

# ANNUAL REPORT

OF THE

DEPARTMENT OF PARKS

BOROUGH OF MANHATTAN



For the Year

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HON. JAMES J. WALKER, *Mayor*  
The City of New York.

Dear Sir:

In compliance with the provisions of  
Section 829 of the Greater New York Charter, I re-  
spectfully submit herewith the Annual Report of the  
Department of Parks, Borough of Manhattan, for the  
year ending December 31, 1931.

Yours very respectfully,

WALTER R. HERRICK,  
Commissioner of Parks,  
Borough of Manhattan.

## THE PARK BOARD

The Park Board, consisting of five commissioners, has jurisdiction over the park system of New York City. This Board establishes and enforces general rules and regulations for the administration of the Department, and subject to the ordinances of the Board of Aldermen, establishes and enforces rules and regulations for the government and protection of public parks and of all property in charge of the said Board or under its control, which rules and regulations so far as practicable are uniform in all the boroughs. Any person violating such ordinances is guilty of a misdemeanor. The Park Board advertises for and receives bids for work and supplies, lets contracts and has general power over all matters relating to the parks of the city, taken as a whole.

Each Commissioner of Parks, subject to the general rules and regulations established by the Board, has administrative jurisdiction over the parks within the borough to which he was appointed by the Mayor. The Commissioner of Parks for the Borough of Manhattan is President of the Park Board.

The offices of the Park Board are located in the Arsenal Building, Central Park, Borough of Manhattan.

The City of New York is divided for purposes of maintaining parks and parkways into the following borough divisions:

1. Borough of Manhattan
2. Borough of Brooklyn
3. Borough of The Bronx
4. Borough of Queens
5. Borough of Richmond

The assent of the Landscape Architect of the Park Board is requisite to all plans and works or changes thereof, respecting the confirmation, development or ornamentation of any of the parks, squares or public places of the city. It is the duty of the Landscape Architect, from time to time, to prepare and submit to the Park Board plans for works or changes respecting the parks and parkways of the city.

## REPORT OF THE COMMISSIONER

At the time of publication of the Annual Report for the year 1930 there were a number of projects under way which had not been completed. New improvements could not be undertaken on account of the proposed economical programme of the administration which limited the issuance of new tax notes and corporate stock appropriations for any but the most necessary projects.

### REHABILITATION, CENTRAL PARK

The recommendations in the so-called Merkel Survey and Report were carried out under the supervision of Mr. Jules V. Burgevin, Landscape Architect for the Park Board, and the work is practically completed. If the present working force especially assigned to this work can be retained and a small additional appropriation made, the work can be finished in 1932.

### WEST SIDE IMPROVEMENT

Great progress was made in the area in Riverside Park from 72nd Street to 129th Street. The necessary construction work in connection with the covering of the tracks and the laying out of the Express Highway from the connecting point at 72nd Street to 79th Street, the first section of the work to be undertaken under Contract No. 4, between The City of New York and the New York Central Railroad Company, was expedited by the cooperation of a special corps of engineers from the Park Department and the engineers from the New York Central Railroad Company.

### MADISON SQUARE PARK

The work of rehabilitating this park was completed. It is now one of the most attractive of the smaller parks in this city. This improvement met with the approval of the public as has been shown not only by personal comment but by the numerous letters received from organizations and individuals.

### UNION SQUARE PARK

The general construction work in this park as laid out was completed. The Liberty Pole of bronze construction was installed with appropriate ceremonies. The combined comfort station and bandstand at the north end of the park is rapidly nearing completion. We anticipate that this work, and the landscaping features, such as the planting of trees, shrubs and flower beds, can be completed if the balance of the money remaining in this appropriation is not cancelled.

## INWOOD HILL PARK

The plan of the Landscape Architect was carried out by the use of men assigned to the Park Department by the Mayor's Unemployment Committee. As it is the intention of the Department to retain this park as a piece of natural woodland, the old buildings were removed, attractive trails were laid out and the park was bordered with a natural rock edging.

## MORNINGSIDE PARK

The reconstruction and rehabilitation of this park was carried out with the available funds on hand. This improvement met with the approval of the people in the neighborhood of the park, as shown in the many complimentary communications received by this Department.

## GENERAL COMMENTS

Three of the important projects which should be undertaken by this Department are:

A new lay-out and reconstruction of Bryant Park, Washington Square Park and Battery Park. These parks could be made much more useful and enjoyable for the people, as well as more attractive.

Battery Park could be enlarged by obtaining permission from the United States Government to extend the bulkhead line, thus increasing the area of the park to the south.

There are several plans for the proposed new lay-out of Battery Park in existence and on file in the Park Department, and we will be in a position to undertake the work as soon as the necessary permission is received, and the needed appropriations obtained.

## BUREAU OF LANDSCAPE ARCHITECTURE

The rehabilitation of Central Park is still in progress. It was contemplated that this important work would be completed in the spring of 1932, but due to unforeseen conditions the work was delayed. We now expect to complete it next year.

Central Park is in a healthier state and presents a more attractive appearance than at any time during the past twenty-five years, and on a visit to the park one will find a noticeable transformation scene.

During the planting seasons of 1931 there were:

- 2,634 new trees planted.
- 47,659 new shrubs planted.
- 13,930 new vines and ground cover plants planted.
- 3,184 trees were fertilized and cultivated.
- 26,231 shrubs were fertilized and cultivated.
- 1,661 trees were pruned.
- 12,402 shrubs were pruned.
- 95,000 sq. ft. of sod were laid.
- 16,704 lin. ft. of stone edging were set.
- 19,060 sq. ft. of new lawns were seeded and fertilized.
- 7,319 cu. yds. of new topsoil were used in Central Park rehabilitation work.

#### MANHATTAN

- Modified plan for improvement of Lower Reservoir in Central Park.
- Grading plan for Tennis Courts, Fort Washington Park.
- Play Centre, North Meadow, Central Park.
- Plan showing location and layout of new Field House, Morningside Park.
- Plan for improvement of Cherry Street Playfield.
- Plan for improvement of Monroe Street Playfield.
- Plan for improvement of Market Street Playfield.
- Plan for improvement of Delancey Street Playfield.
- Supervision of Central Park Rehabilitation.

#### BROOKLYN

- Plan for Recreation Centre in Memorial Park, North of Avenue U.
- Plan for improvement of Triangular Plots at New York, Utica and Remsen Avenues.
- Plan for rearrangement of paths, etc., in connection with the new Exit Drive at Park Circle, Prospect Park.
- Planting Plan for Park Circle Entrance to Prospect Park.
- Plan showing new and rearrangement of walks leading to new comfort building Parkside and Ocean Avenues, Prospect Park.
- Studies of Shore Road improvement.

