 525 cubic yards of earth excavation,
 6 manholes built complete,
 1,250 square feet of new sod laid,
 1,000 square feet of asphalt walk restored,
 10 cubic yards of concrete for walk foundation laid.

PIPE-SEWER, &C., FROM NEW COMFORT STATION, WEST OF RESERVOIR.

In order to provide a drainage for the New Comfort Station, adjacent to the Old Reservoir, in the vicinity of West 81st street, it was found necessary to construct a pipe-sewer from the New Comfort Station to the drain in the vicinity of the Swedish School House, which drain was laid many years ago.

The work done follows:

363 linear feet of 8-inch vitrified drain pipe with concrete casing furnished and laid,

3 manholes built complete,
 40.31 cubic yards of mold furnished and deposited,
 1,102 square feet of sod furnished and laid,
 230 cubic yards of excavation,
 230 cubic yards of backfilling.

IMPROVEMENT OF TENNIS GROUNDS, SOUTH MEADOW.

Owing to the fact that the North Meadow upon which a considerable number of tennis courts were laid out, was plowed up and seeded down, the use of the same for tennis playing was prohibited. Temporary accommodations were afforded the public on the lawn between 97th and 102nd streets, Fifth avenue and the East Drive, and additional courts were laid out on the South Green or Meadow, between the Reservoir and 97th Street Transverse Road and east of the West Drive.

After fully considering the cheapest way to construct what is known as dirt courts on the South Meadow, it was determined, inasmuch as the ground was very irregular and in some cases spongy, to put a covering of material over the lawn, carrying the finished surface to the minimum grade for drainage purposes, in order that the courts might be constructed as nearly level as possible.

The old gravel which was excavated from the West Drive was carted to the site of the work, spread in layers and rolled. Water in sufficient quantities was used while the rolling was in progress to thoroughly compact the same. New drains and basins were built to take care of the surface drainage.

The work has progressed to practical completion, that is, as to the greater part of the territory.

Some material will have to be deposited west of what is known as the center line in order to bring the surface to grade. It is the intention to cover this gravel area with more surfacing material and when this is completed, the courts will be laid out, and it is safe to say that they will be perfect, as nearly as possible.

The work done follows:

5,000 cubic yards of gravel spread, rolled and compacted,
 2 manholes to act as surface basins, built complete,
 150 linear feet of drain pipe laid.

REPAIRS TO WALK PAVEMENTS IN CENTRAL AND CITY PARKS.

The walk pavements of the Central and City Parks, where defective and dangerous to traffic, were repaired, as far as the limited appropriation at hand would permit.

Certain sections were found to be beyond repair and an entirely new section of pavement was laid.

The total amount of work done follows:

Thirteen thousand eight hundred and fifty-six square feet of rock asphalt mastic wearing surface laid, 101 cubic yards of concrete in foundation, and 18 cubic yards of broken stone as subfoundation.

REPAIRS TO ROADWAY PAVEMENTS OF STREETS AND AVENUES, UNDER THE JURISDICTION OF THIS DEPARTMENT.

The pavements of roadways, plazas, streets and public places, under the jurisdiction of this department, were kept in proper repair during the year.

The total amount of work done follows:

Four thousand seven hundred and forty-seven square yards of sheet asphalt pavement laid, 1,000 square yards of asphalt block roadway pavement laid, 120.25 square

yards of wood block pavement laid, 30.15 cubic yards of concrete laid as a foundation for pavement.

PUBLIC DRIVEWAY.

(Harlem River Driveway.)

CONTRACT FOR CONSTRUCTING A CONCRETE BULKHEAD ALONG CERTAIN PARTS OF THE HARLEM RIVER DRIVEWAY.

Work on the construction of the Harlem River Driveway was begun in 1894 and completed in 1897. The driveway runs along the river front of the Harlem River, from 155th street to Dyckman street, and its easterly line is built on the channel line as defined or laid out by the United States Government.

In examining the bulkhead facing the river, it was found that the part built of stone in the shape of a retaining wall remained in good condition, with the exception of a small stretch, about 300 feet in length, which had settled slightly, but could be brought to grade.

The wooden bulkhead—the total length of which, as the same is built in sections, is 6,100 linear feet—the greater part of this above mean low water was decayed or rotted considerably. The dovetails or tenons of the crib logs had rotted to the extent that the facework had bulged and pulled away from the same, and, consequently, the bond between the facework and the crib was broken.

This wooden bulkhead was found to be beyond repair, and the advisability of constructing a permanent structure was taken up, and, after careful study, a reinforced concrete cellular construction was decided on.

Plans were prepared and an appropriation of one hundred and ten thousand dollars was made by the Board of Estimate, covering the erection of this concrete bulkhead to take the place of the sections which had failed.

Since the time work was begun on this contract other sections have failed and it is to be hoped that the Board of Estimate will grant a further appropriation with which to repair these sections, or authorize the expenditure of an amount sufficient to cover the erection of a reinforced concrete bulkhead for the entire length of the existing wooden one, which, in time, will fail.

In executing the work in the present contract for constructing the reinforced concrete bulkhead it is the intention to remove the existing facework, crib logs, etc., in fact, the entire construction, to mean low water line and somewhat below the same, to strengthen the crib foundations where necessary, and to lay a concrete footing course over the entire foundation and to build thereon the cellular construction of reinforced concrete, finishing the same with a granite coping and an iron railing, to relay a footpath or sidewalk of asphalt on concrete base, to reset the curbs to proper grade and to reconstruct the roadway.

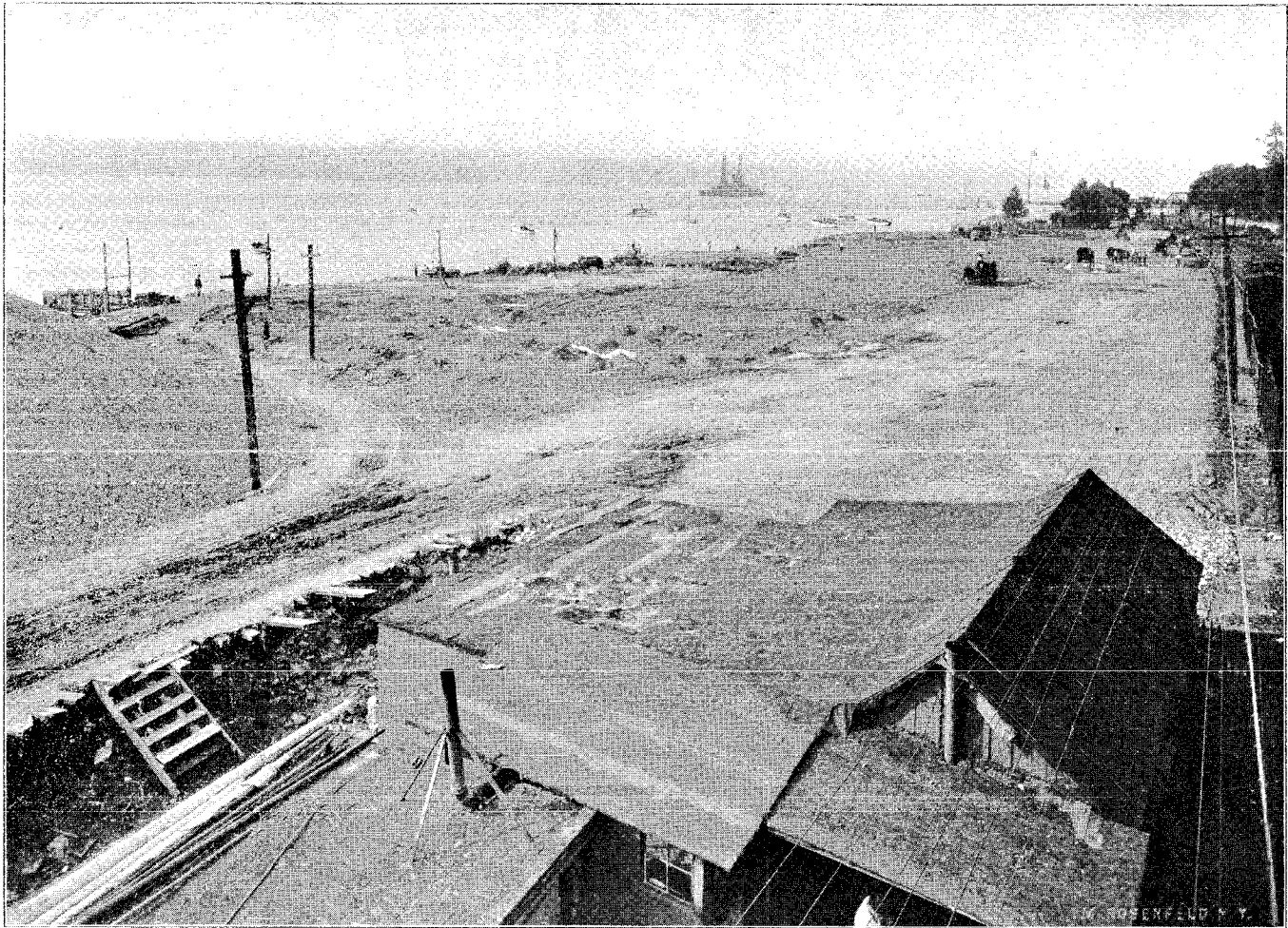
Up to date 608 linear feet of bulkhead have been constructed, some in part, some complete to granite coping grade.

The work done follows:

- 10,000 cubic yards of crib excavation,
- 4,165 cubic yards of excavation back of crib,
- 1,570 cubic yards of Class "A" concrete,
- 2,270 cubic yards of Class "B" concrete,
- 162 cubic yards of Class "C" concrete
- 8 cubic yards of Class "D" concrete,
- 1,320 cubic yards of dry rubble wall as backfilling.
- 2,190 cubic yards of earth as backfilling,
- 500 cubic yards of steam cinders as backfilling,
- 300 linear feet of curb redressed, rejointed and reset.



MAKING PARK LAND ON RIVER FRONT, 80TH TO 85TH STREETS, NORTH RIVER (BEFORE).



PARK PROPERTY ACQUIRED WITHOUT COST TO THE CITY (AFTER).

It might be of interest to know that in reporting on the general conditions of the wooden bulkhead and the proposed construction of permanent structure, the engineers, after having given the matter careful study as to the points involved and the problem in general, had decided upon a scheme of a cellular reinforced concrete construction as the most practical solution of an economical permanent structure, which will not bring upon the foundation cribs a pressure per square foot in excess of the present crib walls.

It was, therefore, determined, and so recommended, that these cellular walls be built upon the existing crib foundations, beginning a little below low water, inasmuch as they were found to be solid, and it was deemed sound engineering judgment that these bottom cribs had reached their ultimate settlement and that they would sustain any structure which was of even weight or lighter than the one originally in place.

SEVENTH AVENUE PARKS.

BETWEEN 110TH AND 153D STREETS.

When the Highways Department considered the matter of improving and paving Seventh avenue with a modern pavement, from 110th street north to 153d street, it was deemed advisable, in order to divide traffic and for artistic reasons, to set aside a ten-foot wide strip in the center of the avenue, the same to be improved as small park plots.

The surrounding curbs were set by the Highways Department and the filling deposited in the plots to a grade level with the top of the curb. These plots were turned over to the care and maintenance of the Park Department in 1911 and an appropriation was made available covering the work of improving the same.

This improvement consisted of the regulating and grading of the plots, paving with cement pavement the ends of the same, the installation of a water supply system, and the erection of ornamental iron railings enclosing the plots.

Some of these plots are to be converted into playgrounds for small children and others are to be treated as parks. This work will be prosecuted in the early part of 1913.

Three contracts were executed during the year. Of these, the one covering the paving of the ends of the parks with a granolithic pavement and setting an iron band around the corner curbs was prosecuted to completion.

The work on the other two contracts, to wit, the water supply and ornamental fences, was prosecuted during the year and will be finished in the early part of 1913.

The work done on the three contracts follows:

CONTRACT—PAVING, ETC., THE ENDS OF THE PARKS.

250 cubic yards of excavation of all kinds,
 101 linear feet of straight 5-inch curb, furnished and set,
 118 linear feet of circular 5-inch curb, furnished and set,
 1,488 linear feet of curb rabbeted for iron bands,
 1,488 linear feet of iron bands, furnished and set,
 8,308 square feet of cement walk with concrete base and rubblestone foundation laid.
 The work on this contract was completed on November 16.

CONTRACT—FURNISHING AND INSTALLING A WATER SUPPLY SYSTEM.

500 cubic yards of excavation of all kinds,
 1,600 linear feet of 1½-inch galvanized wrought iron pipe laid,
 40 street washers set,
 40 stop-cocks set,
 10 drinking hydrants partially built,
 450 linear feet of 6-inch vitrified drain pipe laid,
 42 connections with Croton mains made,
 130 square yards of asphalt block pavement restored.

CONTRACT—ERECTING ORNAMENTAL IRON FENCES SURROUNDING PLOTS.

This work is under the supervision of the Architect of this department.

JOHN JAY PARK.

FURNISHING AND SETTING CURBSTONES, ETC., ON THE NEW STREET ALONG THE
 WESTERLY BOUNDARY OF JOHN JAY PARK.

Title to the parcels of land, bounded by 76th street on the south, 78th street on the north, Exterior street on the east, and a line drawn parallel to First avenue, 299 feet +, east of Exterior street house line on 78th street, and 272 feet east of Exterior street house line on 76th street, known as John Jay Park, was vested in the City several years ago.

Seventy-seventh street legally opened cut this park, practically speaking, in two, making it useless for park purposes, as 77th street would have to be bridged over so that people might have access from one park to the other.

Action was taken in the matter of closing 77th street and, finally, a resolution permitting this to be done was passed by the proper authorities and became a law.

In order that 77th street should not become what is known as a dead end street at John Jay Park line the Park Department sacrificed a strip of land along the westerly side of the park forty feet wide, an area equivalent to that gained for park purposes by the closing of 77th street.

This new street was regulated and graded, bluestone curbs were set, sidewalks were paved, proper drainage systems installed, basins built, and a bituminous pavement on concrete foundation was laid.

Through the closing of 77th street a better design and one more suited to the location could be prepared.

The work done follows:

295 cubic yards of excavation of all kinds,
 295 cubic yards of filling deposited in place,
 751 linear feet of new curbstones furnished and set,
 2,648 square feet of granolithic walk pavement constructed,
 3 receiving basins built complete,
 51 linear feet of 12-inch drain pipe, furnished and laid,
 189 cubic yards of Portland cement concrete, furnished and laid in roadway foundation,
 1,362 square yards of asphalt concrete roadway wearing surface furnished and laid.

IMPROVEMENT OF SAME.

As stated in my report for 1911, the work on the contract for regulating and grading and removing earth and rock from John Jay Park, to bring the same to the established subgrade, was completed in September of that year.

This park is located between 76th and 78th street, and fronts on the East River. The original grade of this park was fixed, but it was deemed advisable to lower the same in order to save expensive wall construction.

A new plan was prepared in 1911 covering the construction of a park with playground features and wide walks. The entire park is to be surrounded by a retaining wall and a picket fence is to be erected on the same.

Through the closing of 77th street, as the same passes through park territory, a better opportunity was afforded the Landscape Architect to prepare plans embodying all the features required for a modern playground construction.

Two playgrounds are provided for, and these are separated by a wide walk heavily planted with trees, leading from the easterly boundary of the park to the westerly boundary and forming, as it were, an entrance walk to the recreation house, which is to be erected.

The entire easterly walk is kept at a grade of about fourteen feet above Exterior street sidewalk.

This esplanade walk is also heavily planted with trees.

A water supply and drainage system has been provided for.

The playgrounds are to be enclosed with a picket fence and the lawns between the tree spaces and the wall are to be sodded.

Minor details might be mentioned, but these will be embodied in my report for 1913, or upon completion of the work.

I might state that the work has progressed in a manner to guarantee the opening of the park for public use on or about June, 1913.

The work done follows:

- 1,000 cubic yards of excavation of all kinds for retaining walls,
- 2,500 cubic yards of excavation of all kinds except retaining walls,
- 1,300 cubic yards retaining wall masonry built,
- 4 walk basins built to top of brickwork,
- 1 surface basin built to top of brickwork,
- 30 linear feet of 8-inch vitrified drain pipe furnished and laid,
- 24,000 square feet of rubblestone foundation laid for gravel walks.
- 1,108 cubic yards of 2-inch broken stone delivered on playground,
- 1,200 linear feet of tile drain pipe furnished and laid in playground,
- 1 Smith connection 2 by 12 inches,
- 1 2½-inch stop-cock and cast-iron box,
- 50 linear feet of 2½-inch galvanized wrought iron pipe, furnished and laid,
- 350 cubic yards of mold furnished and delivered.

PLAYGROUND UNDER QUEENSBORO BRIDGE.

In my annual report of 1911 the location and work to be done on this playground was fully reported. It might be well, however, to touch on the subject briefly.

The space under the Queensboro Bridge, bounded on the east by Sutton Place, on the south by 59th street, on the north by 60th street, and on the west by practically the bridge abutment sidewalk, was turned over to the Park Department with the request that the same be converted into a playground.

In September of 1911 a contract was entered into and a large force of men prosecuted work on the same. The feature of this playground is the construction of the tiers of cement seats.

At the close of 1911 the work on construction was suspended, owing to unfavorable weather conditions. It was resumed in the early part of 1912 and prosecuted to completion on July 2.

The work done follows:

- 250 cubic yards of excavation of all kinds,
- 28 cubic yards of rubble masonry retaining wall built,
- 202 cubic yards of concrete walls, seats and gutters constructed,
- 7 linear feet of 10-inch vitrified drain pipe laid,
- 1,850 linear feet of 3-inch tile drain laid,
- 1,250 linear feet of 4-inch tile drain laid,
- 200 cubic yards of broken stone in place,
- 372 cubic yards of fine gravel spread in place and rolled,
- 186 cubic yards of steam cinders mixed with above mentioned gravel, spread and rolled,
- 2 surface basins built complete,
- 62 linear feet of cement curb constructed,
- 5,892 square feet of cement sidewalk laid,
- 17 square yards of asphalt block gutters laid,
- 872 linear feet of wrought iron picket fence, erected fully complete and painted.