#### QUEENS

- Plan for improvement of Upland Park.
- Plan for improvement of Chisholm Park.
- Plan for improvement of Baisley Pond Park.
- Approval and study of plans prepared by others than the Bureau of Landscape Architecture of the Park Department.

Attending conferences with the Commissioners on various matters pertaining to the development and improvement of newly acquired lands for park purposes and all matters which come under the Bureau of Landscape Architecture.

## BUREAU OF FORESTRY

### MORNINGSIDE PARK

The outstanding accomplishment of the Bureau of Forestry was made through the appropriation of \$110,000 for the rehabilitation and general improvement of Morningside Park.

Of this appropriation \$32,840 was charged for the purchase of trees, shrubs, vines, soil, sod, grass seed and fertilizer and \$31,160 for labor to carry out the recommendations of the Forester in his survey for the rehabilitation of this park.

On March 21st, climbers and pruners, gardeners, laborers and a foreman were assigned to prune and remove all dead trees and shrubs, plough up and reconstruct lawns, resoil areas where erosions prevailed, also to construct rough stone curbing along the bottom of slopes to prevent the washing away of the top soil.

### REMOVAL OF TREES

265 dead, dangerous and unsightly trees and stumps were removed and disposed of.

### PRUNING

1,537 trees were pruned. Dead, dying and interfering branches were removed.

### FERTILIZING

1,504 established and newly-planted trees were fertilized with well decomposed cow manure and a good quality of commercial fertilizer. This was done to supply the necessary mineral salts to encourage rapid formation of new growth. Five hundred cubic yards of cow manure were used.

### SPRAYING

Spraying of trees and shrubs for the control of insect pests was done at regular periods. In order to eliminate certain insects it was necessary to give two applications. 1,662 trees were sprayed.

## TREE SURGERY

All cavities and abrasions in 47 trees were repaired. The cavities were cleaned out, an antiseptic was applied and filled with cement. The abrasions on the trunks and limbs were cleaned, an antiseptic applied and then water-proofed. Weak limbs were bolted together and cables attached when necessary.

## TRANSPLANTING TREES

In changing the grades of the various lawns, it was necessary to transplant 31 trees in other locations; they were dug with a ball of earth and attached to a platform in order to insure safe planting.

## TRANSPLANTING AND PRUNING SHRUBS

There were 7,059 shrubs pruned; many of them were large and in poor condition and over-grown; all dead, dying and interfering branches were removed and trimmed into a uniform shape.

In changing the contour of the lawns and slopes it was essential to transplant 1,533 shrubs in other locations where the grading was completed.

## CULTIVATING AND FERTILIZING

The shrubs in Morningside Park are mostly laid out in plantations, and it was necessary to cultivate the entire area when planted. These plantations were in bad condition due to many erosions that required a great deal of time and labor to repair. A heavy application of pulverized bone meal fertilizer was applied and raked into the soil; the plantations were heavily mulched with well rotted cow manure, 1,000 cubic yards being necessary. 12,404 shrubs were mulched in this manner.

## RESTORATION OF LAWNS

The restoration of lawns and slope areas was the largest activity in the rehabilitation of Morningside Park. The many erosions along the steep slopes were resoiled, most of the soil being removed from the base of the hills where it had washed down. It was essential to handle the top soil several times before it was graded over the affected areas. The quantity of loam used to reconstruct these lawns and slopes amounted to 3,000 cubic yards, and an area of approximately 500,000 square feet was covered.

## SODDING

It was necessary to use 5,000 square feet of grass sod to prevent further washouts on several of the steep slopes.



## FERTILIZATION

All lawns ploughed and spaded received an application of a bone meal fertilizer which was mixed with the top soil by raking it in during grading operations. 9,900 pounds of bone meal was necessary for this work.

## ROUGH STONE CURBING

Along the bottom of steep grades, or places where it was anticipated that the soil would wash on to the walks, it was necessary to build stone curbing and at some locations several retaining walls. The total linear feet of curb constructed amounted to 6,812 feet in various heights of 10" to 30".

## REHABILITATION OF MADISON SQUARE PARK

The rehabilitation of Madison Square Park was made possible through the appropriation of \$40,987. \$6,780 was charged against this appropriation, for the purchase of trees, shrubs, fertilizer and grass seed, and \$682 for additional labor to carry out the work of planting trees and shrubs.

## PREPARATION OF TREE AND SHRUBBERY PITS

The work of preparing and fertilizing the tree and shrub pits was given out by contract. This work consisted of excavating 48 tree pits 4 feet deep by 6 feet x 6 feet and 357 shrub pits 2 feet deep by 3 feet x 3 feet. All the excavated material was removed and replaced by a good quality of top soil, into which an application of bone meal fertilizer was thoroughly mixed, in the ratio of 5 pounds to the cubic yard.

## RESTORATION OF LAWNS

Ten of the lawns covering approximately 65,150 square feet were lowered 10 inches. This excavation consisted of the removal of approximately 2,000 cubic feet of soil. The remaining 12 lawns, consisting of about 125,710 square feet were spaded, and fertilized with a mixture of sheep manure and bone meal in the ratio of 1,000 pounds to an acre.

## PLANTING TREES

Forty-eight large specimen trees in varieties 5" to 6" caliper were planted by contract under the supervision of the Forestry Bureau. Each tree was furnished with a large ball of earth to keep the root intact in order to insure safe transplanting. 1,843 trees 2 inches to 2½ inches in caliper were also planted by the Forestry Bureau.

## SHRUBBERY

1,043 shrubs were planted in Madison Square Park, and pruned to give them a uniform appearance.

## SEEDING LAWNS

After the completion of the contractors' work, the Forestry Bureau assigned a force of gardeners and laborers to re-seed all the lawns in Madison Square Park, consisting of 19,860 square feet.

## SPRAYING ACTIVITIES

An extensive spraying program was carried out in order to control the insect enemies and diseases of the trees and shrubs in the parks, parkways and on the city streets.

A serious infestation of the Bag Worm, a leaf-eating insect, was reported to be destroying the foliage of the shade trees in Highbridge Park during the summer of 1930. This area was sprayed four times, using a combination of Arsenate of Lead, Fish Oil Soap and Nicotine Sulphate, with the result that we controlled the infestation 90 per cent.

63,476 trees and 33,394 shrubs were sprayed, some of them three times.

17,476 shrubs were planted to replace those that had died; also old and unsightly shrubs that had outlived their usefulness or had been destroyed by vandals and careless automobile drivers. They were planted in the following parks:

Central Park .....	11,310
Madison Square .....	1,043
St. Nicholas Park.....	629
Carl Schurz Park.....	548
Court House Square.....	239
DeWitt Clinton Park.....	198
Riverside Park .....	370
McNally Plaza .....	146
Battery Park .....	100
Sheridan Square .....	60
Bowling Green .....	50

## PARK AVENUE PLOTS, 34TH STREET TO 96TH STREET

After a careful survey of the various species of shrubs planted in the Park Avenue plots, both deciduous and evergreens, we found that only two species could be grown there with any measure of success. They are the Hawthorns (*Crataefus*) and the California Privet (*Ligustron Ovalifolium*). This condition is due to lack of sunlight caused by the high buildings along the Avenue, and an accumulation of soot on the foliage.

The shrubbery, with the exception of the two species mentioned, was removed and replaced by 5,279 of the species which showed favorable growth.

## TREE SURGERY

Injuries to trees in the parks and on city streets were given the necessary attention. Every broken limb and wound that penetrates as far as the inner bark, may become the point of entrance for active plant or animal parasites, or rot-producing organisms, unless these injuries are promptly and properly treated. The number of trees so treated was 572.

## BUREAU OF MAINTENANCE

During the year 1931, the department maintained within the parks fifty-one comfort stations, 37 single-tour and 14 double-tour for men; also forty-six comfort stations for women, 30 single-tour and 16 double-tour.

Single-tour comfort stations operate from 9 a. m. to 5 p. m. or 10 a. m. to 6 p. m.

Double-tour comfort stations operate from 7 a. m. to 2 p. m. and from 2 p. m. to 10 p. m.

There are also four bath houses for the use of men and women in the following parks:

DeWitt Clinton  
Thomas Jefferson  
Seward and  
Hamilton Fish parks

The working force under the Bureau of Maintenance and Operation consisted of the following:

- 1 Forester
- 1 Arboriculturist
- 1 Foreman of Mechanics
- 1 General Foreman
- 3 District Foremen
- 22 Park Foremen
- 400 Laborers all year round (661 during summer months)
- 4 Stablemen
- 1 Supervisor of Attendants (Female)
- 68 Attendants
- 1 Caretaker (Female)
- 1 Caretaker (Male)
- 8 Watchmen
- 20 Drivers
- 23 Auto Enginemen
- 1 Foreman of Greenhouses (Gardener)
- 23 Gardeners assigned to Greenhouses
- 39 Gardeners assigned to Forestry Bureau
- 58 Climbers and Pruners
- 10 Keepers
- 68 Mechanics
- 1 Machinist
- 1 Supervisor of Attendants (Male)
- 31 Attendants per annum (Male)
- 22 Attendants per diem (Male)
- 1 Curator

## CARE OF LAWNS

The proper maintenance of lawns, in view of the poor soil conditions generally existing in Manhattan park areas and the constant crowded use of park territory, is one of the most difficult problems of the administration. Carelessness and lack of respect for public property on the part of those using the parks, as well as insufficient police protection, have caused the lawns to deteriorate to such an extent that a thorough re-seeding became necessary.

The areas were spread with stable manure and ploughed, and in the autumn seeded with corn, peas and rye, which, in turn, were ploughed in the spring. The ground was then harrowed and raked; lime used where required and seed sown. Temporary fences, six feet in height made of wire mesh were erected around such areas to allow the newly seeded lawns an opportunity to become thoroughly established.

All small lawn areas, where grass was weak and had deteriorated, were spaded and seeded during the spring. Lawns in comparatively good condition were maintained and improved by putting on top dressing and well rotted stable manure in the early winter, or were treated with commercial fertilizer in the spring.

Twenty-five hundred (2,500) tons of rotted stable manure were distributed on lawns and plantations throughout the parks in the Borough of Manhattan.

The stable manure from the department stables at 97th Street yard, Central Park, and from a large riding academy and the armories in the vicinity of Central Park, was used as a fertilizer.

The manure is stored in two concrete manure pits, having a capacity of respectively 4,250 and 4,499 cubic yards.

During the dry weather of July, August and September, it was necessary to water the lawns in the various parks.

Twenty thousand (20,000) square feet of sod were purchased and laid along the borders, drives and lawns throughout Central Park, Riverside Drive, City Hall, Washington Square, Morningside, and other places requiring it.

## DRIVES AND BRIDLE PATHS

The bridle paths and drives in Central Park and Riverside Drive were spiked up with road rollers and resurfaced with fresh gravel. At many points where the grade of the path was raised too high because of the constant addition of new gravel year after year, the surplus gravel was removed

and the surface brought to the proper grade. During the summer months the bridle path was sprinkled daily and a layer of calcium chloride was spread over it in order to keep the dust down. These drives have been kept in as good condition as possible considering the small amount of money available for laborers and repairs.

#### FLOWER SHOW

The usual winter floral exhibition at the Central Park Greenhouse was open to the public daily from 10 a. m. to 4 p. m. At Easter the annual show of azalias, tulips, hyacinths, lilies and other seasonable flowers was held. Plants were sent to the following places for decoration: Cooper Union, Aldermanic Chambers, City Hall.

#### CONCERT SEASON

During the concert season, temporary bandstands and seats as well as the necessary lighting facilities, were installed in parks which were not provided with permanent stands. A large number of festivals and celebrations were held in the parks, which necessitated extra work for the labor and mechanical forces.

#### GARAGE

The equipment for maintaining the work throughout the Department of Parks in the Borough of Manhattan, consists of:

- 3 1½-ton trucks
- 1 2-ton truck
- 5 3-ton trucks
- 6 Fords—runabout—business body

#### MECHANICAL FORCE

The mechanical force of the department was employed largely on small job repairs necessary to keep the buildings, structures and equipment of the department in good condition. Work orders were issued covering the work to be done by the mechanical force.

Playground structures and apparatus were kept in condition for use throughout the season and new supplies, jumping ropes, swings, etc., were made at the Department Work Shops for use in the playgrounds.

#### REPAIRS

Direction signs were re-painted and re-lettered and new ones made throughout the parks and playgrounds.

6th Ave. Entrance, 59th Street, Central Park—Repairs to rustic benches.

Kinderberg, Section 1, Central Park—Repairs to rustic seats and railings.

Menagerie—Erected new rustic fence.

Repair and maintenance of irrigation system in Central Park, 59th to 110th Streets, during the summer and shut off in the fall.

Kinderberg, Section 1, Central Park—Installed a new drinking hydrant.

Repairs to Bridge 13.

Pulitzer Fountain—Repaired and braced up figure in order to make it safe.

#### BALL HOUSE—MEN'S COMFORT STATION

Interior and exterior repaired and painted.

#### BALL HOUSE—WOMEN'S COMFORT STATION

Necessary work done and interior painted.

#### BALL HOUSE BUILDING

Closet built for laborers to store their clothes.

Installed electric light in tool house.

Roof, gutters and leaders repaired.

#### MENAGERIE, CENTRAL PARK

Repaired and painted fences around Menagerie.

Repaired and painted various buildings around the Menagerie from time to time.

#### LAKE, 59TH STREET, CENTRAL PARK

Runway was built for cleaning the lake.