CONSTRUCTION OF TEN-LAP RUNNING TRACK.

Upon completion of the work of constructing the playground between 59th and 60th streets, under the Queensboro Bridge, a ten-lap running track was laid out.

In order to properly define the outline of same 44 marble posts, 8 inches square and about 2 feet deep, were set along the margins of the track at intervals of 12 inches. These posts were set upon a concrete foundation.

PLAYGROUND IN 101ST STREET.

BETWEEN SECOND AND THIRD AVENUES.

As stated in my previous report, the work in connection with the construction and improvement of this playground was practically completed during 1911.

Inasmuch as the work was not accepted until 1912, it was necessary for the contractor to make certain repairs to the railings, reroll the playground, and place the ground, generally, in shape for acceptance.

COLONIAL PARK.

FURNISHING AND ERECTING THREE-RAIL PIPE FENCES.

When Colonial Park, north of 150th street, was constructed, owing to the lack of funds, the pipe rail fences with cresting were omitted in the contract.

Pedestrians made a practice of running down the steep slopes, thereby destroying the sod and shrubbery.

In order to prevent this and to safeguard the City against damage suits owing to accidents which might occur, a contract was entered into covering the erection of pipe rail fences with cresting along the upper edge of the high slopes and the side of the steps leading from the lower walk to the upper part of the park, and this office is pleased to report that since the completion of the work the public has practically abandoned the use of these slopes.

The amount of work done follows: 1,700 linear feet of three-rail pipe fences, with cresting erected and painted.

PIPE-RAIL FENCES IN CITY PARKS.

In order to better protect the lawns in Washington, Madison and Union Squares, a contract for "Furnishing and Erecting Three Rail Pipe Fences" was executed, and work was begun during the summer.

Owing to a mistake made in the castings, work was suspended, and was not again resumed until the late fall.

Up to the end of the year all the fence required for Washington Square, amounting to 5,900 linear feet, was erected, but not painted.

No work was done on either of the other two parks. The materials are at hand, and the work of erecting the same will be resumed in the early spring.

The engineering force was employed during the year on the laying out and supervision of the various contracts described in my report, and, in addition thereto, on the preparation of surveys, specifications, estimates of cost for new and contemplated work, and the measurement of all supplies purchased on contract or order, for the Boroughs of Manhattan and Richmond, as well as the tabulation of all bids received for the various boroughs, on contracts and supplies.

I transmit a list, showing this work, in addition to the work necessary on contracts, etc.

SPECIFICATIONS.

Specifications were prepared during the year as follows:

Several different specifications for "Paving the Drives of Central Park," one of which was finally adopted.

"For Furnishing and Laying Water Mains and Appurtenances, adjacent to the Lower Pond, and also westerly from the Terrace Bridge, in Central Park."

"For Furnishing and Installing a Water Supply System for the Park Plots along the Center of Seventh Avenue, between 110th and 153d Streets."

"For Furnishing and Setting Curbstones and Paving with Portland Cement Pavement the Ends of the Park Plots, in Seventh Avenue, between 110th and 153d Streets."

"For Repairing Sheet Asphalt or Asphalt Block Pavements, in the Borough of Manhattan, where directed, during the year 1913."

"For Furnishing and Erecting Three Rail Pipe Fences in Washington, Madison, and Union Squares."

"For Furnishing and Setting Curbstones and Paving with Asphaltic Concrete the Roadway, and, with Granolithic Pavement, the Sidewalks, and otherwise Improving the New Street along the westerly boundary of John Jay Park."

"For Setting and Resetting Curbstones, Paving with Rock Asphalt Mastic the Sidewalks, where required, Making Alterations to the Drainage, and Furnishing and Laying a Roadway Foundation of Concrete in Transverse Road No. 1."

"For Setting and Resetting Curbstones, Paving with Rock Asphalt Mastic the Sidewalks, where required, Making Alterations to the Drainage, and Furnishing and Laying a Roadway Foundation of Concrete in Transverse Road No. 2."

"For Setting and Resetting Curbstones, Paving with Rock Asphalt Mastic the Sidewalks, where required, Making Alterations to the Drainage, and Furnishing and Laying a Roadway Foundation of Concrete in Transverse Road No. 4."

"For Improving John Jay Park."

"For Furnishing and Erecting Wrought Iron Picket Fences in and around John Jay Park."

"For Constructing Granolithic Sidewalks and Furnishing and Setting Curbstones around John Jay Park."

"For Completing the Construction of the Addition to Riverside Park, east of Grant's Tomb."

"For Paving with Asphaltic Concrete the Roadway of the Plaza at 110th Street and Eighth Avenue."

"For Furnishing and Erecting a High Gas Pipe and Wire Mesh Fence along the Front of the Playground in High Bridge Park, between 174th and 175th Streets."

CONTRACT DRAWINGS, PLANS, ETC.

CONTRACT DRAWINGS.

"For Furnishing and Laying Water Mains and Appurtenances adjacent to the Lower Pond, and also westerly from the Terrace Bridge, in Central Park."

"For Furnishing and Installing a Water Supply System for the Park Plots along the Center of Seventh Avenue, between 110th and 153d Streets."

"For Furnishing and Setting Curbstones and Paving with Portland Cement Pavement the Ends of the Park Plots in Seventh Avenue, between 110th and 153d Streets."

"For Furnishing and Erecting Three-rail Pipe Fences in Washington, Madison, and Union Squares."

"For Furnishing and Setting Curbstones, Paving with Asphaltic Concrete the Roadway, and, with Granolithic Pavement, the Sidewalks, and otherwise Improving the New Street along the westerly boundary of John Jay Park."

"For Setting and Resetting Curbstones, Paving with Rock Asphalt Mastic the Sidewalks, where required, Making Alterations to the Drainage, and Furnishing and Laying a Roadway Foundation of Concrete in Transverse Road No. 1."

"For Setting and Resetting Curbstones, Paving with Rock Asphalt Mastic the Sidewalks, where required, Making Alterations to the Drainage, and Furnishing and Laying a Roadway Foundation of Concrete in Transverse Road No. 2."

"For Setting and Resetting Curbstones, Paving with Rock Asphalt Mastic the Sidewalks, where required, Making Alterations to the Drainage, and Furnishing and Laying a Roadway Foundation of Concrete in Transverse Road No. 4."

"Contract Drawings for Improving John Jay Park."

"For Constructing Granolithic Sidewalks and Furnishing and Setting Curbstones around John Jay Park."

"Plan for Constructing Walks adjacent to the New Comfort Station, west of the Reservoir."

"Contract Drawings for Repairing Defective Water Supply, on the West Drive, near 79th Street, from the Gate in Transverse Road to the Park Water Supply System."

"Contract Drawings for Furnishing and Erecting High Gas Pipe Wire Mesh Fence along High Bridge Park Playground, between 174th and 175th Streets."

"Contract Drawings for Setting and Resetting Curbstones and Paving with Asphaltic Concrete the Roadway of the Plaza at 110th Street and Eighth Avenue."

"Contract Drawings for Furnishing and Erecting on Existing Cast-iron Shoes Wrought Iron Picket Fence in and around John Jay Park."

"Contract Plans for the Completion of the Addition to Riverside Park, east of Grant's Tomb."

MAPS AND PLANS.

"Construction map of Colonial Park."

"Map locating the New York Central right-of-way, between 72d and 129th streets."

"Map showing failure of bulkhead, public driveway."

"Map of Isham Park."

PLANS.

Plan for the Fire Department, showing fire plugs and flush hydrants in Central Park.

Plan showing the right-of-way of the New York Central Railroad at 85th street.

Plan showing parks, parkways, and playgrounds in Manhattan.

Topographical plan of the Triangle, Lafayette street, Kenmare street, and Cleveland place.

Construction plan of the playground in Columbus Park.

Construction plan of playground in Worth street.

Plan for completing the construction of John Jay Park.

Plans showing the existing arrangement of tree plots in West End avenue, between 72d and 107th streets.

Plans showing survey of the Mall, in the vicinity of the bandstand.

Topographical plan of a portion of Central Park, north of Transverse Road No. 1, and adjacent to 5th avenue, the proposed site for erecting the old Lenox Library.

Record tracing of Carl Schurz Park.

Plan of Rutgers Slip.

Plan showing grades on line of proposed street, connecting St. Nicholas avenue with St. Nicholas Terrace.

Plan of Isham Park (scale 80 feet to the inch).

SURVEYS.

Survey of Seward Park, to determine area of defective walk conditions.

Survey of territory adjacent to Washington Bridge, where the proposed new Laurel Hill Terrace meets the same.

Topographical surveys of a section of Central Park, adjacent to 5th avenue, between 65th and 66th streets, as a possible site for the re-erection of the old Lenox Library, which was in process of demolition.

A survey of the westerly end of Washington Bridge, to determine the amount of fence which would be required to protect the large rhododendron plantation at this locality.

Survey to check City Surveyors as to grades for pavement and improvement around Bethesda Fountain, Central Park.

Surveys and plans in connection with the widening of the roadway of 2d avenue, where the same bounds Stuyvesant Square. (In the work of widening the roadway the curb was reset on a lower grade than it originally occupied, and the flagging was reset so as to pitch sharply to this depressed curb.

Survey of the easterly sidewalk of Riverside Drive, between 78th and 79th streets, in order to determine the location for tree plantings.

Survey and map of proposed playground at Amsterdam avenue, between 151st and 152d streets.

Survey, cross sections and map for contract purposes, in the matter of paving the East Drive, between 62d and 110th streets.

Topographical survey and map of northern end of Mall and around Casino.

Elevations were taken to determine the flow line of the various sewers in Manhattan Square.

Survey and map of the addition to Riverside Park at 122d street.

Survey, showing location of tree plots in West End avenue.

Location, survey and profile of proposed sewer from 102d street and Central Park West to 110th street and Lenox avenue.

Location, survey and profile for the proposed sewer from the bandstand in the Mall to the sewer near Conservatory Lake.

Cross sections and survey of Riverside Drive, between 110th and 127th streets, as a base for repaving contract.

Survey and map of park, between 22d and 23d streets, 11th avenue and the Hudson River.

Survey and map of Grand Street Park.

Survey and map of Duane Street Park.

Survey and map of Christopher Street Park.

Locations at Mt. Morris and East River Parks, necessary to complete maps.

Survey and map of Broadway plots, between 135th and 168th streets.

Additional elevations and cross sections on Riverside Drive, between 72d and 122d streets, as a base for contract, repaving drive.

Elevations in excavation for proposed wing of the Natural History Museum, to check up estimate of cost.

Survey and map of small park at 138th street and Broadway.

Necessary field work and grades, in connection with the new drain at 110th street and 8th avenue, Central Park.

Survey to determine area of filling deposited in 1912 in the extension to Riverside Park, at 79th, 96th, and 129th streets.

Topographical survey, showing location and character of pavements on the Plaza at 110th street and 8th avenue.

Survey showing building encroachment on the northwest quadrant of the Plaza at 110th street and 5th avenue.

Survey at Bridge 3, Central Park.

Cross sections, Riverside Drive, on 50-foot stations, between 72d and 110th streets.

Survey showing building lines and projections at 80th street and Riverside Drive.

Survey showing building line, fence line, encroachments, etc., northeast corner of 82d street and Riverside Drive.

Survey and map showing encroachment of retaining wall, Riverside Drive and 148th street.

Survey, map and profile, showing existing conditions of private sewer in Jumel place, with recommendations as to changes.

Topographical survey, covering the paving of Schuyler Square.

Topographical survey and map of the southerly portion of Fort Washington Park.

Transit survey, determining the northerly and southerly boundary lines of Fort Washington Park.

Topographical survey of triangle at Kenmare street and Cleveland place.

Survey showing encroachment of window at Broadway and 25th street.

Survey showing dangerous overhanging tree at 162d street, east of Amsterdam avenue.

Survey defining location of refreshment station at 155th street and public driveway entrance.

Survey to determine height of giant tulip tree at Inwood.

Tape survey of Abingdon Square.

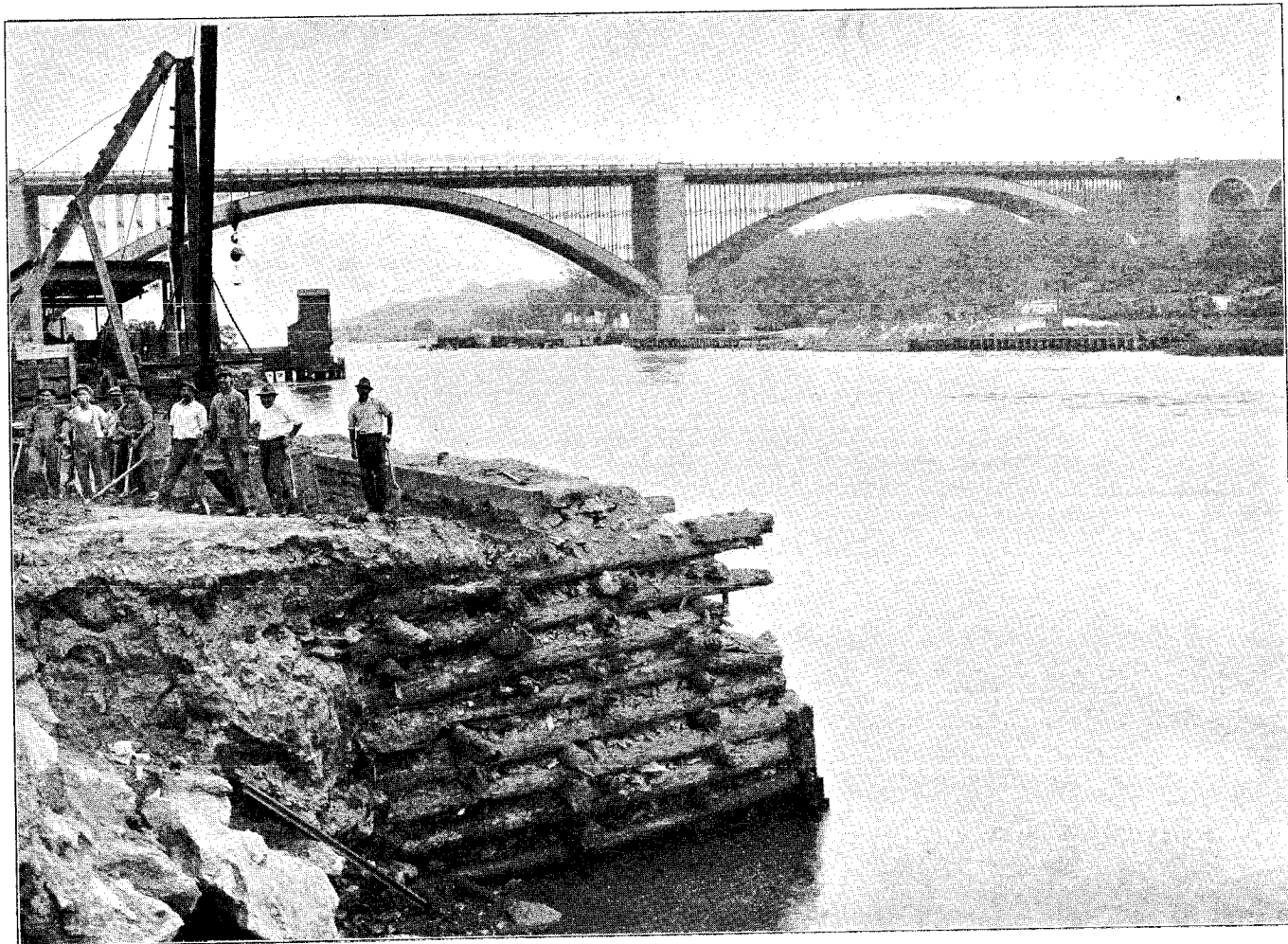
Topographical survey of the southerly tennis grounds in Central Park.

ESTIMATES.