#### DUCK POND, 77TH STREET, CENTRAL PARK

Runway was built for cleaning pond.

#### ARSENAL BUILDING

Cleaning, oiling, repairing and operating elevator.

Shelves were erected in Bureau of Audits for storing department records.

Office furniture was repaired.

Electric lights were repaired.

Miniature electric light system installed in model of Street Planting which was used for the Exhibition at the Empire State Building on January 15, 16 and 17th, 1932.

Linoleum was laid in the office of the Forestry Bureau.

Plumbing repairs were made.

Commissioner's office was painted.

#### HECKSCHER PLAYGROUND AND COMFORT STATION

Interior of Field House repaired and painted.

The interior and exterior of comfort station were also painted.

#### SHEEP MEADOW, CENTRAL PARK

Double bandstands were erected for the celebration held May 12th for Public School Athletics (Mrs. Emily O'Keefe Daly) and the field was roped off.

#### ARSENAL WOMEN'S COMFORT STATION

Necessary repairs made and interior painted.

#### CASINO WOMEN'S COMFORT STATION

Interior repaired and painted.

#### MALL, CENTRAL PARK

Minor repairs to bandstand and painting of same.

All chairs and music racks repaired.

Signs were made "Concerts Given by the Goldman and Naumberg Bands" and placed at all entrances to Central Park.

#### SECTION 3, CENTRAL PARK

Signs for the Nature Trail re-lettered.

#### BOW BRIDGE, CENTRAL PARK

Necessary repairs and painting of Bow Bridge.

BRIDGE 10, WEST 77TH STREET

Necessary repairs.

BELVEDERE, WOMEN'S COMFORT STATION

Necessary repairs made and interior and exterior painted.

BELVEDERE WEATHER BUREAU

Minor repairs to the building.

79TH STREET NURSERY, CENTRAL PARK

Repairs to the Propagating Houses.

90TH STREET AND EAST DRIVE, CENTRAL PARK

Repaired and re-set two stone slabs which were loose at Mitchel Memorial Monument.

93RD STREET TENNIS BUILDING, CENTRAL PARK

Repaired and painted interior of Tennis House.

NORTH MEADOW, MEN'S COMFORT STATION

Repaired and painted interior and exterior.

NORTH MEADOW, WOMEN'S COMFORT STATION

Repaired and painted interior.

BRIDGE 25, CENTRAL PARK

Repaired retaining wall of bridge.

110TH STREET-LENOX AVENUE WOMEN'S COMFORT STATION

Interior and exterior repaired and painted.

RIVERSIDE DRIVE, 126TH STREET

Repaired and re-laid concrete sidewalk at entrance to Viaduct including repairs to stone pillars on stairway at west side of Grant's Tomb.

RIVERSIDE DRIVE, 126TH STREET—STATUE OF AMIABLE CHILD

Lettering on Monument made legible and letters cut deeper.



ST. NICHOLAS PARK, 130TH STREET, ST. NICHOLAS AVENUE

Concrete curb was erected along top of new retaining wall and along the side of landings between the steps of the above location. The curb was laid in order to prevent further washouts along steep slope.

COLONIAL PARK TOP WALK, 148TH-149TH STREETS

Retaining wall and railing repaired.

COLONIAL PARK WOMEN'S COMFORT STATION

Interior and exterior repaired and painted.

COLONIAL PLAYGROUND FIELD HOUSE

Interior repaired and painted.

RIVERSIDE EXTENSION, 151ST STREET

Concrete curb was cut down level with the walk.

HAMILTON PLACE WOMEN'S COMFORT STATION

Interior repaired and painted.

SPEEDWAY STABLES

Roof repaired.

SPEEDWAY, 192ND STREET

Croton Water leak repaired.

HIGHBRIDGE, 191ST STREET

Wooden field house was built for time-keepers to keep the time of the three-day-a-week men (emergency laborers).

ISHAM MANSION

Minor repairs were made.

J. HOOD WRIGHT PARK

A new manhole was constructed.

MT. MORRIS PARK, 124th Street and 5th Avenue

Sidewalk repaired and re-laid as required.

MT. MORRIS WOMEN'S COMFORT STATION

Cement floor repaired and re-laid.

THOMAS JEFFERSON BUILDING

Erected screen on exterior of window to prevent windows being broken. Repaired terra cotta brickwork.

THOMAS JEFFERSON SCHOOL FARM

Repaired and painted interior of School Farm Cottage.

YORKVILLE MEN'S COMFORT STATION

Repaired and painted interior.

YORKVILLE WOMEN'S COMFORT STATION

Repaired and painted interior.

CARL SCHURZ (Old) MEN'S COMFORT STATION

Interior of closet stalls where flush tanks were removed, repaired and painted.

DEWITT CLINTON MEN'S COMFORT STATION

Interior and exterior repaired and painted.

QUEENSBORO MEN'S COMFORT STATION

Interior and exterior repaired and painted.

WEST 59TH STREET GYM

Interior of office repaired and painted.

ST. GABRIEL'S PLAYGROUND

Repaired floor of pavilion.

EAST 17TH STREET PLAYGROUND FIELD HOUSE

Interior repaired and painted.

JOHN J. MURPHY WOMEN'S COMFORT STATION

Interior repaired and painted.

#### CORLEARS HOOK MEN'S COMFORT STATION

Interior repaired and painted, also Boiler Room and Foreman's office.

#### CORLEARS HOOK WOMEN'S COMFORT STATION

Repaired ceiling sidewall and painted interior.

#### CORLEARS HOOK PLAYGROUND

Repaired and painted interior of Director's office.

#### COLUMBUS FIELD HOUSE

Repaired and painted interior.

#### FORESTRY BUREAU

Built platform, laid out concrete walks, streets and park strips to serve as a model of an interesting nature and educational value for Exhibit to be held by Real Estate Board of New York, at Empire State Building, January 14th, 15th and 16th, 1932.

#### 97TH STREET YARD

Repaired and painted office.

#### GARAGE

Repaired roof and gutters. A lye tank was built to be used for washing mowers. A spraying machine overhauled and painted. Lawn rollers repaired and painted. Worthington Tractor repaired and painted.

#### 86TH STREET STORE-ROOM

Erected wire mesh screen on exterior of windows.

#### PLUMBING

Necessary plumbing repairs were made to all men's and women's comfort stations, baths, field houses, sewers, water supply lines, etc., throughout the parks in the Borough of Manhattan.

#### STOVES

Repairs were made to all stoves, stove pipes, boilers, chimneys and heating apparatus where necessary throughout the parks.

#### DRINKING AND DISPLAY FOUNTAINS

Repairs were made to all drinking and display fountains throughout the parks. Broken ones were replaced with new ones where required.

## RUSTIC BENCHES AND ARBORS

Repairs were made to rustic benches and arbors where required throughout the parks.

## BENCHES

New benches were re-assembled and old benches were repaired and painted as required throughout the parks. Cement benches were installed in Madison Square Park.

## FENCES

The iron fences along the Broadway Plots from 60th to 122nd Streets were repaired as required. Also those along Park Avenue Plots 34th to 41st Street and from 59th to 60th Street. Also those along Seventh Avenue Plots from 110th to 153rd Streets required daily attention from the department iron workers as they were constantly being damaged by automobiles and horse-drawn vehicles. Repairs were made from time to time to the pipe-rail fences, chain link fences and iron picket fences where required in the various parks.

## BRIDGES

Repairs were made to all bridges in Central Park which were constantly being broken by automobiles.

## WATER LINES

Repairs were made to the old water supply lines and new lines were laid where required.

## HALYARDS

Halyards were replaced on flagpoles where required throughout the parks.

## SIGNS

Signs were re-lettered and painted and new signs made standard color where required throughout the parks.

## PLAYGROUND APPARATUS

Repairs were made to all playground apparatus and equipment throughout the various playgrounds in the parks.

#### ROADWAYS AND GUTTERS

Necessary repairs were made to roadways and gutters. Depressions were also filled in where required throughout the parks.

#### POLICE BOOTH

Repairs were made to Police booths where required.

#### LEADERS AND GUTTERS

Repairs were made to leaders and gutters where required throughout the parks.

#### RADIATORS

All radiators were overhauled and repaired as required throughout the buildings in the parks.

#### ELECTRICAL SUPPLIES

Lighting fixtures were repaired and new ones installed where required throughout the buildings in the parks. All bandstands where concerts were given were wired and lights furnished; also lighting for Christmas trees in various parks and playgrounds.

#### OFFICE EQUIPMENT

Repairs were made to all office equipment as required.

#### ROLLING STOCK

Repairs were made to all rolling stock as required.

#### HARNESS

Repairs were made to all harness as required.

#### STATUES AND MONUMENTS

All statues and monuments were repaired and cleaned wherever necessary.

#### MARBLE PARTITIONS AND TILE

Repairs were made to all marble partitions and tile wherever required.

#### RE-GLAZING

Repairs were made to windows, catches and sash cords and replacements made where necessary. Re-glazing was also done where required.

## WALKS

Walks throughout the parks were repaired and re-laid where required.

## BOILER AND HEATING PLANTS

All boilers and heating plants were overhauled and repaired as required throughout the year.

## BASINS AND MANHOLES

Drain basins and manholes were cleaned and repaired where required.

## RECREATION PIERS AND PLAYGROUNDS

The department maintained the following recreation piers during the summer time for a period of seventy days and the following force was required to operate them.

### *Piers*

Barrow Street  
East 3d Street  
Market Street  
West 129th Street

### *Employees*

12 Male Attendants  
6 Female Attendants  
1 Foreman

With the small labor force employed we maintained 98,031 acres of lawns, cleaned and cut grass, also cleaned the comfort stations, tool houses, shelter houses, gymnasium buildings, and put the bridle path in shape, also put up and took down the swings in the playgrounds each day.

During the summer months a considerable amount of calcium chloride was purchased and spread over the bridle path and playgrounds, which disinfects the grounds and kept the dust down.

## MENAGERIE

The following is a list of deaths, births, sales, exchanges and presentations during the year 1931:

### BIRTHS

3 lion cubs  
1 goat  
1 camel

35 sheep  
1 llama

### EXCHANGES

1 lion cub

## SALES

3 lion cubs  
31 sheep

2 goats  
300 lbs. wool

## PRESENTATIONS

4 parakeets  
4 parrots  
1 lion  
3 skunks  
1 red fox  
2 mocking birds  
1 pigeon

1 Gray parrot  
2 rabbits  
1 alligator  
5 canaries  
2 monks  
1 elk  
1 turtle

1 sheep  
1 raccoon  
1 toncan  
1 lioness  
1 opossum  
1 ram

## DEATHS

3 elks  
4 sheep  
1 hen  
1 monkey  
1 guinea hen  
5 pheasants  
1 robin  
1 raccoon  
1 macaw

1 finch  
1 parakeet  
1 tropical  
2 finch  
1 tahr  
4 monks  
1 axis deer  
1 gray fox  
1 badger

1 java parrot  
1 galinule  
1 coyote  
1 timber wolf  
2 geese  
1 kinkajou  
1 polar bear  
1 seal

Besides the regular routine work, the following special work was accomplished during the year:

## RELIEF FOR THE UNEMPLOYED

The Mayor of The City of New York with the aid of the Board of Estimate appropriated money with which to employ 900 laborers at \$5.50 per day for three days a week. The laborers were assigned to Highbridge Park on Special Work, such as cutting down dead trees, removing rocks, cleaning roads and filling in depressions, repairing roads, etc.

In addition to the above, 1,000 laborers were also appointed by the Gibson Committee for three days a week and assigned to work cleaning up Highbridge and Inwood Hill Parks, under the supervision of the Department of Parks.

About 100 yards of firewood were gathered, sawed and cut and delivered to the various police precincts in the Borough of Manhattan to be distributed among the poor.

Dangerous rock was removed at Harlem River Driveway north of 158th Street and walks and roads were graded at Inwood Hill Park, also the walks and slopes at Highbridge Park. Tree holes were excavated along Amsterdam Avenue north of 170th Street. Steps and railings were re-

paired and all dead wood was cut up at Inwood Hill Park. New sewer drains were built at 148th Street and Riverside Drive. Lakes in Central Park were cleaned. Catch basins were built and drain pipes were put in Section 7, Central Park.

Tree holes were excavated along the Broadway plots; a stone wall was built on Payson Avenue in Inwood Hill Park. Excavations were made and a concrete floor laid in Buffalo pen in the Menagerie; stone bridge at 77th Street, West Drive, was repaired; excavations were made and three basins installed and 100 feet of drain pipe laid at 93rd Street Tennis Ground, Central Park.

Three thousand six hundred bags of fertilizer were spread on the lawns in Central Park. A 6" tile drain was installed in Morningside Park. Dirt was hauled and ballfield graded at Jasper Oval. Slopes and lawns at Riverside Extension were graded. Eighty loads of loam was spread in Inwood Hill ballfield.

Playground at Dyckman Street was graded and backfilled. Dead trees and poison ivy in Inwood Hill Park were removed. Stone coping along walks and steps at St. Nicholas Park was cut. Tree holes along Broadway plots from 145th to 167th Streets were backfilled and dirt and stones removed. St. Gabriel's Park was graded for a school farm. A cedar fence was erected and a stone pier built along the driveway leading to the Arsenal. A concrete curb was built at the Marble Arch. Stone steps at Colonial Park were pointed up and re-set. Tree plots at St. Nicholas Park were graded. Fallen trees were used to build 3,000 feet of rustic railing along the walks in Inwood Hill Park. Rock and soil were excavated at 190-192 St. Highbridge Park and same were taken to Morningside Park.