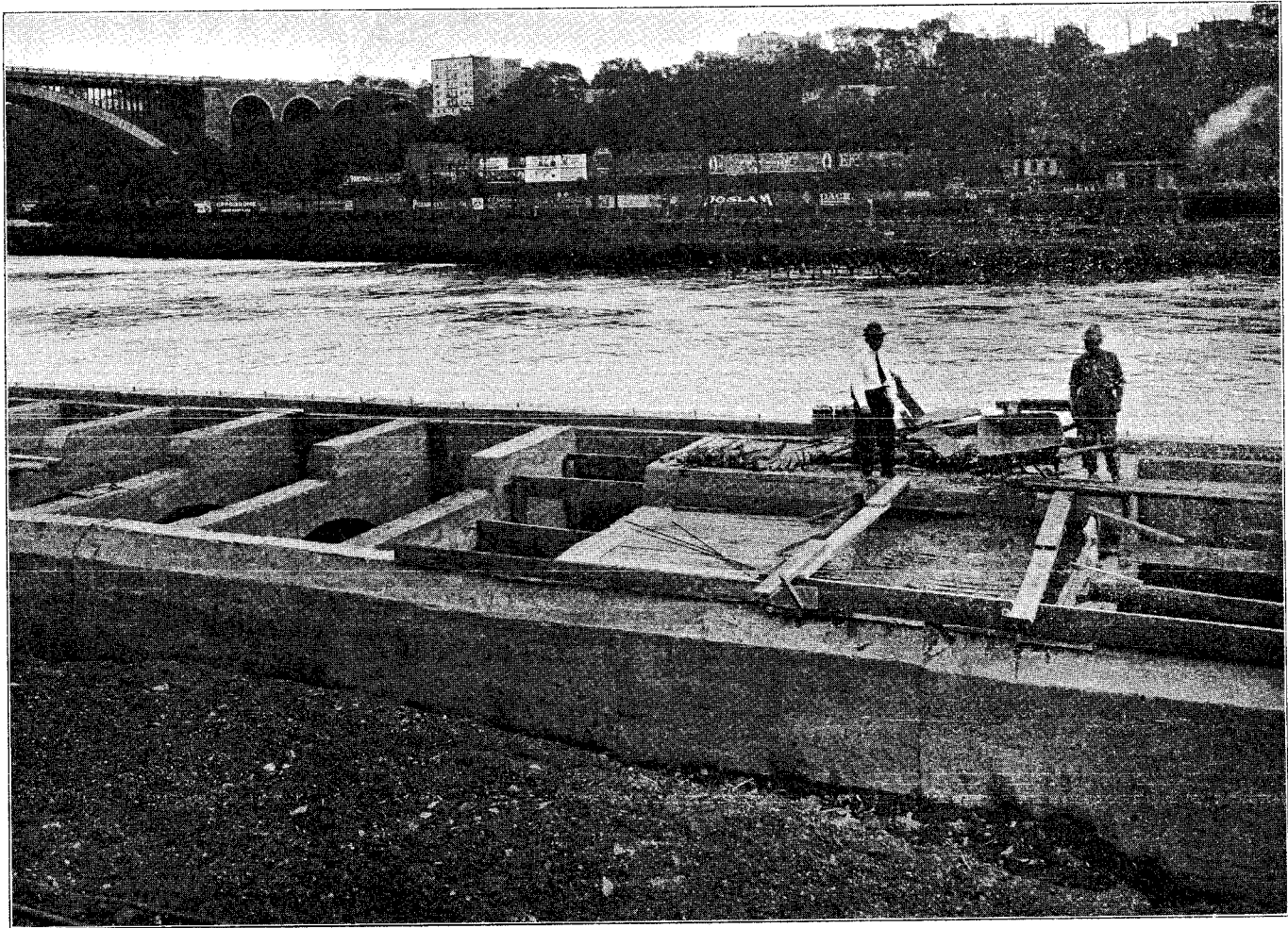
Four estimates of cost, covering the improving of the addition to Riverside Park, opposite the tomb of General Grant, based on four different propositions.

Three estimates of cost, covering the construction of new playground at Amsterdam avenue and 152d street, based on three different propositions.

Estimate of cost for reconstructing the Plaza, at 5th avenue and 59th street, on plan prepared by Landscape Architect.



OLD BULKHEAD ALONG SPEEDWAY.



NEW CONCRETE BULKHEAD ALONG SPEEDWAY.

Estimate of cost, repaving the roadway of the Public Driveway, in front of the new concrete bulkhead walls, with bituminous pavement.

Estimate of cost for reinforcing certain sections of the concrete walls, Queensboro Bridge playground.

Estimate of cost in the matter of improving John Jay Park.

Estimate of cost, laying out and improving new street on the westerly side of John Jay Park.

Estimate of cost, erecting picket fence around John Jay Park.

Estimate of cost, covering the excavation and repaving of West Drive, Central Park, between 66th street and Bridge 26 (between 102d and 103d streets).

Estimate of cost for constructing concrete seats, etc., in Hudson Park, around wading pool.

Estimate of cost, covering the repaving of roadways, streets, plazas and avenues, under the jurisdiction of the Park Department.

Estimate of proposed improvement of park plots in 7th avenue, between 110th and 153d streets.

MISCELLANEOUS.

Examinations of rock cuts in 97th street Transverse Road were made, and a report was prepared, recommending the removal of loose stone and flakes from these cuts.

Calculations were made for a twelve-lap running track in Battery Park.

Calculations for an eight-lap running track in Chelsea Park.

General field work in connection with the establishing of grades for the walks adjacent to the Comfort Station, west of the Old Reservoir, at 81st street.

Chemical tests were made to determine the direction of the flow and final outlet of the sewers under Terrace Bridge.

Several different grade arrangements were worked out for the new asphaltic concrete pavement on the Plaza at 110th street and 8th avenue.

Calculations were made in order to determine the actual boundaries of Fort Washington Park at its northerly and southerly ends.

Computations were made of the areas of several playgrounds, occupying territory belonging to the Bridge Department and the Department of Water Supply.

Statistics were prepared relating to the roadway pavements under the jurisdiction of the Commissioner of Parks for Manhattan, showing when and by whom the pavements were laid, their areas, their periods of maintenance, the character of the pavements, and their costs.

A report was made to show the damage done by erosion to the steep slopes in Mt. Morris Park.

Checking up paving bills, covering the experimental roadway pavements, laid on the West Drive of Central Park, between 90th and 96th streets.

The work on the Catskill Aqueduct, Rapid Transit Subways, etc., which was done by different departments, in park territory, received general inspection, in order to keep a complete record, and to insure the restoration of park territory in a proper manner.

The usual routine office work, of tabulation of bids, inspection of materials and work, cement testing, as well as the measuring of all supplies, such as gravel, sand, mold, sod, etc., etc., and the general field work on construction, and on contracts in force, and of surveys for new work, were carried on during the year.

Respectfully submitted,

EDWARD A. MILLER,
Chief Engineer.

SUPERINTENDENT'S REPORT.

(FOR THE YEAR 1912.)

During 1912 there were added to the territory under the jurisdiction of the Department Isham Park, located on Broadway, about 212th street; the small triangle extending from 166th street to 168th street, which is formed by the junction of Broadway and St. Nicholas avenue; the small triangle at 143d street, formed by the junction of Amsterdam avenue and Hamilton place, and the small plot at Kenmare and Lafayette streets.

Six new playgrounds were also added, four of which, East 101st street, West 59th street, Cherry street, and Five Points, acquired in previous years, had been under improvement, the other two, Clark playground and Water Gate playground, being entirely new acquisitions.

The total park area under maintenance by the department during the year was as follows:

PARKS, BOROUGH OF MANHATTAN.

Name.	Acres.
Abingdon Square.....	0.202
Battery Park.....	21.199
Beach Street Park.....	0.038
Bowling Green.....	0.517
Bryant Park.....	4.775
Canal Street Park.....	0.318
Carl Schurz Park.....	12.546
Central Park.....	843.019
Chelsea Park.....	3.117
Christopher Street Park.....	0.139
City Hall Park.....	8.239
Colonial Park.....	12.790
Cooper Park.....	0.229
Corlears Hook Park.....	8.300
DeWitt Clinton Park.....	7.377
Duane Street Park.....	0.108
Empire Park.....	0.344
Fort Washington Park.....	40.810
Grand Street Park.....	0.630
Greeley Square.....	0.144
Hamilton Fish Park.....	3.673
Hancock Square.....	0.072
Harlem Lane Park.....	1.270
High Bridge Park.....	75.766
Hudson Park.....	1.700
Jackson Square.....	0.227
Jeanette Park.....	0.728
John Jay Park.....	3.004
Thomas Jefferson Park.....	15.529
Lincoln Square.....	0.069
Madison Square.....	6.840
Manhattan Square.....	17.582
Morningside Park.....	31.238
Mount Morris Park.....	20.174

Name.	Acres.
Roger Morris Park.....	1.546
Mulberry Bend Park.....	2.750
Paradise Park.....	0.114
Park Avenue Park.....	8.118
Riverside Park.....	140.037
Rutgers Park.....	0.478
Ryan Park.....	0.180
St. Gabriel's Park.....	2.947
St. Nicholas Park.....	30.446
Schuyler Square.....	0.072
Wm. H. Seward Park.....	3.315
Sherman Square.....	0.001
Stuyvesant Park.....	4.229
Tompkins Square.....	10.508
Union Square.....	3.483
Washington Square.....	8.115
Park at Broadway and 138th street.....	0.340
Park, 17th and 18th streets, Avenue C and East River.....	1.037
Triangle at St. Nicholas avenue and 150th street.....	0.024
Triangle at Broadway and 73d street.....	0.095
Triangle at Manhattan avenue and 114th street.....	0.018
Triangle at St. Nicholas avenue and 137th street.....	0.038
Addition to Riverside Park, 122d street to Claremont place, Riverside avenue to Claremont avenue.....	2.064
Extension to Riverside Park, N. Y. C. & H. R. R. R. to the bulkhead line of H. R., 72d to 129th streets.....	48.215
West of Harlem River Driveway and north of Washington Bridge.....	23.013
Corner of Worth and Baxter streets.....	0.187
Triangle at 7th avenue and 117th street.....	0.074
Triangle at 6th avenue and 35th street.....	0.042
Parks, cen. Broadway, 60th to 122d streets.....	7.543
Parks, cen. Broadway, 137th to 168th streets.....	3.621
South approach to 3d avenue Bridge.....	0.298
Extension to Corlears Hook Park, an extension southerly to the pierhead line.....	2.343
Park between 151st and 152d streets, east of Amsterdam avenue.....	0.142
Playground, 59th to 60th streets, west of Amsterdam avenue.....	0.519
Playground, Nos. 180 to 184 Cherry street.....	0.392
Playground, south side 101st street, between 2d and 3d avenues.....	0.846
Isham Park.....	.....
Audubon Park, 167th street, Broadway and St. Nicholas avenue.....	.....
Triangle, Kenmare and Lafayette streets.....	.....
Triangle, 143d street, Amsterdam avenue.....	.....

PARKWAYS, STREETS, AVENUES, ETC., UNDER THE JURISDICTION OF DEPARTMENT OF PARKS.

Cathedral Parkway (110th st., W. of 7th av.)	4,061 feet—length; 100 to 126 feet—width
Circle at 8th avenue and 59th street.....	2.234 acres
86th st., west of Central Park West.....	3,435 feet—length; 100 feet—width
5th avenue, 59th to 110th streets.....	13,661 feet—length; 100 feet—width
Harlem River Driveway.....	11,562 feet—length; 100 to 150 feet—width

Morningside avenue, west.....	3,538 feet—length; 90 feet—width
96th street, west of West End avenue.....	802 feet—length; 100 feet—width
110th street, 5th to 7th avenues.....	2,045 feet—length; 100 feet—width
122d street, west of 10th avenue.....	1,450 feet—length; 80 feet—width
123d street, west of Morningside Park.....	819 feet—length; 60 feet—width
Plaza at 59th street and 5th avenue.....	1.495 acres
Plaza at 110th street and 5th avenue.....	1.005 acres
Plaza at 110th street and 8th avenue.....	1.182 acres
Riverside Drive.....	17,000 feet—length; 90 to 168 feet—width
Riverside Drive Extension, West 135th street to 145th street.....	2,600 feet
72d street, west of Central Park West.....	3,025 feet—length; 100 feet—width
West End avenue, north of 70th st.....	9,860 feet—length; 100 feet—width
Mail street.....	335 feet—length

PARKS, BOROUGH OF RICHMOND.

Name.	Acres.
Washington Square, Bay, Water and Canal street, Stapleton.....	1.46
Silver Lake Park, Richmond turnpike, Silver Lake, Brighton Heights.....	57.90
Improved unnamed Park, Broadway, Bennett street, Herberton avenue and Vreeland street, Port Richmond.....	1.28
Westerleigh Park, at Maine and Willard avenues.....	2.92

PLAYGROUNDS.

Department Playgrounds in the Borough of Manhattan.

Amsterdam avenue.....	152d street and Amsterdam avenue
Battery Park.....	State street and Battery
Carl Schurz Park.....	86th street and East River
Chelsea Park.....	27th street and 10th avenue
Corlears Hook Park.....	Corlears Hook and East River
De Witt Clinton Park.....	53d street and 11th avenue
East 17th Street Park.....	17th street and East River
Hamilton Fish Park.....	Houston and Pitt streets
High Bridge Park.....	170th street and Amsterdam avenue
Hudson Park.....	Hudson and Clarkson streets
Jackson Square.....	13th street and 8th avenue
Reservoir.....	174th street and Amsterdam avenue
Riverside Drive.....	96th street and Riverside
Ryan Park.....	42d street and 1st avenue
St. Gabriel's Park.....	35th street, 1st and 2d avenues
St. Nicholas Park.....	133d street and St. Nicholas avenue
Seward Park.....	Canal, Jefferson and East Broadway
Thomas Jefferson Park.....	111th to 114th streets, Pleasant avenue
Tompkins Square Park.....	7th street and Avenue A
Williamsburgh Bridge.....	Cannon, Lewis and Delancey streets

BASEBALL GROUNDS, SEASON 1912.

Bennett Field.....	(3 diamonds) 182d to 186th street and Broadway
Chelsea Park.....	(3 diamonds) 27th street and 10th avenue
Cherry street.....	Cherry and Market streets
DeWitt Clinton Park.....	53d street and 11th avenue

Hamilton Fish Park.....	Houston and Pitt streets
Jasper Oval.....	(5 diamonds) 137th street and Convent avenue
Reservoir.....	174th street and Amsterdam avenue
St. Gabriel's Park.....	35th street and 1st avenue
Seward Park.....	Canal, Jefferson and East Broadway
Thomas Jefferson Park.....	111th to 114th streets, Pleasant avenue
Tompkins Square Park.....	7th street and Avenue A
Riverside Extension.....	(3 diamonds) 79th street and North River
Riverside Extension.....	(2 diamonds) 96th street and North River

BATH HOUSES AND COMFORT STATIONS.

Men's.

Central Park—
 Ball Ground
 Marble Arch
 Sheep Meadow
 Arsenal
 Ramble
 Belvidere
 Tennis Grounds
 106th street, 5th avenue
 Riverside Park—
 72d street
 96th street
 108th street
 124th street
 138th street
 151st street
 Morningside Park
 Mount Morris Park
 *Thomas Jefferson Park
 Carl Schurz Park
 *DeWitt Clinton Park
 Bryant Park
 Madison Square
 Union Square
 Tompkins Square
 Hudson Park
 Hamilton Fish Park
 Corlears Hook Park
 *Wm. H. Seward Park
 Columbus Park

Women's.

Central Park—
 Ball Ground
 Dairy
 Arsenal
 Casino
 Conservatory Lake
 Ramble
 Belvidere
 Tennis Grounds
 110th street, 7th avenue
 Riverside Park—
 79th street
 96th street
 108th street
 124th street
 138th street
 151st street
 Morningside Park
 Mount Morris Park
 *Thomas Jefferson Park
 Carl Schurz Park
 *DeWitt Clinton Park
 Bryant Park
 Madison Square
 Chelsea Park
 Stuyvesant Park
 Tompkins Square
 Washington Square
 Hudson Park
 Hamilton Fish Park
 * Wm. H. Seward Park
 Columbus Park
 Battery Park
 East 17th Street Park
 † Fort Washington Park
 Union Square

* Baths and toilets.

† Closed in winter.

The new comfort station, in Central Park near the West Drive (about 80th street), was opened for public use. Additional toilet facilities were also provided, by the opening of the field houses at the East 101st street, West 59th street, and Five Points

playgrounds, all of which are equipped with baths and toilets for the children's use. The new field house at the Queensboro Bridge playground was also completed, and opened for use in October.

The total labor force employed during the year averaged about as follows:

	<i>Winter Season Summer</i>	
	Jan. to April	April to Sept.
	Sept. to Dec. 31.	
Laborers.....	400	520
Drivers:		
Teams.....	25	25
Carts.....	33	33
Hired Carts.....	....	7
Climbers and Pruners.....	30	75
Gardeners.....	45	70
Female attendants for comfort stations.....	58	58
Foremen of Laborers.....	26	26
Foremen of Gardeners.....	7	9
Arboriculturists.....	4	4
Entomologist.....	1	1
General Foremen.....	3	3

The time of the laborers was largely taken up with the routine work of cleaning walks, drives, lawns, etc., cleaning and attending bathhouses, comfort stations, and playgrounds, the cleaning of the lakes for skating in winter, the removal of snow, etc.

The gardeners and climbers and pruners were employed generally in the planting and care of the plantations throughout the parks and the care of trees on the streets.

A great deal of work of special improvement of the parks outside the routine work was accomplished during the year. The work of restoring the lawns and plantations was continued. In Central Park the Ball Ground and the North Meadow, which had been sown to winter rye, in the fall of 1911, were prepared for final seeding. The rye was plowed under, the ground harrowed, agricultural lime applied, and the surface graded and seeded with crimson clover. The rye on the North Meadow was first cut and baled and sent to the department stables for use as bedding. In the fall the clover was turned under, and both fields sown with a special lawn grass seed mixture.

Thirty tons of powdered limestone were distributed over those lawns in Central Park which had not been previously spaded and fertilized and reseeded.

The exterior lawns at Tompkins Square Park, which were badly worn by constant trespassing and ball playing, were plowed up, fertilized, and reseeded, and six-foot wire mesh fences erected around them for their protection.

The following lawns and grass plots were also spaded up, fertilized, and seeded:

Seward Park—The large lawn in southeast section of park.

Hamilton Fish Park—Two large lawns north and south of main building.

Park Avenue Parks—34th street to 40th street.

Park Avenue Parks—56th street to 96th street.

Broadway Parks—110th street to 122d street.

Battery Park—Lawns adjoining Battery Place comfort station.

Corlears Hook Park—Center lawn.

The hillside at 67th street, 5th avenue, Central Park, was spaded up and resodded. Large stones were set into the slope at irregular intervals, to prevent coasting, which had ruined the sod there, besides causing several severe accidents.

A total of 1,925 loads of manure were distributed from the department storage pit

in Central Park to the various parks throughout the City, for the flower beds, lawns, and plantations.

This supply was not sufficient for all the parks, and twelve tons of pulverized sheep manure were distributed on the lawns of the small parks.

The principal lawns in Central and Riverside Parks, and all new plantations in all the parks were covered, also the lawns in Madison Square, Washington Square, Mt. Morris Park, Isham Park, Roger Morris Park.