Ragweed was removed in Inwood Hill, Highbridge, St. Nicholas, and Morningside Parks. Excavations were made for pipe and putting in drinking hydrant at 189th Street Playground.

Eight hundred square feet of cement walk were laid at 162nd Street and Riverside Drive.

Union Square Park was turned over to the Park Department by the Board of Transportation. From one hundred to one hundred and fifty loads of ashes were required to fill in depressions and level off the ground. This filling in and levelling was done by the labor force of the New York Association for Improvement of the Condition of the Poor, under the supervision of the Department of Parks.



ENGINEERING BUREAU  
CONSTRUCTION—CONTRACT WORK

BATTERY PARK

*"For repairing the Sea Wall of Battery Park."*

The action of the tides caused the facing stones to fall, and the general settlement of the wall necessitated a contract being executed for repairing the Sea Wall around the basin adjacent to the Barge Office.

The quantities and items are as follows:

85 Cubic Yards of Wall rebuilt.  
298 Linear Feet of Coping taken up and reset.  
Taking up and resetting Granite Steps.

BATTERY PARK

*"For constructing an Asphaltic Concrete Roadway Pavement in Battery Park."*

Many years ago the old cement walk pavement adjacent to the Battery Park Sea Wall between Pier "A" and The Aquarium was taken up and a roadway pavement consisting of heavy concrete foundation and a three-inch (3") wearing surface of asphalt was laid in order that heavy trucking might be permitted and that continuous repair of cement pavement would be obviated.

From the Aquarium to the Barge Office, the walk adjacent to the Sea Wall is what is known as concrete cement finished walk, four inches (4") in thickness. Continuous repair work was necessary on account of the elements and the trucking, and as some facility must be offered to the trucks which supply the different boats and boat landings, it was decided that the balance of the walk, to wit, from the Aquarium to the Barge Office, be paved with asphaltic roadway pavement on a Portland cement concrete foundation.

Work on this contract is now nearing completion, and it is estimated that the final quantities and items will be:

1950 Cubic Yards of Excavation for Roadway Pavement.  
1480 Cubic Yards of Concrete Foundation.  
2200 Linear Feet of Concrete Edging.  
9000 Square Yards of Asphaltic Concrete Wearing Surface.

CARMANSVILLE PLAYGROUND

*"For Installing a Wading Pool and Appurtenances, Complete, in the Carmansville Playground."*

A new concrete Wading Pool, 39 feet by 63 feet, with two shower heads, was installed in Carmansville Playground.

The quantities and items are as follows:

158 Cubic Yards of Excavation.  
Water Supply Complete.  
96 Cubic Yards of Concrete.  
5053 Square Feet Emulsified Asphalt  $\frac{1}{2}$ -inch thick.

#### CENTRAL PARK

*"For All Necessary Excavation and Backfilling, and for Dressing, Facing and Planting Rock Facing, where directed, Along the Shore of 'The Harlem Meer,' 'The Loch,' and 'The Pool' in Central Park."*

The shores of "The Harlem Meer," "The Loch" and "The Pool" located in Central Park, were faced with large stones set on edge. This was done to prevent further erosion of the banks and to create a more rustic effect. In addition to the incidental excavation and backfilling, the contract embraced the following quantities of rock facing:

700 Linear Feet with Rock already in the Park.  
7470 Linear Feet with Rock furnished by Contractor from outside sources.

#### CENTRAL PARK

*"For Furnishing and Erecting Five Foot (5') Galvanized Chain Link Fences along the East Drive in Central Park, between 85th Street and 97th Street."*

In order to afford much needed protection to the lawns and plantations a contract was executed for:

3160 Linear Feet of 5-foot Galvanized Chain Link Fences.

#### CENTRAL PARK

*"For Furnishing and Installing Tree Guards, Gratings, Frames and Concrete Edging on 'The Mall' in Central Park."*

In order to protect the trees on that part of "The Mall" in Central Park adjacent to the Music Pavilion, a contract was executed for the installation of 32 complete units, each consisting of a tree guard, grating, frame and concrete edging.

#### CENTRAL AND OTHER PARKS

*"For Replacing Defective Fire and Flush Hydrants and Gate Valves in Central and Other Parks."*

Owing to the extension of water pipes and installation of the new Sprinkler System in Central Park, together with greatly increased pressure

in the mains, many valves in Central Park, as well as in other Parks, require the attention of experts, consequently a contract was executed, as above named.

The quantities and items are as follows:

- 1 Fire Hydrant replaced.
- 40 Flush Hydrants replaced.
- 1 Ten-inch Gate Valve replaced.
- 1 Eight-inch Gate Valve replaced.
- 10 Six-inch Gate Valves.
- 13 Four-inch Gate Valves.
- 5 Two-inch Gate Valves replaced.
- 40 Three-inch Offsets installed.

#### CHELSEA PARK

*"For Furnishing and Constructing Wading Pool and Appurtenances, Complete, in Chelsea Park."*

A new concrete wading pool, 46 feet by 50 feet, with two shower heads, was installed in the Girls' Playground in Chelsea Park.

The quantities and items are as follows:

- 148 Cubic Yards of Earth Excavation.
- Water Supply and Drainage Complete.
- 91 Cubic Yards of Concrete.
- 5189 Square Feet Emulsified Asphalt Wearing Surface—one-half inch ( $\frac{1}{2}$ -inch thick).
- Taking up and resetting 5-foot 6-inch Picket Fence and Gates, complete.

#### COLEMAN PLAYGROUND

*"For Furnishing and Erecting an Eighteen Foot (18') Chain Link Fence with Gates along and within the boundaries of Coleman Playground."*

High, Eighteen Foot (18'), Chain Link Fences are needed around Playgrounds where baseball is permitted in densely populated neighborhoods in order to prevent breaking windows and injuring passers-by. Consequently, a contract was executed as above named.

The quantities and items are as follows:

- 550 Linear Feet of Eighteen-Foot Chain Link Fence.
- 2 Double Gates.

#### DE WITT CLINTON PARK

A contract was executed:

*"For Constructing a Playground and Running Track in the Easterly end of De Witt Clinton Park, 52nd to 54th Streets and 11th Avenue, New York City."*

The quantities and items are as follows :

- 2 Surface Basins.
- 6 Surface Basins Reconstructed.
- 100 Linear Feet 6" Vitrified Drain Pipe.
- 88 Concrete Posts.
- 717 Cubic Yards of Surfacing.
- 7,043 Square Feet asphalt surfacing.
- 2 Concrete Retaining Walls, one foot (1') in thickness and thirty-three (33) feet in length.

#### FIFTY-NINTH STREET PLAYGROUND

*"For Installing a Wading Pool and Appurtenances, Complete, in the Fifty-ninth Street Playground."*

A new concrete Wading Pool, 40 feet by 78 feet, with two shower heads, was installed in the Fifty-ninth Street Playground.

The quantities and items are as follows :

- 256 Cubic Yards Earth Excavation.
- Water Supply and Drainage Complete.
- 146 Cubic Yards of Concrete.
- 7,679 Square Feet Emulsified Asphalt Wearing Surface.

#### HAMILTON FISH PARK

*"For repaving, with asphalt, portions of the walks in Hamilton Fish Park."*

A contract for this work was executed and the work was completed; the quantities and items embraced being as follows :

- 170 Cubic Yards Concrete Walk Foundation.
- 36,290 Square Feet Asphalt Wearing Surface.

#### HAMILTON FISH PARK

*"For Paving with Asphalt a Portion of the Girls' Playground in Hamilton Fish Park."*

Nine Thousand Seven Hundred Forty-eight (9,748) square feet of asphalt was used in the prosecution of this contract.

#### HAMILTON FISH PARK

*"For Furnishing and Erecting, Complete, Picket Fences with Double Gates and a Three-Row Pipe Fence with Double Gate around the Wading Pool and at the Entrances to Willett Street in Hamilton Fish Park."*

This fencing was deemed advisable in order to prevent children in an unsanitary condition from entering the pool.

The amounts of materials for the improvement were as follows:

234 Linear Feet of New Picket Fence and 3 Double Picket Gates.

56 Linear Feet of Three-Row Pipe Fence and one Double Gate.

#### HARLEM RIVER DRIVEWAY

*"For the Removal of Loose Rock from the Rock Cut on the Westerly Side of the Harlem River Driveway between 155th Street and Dyckman Street."*

The rock cut in the Harlem River Driveway, extending from 155th Street to Dyckman Street, owing to the easterly dip in the stratification of the rock, has for several years past caused danger to pedestrians and vehicles. Efforts have been made from time to time to remove all pieces of rock which were loose or capable of being loosened, but each winter new pieces became loose through the action of frost and some radical step was necessary in order to make the situation safe.

The work was done under two (2) separate contracts and it is estimated that in all 4,988 cubic yards of rock was removed.

#### HARLEM RIVER DRIVEWAY

*"For Furnishing, Erecting and Painting Wrought Iron Picket Fences at Various Places along the Westerly Sidewalk of the Harlem River Driveway."*

This work was done under two (2) separate contracts, one section between 162nd and 185th Streets and another section between Washington Bridge and a point approximately 1,460 feet North; both in the westerly side of the Harlem River Driveway. This improvement involved the erection of about 2,602 linear feet of picket fence and is a continuation of the replacement of the old ornamental iron fence which had become dilapidated and unsightly.

#### J. HOOD WRIGHT PARK

*"For Constructing a Concrete Parapet and Wall at Pinehurst Avenue and J. Hood Wright Park."*

The demolition of a building adjacent to an old wall at Pinehurst Avenue left the wall in a very dangerous condition, necessitating the use of temporary bracing to prevent the wall from collapsing. This condition was remedied by the construction of 45 linear feet of concrete parapet and wall.

#### INWOOD HILL PARK

*"For the Demolition and Removal of Certain Buildings, Structures, Sheds, etc., together with Appurtenances Attached Thereto, Located in Inwood Hill Park."*

Inwood Hill Park is still largely wild or unimproved land. In preparation for the improvement of the Park, a contract was executed for the demolition and removal of certain buildings, structures, sheds, etc.

Ninety-seven (97) buildings, not including foundations, were demolished and removed.

#### MADISON SQUARE PARK

*"For the Restoration of the Lawns in Madison Square Park."*

A contract was executed for the complete restoration of the lawns and included the lowering of most of the plots, furnishing soil and digging tree and shrub pits.

The estimated quantities and items are as follows:

- 65,150 Square Feet of Lawns Lowered.
- 2,000 Cubic Yards of Sub-soil Excavated and Disposed of.
- 48 Tree Pits Excavated and Filled with Mold and Fertilizer.
- 357 Shrub Pits Excavated and Filled with Mold and Fertilizer.

#### MANHATTAN SQUARE

*"For the Construction of an Additional Sewer System and Appurtenances in Manhattan Square, Borough of Manhattan, City of New York."*

The drainage of rain water, at the entrance of the Museum of Natural History and within the roadways and the areaways of the buildings, and the sub-surface drainage of an old existing brook drain, had been a source of trouble for a number of years. With the tremendous proposed building projects in Manhattan Square, the problem also arose for the necessary sewer line into which water from these buildings could be drained. Accordingly, plans and specifications were prepared and a contract executed for the required drainage and sewer lines and the sewer was constructed with excellent results.

The amounts of materials necessary for this improvement were as follows:

- 1,838 Cubic Yards Earth Excavation.
- 276 Cubic Yards Rock Excavation.
- 11 Manholes.
- 7 Catch Basins.
- 1 Surface Basin.
- 845 Linear Feet Vitrified Drain Pipe.
- 60 Linear Feet Corporation Pipe.
- 535 Linear Feet Concrete Sewer.
- 26 M Feet B.M. Timber for Sheathing and Shoring of Sewer.

#### MORNINGSIDE PARK

*"For Repaving the Walks, Laying New Concrete Edging and New Rubble Masonry Wall, All Where Directed, in Morningside Park."*

In connection with the rehabilitation of Morningside Park, it was found that in order to overcome the very serious erosion of the slopes which had been in progress for some time it would be necessary to curb the walks in the upper levels of the Park and to erect retaining walls where needed.

This work was done under a contract, the amounts of materials used being as follows:

1,502 Linear Feet Concrete Edging.  
310 Cubic Yards Rubble Masonry Wall.  
622 Cubic Yards Concrete.  
90,337 Square Feet Asphalt Wearing Surface.

#### RIVERSIDE DRIVE

*"For the Removal of Loose Rock and Otherwise Safeguarding Rock Cuts on the Easterly side of Riverside Drive, between West 181st Street and Dyckman Street."*

For more than a year large masses of rock had been falling from the rock cuts into the roadway of Riverside Drive, North of 181st Street, causing great danger to passing automobiles.

A contract was executed for removal of the loose rock and cutting the rock back, where necessary, to safe slopes. Eight Thousand Two Hundred Forty-two (8,242) cubic yards of rock were removed by the Contractor.

#### SAINT CATHERINE'S PARK

*"For Laying a Cement Walk Pavement, Where Directed, in Saint Catherine's Park, at 67th and 68th Streets West of 1st Avenue."*

Five Thousand Eight Hundred Fifty-seven (5,857) Square Feet of Walks around the Pavilion were repaved with cement walk pavement.