Eighteen loads were delivered and spread on the lawns and plantations of the City College grounds, and two loads were delivered to Wadleigh High School.

Nearly 450,000 square feet of grass sod were laid in the various parks and parkway plots, during the year, and 2,500 cubic yards of mold were used for filling tree pits for new trees. Over \$12,000 was spent in the purchase of trees, shrubs and vines, in 1912, all of which were planted during the year throughout the parks and streets. A consignment of 2,500-odd Japanese cherry trees were received in the spring from the Japanese government, which sent them as its gift to commemorate the Hudson-Fulton Centennial. The original consignment was forwarded in time to reach New York for that celebration, but the trees were lost in transit, and a new lot had to be gathered together from the nurseries of Japan. The later consignment comprises many rare varieties having beautiful blossoms. All are very hardy, as proved by their condition on arrival, after a journey of nearly three months, closely packed in the cases which were stored in the steamship hold in transit. Not one dead tree was found in the lot. They were planted in Central and Riverside Parks in masses, and all were thriving at the close of the season. The only losses were through vandalism.

A great number of the trees were planted in the vicinity of Grant's Tomb, the hill to the north of Claremont being completely covered with them, and a grove of them also planted on the lawns of the recent addition to Riverside Park, opposite the tomb. Here, on Sunday, September 28, a celebration was held to mark officially the occasion of the gift of Japan, and, with speeches, music and tableaux dances by the playground children, the gift was formally accepted by the Park Commissioner and acknowledged by the representative of the Japanese government, in the presence of a large gathering of park visitors. The park and grove were named Sakura, which is the Japanese term for cherry.

The detailed list of the locations where the cherry trees were planted is as follows:

Central Park:

Arsenal Walk	20
Conservatory Lake	240
Bolivar Hill	48
East Drive, 90th street	174
86th street on Reservoir Bank	187
East of boathouse—74th street	350
Hamilton Lawn	61
Along walk 86th to 90th street—Eastern Drive	180
Opposite McGowans Pass Tavern	60

Riverside Park:

Soldiers and Sailors Monument	100
Sakura Park and Grove	764
Riverside Extension	331
Thomas Jefferson School Farm	6

At Inwood, on the westerly bank of the Harlem River, opposite Spuyten Duyvil, was found a giant tulip tree, probably the largest and oldest on Manhattan Island. Its dimensions are 19 feet in circumference, at the base, and approximately 123 feet in height. Its age was calculated by Dr. Britton, of the New York Botanical Gardens,

to be about 225 years. It was found to be in good condition, except for a large cavity which extended from the base of the trunk upward for about ten feet, and another one, about twenty feet farther up the trunk about five feet long. There was also considerable deadwood in the tree. The tree stands on a knoll a short distance from the river, and the roots were found to be damaged where the washing away of the earth had exposed them. The property upon which it is situated lies at the foot of Inwood Hill, and is much frequented by picnic parties. It is locally known as Cold Spring, from the spring which is found a short distance to the north of the big tree. Permission having been obtained of the owner of the property to put the tree in good condition, the Department proceeded with the work. The cavities were cleaned out, the old wood being chiseled out until live wood was reached. This was treated with copper sulphate and coated with coal tar, to prevent decay. The cavities were then filled with concrete, reinforced with an interior framework of logs and stone. The lower cavity was nine feet deep and four feet in diameter; the upper one was five feet deep and three feet in diameter.

The following material was used in this work:

- 1 truckload of sand,
- 1 truckload of gravel,
- ½ truckload of large stone,
- 4 bbls. cement,
- 4 bbls. lampblack,
- 30 lbs. copper sulphate,
- 2 gals. coal tar,
- 6 eight-foot logs.

All deadwood was trimmed out of the tree, the roots were covered with earth, and an iron picket fence, octagonal in form, erected around the tree for its protection.

On the face of the concrete filling of the upper cavity the following notice was painted:

TULIP TREE.

(*Liriodendron Tulipifera*.)

Circumference, 19 feet.

Height, 123 feet.

Age, about 225 years.

Hendrik Hudson entered this inlet in 1609, and may have met the Indians here, who used this place for a camp, as shown by the quantities of old broken oyster shells around this tree and nearby. This tree was thoroughly repaired, and the fence erected around it, October, 1912.

A celebration was held under the tree on October 16 to mark its restoration. The fence was decorated with flags and bunting for the occasion, which drew a large gathering of interested residents of the surrounding districts and the children from Inwood school.

The parkway plots on West End avenue, for its entire length, from 70th street to 106th street, were regraded and sodded, also the plots on West 86th street, from Broadway to Riverside Drive, and those on West 72d street, west of Broadway. These plots were resodded annually, but the wear and tear to which they were subjected soon destroyed the new sod and made the Department's work a waste of time and material. It was therefore decided not to resod them again. This decision, however, was earnestly protested by the residents along those streets, who were accorded a public hearing on the matter by the Commissioner. The necessity for their co-operation in caring for the plots was impressed upon them, and the work was undertaken as far as the

available funds would permit. At the same time all dead and unsightly trees were removed, and good trees planted in their places, and all vacancies in the plantations were filled.

The plots at 74th street and West End avenue were planted with flowering shrubs as an experiment, in compliance with the wishes of the residents.

In the parks and on the streets of Manhattan dead and dangerous trees were promptly removed, and unsightly trees and shrubs were taken out and replaced by new plantations. Special attention was given to the plantations in the smaller parks, and all vacant spaces in them were replanted.

In Central Park a large special force was employed during the summer on the removal of dead and unsightly trees, hundreds of which, part of the original plantation of the park, were taken out. The restoration of the shrubbery plantations was continued, old overgrown specimens and groups were cut down and replaced by new stock.

The new plantations were not confined to any one section, but covered practically every section in the park.

The planting of Colonial Park was completed, and new plantations were set out along the westerly boundary of St. Nicholas Park, fronting the City College, also at the small park, 138th street and Broadway.

Shrubbery plantations were set out in Lincoln Square Park, where it was found impracticable to maintain a grass plot. Other new plantations were as follows:

130th street, along the 3d avenue bridge approach, planted with plane trees.

Washington Bridge Plaza, 9 Gingkos planted.

Small park plot, 143d street, Amsterdam avenue, specimen plane tree planted.

Riverside Drive Extension, completed planting of plane trees, from 155th street to 158th street.

Triangle, 167th street and Broadway, 18 planes planted.

Long Acre Square, 47th street and Broadway (planted by arrangement with the Borough President who has jurisdiction there).

In connection with the Arbor Day celebrations of the schools trees were planted as follows:

Public School, 168th street and Audubon avenue.....	6 Maples
Wadleigh High School.....	3 Planes
Public School No. 64 (Tompkins square).....	1 Linden
Public School No. 77, 417 East 85th street.....	5 Poplars
Public School No. 96, 81st street and Avenue A.....	1 Poplar
Public School 147, East Broadway.....	2 Maples

The complete planting for the year is given herewith:

PLANTING LIST, 1912.

Maples:

Norway.....	430	
Pseudo Plantanus.....	25	
Schwedlerii.....	10	465

Catalpa:

Bignonnoides.....	25	
Speciosa.....	25	50

Gleditschia:

Aquatica.....	20	
Triacanthus.....	10	30

Gymnocladus Canadensis Oaks:

Alba.....	2	
Bicolor.....	25	
Robur.....	25	

Rubra.....	93	
Velutina.....	21	
Palustr s.....	50	
Cerros.....	1	
Prinus.....	28	
Coccinea.....	16	
Phelos.....	10	
English.....	1	272
<i>Pavia Macrostichia:</i>		
Poplars.....	400	
Lombardy.....		400
<i>Cratægus:</i>		
Oxycantha.....	100	
Carriere.....	30	
Coccinea.....	25	
Cordata.....	5	
Crus Galli.....	75	233
<i>Cytisus Laburnum:</i>		
Euonymus.....		
Radicans.....	590	
Europea.....	25	
Alatus.....	200	815
<i>Habiscus:</i>		
Colutea.....	25	
Flanders.....	25	
Grandiflora.....	25	
Alba.....	25	
Boule de Feu.....	25	
Jeanne d'Arc.....	25	
Lady Stanley.....	25	175
Planes, Orientals.....		455
Tilia Argentea.....		50
<i>Hemlocks:</i>		
Carolina.....	150	
American.....	54	204
<i>Pyrus:</i>		
Nigra.....	10	
Coronaria.....	25	
Arbutifolia.....	500	
Floribunda.....	25	
Ionenis.....	25	
Spectabilis.....	25	610
<i>G'adrastis Tinctoria:</i>		
Magnolias.....		32
Glauc.....	50	
Purpurea.....	50	
Tripetala.....	10	
Norbertiana.....	33	
Alexandriana.....	17	
Conspicus.....	50	
Lennei.....	16	
Speciosa.....	35	
Accuminata.....	10	
Kobus.....	50	321

<i>Phellodendron Amurense</i>		25
<i>Sour Gum</i>		12
<i>Cerdiphyllum Japonicum</i>		10
<i>Fagus Purpurea</i>		10
<i>Taxus Cuspidata</i>		89
<i>Tamarix:</i>		
<i>Gallia</i>	100	
<i>Africana</i>	50	150
<i>Akebia Quintato</i>		75
<i>Ampelopsis:</i>		
<i>Quinquefolia</i>	200	
<i>Engelmani</i>	75	
<i>Heterophylla</i>	43	318
<i>Celastrus Scandens</i>		250
<i>Vitis Heterophylla</i>		50
<i>Lonicera:</i>		
<i>Halliana</i>	200	
<i>Fragrantissima</i>	500	
<i>Morowii</i>	65	765
<i>Lycium Chinensis</i>		150
<i>Ligustrum Regellianum</i>		1,300
<i>Cornus:</i>		
<i>Florida</i>	75	
<i>Mascula</i>	85	160
<i>Spirea Thumbergi</i>		72
<i>Betula:</i>		
<i>Nigra</i>	22	
<i>Lenta</i>	35	
<i>Papyrifera</i>	20	
<i>Lutea</i>	10	87
<i>Cedralia Sinensis</i>		20
<i>Sophora Japonica</i>		10
<i>Cephalanthus Occidentalis</i>		100
<i>Rhodotyphus Kerroides</i>		100
<i>Robinia Hispida</i>		25
<i>Sambacus Canadensis</i>		150
<i>Bignonias:</i>		
<i>Grandiflora</i>	50	
<i>Radicans</i>	25	75
<i>Actinida:</i>		
<i>Polygana</i>	25	
<i>Argentea</i>	10	35
<i>Cydonia Japonica</i>		14
<i>Exochorda Grandiflora</i>		21
<i>Stephandra Flexuosa</i>		60
<i>Hedera Helix</i>		49
<i>Clethra:</i>		
<i>Alnifolia</i>		260
<i>Hypericum:</i>		
<i>Aureum</i>	250	
<i>Moserianum Hybridum</i>	250	500
<i>Potentilla Fruticosa:</i>		25

<i>Viburnum:</i>			
Dentatum	410		
Molle	175		
Cassinoides	150	735	
<i>Pine Scotch</i>		25	
<i>Larix Letolepsis</i>		2	
<i>Liriodendron Tulipifera</i>		26	
<i>Salix:</i>			
Pentandra	100		
Vitellina	10	110	
<i>Berberis:</i>			
Thumbergi	490		
Sinensis	500		
Vulgaris	150	1,140	
<i>Liquidambar</i>		51	
<i>Fraxinus Americana</i>		50	
<i>Tilia Americana</i>		4	
<i>Salisburia Adiantifolia</i>		25	
<i>Oxydendron Arboreum</i>		16	
<i>Carpinus:</i>			
Americana	25		
Betula	27	52	
<i>Azalea:</i>			
Mollex	10		
Puntica	10		
Amoena	10		
Calendulacea	10	40	
<i>Rhododendrons:</i>			
President Lincoln	15		
General Grant	15		
Charles Badgeley	15		
Everestiana	15		
Boule de Neige	15	75	
<i>Rhamnus:</i>			
Cathartica	200		
Frangula	100	300	
<i>Rhus:</i>			
Aromatica	100		
Cotinus	135		
Typhina	50		
Glabra	50	335	
<i>Ribes:</i>			
Aurea	100		
Godonianum	100	200	
<i>Vaccinum, Corymbosum</i>		25	
<i>Syringa:</i>			
Hosekia	50		
Villosa	50		
Vulgaris	50		
Vulgaris, Alba	50		
Charles Tenth	50		
M. LeGray	50		
Rubra DeMarley	50		

Da Spaethe	50	
Persica Lacinata	50	
Rothomagensis	50	
Frau Bertha	50	550
<i>Hamamelis Virginica</i>		507
<i>Eleagnus</i> :		
Augustifolia	100	
Argentia	2	
Longipes	140	242
<i>Aralia Pentaphylla</i>		130
<i>Caragana Arborescens</i>		50
<i>Forsythia</i> :		
Viridissima	160	
Suspensa	111	271
<i>Philadelphus</i> :		
Grandiflora		40
<i>Roses</i> :		
Nitida	35	
Rubiginosa	700	
Blanda	100	
Rugosa	700	
Alba	250	
Wichuriana	1,125	
Lady Gay	160	
Cochet White	50	
Cochet Pink	50	
Carolina	100	3,270
<i>Hydrangea</i> :		
Panicalata Grandiflora		350
<i>Pines</i> :		
Scotch	25	
White	300	
Austrian	60	

A total of 1,364 dead, decaying or unsightly trees were removed during the year, as follows:

Central Park:

59th street to 66th street	66	
66th street to 72d street	127	
72d street to 79th street	41	
79th street to 86th street	21	
86th street to 96th street	236	
96th street to 110th street	248	
	—	739
Riverside Park		53
Morningside Park		70
Mt. Morris		26
High Bridge Park		10
Fort Washington Park		14
Colonial Park		5
St. Nicholas Park		1
Kilpatrick Park		7
Riverside Drive Extension		2
Seventh avenue plots		1

Bryant Park.....	3
Union Square.....	7
Stuyvesant Park.....	4
Madison Square.....	14
Washington Square.....	14
Battery Park.....	12
Hudson Park.....	3
Abingdon Square.....	2
Herald Square.....	6
St. Gabriel's Park.....	1
Park Avenue Parks, 56th to 96th streets.....	27
Hamilton Fish Park.....	6
Seward Park.....	25
Clark Playground.....	2

Street Trees.

East Broadway.....	1
Irving Place.....	1
West 23d street.....	3
Fort Washington avenue.....	1
West 181st street.....	4
West 160th street.....	1
West 158th street.....	1
West 157th street.....	1
West 156th street.....	1
West 155th street.....	7
West 152d street.....	5
West 151st street.....	3
West 141st street.....	1
West 140th street.....	2
West 139th street.....	3
West 132d street.....	1
West 129th street.....	1
West 127th street.....	2
East 126th street.....	3
Lenox avenue.....	1
Lawrence street.....	1
Hamilton place.....	1
East 120th street.....	1
East 119th street.....	2
East 118th street.....	1
East 117th street.....	2
West 115th street.....	1
East 113th street.....	1
East 111th street.....	1
West 100th street.....	1
East 110th street.....	3
Broadway, 60th street to 122d street.....	113
First avenue.....	1
Fifth avenue, 59th street to 120th street.....	40

Of those removed the greater number consisted of maples, oaks, elms, hickories, cherries and pines, nearly all of them old trees of large size, the majority of them being part of the original plantations in the park.

DRIVES AND BRIDLEPATHS.

The West Drive in Central Park was reconstructed during the summer from 67th to 90th street and from 94th street to 102d street, including the connecting branch drives at the entrances at 72d street, 77th street, 81st street, 96th street, and 100th street. The old gravel roadway on those sections of the drive was replaced by a bituminous concrete road, obviating the necessity of the constant resurfacing required on the old drives. The portions reconstructed in 1912, together with the experimental sections of similar construction laid in 1911 between 90th street and 94th street, make a continuous drive surface of the latest improved type between 67th and 102d street.

The gravel drives of Central and Riverside Parks were kept in as good condition as possible with such roads throughout the year. All the drives upon which the asphalt binder surface had been laid in 1911 stood up fairly well during the winter, but, with the advent of soft weather in the spring, the binder became soft and easily picked up by passing vehicles. This left the drive full of bare spots, which were rapidly worked into holes and ruts by the traffic. These holes were first temporarily filled with a mixture of traprock screenings and oil, which hardened under the roll of traffic and lasted well until the drive could be resurfaced. The East Drive, from 60th street to the Mall; Center Drive, from the Mall to 72d street; the Cross Drive at 72d street; the East Drive, from 102d street north; and Riverside Drive for its entire length were spiked up, the old asphalt binder removed, the surface regraded and rolled, and a fresh surface of binder laid. On Riverside Drive the heavy automobile stage traffic did great damage to the newly surfaced roadway, especially on the lower section, where the drive is of only single width. The entire drive had to be repaired a second time, the portion from 72d to 90th street having to be entirely resurfaced, which necessitated spiking up and removing the old binder, regrading the gravel, and putting on new binder surface.

The West Drive, Central Park, from 59th street to 66th street; the Center Drive, from 59th street and Eighth avenue to the Mall, and the entrance drive at the Art Museum, which had not been previously treated, were surfaced with asphalt binder during the year after first having been regraded and rolled.

The branch drives leading to the entrances to Central Park at West 66th street, East 96th street, East 102d street, the branch drive from East 79th street entrance to the Art Museum, and the West Drive between Seventh and Eighth avenues at 110th street, all of which are still of the old gravel roadway type without asphalt binder, were sprinkled with emulsifying road oil to lay the dust throughout the summer.

The roadway of the Riverside Drive extension was spiked up and regraded and rolled and surfaced with asphalt binder for its entire length from 133d to 158th street.

Morningside Drive from 110th to 122d street was also resurfaced with binder. The old bridge stones which formed the crosswalks on this driveway were taken out so as to leave the drive surface level throughout.

The property road on Riverside Drive was regraded and rolled and sprinkled with emulsifying road oil as required.

The bridlepaths in Central and Riverside parks were kept in good condition for riding throughout the year, winter and summer. During the winter they were scraped at night after riding had ceased, so as to level them off and take out the hoof prints and so have the paths in good condition for the morning riders. During the summer all the bridlepaths were given a coating of fresh gravel.

The portion of the 72d street Cross Drive in Central Park over the Terrace Bridge was resurfaced with asphalt blocks laid on concrete. The work was done by outside contractors, after the department force had removed the old gravel roadway.

PLAYGROUNDS.

The routine work of the labor and mechanical forces in connection with the playgrounds was given due attention throughout the year. The grounds were cleaned daily, swings and other portable apparatus were put up at the opening hour and removed at closing time, holes and ruts filled in, and the grounds sprinkled with road oil to lay the dust. Broken apparatus was repaired or renewed as required, and new equipment made for the additional playgrounds opened during the year, as well as for new activities on the old grounds. Six new playgrounds were opened during the year as follows: East 101st street, Five Points, Cherry street, Clark, Water Gate, and West 59th street. The cleaning and care of these grounds required the services of seventeen laborers and two women attendants. As no provision was made in the Budget for this extra force, employees had to be withdrawn from the regular park maintenance force for that purpose. Preparations were made for the celebrations in connection with the opening of these playgrounds. Band stands were erected, settees furnished for the spectators, buildings and stands decorated, and the grounds cleaned, graded and rolled. For the Fourth of July celebration all the grounds were given special attention. Depressions were filled with fine gravel, running tracks were regraded and rolled, and the lanes and distance points marked out. At Battery Park a cinder running track was built under the elevated railroad on the east side of the park, but it proved unsuitable for large athletic meets and a special track was marked out for the Fourth of July games on the grass of the large center lawn.

A new playground was constructed at Jeannette Park. The large lawn space in the center of the park was cleared of the old privet shrubs, the good specimens being replanted along the fence borders. The surface of the plot was regraded and surfaced with a heavy coating of fine gravel.

In the spring the swings and other apparatus were removed from the Delancey street playground, which was taken over by the Bridge Department for other purposes, and reerected at the Yorkville playground, East 101st street.

At Clark Playground a fence was erected to divide the playground from the adjoining property, the field upon which the playground was established was cleaned up, the trees trimmed of deadwood and a dangerous tree removed.

The new Water Gate playground on the Reservoir enclosure at 134th street and Amsterdam avenue was equipped with settees and a toolbox for the playground supplies and a sand pit provided for the children.

Basketball standards were erected at Cherry street and Queensboro Bridge playgrounds.

Soccer football goals were erected at Seward Park, Queensboro Bridge, Chelsea Park, Thomas Jefferson Park, and Jasper Oval.

At the Queensboro Bridge playground a set of baby swings was erected on a wooden platform built on the concrete floor under the bridge approach. On the boys' playground a baseball backstop was built and basketball goals set up.

At the Cherry street ground an iron picket fence was erected on the north side to enclose the grounds, a shelter pavilion was built and basketball goals set up, also a flagpole.

At Five Points playground the following apparatus was installed: two sets of baby swings, two sets of kindergarten swings, twelve large swings, twelve see-saws, two tether-ball poles.

The playground at Colonial Park, which was laid out on the lawn, was improved by the installation of proper drainage. The soil was removed to an average depth of about twelve inches and a telford stone foundation, put in, using the stone taken from the tree pits on Seventh avenue. A finished surface of fine gravel was then put on.

At the 152d street playground a board fence was erected on the line between

the playground and the adjoining private property, and the surface of the ground was graded with steam ash cinders. The apparatus was taken down in the fall and stored away preparatory to the final improvement of the grounds and the erection of the new field house.

Tents were erected for the summer season at Seward Park, Hamilton Fish Park, Ryan Park, Water Gate, and Jackson Square playgrounds. The erection of these tents necessitated the detail of laborers from the working force as watchmen to prevent the destruction of the tents by hoodlums during the night. Considerable damage was done to playground property in many of the parks at night. Halyards were stolen time after time from the flagpoles on nearly all the grounds.

All the playground apparatus was kept in good order throughout the year, repairs being made as required as quickly as possible. Extra supplies of swings were furnished all the grounds, so as to have a full supply for use while the broken swings were being repaired.

The following playground structures were overhauled, repaired, and painted during the year:

Hamilton Fish Park: Slide, shelter pavilion, and swing sheds.

Tompkins Square: Sand house and slide.

DeWitt Clinton Park: Pavilions on boys' and girls' grounds.

Carl Schurz Park: Sand house and swing frames.

Hudson Park: Slide.

Seward Park: Slide and swing platforms.

Jefferson Park: Sand house, slide, and swing platforms.

Jasper Oval: Grandstand.

St. Gabriel's Park: Slide and see-saws.

East 17th street: Shelter house and see-saws.

Columbus Park: Field house.

Ryan Park: Attendant's room.

A shelter for the attendant was built at the girls' playground, Tompkins Square.

The following playground supplies and apparatus were made and repaired during the year at the department workshops:

New Apparatus and Supplies.

Approach boards.....	8
Buck cover.....	4
Horse covers.....	3
Box (18 x 18"-6-0).....	1
Basket ball frames (complete).....	15
Kindergarten tables.....	10
Pursuit pins.....	217
Ring toss boards.....	26
Hickory balls.....	430
Bulletin boards.....	9
Swing hangers.....	6
Kindergarten benches.....	23
Bagatelle boards.....	8
Taba baza boards.....	6
See-saws.....	22
Giant strides.....	2
Doll house.....	9
Doll house benches.....	8
Playground signs.....	5
Potato blocks.....	497
Oblong blocks.....	256

Cube blocks.....	195
Half cube blocks.....	177
Cylinder blocks.....	260
Baby swing sets.....	4
Jumping standards.....	15
Tether ball poles.....	10
Swing frames (set of 10).....	1
Chest bars.....	1
Scaling ladders.....	2
Running board.....	1
Baseball bases.....	40
Lawn swing frame.....	1
Bagatelle board horses.....	11
Swing platforms.....	24
Soccer ball goals (sets).....	5
Slide platforms.....	2
Tennis posts.....	2
Wooden benches.....	3
Tennis court marker.....	1
Baby swing frame.....	1

Apparatus Repaired.

Baby swings (rope).....	837
Large swings (rope).....	346
Swing hammocks.....	33
Giant stride ropes.....	56
10 ft. jump ropes.....	150
Rope rings.....	400
Traveling rings.....	30
Flying rings.....	30
Small snow shovels.....	10
Rolling ball games.....	7
Horse covers.....	6
Buck covers.....	2
Kindergarten tables.....	13
Rock-a-bye.....	1
Large swing hanger.....	1
Portable slides.....	9
Doll houses.....	1
Approach boards.....	2
Parallel bars.....	4
Low parallel bars.....	4
Basket ball goals.....	20
Side horses.....	3

Two boxes and settees for use during the summer season were delivered to the playgrounds of the National Highways Protective Association at 66th street, 2d Avenue and 69th street, First avenue.

The mechanical force employed during the year was practically the same as in 1911. The great increase in the number of playgrounds and the quantity of equipment used in them keeps a large portion of the force constantly engaged on its repair, so that it is quite impracticable to keep up with the work to be done on the other buildings and structures in the parks proper. The erection of iron fences along the Broadway parks from 60th to 122d streets, and the parks on upper Seventh avenue,

the erection of iron pipe fences in many of the downtown parks where there were previously no fences, and the replacement with pipe fences of numerous sections of the old wire fences in Central Park makes a larger force of ironworkers necessary to keep these fences in good order. An increased force of painters is required to keep them painted so as to prevent decay. The force provided for 1912 for the care of iron fences and structures was inadequate for that purpose and much of that portion of the department property suffered damage by decay through rust for lack of painting, which will necessitate replacement later at a greater expense than that required for its protection by painting.

The close proximity of the iron fences of the parks on Broadway, Seventh avenue, and Park avenue to the roadway, on account of their location in the center of the street and on practically the same level, caused them to be broken repeatedly by passing vehicles. The frequency of these breaks made it necessary to keep the ironworkers on the repair of these fences the greater part of their time, to the exclusion of other work requiring their attention. It seems impossible to prevent this damage under present conditions.

The buildings and structures in the parks and playgrounds were given attention throughout the year, repairs being made as promptly as possible. The plumbing equipment of baths and toilets was kept in continuous good order as far as possible. A number of the baths were out of service at times, owing to the wearing out of the mixing cocks, which were of a special pattern which could not be duplicated except at excessive cost. The matter of changing the type of equipment was put in the hands of the Architect.

Drinking hydrants and horse watering troughs throughout the parks were kept in constant repair during the season. One hundred and forty-eight additional patent automatic fixtures were attached to hydrants in the various parks during the year. These did not prove entirely satisfactory, as they were continually being broken or stolen, and most of them were replaced by the old style open attachment consisting of a small iron pipe nipple and elbow.

Much of the work of the mechanical force consists of small jobbing which cannot well be classified for report purposes. A total of 5,359 special orders covering this work were issued during the year. The principal items of completed work are given in the following summary:

BUILDINGS AND STRUCTURES REPAIRED AND PAINTED.

Union Square:

- General Foreman's office.
- Porch, floor and stoops of cottage.
- Attendant's room, women's comfort station.
- Urinals, men's toilet room.

Seward Park:

- Women's bath room and waiting room.
- Men's bath room and waiting room.
- All windows on exterior of main pavilion.

Hamilton Fish Park:

- Indoor gymnasium.
- All buildings and structures in the playgrounds.
- Urinal fixtures, men's toilet room.

Columbus Park:

- Women's toilet room.
- Playground field house, interior and exterior.
- Men's toilet room.

Corlears Hook Park:

- Women's toilet room.

DeWitt Clinton Park:

Field house, boys' playground.
Shelter pavilion, girls' playground.

Tompkins Square:

Milk distributing station.

Washington Square:

Women's comfort station.
Foreman's office building.
Music stand.

Cherry Street Playground:

Playground house.

Ryan Park:

Attendant's room.

Riverside Park:

Guard house, Soldiers' and Sailors' Monument.
Women's comfort station at 79th street.

Thomas Jefferson Park:

Farm School building.

Central Park:

Swedish schoolhouse, exterior.
Pavilion on shore of lake near West 77th street.
Outlook pavilions at Belvidere.
Boat landing on large lake at West Drive opposite 74th street.
Sheepfold, Shepherd's quarters.
97th street storage yard—north and west storage sheds. Foreman's office.
85th Street Stables—Interior of west wing.
Workshops:

Office of Assistant Superintendent.
Carpenter's office.
Storeroom.

Urinals at the following toilet buildings: Sheep Meadow, Marble Arch, Arsenal, Ball Ground, 106th street, Fifth Avenue.

Arsenal Building:

Offices of the Director of Menagerie, Purchasing Agent, Chief Engineer, Secretary, Stenographers, Telephone Room, hallways, first and second floors.

Meteorological observatory.

Bridge on East Drive opposite 67th street.

Bridge on West Drive opposite 82d street.

Rustic arbor east of 59th street and Seventh avenue.

Rustic pavilions near dairy cottage.

Rustic umbrella summer house in the Ramble.

Rustic arbor on West Drive north of Webster Statue.

Boathouse, Conservatory Lake.

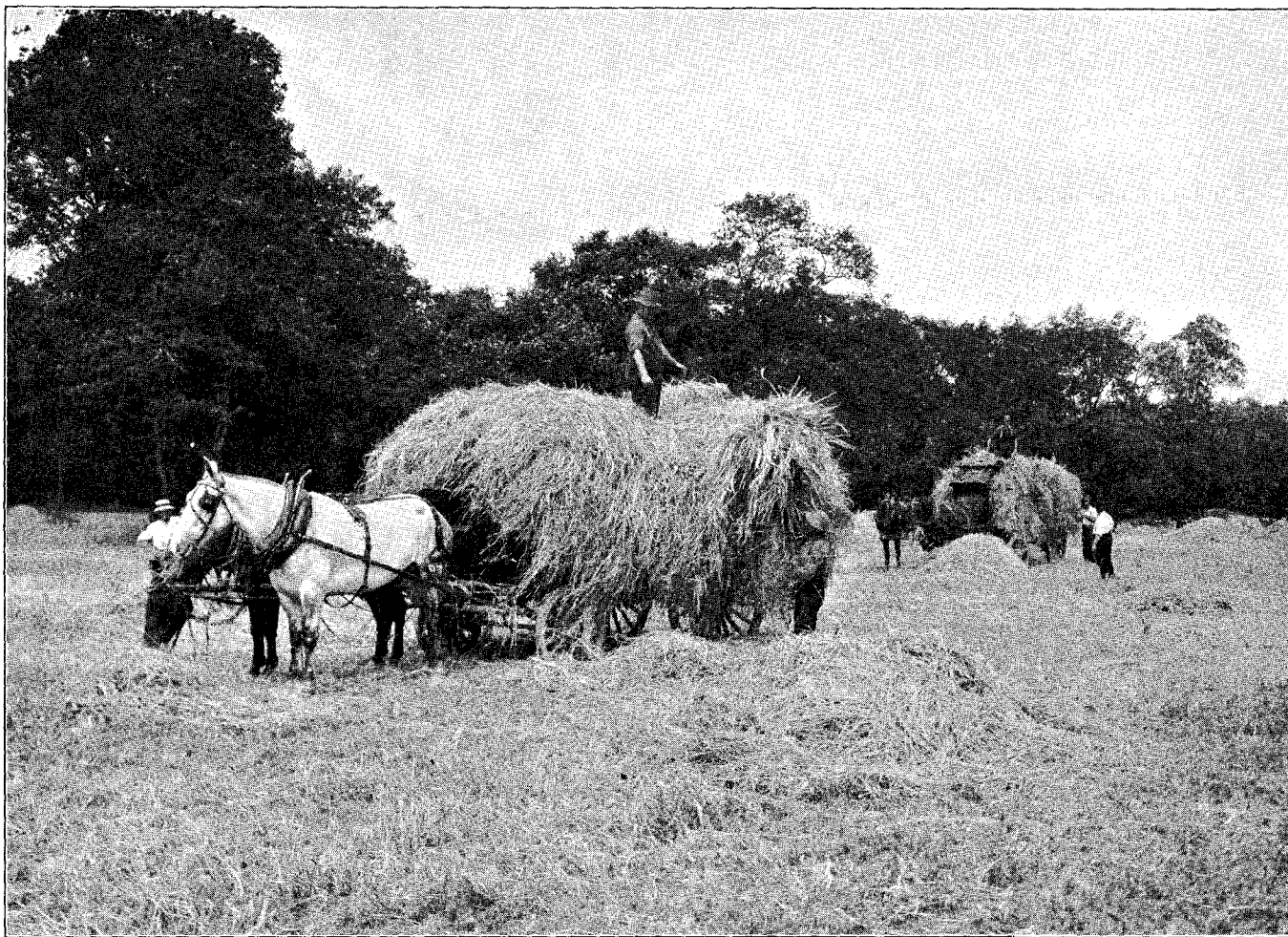
Bridge over pond north of 77th street, West Drive.

Bow Bridge, 72d street lake.

Toolhouse, Section 7.

Menagerie:

Cape buffalo house.
Zebu house.
Fence back of deer paddocks.
Minor repairs to all buildings.
Roof of elephant house.
Roof of monkey house.
Roof of deer house.



LOADING WINTER RYE IN CENTRAL PARK.

GREENHOUSES.

Painted exterior of cactus house, three propagating houses, tropical house, interior of palm house, shelving and partitions in growing house and potting sheds.
Shaded and removed shading on all houses as required during the year, according to season.

Renewed wood trim of the tropical house and show house.

Repaired gutters on all houses.

Glazed 281 lights of glass.

Reglazed 203 lights of glass.

Painted and reglazed 174 bed sash.

Isham Park, old Isham dwelling.

Speedway, grandstand.

Roger Morris Park, Jumel Mansion.

St. Nicholas Park, stairway at 135th street.

Jasper Oval, grandstand.

Mt. Morris Park, bell tower.

Stuyvesant Park, women's comfort station.

Abingdon Square, music stand.

The following buildings and structures were found to be beyond reasonable repair and were rebuilt:

CENTRAL PARK.

Wistaria arbor, north side of 72d street and Eighth avenue entrance.

Baby carriage run, 72d street near Fifth avenue.

Baby carriage run, 59th street and Seventh avenue.

Rustic pavilion, Japanese Point, 72d street lake.

Six hundred feet of three-rail wood fence erected at the ball ground, 174th street, High Bridge Park.

Two hundred and thirty feet heavy rail fence erected at Edgecombe avenue and 158th street, Colonial Park.

Four hundred and sixty-two feet of plank walk relaid and 670 feet of rail fence erected in Riverside Park between 100th street and 120th street on the slopes west of the retaining wall of Riverside Drive where the asphalt walk had been undermined and washed away.

Storage closets built on the platform at Jefferson Park School Farm.

Forty-eight feet of rustic fence was erected around the children's sand pit at 79th street, east of the West Drive; 150 feet of wire mesh fence 6 feet high was erected across the point of land on the west shore of the 72d street lake at about 77th street to prevent damage and abuse there which had made this point ragged and unkempt instead of being a pleasing picture to behold from the lake or other shores.

One hundred feet of rustic fence rebuilt in Ramble, Central Park.

Wire screens for the protection of the glass were made and put up on all outside windows of the field houses at Queensboro, West 59th street, and 101st street playgrounds, also on the windows of the pergola building facing the playground in DeWitt Clinton Park.

At Corlears Hook Park 100 feet of heavy iron rail fence was erected along the waterfront bulkhead opposite the lower end of the park and 183 feet of picket fence along the front of the Westfield garden. Three hundred and forty-four feet of picket fence at the playground was repaired. Four hundred and sixty-two feet of three-rail wooden fence, 3 feet 6 inches high, was erected around the new school farm on the large central lawn.

At the small lake at West 100th street in Central Park, known as "The Pool," the water was found to be polluted by sewage which was being discharged into it

from an old drain which, at some point outside the park boundary wall, had been connected with the street sewer. The lake is some forty feet or so below the street level and the sewer connection could not be found nor the drain itself sealed. A large receiving basin was built and an eight-inch sewer of vitrified pipe was laid from it to the outlet at the other end of the lake, where the sewage was emptied into the stream which connects with the large lake known as the Harlem Mere, which, on account of the lower level of the city east of the park, can be emptied into the regular sewer system.

MASON WORK.

10,000 brick laid in repairs to basins, etc.
 9,500 feet of cement walk laid in repairs.
 6,060 feet of asphalt block pavement laid.
 16 drain basins built.
 17 sewer basins repaired.
 900 feet of bluestone flag pavement relaid.
 350 feet of bluestone curb laid or reset.
 1,200 feet of asphalt tile pavement reset.
 2,700 square feet of wall plastered.
 1,477 feet of concrete curb built.
 1,250 feet of stone gutter reset.
 3,540 feet of bluestone steps reset and pointed up.
 228 feet of slate steps reset.
 600 feet of stone wall pointed up.
 1,650 feet of brick wall pointed up.
 300 feet of tile and marble floor and wall pointed up.

Sewer pipe laid:

4-inch, 114 feet; 6-inch, 638 feet; 8-inch, 656 feet; 10-inch, 88 feet; 12-inch, 36 feet.

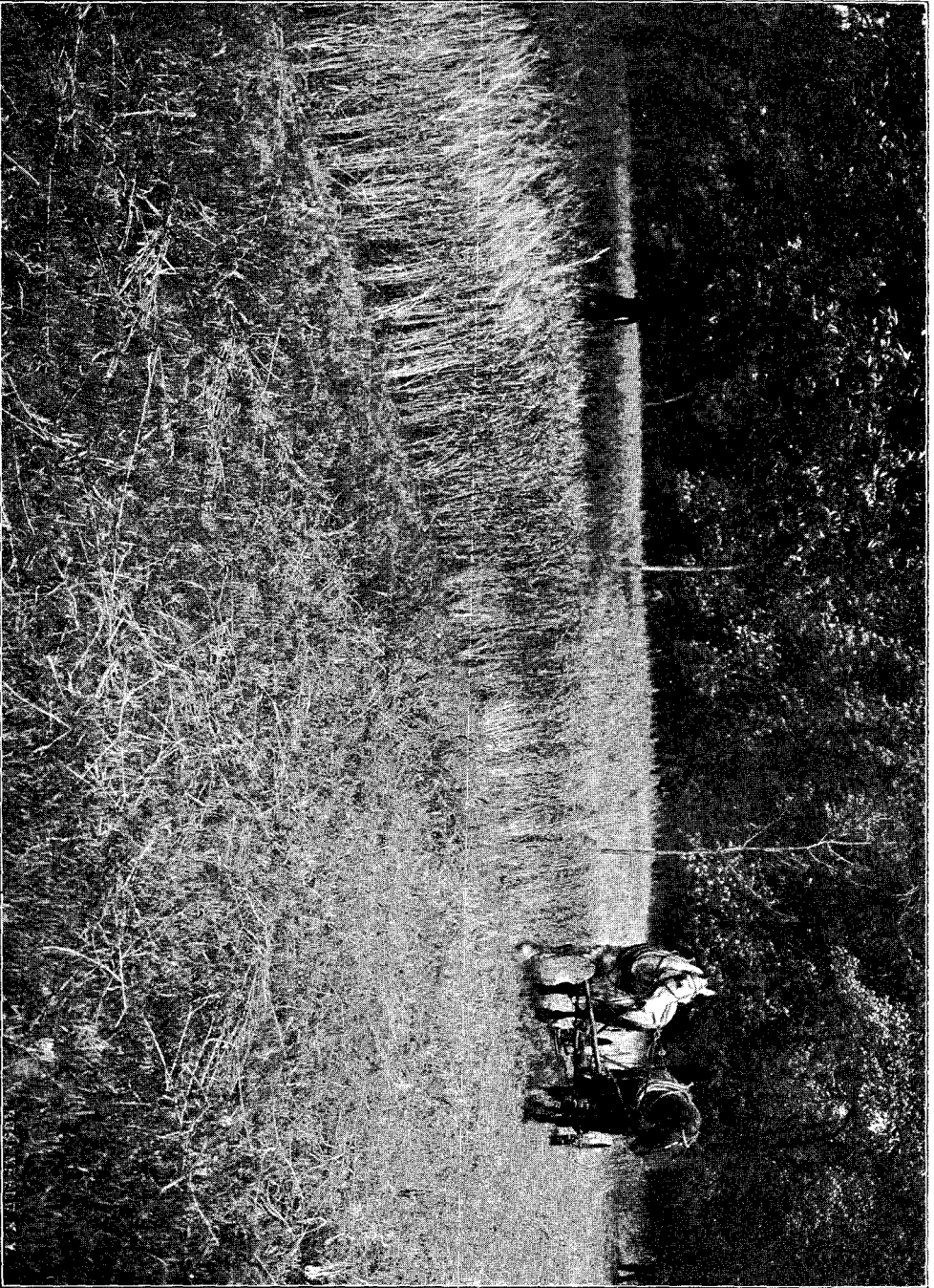
At the department workshops a thorough rearrangement was made of the main floor to secure more working space and facilitate the work of repair. A central store-room was built for supplies which heretofore were stored in the various workrooms, without any check upon their use, and a proper accounting system was installed. A steam heating system was put in to replace the old dangerous system of coal stoves.

The following additional power machinery was installed to do work formerly done by hand: lathe, joiner, parallel swing, saw and nipple cutter.

The following equipment, tools and apparatus were made and repaired at the department workshops during the year:

NEW STOCK MADE.

7 dump trucks.	120 barricade bucks.
6 dirt carts.	25 saddle trees.
6 grass carts.	4 toolboxes.
12 road hand carts.	2 squirrel houses.
26 box wheelbarrows.	7 stepladders, 6 to 18 feet.
8 sets double whiffletrees.	114 signboards.
6 sets single whiffletrees.	5 portable music stand platforms.
7 truck poles.	10 flower boxes.
4 pairs truck shafts.	1,836 5-foot tree stakes.
4 gutter plows.	857 10-foot tree stakes.
15 walk scrapers.	628 13-foot tree stakes.



CUTTING WINTER RYE IN CENTRAL PARK.

430 4-foot tree stakes.	2,000 sod stakes.
12 bulletin cases.	500 harrow pin wedges.
8 filing boxes.	15 8-inch maple balls.
42 window guards.	14 bulletin boards.
4 window frames.	2 speakers' platforms.
100 feed bag bottoms.	1 combination tool truck and office
2,199 8-foot fence posts.	(for use on road work).
148 pole saw handles, 13 to 14 feet.	

ROLLING STOCK OVERHAULED AND REBUILT.

6 single water trucks.	1 buggy.
1 double water truck.	1 automobile.
1 spring truck.	1 sand sprinkler.
3 light platform wagons.	1 dirt cart.

One hundred and forty-nine other pieces of rolling stock were repaired as needed during the year, also 733 pieces of equipment, tools and apparatus.

A full sized model was made of a section of the proposed ornamental iron fences for the Seventh avenue plots, also a mold for the casting of concrete drinking hydrants.

One thousand eight hundred and twenty-seven settees were repaired and distributed to the various parks, also 478 rubbish cans.

Four hundred and seventy-three sign boards were repaired and repainted and placed in the parks.

One thousand two hundred and forty lights of glass were put in the various park buildings.

Forty-seven thousand four hundred feet of pipe fence were erected, repaired and painted, also 281 feet of chain fence.

The old Swedish schoolhouse at 79th street and the West Drive, Central Park, which had for some years been in use as a public comfort station, was diverted from such use during the year upon the protest of representatives of organizations of Swedish-American citizens and the interior of the building remodeled and fitted up for use as an entomological laboratory and exhibition room for the department entomologist. The building was erected as a part of the Swedish government exhibit at the Centennial Exposition in Philadelphia, 1876, and was afterward presented to the City of New York and placed in Central Park. A garden was laid out on the hill in rear of the building. The wild cherry trees and underbrush were taken out, the ground spaded up, fertilized and graded. Paths were cut through and a waterway with wide concrete basins at intervals was constructed down the hillside. Along the course of the stream the banks were modeled to form the varying conformations of land and water, as capes, straits, peninsulas, etc., with the idea of making the garden available to schools for the study of physical geography as well as the study of plants and flowers.

At Eighth avenue and 86th street, which is the transfer point for passengers to and from the street car lines on those streets, a concrete shelter was built for the convenience of waiting passengers. The stone retaining wall of the park was removed and the earth excavated to the grade of the street, the excavated material being used to fill up the depression inside the park wall along Eighth avenue south of 86th street. The shelter is approximately twenty feet long, ten feet wide and eight feet high. The work was done by outside labor on open order, with the exception of the roof, which was built by the department mechanics.

A booth for the sale of newspapers, etc., was erected under the elevated railroad stairway at 42d street and Sixth avenue, Bryant Park, for the lessee of the privilege granted by the department.

The old police gate box was removed from the 72d street and Eighth avenue entrance at Central Park to the newly opened subway station at the lower end of Union Square, where it was remodeled for use of the lessee of the department privilege for the sale of newspapers, etc.

Two concrete rubbish pits were built at Thomas Jefferson Park.

Bulletin boards were put up at all the entrances to Central Park and notices posted on them calling attention to the law against the throwing of papers and rubbish on the walks and lawns.

New flagpoles were erected at Carl Schurz Park, St. Nicholas Park, East 101st street, West 59th street, and Five Points playgrounds, and Isham Park.

The old dwelling known as the Hart House, located in High Bridge Park, about 170th street, which had been badly damaged by fire early in the year was torn down and the cellar filled in. An old stable in Fort Washington Park, which also was damaged by fire, was razed and the site filled in with earth by outside contractors under permits issued by the department.

A lot of old sheds and outbuildings adjoining the sheepfold were removed, the yard cleaned up and graded, and a wire mesh fence erected to enclose it for use as a storage space for rolling stock.

Concrete baby carriage runs were built at 83d street and 111th street, Riverside Park, replacing the old wooden runs, which required frequent repair.

A concrete soaking tub, for the treatment of horses affected with lameness or sore feet, was built at the 86th Street Stables.

A concrete base was constructed under the iron fence fronting the buffalo and deer paddocks, and the space between the fence and the walk paved with asphalt blocks. This space was formerly maintained in grass, which was continually destroyed by the trampling of the visitors viewing the animals. The sod had to be entirely renewed every year and frequently patched during the summer. The new pavement obviates the expense and trouble of this work.

A flight of concrete steps was built in High Bridge Park, leading from the Speedway to the approach stairway of Washington Bridge, replacing the old dilapidated wooden steps.

A short concrete stairway, with side rails formed of concrete posts, with heavy iron chain strung between, was built in Fort Washington Park, at the entrance near 181st street.

A concrete floor was laid under the rock-a-bye swing, at De Witt Clinton Park, where the holes made by the scraping of the boys' feet along the ground at the swing created a source of danger to the children.

Drainage trenches were dug, and tile drains connecting with the sewer were laid at the nursery in Central Park to carry the water, which formerly lodged in the soil, making it difficult to carry on the work there after a storm for a day or two. After the completion of the drainage system the soil of the nursery was spaded up, fresh top soil and lime added, and the surface regraded.

At Carl Schurz Park, where the steep grades of the slopes facing the East River were being continually washed out by storms, a concrete curb was constructed on the outer edge of the walk on top of the slope to hold back the water. Drainage basins were built and connected with basins on the lower walk, and the process was repeated on the lower walk. On the face of the slope a depression was made, the sod being lifted, a quantity of soil removed, the trench graded and the sod relaid. This depression conducted the water to the drain basins. There was no trouble with washouts after the completion of the work.

Concrete drainage trenches were constructed in the basement of the Gracie Mansion, at Carl Schurz Park, in connection with the renovation of the building for social uses, and a concrete floor was laid in the men's toilet room.

The floor of the boiler-room at Seward Park was also concreted.

A concrete curb and retaining wall was constructed around the alligator pool, in the Menagerie, Central Park, which had been reconstructed by outside labor on open order, and a substantial wire mesh fence with iron supports was erected.

The surface of the 97th street storage yard, which had long been simply a mud-hole, was paved with concrete, and the roadway approach was surfaced with asphalt blocks.

The South Meadow grounds in Central Park, located just north of the large reservoir, were filled in with gravel, and rolled to form a foundation for the proposed asphalt tennis courts. Gravel for this work, as well as for the concreting of the 97th street storage yard, was made available by the construction of the new bituminous concrete roadway on the greater portion of the West Drive; which work was done under contract during the summer. The greater portion of the old gravel from the roadway was stored on top of Bolivar Hill, and a considerable portion of that required for the storage yard and the tennis grounds had to be hauled from that point by department teams. During the progress of the work, however, arrangements were made with the contractor to haul the gravel to those points direct, instead of to Bolivar Hill.

At 93d street and 5th avenue faulty drainage inside the park wall caused the water to collect and find its way through the park boundary wall at two points. This condition had caused trouble for some years, especially in winter, when the water which came through the wall and flowed along the sidewalk on the down grade to 96th street formed ice, making it a source of danger to pedestrians. Several previous attempts had been made to correct the trouble from within the park, but without avail. Last fall drainage basins were built below the walk level, outside the park wall, at the points where the water came through, and these were connected with the sewer at 94th street, by means of a vitrified drain, with the result that there has been no further trouble there.

A similar condition was found to exist at the foot of the main stairway at 116th street, Morningside Park, and was corrected by proper drainage.

A concrete box was built for the control of the new water supply system to the Bethesda fountain in Central Park, and considerable plumbing work was done in connection with the renovation of that fountain preparatory to the repaving of the floor of the Esplanade, in which it is situated. The space under the Terrace Bridge, formerly used as a refreshment room, was cleaned out, and made ready for the new pavement. The old counters, partitions, etc., were torn down, the walls and ceiling were thoroughly scraped and washed, to bring out the coloring of the original tile wall facings and ceiling panels, and the iron framework of the ceiling was red-leaded preparatory to gilding it.

A sand-box for children was built in the open space east of the Kinderberg, Central Park, a favorite spot for nurses and children.

A concrete chamber was built under the marble drinking fountain at 116th street and Riverside Drive, to facilitate the operation of the fountain, the mechanism controlling it being previously accessible only by excavation.

At the tuberculosis boat, *Westfield*, opposite Corlears Hook Park, a fence was erected to enclose a space for a garden, and good top soil was delivered and spread within the enclosure.

The winter platform for outdoor treatment of convalescent children was erected at the De Witt Clinton School Farm for the winter of 1912-1913.

The usual arrangements were made for the concert season in the parks. Portable bandstands were provided at Bryant Park, Chelsea Park, Morningside Park, Queensboro Bridge, Curtis Field, and the other Staten Island parks, in all of which there are no permanent music pavilions. The increased number of concerts given, especially in the Borough of Richmond, where they were held at many points where no con-

certs had been previously given, and the program at nightly concerts given on the Mall in Central Park during July and August greatly increased the work of the labor force over previous years, as no extra force was provided for the purpose.

The complete program of concerts for the season of 1912 is as follows:

SEASON 1912.

PARK CONCERTS.

Boroughs of Manhattan and Richmond.

		June.	July.	August.	September.
BOROUGH OF MANHATTAN.					
Abingdon sq.....	Wed. 8.00 P.M.	4, 10, 17, 24, 31	7, 14, 21, 28	4	
Battery.....	Fri. 8.00 P.M.	4, 12, 19, 26	2, 9, 16, 23, 30	6	
Bryant.....	Fri. 8.00 P.M.	4, 12, 19, 26	2, 9, 16, 23, 30	6	
Carl Schurz.....	Thur. 8.00 P.M.	4, 11, 18, 25	1, 8, 15, 22, 29	5	
Central Park.....	Sun. 4.00 P.M.	2, 9, 16, 23	7, 14, 21, 28	4, 11, 18, 25	1, 8, 15, 22
	Tues. 8.00 P.M.	2, 9, 16, 23, 30	6, 13, 20, 27		
	Wed. 8.00 P.M.	3, 10, 17, 24, 31	7, 14, 21, 28		
	Thur. 8.00 P.M.	4, 11, 18, 25	1, 8, 15, 22, 29		
	Fri. 8.00 P.M.	5, 12, 19, 26	2, 9, 16, 23, 30		
	Sat. 4.00 P.M.	8, 15, 22, 29	6, 13, 20, 27	3, 10, 17, 24, 31	7, 14, 21, 28
	Sat. 8.00 P.M.	6, 13, 20, 27	3, 10, 17, 24, 31		
Chelsea.....	Tues. 8.00 P.M.	4, 9, 16, 23, 30	6, 13, 20, 27	3	
Colonial.....	Sun. 4.00 P.M.	4, 7, 14, 21, 28	4, 11, 18, 25		
Columbus.....	Wed. 8.00 P.M.	4, 10, 17, 24, 31	7, 14, 21, 28		
Corlears Hook.....	Mon. 8.00 P.M.	4, 8, 15, 22, 29	5, 12, 19, 26		
DeWitt Clinton.....	Sun. 4.30 P.M.	7, 14, 21, 28	4, 11, 18, 25	1	
Fort Washington.....	Sun. 4.00 P.M.	4, 7, 14, 21, 28	4, 11, 18, 25		
Hamilton Fish.....	Thur. 8.00 P.M.	4, 11, 18, 25	1, 8, 15, 22, 29	5	
Hudson.....	Fri. 8.00 P.M.	4, 12, 19, 26	2, 9, 16, 23, 30		
Morningside.....	Sat. 4.00 P.M.	4, 13, 20, 27	3, 10, 17, 24, 31	7	
Mount Morris.....	Tues. 8.00 P.M.	4, 9, 16, 23, 30	6, 13, 20, 27	3	
Queensboro Bdge.....	Sun. 4.00 P.M.	4, 14, 21, 28	4, 11, 18, 25		
Seward Park.....	Fri. 8.00 P.M.	4, 12, 19, 26	2, 9, 16, 23, 30	6	
Tompkins square.....	Mon. 8.00 P.M.	4, 8, 15, 22, 29	5, 12, 19, 26		
Washington sq.....	Mon. 8.00 P.M.	4, 8, 15, 22, 29	5, 12, 19, 26		
BOROUGH OF RICHMOND.					
Curtis Field.....	Sat. 8.00 P.M.	22	13, 27	10, 24	7, 21
Port Richmond.....	Fri. 8.00 P.M.		12, 19	2, 16, 30	
Washington Park,					
Stapleton.....	Fri. 8.00 P.M.	12, 26		9, 16, 23, 30	6
Tottenville.....	Thur. 8.00 P.M.	18		1, 15, 22, 29	
Pleasant Plains.....	Thur. 8.00 P.M.	11, 25		8	5
Westerleigh.....	Thur. 8.00 P.M.	11, 25		8, 22	5
Alaska Park.....	Wed. 8.00 P.M.	17, 31		14, 28	

A special concert was given at the Mall, Central Park, on Sunday evening, September 1, by the Bethlehem Steel Company Band, under the auspices of Mr. Charles Schwab. The band consisted of one hundred pieces, and the bandstand was enlarged by the construction of additions on the north and south sides to accommodate the full band.

On Sunday, September 22, the United German Singing Societies of New York gave a vocal concert, in connection with the regular concert on the Mall. About 400 singers took part, a special stand having been erected for them.

Special seats were reserved for the use of the blind at all the concerts on the Mall.

In connection with the Fourth of July celebrations by the City, a long program of concerts, games, and fireworks was held in nearly all the parks. The complete program is given herewith:

FOURTH OF JULY PROGRAM

Battery Park:

Games, 2 P.M.; Concert and Fireworks, 8 P.M.

Abingdon square:

Concert and Fireworks, 8 P.M.
Concert, 4 P.M.; Concert, 8 P.M.

Bryant Park:

Concert and Fireworks, 8 P.M.

Carl Schurz Park:

Concert, 8 P.M.; 4th of July Celebration, 10 A.M.; Concert, 4 P.M.

Central Park:

Concert, 8 P.M. (Mall); City History Club Celebration at Fort Clinton, McGowan's Pass, 10 A.M.

Cherry street Playground:

Games, 2 P.M.

Columbus Park:

Games, 2 P.M.; Concert, 8 P.M.; 4th of July Celebration, 4 P.M.

Corlears Hook Park:

Concert, 10 A.M.; Games, 2 P.M.; Concert and Fireworks, 8 P.M.

City Hall Park:

4th of July Celebration, 8.30 A.M. to 12.30 P.M.—7.00 P.M. to 10.00 P.M.

Empire Park:

Concert, 10 A.M.

Chelsea Park:

Games, 2 P.M.; Concert, 4 P.M.; Concert, 8 P.M.

Colonial Park:

Concert, 10 A.M.; Concert, 4 P.M.; Fireworks.

DeWitt Clinton Park:

Games, 2 P.M.

Fort Washington Park:

Concert, 10 A.M.; 4th of July Celebration.

Hudson Park:

Concert, 8 P.M.

Grant's Tomb:

4th of July Celebration, 10 A.M.—4 P.M.
8 P.M.

Hamilton Fish Park:

Concert, 10 A.M.; Games, 2 P.M.; Concert, 8 P.M.

Morningside Park:

Concert, 4 P.M.; Concert, 8 P.M.

Mount Morris Park:

4th of July Celebration, 10 A.M.; Concert, 8 P.M.

Queensboro Bridge Playground:

Games, 2 P.M.; Concert, 3 P.M.; Fireworks, 8 P.M.

Seward Park:

Games, 2 P.M.; Concert 8 P.M.

St. Gabriel's Park:

Games, 2 P.M.; Fireworks.

Tompkins Square Park:

Concert, 10 A.M.; Games, 2 P.M.; 4th of July Celebration, 9 A.M.; Concert, 8 P.M.; Fireworks.

Thomas Jefferson Park:

Games, 2 P.M.; 4th of July Celebration 4 P.M.; Concert, 4 P.M.

West 50th street Playground:

Games, 2 P.M.

Yorkville Playground:

Games, 2 P.M.

Washington Square Park:

Concert, 8 P.M.; Concert 4 P.M.

East 17th street:

Fireworks.

John Jay:

Concert 10 A.M.—4 P.M.; Fireworks.

St. Nicholas:

Fireworks.

Washington Bridge:

Fireworks.

Park avenue and 88th street:

Fireworks.

All arrangements for stands, chairs, lights and attendants were perfectly carried out by the foremen and laborers, who worked many hours overtime on that day without complaint.

For the civic parade, which was held under the direction of the Mayor's Fourth of July Committee, a department exhibit was prepared, consisting of an old-fashioned load of hay, and a playground float, upon which were set up swings, see-saws and slides, which the children played on as the float passed along the line of march. Both features proved very attractive, and were given great applause all along the line.

The following celebrations, for which the usual arrangements of bandstands, seats for the spectators and guests, decorations, etc., were made, were held during the year:

- April 13.....Opening of 101st street Playground.
- April 20.....Opening of Five Points Playground.
- Apr. 27.....Celebration of the planting of the Japanese Cherry Trees,
Sakura Park, Opposite Grant's Tomb.
- May 11.....Opening of Cherry street Playground.
- May 17.....Folk dancing fête, girls' branch, Public Schools Athletic
Leagues on the Sheep Meadow, Central Park.
- May 22.....Dedication of Lowell Memorial Fountain, Bryant Park.
- May 25.....Playground festival, Chelsea Park.
- May 25.....Historical Pageant, Hudson Park.
- May 30.....Memorial Parade along Riverside Drive to 91st street,
and exercises at the Soldiers and Sailors Monument.
Memorial exercises at Grant's Tomb.
Unveiling of tablet to Governor Dongan at Bowling Green.
Memorial Day celebration, Jones street Settlement House.
- June 11.....Unveiling of Memorial tablet to the drowned sailors of
the U. S. Steamship New Hampshire on boulder, in River-
side Park at 151st street opposite point where their boats
were sunk during the Naval Review in 1911.
- June 29.....Playground festival, Carl Schurz Park.
- Aug. 3.....Playground Carnival "Fairylend" on the Sheep Meadow,
Central Park.
- Sept. 28.....Opening of Isham Park.
- Oct. 16.....Celebration at the Giant Tulip tree at Inwood.
- Dec. 25 to Jan. 1..Public Christmas tree Celebration at Madison square
Park.
- Dec. 27.....Entertainment and Carnival of the playground children
of the Department at Wendel's Assembly Rooms, West
44th street.

CHILDREN'S SCHOOL FARMS.

The usual help was provided for the school farms during 1912. The plots were spaded up in the spring, and flower beds planted with summer bedding plants and with bulbs in the fall. The buildings, fences, etc., were repaired as required. The hydrants at De Witt Clinton garden were connected with the sewer, to take the drainage, and fine gravel was delivered for the paths in the garden.

At Jefferson Park Garden, lockers were built for the storage of materials, and a water supply was installed in the cottage.

Ground was broken for a new garden at Corlears Hook Park. The lower half of the large central lawn was set aside for the purpose. This lawn was plowed and fertilized, and made ready for grading and dividing into plots in the spring. A fence was erected to enclose the garden on all sides.

SCHOOL GARDENS.

School gardens were established and maintained during the season at the three Delancey street plots, between Forsyth street and Orchard street, for the benefit of the children of the adjacent public schools. The gardens were planted by the Department gardeners, and a gardener was detailed to help the children care for them.

Plots for similar gardens were set aside at Seward Park and Hamilton Fish Park. These plots were plowed, fertilized and graded, and enclosed by high wire mesh fences. The work was done too late to have the gardens in use before 1913.

At Chelsea Park the garden plot on the east side of the public school located in the park was spaded up, fertilized and graded for the school children and bulbs planted for spring flowering.

A garden was also prepared at Isham Park and laid out in plots for the children of the Inwood public school.

HORTICULTURE.

The usual display of flowers was furnished in the parks during the year—tulips, narcissus, crocus, pansies and daisies, etc., in spring, geraniums, coleus, cannas, etc., in the formal flower beds in summer. On account of the increased demand for bedding plants for the new school gardens, the supply propagated at the Department greenhouses did not suffice for all the department needs, and plants for the school gardens had to be purchased in open market.

The display of rare and exotic plants, palms, etc., was maintained for public view during the year. The special Easter and chrysanthemum shows were given, as usual.

SKATING.

There were 38 days' skating in the parks of Manhattan and Richmond during the winter season of 1911 and 1912. The first day's skating was on the lake at Silver Lake Park, where the required five inches of ice were found in good condition on January 7, 1912. On the following day, January 8, the lakes in Central Park were thrown open to the public, and remained open almost continuously until February 19, when a heavy thaw set in, making it dangerous to keep it open any longer. The lakes were kept open, as a rule, from about 9 A. M. to 10 P. M., calcium lights being used at night on all the Central Park lakes. During the skating season there were heavy snow storms on January 7, 12, and 29, which made it necessary to remove the snow from the lakes to permit skating. Extra help was put on the work, and a sufficient area was cleaned to permit skating the day following the storm.

The Conservatory Lake was opened for fancy skating, its use being restricted to persons holding special permits issued by the Commissioner.

Not one serious accident was reported on any of the lakes during the skating season.

BOROUGH OF RICHMOND.

The main work of the department force in the Borough of Richmond during 1912 was in connection with the planting and care of trees on the streets, the parks receiving only the usual routine of cleaning, etc.

The trees along the principal thoroughfares of Port Richmond, Stapleton, Westleigh, New Brighton, West New Brighton, and Rosebank, were pruned and trimmed, and all special requests for attention to trees in the other parts of the borough were promptly complied with.

Sixty-three dead and dangerous trees were removed as follows:

Silver Lake Park	6
Washington Park, Stapleton	1
Westerleigh Park	1
Port Richmond Park	1
Port Richmond:	
Jewett avenue	3
Richmond avenue	1
Albion place	1
Richmond terrace	3
Livingston, Bard avenue	6
New Dorp:	
Ocean avenue	13
New Dorp lane	3
Maple avenue	3
Third street	1
Sea View avenue	1
Tompkinsville, St. Paul's avenue	1
St. George, Stuyvesant place	2
Arlington:	
Richmond terrace	1
Catherine street	1
Stapleton:	
Laurel avenue	1
Canal street	4
Beach street	1
Wright street	1
West Brighton:	
Manor road	1
Lafayette avenue	2
Castleton avenue	1
Bement avenue	1
Westerleigh, Jewett avenue	1
New Brighton, Westervelt avenue	1
Fort Wadsworth, Tompkins avenue	1

REPORT OF ARCHITECT'S OFFICE FOR THE YEAR ENDING DECEMBER 31, 1912.

METROPOLITAN MUSEUM OF ART.

ADDITION "H," INTERIOR FINISH.

Plans and specifications prepared by Messrs. McKim, Mead & White, Architects; plans approved by Art Commission, July 11, 1911; plans and specifications approved by Board of Estimate, November 9, 1911; advertised December 26, 1911; bids opened January 4, 1912. The following put in their bids:

John T. Brady & Co	\$329,840
Luke A. Burke & Sons Co	326,000
Richard E. Henningham	315,000
Marble Arch Co	337,000
Chas. H. Peckworth	324,916
M. Reed & Co	346,500
Louis Wechsler	347,750
Wills & Marvin	315,483

Contract awarded to Richard E. Heningham, \$315,000; contract dated January 26, 1912. The contractor was notified to commence work February 13, 1912. The time allowed on the contract is 300 calendar days.

The contract on this work is progressing very rapidly, and it is expected that the building will be ready for occupancy by the end of March, 1913.

CORK FLOORS IN PICTURE GALLERIES.

Plans and specifications prepared by the Architect of the Department of Parks; approved by Board of Estimate, January 18, 1912; advertised, February 19, 1912; bids opened, February 29, 1912. The following were the bidders:

Hasbrouck Flooring Co.....	\$18,875
David E. Kennedy.....	21,140
Neptune B. Smyth.....	27,180

The contract was awarded to David E. Kennedy, \$21,140; contract dated March 22, 1912; contractor notified to commence work, June 17, 1912; time allowed on the contract, 90 calendar days; time extended two weeks by resolution Park Board; contract completed October 29, 1912.

BOILER HOUSE.

Plans and specifications prepared by Messrs. McKim, Mead & White, Architects; plans approved by Art Commission, September 12, 1911; plans and specifications approved by Board of Estimate, January 11, 1912; contract advertised, February 10, 1912; bids opened, February 21, 1912. The following were the bidders:

Benedetto & Egan Construction Co.....	\$276,900
John T. Brady & Co.....	278,840
P. J. Brennan & Son.....	265,500
Luke A. Burke & Sons Co.....	264,500
Richard Carvel Co.....	259,970
Durkin & Lass.....	252,493
Paul J. Exner Co.....	263,000
Fountain & Choate.....	268,600
Richard E. Heningham.....	269,253
Libman Contracting Co.....	253,869
McHarg-Barton Co.....	276,872
Marble Arch Co.....	293,400
Chas. H. Peckworth.....	263,459
Wills & Marvin Co.....	249,942
Albert Winternitz.....	269,000

Contract awarded to Wills & Marvin Co., \$249,942; contract dated, March 30, 1912; contractor notified to commence work May 6, 1912; time allowed on the contract, 350 working days; extra, March 29, 1912, for temporary boiler house, \$4,500.

This contract is well under way, and the structural steel is practically all erected, and the concreting of floor arches has begun. It is expected that this building will be completed within the time allowed by the contract.

NEW CARPENTER SHOP.

Plans and specifications prepared by Messrs. McKim, Mead & White, Architects; plans approved by Art Commission, October 12, 1911; approved by Board of Estimate,

March 28, 1912; advertised, May 25, 1912; bids opened, June 6, 1912. The following were the bidders:

Benedetto & Egan Construction Co.	\$53,986
Julius Braunstein	52,697
Edmund D. Broderick	55,985
Thos. J. Buckley Construction Co.	49,999
Richard Carvel Co.	54,310
Cockerill & Little Co.	50,890
Durkin & Lass	45,227
Grant Contracting Co.	60,000
A. L. Guidone & Co.	55,450
Harry Hansen	44,799
Richard E. Henningham	51,303
Wm. Horne Co.	52,700
A. V. Johnson & Co.	57,300
Kelly & Kelley	52,300
J. M. Knopp	59,159
Marble Arch Co.	53,900
Chas. H. Peckworth	49,235
Neptune B. Smyth	55,700
Tower Construction Co.	49,898
J. F. Walsh & Bro.	48,940
Chas. Wille	53,600
Wills & Marvin Co.	46,878

Contract was awarded to Harry Hansen, \$44,799; contract dated, August 7, 1912; contractor notified to commence work, August 12, 1912; time allowed on the contract, 250 working days.

Work on this building is progressing very rapidly. All the structural steel has been erected, and the brickwork is completed up to the second-story level. It is expected that the work will be completed within the time allowed by the contract.

CARRIAGE ENTRANCE TO ADDITION "E."

Plans and Specifications prepared by Messrs. McKim, Mead & White, Architects; plans approved by Art Commission, November 14, 1911; approved by Board of Estimate, January 10, 1912; advertised, February 27, 1912; bids opened, March 7, 1912. The following were the bidders:

Federal Brass & Bronze Co.	\$17,885
Richard E. Henningham	16,454
Wm. Horne Co.	16,400
Kelly & Kelley	17,100
J. M. Knopp	15,641
Marble Arch Co.	15,400
Howard H. Peterson	17,483
Daniel J. Ryan	14,986
Neptune B. Smyth	16,780
Tower Construction Co.	14,674
Wills & Marvin Co.	16,666

Contract awarded to Tower Construction Co., \$14,674; contract dated May 14, 1912; contractor notified to commence work, May 27, 1912; time allowed on contract, 90 working days; time extended, resolution Park Board, October 2, 1912, 20 working days.

ALTERATION TO RESTAURANT.

Plans and specifications prepared by McKim, Mead & White; approved by Board of Estimate, September 11, 1912; advertised, April 8, 1912; bids opened, but ran over appropriation, and the work was readvertised, July 12, 1912; bids opened, July 18, 1912. The following were the bidders:

Benedetto & Egan Construction Co.....	\$4,948
E. D. Broderick.....	4,623
Harry Hansen.....	4,379
Wm. Horne Co.....	4,170
Lincoln-Steele-Fleming Co.....	3,947
Neptune B. Smyth.....	4,400

The contract was awarded to Lincoln-Steele-Fleming Co., \$3,947; contract dated, August 20, 1912; contractor notified to commence work, August 26, 1912; time allowed on contract, 60 working days; time extended 35 working days, November 14, by resolution of Park Board. The contract was completed the latter part of December, 1912.

AMERICAN MUSEUM OF NATURAL HISTORY.

EXCAVATION FOR NEW ADDITION.

Plans and specifications prepared by Trowbridge & Livingston; approved by Board of Estimate, December 7, 1911; advertised, December 18, 1911; bids opened, December 28, 1911. The following were the bidders:

Benedetto & Egan Construction Co.....	\$48,828
Richard Carvel Co.....	67,500
Cockerill & Little Co.....	59,873
Degnon Contracting Co.....	91,800
Jas. Dempsey Co.....	75,900
Chas. L. Doran Contracting Co.....	68,634
Dunbar Contracting Co.....	53,952
Godwin Construction Co.....	59,400
Marble Arch Co.....	58,300
Chas. Meads Co.....	68,100
Patrick Reddy.....	58,750

Contract awarded to Benedetto & Egan Construction Co., \$48,828; contract dated, January 19, 1912; contractor notified to commence work, March 4, 1912; time allowed, 90 working days; extension of 90 days granted by resolution of Park Board; contract completed, November 23, 1912.

LIBRARY STACKS.

Plans and specifications prepared by Trowbridge & Livingston; approved by Board of Estimate, June 20, 1912; advertised, August 5; bids opened, August 15, 1912. The following were the bidders:

Art Metal Construction Co.....	\$5,334.85
Library Bureau.....	4,483.95
Snead & Co. Iron Works.....	4,260.00
Van Dorn Iron Works.....	7,900.00

Contract awarded to Snead & Co. Iron Works, \$4,260; contract dated October 11; contractor notified to commence work, October 17, 1912; time allowed on contract, 90

days; extended by Park Board resolution to December 31; contract completed, December 31.

ERECTING NEW MEZZANINE FLOOR ON EASTERLY STAIRWAY, BETWEEN FOURTH AND FIFTH STORIES.

Plans and specifications prepared by Trowbridge & Livingston; approved by the Board of Estimate, May 31, 1912; advertised, August 5, 1912; bids opened, August 15, 1912. The following were the bidders:

Jos. Di Benedetto.....	\$2,598
Dunn & Sheridan.....	2,987
William H. Egan.....	2,980
Keepsdry Construction Co.....	3,490
J. M. Knopp.....	3,492
Howard H. Peterson.....	3,121

Contract awarded to Joseph Di Benedetto, \$2,598; contract dated, October 14; contractor notified to commence work the same date; time allowed on contract, 60 calendar days. Work is expected to be complete the beginning of January, 1913.

METAL STORAGE CABINETS.

Plans and specifications prepared by Architect of the Department of Parks; advertised, May 27; bids opened, June 6, 1912. The following were the bidders:

Canton Art Metal Co.....	\$7,246
Crown Metal Construction Co.....	5,192
Nicholson & Galloway.....	4,092
Van Dorn Iron Works.....	3,872

Contract awarded to Van Dorn Iron Works, \$3,872; contract dated, July 1, 1912; contractor notified to commence work, July 8, 1912; time allowed on contract, 60 working days; extended by Park Board to October 25; contract completed, October 25, 1912.

WOOD-WORKING MACHINERY.

Plans and specifications prepared by Architect, Department of Parks; advertised, July 15, 1912; bids opened, July 25, 1912. The bidders were:

American Wood Working Machinery Co.....	\$1,100
Alfred Chatwin Supply Co.....	1,260

Contract awarded to American Wood Working Machinery Co., for \$1,100; contract dated, August 29, 1912; time allowed, 60 working days; work completed, October 23, 1912.

ERECTION OF FIREMEN'S MEMORIAL, RIVERSIDE DRIVE.

Plans and specifications prepared by H. Van Buren Magonigle; approved by Board of Estimate, July 17, December 11, 1911, and March 14, 1912; contract awarded without public letting to J. L. Ward Co.; contract dated June 14, 1912; amount of contract, \$23,000; time extended to May 15, 1913.

SETTING OF THE SCULPTURE FOR FIREMEN'S MEMORIAL.

Plans and specifications prepared by H. Van Buren Magonigle; approved by Board of Estimate, July 17, December 11, 1911, and March 14, 1912; contract awarded without public letting to Attilio Piccirilli, for \$17,000; contract dated June 6, 1912; extension of time granted to May 15, 1913.

ERECTION OF CARL SCHURZ MEMORIAL, MORNINGSIDE PARK, WEST 116TH STREET.

Plans and specifications prepared by Henry Bacon, Architect; approved by Board of Estimate, July 17, 1911; contract awarded without public letting to Piccirilli Bros., for \$19,753; contract dated June 20, 1912.

Work on this monument is well advanced; all the granite is practically finished at the shops; the bronze work is ready for delivery, and it is arranged to dedicate this monument on May 10, 1913.

BRONZE RAILINGS AND LAMP POSTS, CARL SCHURZ MEMORIAL.

Plans and specifications prepared by Henry Bacon, architect; Karl Bitter, sculptor; contract awarded without public letting to Roman Bronze Co., for \$3,040; will be ready for dedication May 10, 1913; contract dated, June 4, 1912.

QUEENSBORO BRIDGE COMFORT STATION,

60TH STREET AND SUTTON PLACE.

Plans and specifications prepared by Architect, Department of Parks; plans approved by Art Commission, June 13, 1911; approved by Board of Estimate, June 3, 1910; advertised, September 26, 1911; bids opened, October 5, 1911. The following were the bidders:

Geo. F. Driscoll	\$9,880
A. V. Johnson & Co.	11,989
Kelly & Kelley	9,557
Chas. Meads & Co.	8,820
Daniel J. Ryan	10,690
Charles Wille	8,543

Contract awarded to Charles Wille, \$8,543; contract dated, December 11, 1911; contractor notified to commence work, March 18, 1911; time allowed on contract, 100 working days; extended by resolution of Park Board to September 30, 1912; contract completed, October 30, 1912.

This building is erected of reinforced concrete, with copper roof, and has toilet facilities for boys, shower and bath-room, locker rooms for boys using the large playground, together with attendant's room, boiler room, coal room, also a storage room for gymnasium apparatus.

COMFORT STATION IN CENTRAL PARK,

(NEAR THE SWISS COTTAGE.)

Plans and specifications prepared by Architect, Department of Parks; plans approved by Art Commission, June 7, 1910; approved by Board of Estimate, June 3, 1910; advertised, March 13, 1911; bids opened, March 23, 1911. The following were the bidders:

Richard Carvel Co.....	\$21,996
Kelly & Kelley, Inc.....	23,752
Benedetto & Egan Construction Co.....	24,899
Edmund D. Broderick.....	27,600
Geo. F. Driscoll.....	24,887
A. W. Gray Co., Inc.....	24,995
Thos. J. Buckley Construction Co.....	23,190
A. L. Guidone & Co.....	25,645
J. R. Shehan.....	28,700
Albert Winternitz.....	26,463
Masonry Construction Co.....	24,875
Thos. J. McKeown, Inc.....	22,997
Wm. Horne Co.....	24,900
Thos. Dwyer.....	24,700
Paul J. Exner.....	22,300
T. A. Clarke Co.....	25,889
Madison Building Co.....	26,026
Cornelius J. Horgan.....	31,300
Wm. H. Wright & Son, Inc.....	24,739
Grant & McClosky.....	24,750
J. I. Valentine.....	24,824
H. C. Stowe Construction Co.....	29,900
Concord Construction Co.....	25,783
Charles Wille.....	23,336

The contract was awarded to Richard Carvel Co., for \$21,996. Contract dated April 24, 1911. Contractor notified to commence work May 15, 1911; time allowed on contract, 125 working days; time extended by resolution of Park Board, 30 working days; contract completed, April 16, 1912.

This building is of English Gothic design, constructed of light rubble granite, trimmed with light stone, with slate roof; contains accommodations for men and women; attendants' rooms; boiler and coal room, and large tool room used for park implements. The toilet rooms are lined with Carrara glass, and all toilet room partitions, jamb and trim are also of Carrara glass. The floor is of tile, and in all respects this Comfort Station is one of the most modern and sanitary buildings erected by this Department.

ALTERATION COMFORT STATION AT CHELSEA PARK.

(28TH AND 29TH STREETS AND 10TH AVENUE.)

Plans and specifications prepared by Architect of the Department of Parks; approved by the Board of Estimate, March 28; advertised, March 30; bids opened, April 11, 1912. The following were the bidders:

Altrades Building Repair Co.....	\$3,670
Clark & Appleman.....	4,169
Cornelius J. Horgan.....	2,473
Wm. Horne Co.....	3,170
John E. Kuhn.....	2,970
M. D. Lundin.....	2,868
Jacob Levy.....	3,793
Christopher Nally.....	3,497
Neptune B. Smyth.....	3,239
Solomon & Kramer.....	2,973
Edward Theriault.....	2,939

Contract was awarded to Cornelius J. Horgan, \$2,473; contractor notified to commence work May 20, 1912; contract dated May 14, 1912; time allowed on contract, 50 working days; time extended by resolution of Park Board 20 days; work completed, August 15, 1912.

The children's building was altered for the accommodation of men and boys.

COMFORT STATION AT COOPER SQUARE.

(6TH STREET AND 3D AVENUE.)

Plans and specifications prepared by the Architect, Department of Parks; final plans approved by Art Commission, May 29, 1912; approved by Board of Estimate, September 26, 1912; advertised, August 19; bids opened, August 29, but ran over appropriation; specifications subdivided, as per new law, September 1; readvertised, November 21; bids opened, December 5, 1912. The following were the bidders:

GENERAL CONSTRUCTION.

Jos. Balaban Co.....	\$20,352
Edmund D. Broderick.....	22,760
Carlton Co., Inc.....	21,576
Chas. L. Doran Cont. Co.....	23,673
Wm. H. Egan.....	19,900
H. L. Haffen Cont. Co.....	18,778
Hansen & McHugh.....	17,679
A. V. Johnson & Co.....	19,667
Thos. McKeown.....	21,200
Merrick Fireproofing Co.....	21,000
Midtown Contracting Co.....	20,897
Neptune B. Smyth.....	18,989
Thompson & Kelsey.....	21,421
John F. Walsh & Bro.....	19,054
Wm. Werner.....	22,989
Chas. Wille.....	18,975

Contract awarded to Hansen & McHugh, \$17,679; contract dated December 23, 1912; contractor notified to commence work, December 30; time allowed, 125 working days; ground broken, December 26, 1912.

PLUMBING AND GAS FITTING.

Adolph Berengarten.....	\$3,935
J. W. Cooney Co.....	4,922
Mathew J. Crowley.....	4,168
Degnan & Jones.....	4,145
Wm. C. Duggan.....	3,893
Frank J. Fee.....	3,998
J. J. Foley Plumbing & Heating Co.....	3,385
H. L. Haffen Cont. Co.....	3,950
John J. Kenney Co.....	3,977
Edward J. McCabe.....	3,900
Christopher Nally.....	3,967
M. J. O'Brien.....	3,246
Rapid Construction Co.....	4,150
John Renehan.....	4,663
V. S. Rittenhouse.....	3,895
United Pl. & Contr. Co.....	3,729
Charles Williams.....	3,796

Contract awarded to Michael J. O'Brien, \$3,246; contract dated December 26, 1912.

HEATING AND VENTILATING.

Wm. C. Duggan.....	\$1,262
J. J. Foley Plumbing & Heating Co.....	1,243
Philp & Paul.....	1,824

Contract awarded to J. J. Foley Plumbing & Heating Co., \$1,243.

This building has been designed for the southern end of Cooper Park, and is to be entirely below grade. Toilet facilities are provided for men and women, and the entire building is lighted by vault lights in the sidewalk. There is an extensive ventilating system provided and exhausted through an ornamental cast-iron combination vent duct, smokestack and lamp standard. The walls are to be constructed with steel beams and concrete arches, faced with furring blocks, and the floors and walls of the toilet rooms faced with tile, Knoxville marble partitions and trim.

FIELD HOUSE IN THE EAST 101ST STREET PLAYGROUND.

BETWEEN FIRST AND SECOND AVENUES.

Plans and specifications prepared by Architect of the Department of Parks; plans approved by Art Commission, January 10, 1911; approved by Board of Estimate, April 13, 1911, advertised May 26, 1911; bids opened June 8, 1911. The following were the bidders:

Brettholz-Krumholz Cont. Co.....	\$11,844
Edmund D. Broderick.....	10,984
Concord Construction Co.....	12,447
Cosgrove Daly Co.....	10,500
Geo. F. Driscoll.....	13,589
Wm. Horne Co.....	11,920
Kelly & Kelley.....	12,254
J. M. Knopp.....	11,214
Merrick Fireproof Co.....	12,350
Daniel J. Ryan.....	10,450
Weil & Lustig.....	12,910
Charles Wille.....	10,995

The contract was awarded to Daniel J. Ryan, \$10,450; contract dated July 21, 1911; contractor notified to commence work, September 25, 1911; time allowed on the contract 125 working days, which was extended 30 working days by resolution of Park Board. The contract was completed April 5, 1912.

This building has been constructed to accommodate boys and girls using the large playground situated on 101st street east of Third avenue. It is of Spanish mission style of architecture, constructed of concrete stuccoed, and has a Spanish metal tile roof; contains boys' and girls' playrooms; toilet facilities for both boys and girls; shower rooms, together with boiler and coal rooms, as well as a large storeroom for the storage of gymnasium apparatus.

COMFORT STATION AT WORTH AND BAXTER STREETS.

Plans and specifications prepared by the Architect of the Department of Parks; plans approved by the Art Commission May 11, 1911; approved by the Board of Esti-

mate June 22, 1911; advertised July 31, 1911; bids opened August 10, 1911. The following were the bidders:

Richard Carvel Co.....	\$11,440
Concord Construction Co.....	11,743
Wm. Horne Co.....	11,500
A. V. Johnson & Co.....	10,821
Kelly & Kelley.....	12,880
J. M. Knopp.....	12,337
Wm. A. McCloskey.....	10,970
Chas. H. Peckworth.....	11,843
Silberman-Shampain Co.....	14,850
F. W. Waggoner Co.....	11,473
Chas. Wille.....	11,995
Albert Winternitz.....	13,483

Contract awarded to A. V. Johnson & Co., \$10,821; contract dated September 9, 1911; contractor notified to commence work October 13, 1911; time allowed on contract 100 working days; work completed February 27, 1912.

This building has been designed to provide for the accommodation of the young children with their mothers. It contains toilet facilities, a large game room, boiler and coal room, and also a long shelter to the rafters of which are attached see-saws, swings, slides, etc., used by the playground children. The building is erected of red tapestry brick trimmed with artificial stone, and the roof is of Spanish metal tile.

FIELD HOUSE IN THE WEST 59TH STREET PLAYGROUND.

Plans and specifications prepared by the Architect of the Department of Parks; plans approved by the Art Commission March 14, 1911; approved by the Board of Estimate October 11, 1911; advertised in September; bids opened October 2, 1911. The following were the bidders:

Edmund D. Broderick.....	\$33,980
Brody, Adler & Koch Co.....	47,400
Cockerill & Little Co.....	27,893
Geo. F. Driscoll.....	30,586
Harry Hansen.....	31,500
A. V. Johnson & Co.....	34,883
Kelly & Kelley.....	29,911
Merrick Fireproofing Co.....	24,900
Wm. A. McCloskey.....	29,675
Daniel J. Ryan.....	31,992
J. I. Valentine.....	33,440
Chas. Wille.....	29,898

The contract was awarded October 9 to Merrick Fireproofing Co., \$24,900; the contract was dated November 24, 1911; contractor was notified to commence work December 12, 1911; the time allowed on the contract was 125 working days, which was extended 60 working days by resolution of Park Board; contract completed October 26, 1912.

This building has been designed for the accommodation of the large playground extending from 59th to 60th street, between Tenth and Eleventh avenues. It is built in an English Gothic style, 2-story and cellar, of Harvard brick trimmed with artificial stone; contains toilet accommodations for boys and girls, shower rooms,

locker rooms, gymnasium and game rooms, together with the necessary store room, boiler room and coal room.

COMFORT STATION AND PLAYGROUND BUILDING IN PLAYGROUND AT WEST 151ST STREET AND AMSTERDAM AVENUE.

Approved by Art Commission June 18, 1912.

Estimated cost \$21,000. Plans and specifications were prepared by the Architect of the Department of Parks the latter part of December, and it is expected that the contract will be advertised for public bidding early in February.

This building has been designed to provide accommodations for the large playground situated on Amsterdam avenue from 151st to 152d streets. It is to be built of golden yellow tapestry brick trimmed with artificial stone, with Spanish metal tile roof, and to have toilet facilities for boys and girls, shower baths for boys and girls, a large playroom to be used in inclement weather, also rooms for playground attendants, together with the necessary boiler room, coal room and large store room for gymnasium apparatus.

ALTERATION OF AND ADDITION TO COMFORT STATION NEAR THE BALL GROUND IN CENTRAL PARK.

Plans and specifications prepared by the Architect, Department of Parks; plans approved by Art Commission June 18, 1912; advertised August 21, 1912; advertisement withdrawn on account of the new law requiring contract to be subdivided; new specification approved by Board of Estimate September 26, 1912; readvertised November 21, 1912; bids opened December 5, 1912. The following were the bidders:

GENERAL CONSTRUCTION.

Jos. Balaban Co.....	\$11,508
Edmund D. Broderick.....	14,989
Consolidated Construction Co.....	10,591
B. Diamond.....	12,777
Di Menna & De Paola.....	11,675
Chas. L. Doran Contracting Co.....	11,855
Wm. H. Egan.....	11,900
Henry L. Haffen Contracting Co.....	11,273
Hansen & McHugh.....	10,879
A. V. Johnson & Co.....	11,550
J. M. Knopp.....	14,684
Merrick Fireproofing Co.....	12,300
McBride & Callan.....	10,250
Midtown Contracting Co.....	11,212
Howard H. Peterson.....	15,000
Neptune B. Smyth.....	14,688
Thompson & Kelsey.....	11,221
Tower Construction Co.....	10,296
Wm. Werner.....	14,388
Chas. Wille.....	11,016

Contract awarded to McBride & Callan, \$10,250; work commenced December 23, 1912.