#### ST. NICHOLAS PARK

*"For Improving that Portion of Saint Nicholas Park, South of 130th Street, Borough of Manhattan, City of New York."*

This part of the Park was not acquired until long after the portion North of 130th Street had been improved, and, because of its steep slopes and rough, irregular surface, it had been of little use.

The improvement made during the past year consisted of shaping the ground, building retaining walls, constructing two playgrounds at two different levels, building walks with the necessary drainage, providing a water supply, constructing wrought iron picket fences and chain link fences, etc.

The quantities and items are as follows:

- 1,800 Cubic Yards Earth Excavation.
- 862 Cubic Yards Rock Excavation.
- 4,629 Cubic Yards Borrowed Filling.
- 2,222 Square Yards Playground Surfacing.
- 732 Cubic Yards Rubble Wall.
- 400 Linear Feet Bluestone Steps.
- 82 Linear Feet Bluestone Checks.
- 660 Linear Feet Concrete Edging.
- 385 Linear Feet Granite Coping.
- 383 Linear Feet Wrought Iron Picket Fence.
- 14,023 Square Feet Asphalt Walk with Concrete Foundation.
- 910 Cubic Yards Top Soil.
- 1,626 Linear Feet Four Foot (4') Chain Link Fence.
- Water Supply System Complete.
- 346 Linear Feet 6" Vitrified Pipe.
- 114 Linear Feet 10" Vitrified Pipe.
- 2 Walk Basins.
- 1 Manhole.
- 178 Cubic Yards Rubble Foundation.

#### STUYVESANT PARK

*"For Resetting Curb and Laying Asphalt Walks on the Easterly and Westerly Sidewalks of Second Avenue between 15th and 17th Streets in Stuyvesant Park."*

Under the contract above named, the following work was done:

- 925 Linear Feet of Curb Reset.
- 10,669 Square Feet of Asphalt Pavement.

#### THOMAS JEFFERSON PARK

*"For Installing a Wading Pool and Appurtenances, Complete, in Thomas Jefferson Park, near East 114th Street, New York City."*

A new concrete wading pool, 61 feet by 130 feet, with eight shower heads, was installed in Thomas Jefferson Park.

The quantities and items are as follows:

- 617 Cubic Yards of Earth Excavation.
- Water Supply and Drainage System.
- 216 Cubic Yards of Concrete.
- 14,256 Square Feet of Asphalt Wearing Surface.
- 175 Linear Feet of Wire Mesh Fence, 4 feet high.
- 10 Cubic Yards of Concrete Curbing.



#### THOMAS JEFFERSON PARK

*"For Repairing, with Asphalt, Portions of the Walks and Resetting Steps and Edging, Where Directed, in Thomas Jefferson Park, First Avenue, 111th to 114th Streets."*

The quantities and items embraced in the above contract are as follows:

- 1,346 Linear Feet of Bluestone Edging Reset.
- 312 Linear Feet of Bluestone Steps Reset.
- 93 Cubic Yards of Concrete.
- 15,920 Square Feet of Asphalt Walks.

#### UNION SQUARE PARK

*"For the Alteration of the Surrounding Retaining Walls, the Installation of Drainage, Water Supply, Walk Pavements, Stationary Artificial Granite Benches, New Fences and Other Work in Union Square Park."*

The new subway construction under Union Square Park necessitated the redesign of the Park and, therefore, a contract was executed as above named. The work was completed during the year, the quantities and items being as follows:

- Alteration of Retaining Walls.
- Water Supply System.
- 87 Linear Feet 12" Vitrified Drain Pipe.
- 162 Linear Feet 8" Vitrified Drain Pipe.
- 1,097 Linear Feet 6" Vitrified Drain Pipe.
- 1 Manhole.
- 9 Surface Basins.
- 14 Walk Basins.
- 6,029 Square Feet Asphalt Walk.
- 38,248 Square Feet Asphalt Tile Walk.
- 48 Artificial Granite Benches.
- 2,480 Linear Feet Copper Covered Coiled Spring Wire Fence.
- 4 Gateways.

#### VARIOUS PARKS

*"For Resurfacing the Playgrounds in St. Gabriel's, Carmansville and St. Nicholas Parks, Where Directed."*

Under the contract above named, the following was done:

- 808 Square Yards of Cinder Surfacing.
- 4,978 Square Yards of Playground Surfacing.

#### VARIOUS PARKS

*"For Resetting and Repointing the Steps, Where Directed, in Central, Colonial, Morningside and St. Nicholas Parks."*

Settling and disintegration of the rubble stone foundations of various stone stairs in Central, Morningside, Colonial and St. Nicholas Parks,

caused a number of the steps to become loose and shift from their original settings. This created a hazard for pedestrians using the stairs and also presented a very unsightly appearance.

A contract was therefore executed under which the following work was done:

3,587 Linear Feet of Steps Reset.  
12,618 Linear Feet of Steps and Cheeks Repointed.

#### VARIOUS PLAYGROUNDS

*"For Installing Handball Courts in Hamilton Place Playground, John Jay Park, Chelsea Park and the Heckscher Playground in Central Park."*

The quantities and items embraced in the above contract are as follows:

2 Type "A" Handball Courts.  
1 Type "B" Handball Court.  
1 Type "C" Handball Court.

#### WASHINGTON SQUARE PARK

*"For Furnishing and Erecting Tree Gratings and Guards and for Repaving with Asphalt, as specified, the sidewalks surrounding Washington Square Park."*

The walks in this Park were in such condition as to need complete replacement. In order to protect the trees, gratings and tree guards were installed.

The quantities and items are as follows:

160 Cubic Yards of Concrete.  
40,272 Square Feet of Asphalt Wearing Surface.  
48 Tree Guards and Gratings.  
93 Cubic Yards of Top Soil in Tree Pits.

#### PARKS AND PARKWAYS, BOROUGH OF MANHATTAN

*"For Repairing Sheet Asphalt and Asphaltic Concrete Roadway Pavements in Parks and Parkways in the Borough of Manhattan, Where Directed, during the Year 1931."*

This work was done under two separate contracts and the quantities and items are as follows:

320 Cubic Yards Concrete in foundation.  
13,611 Square Yards of Asphalt Wearing Surface.

## ARCHITECTURAL BUREAU

### CONSTRUCTION—CONTRACT WORK

#### BRYANT PARK

*"For the installation of thirty-six (36) book carriers on new conveyors in the Main Reading Room of the New York Public Library, Bryant Park, 42nd Street and 5th Avenue."*

Due to the increased patronage for reference books, etc., there was a demand for the convenient delivery of books to the Main Reading Room of the New York Public Library. A previous installation of two (2) book conveyors proved successful and, consequently, another contract for the installation of thirty-six (36) book carriers was executed and the work completed.

#### CENTRAL PARK

*"For furnishing and erecting steel shelving in the Metropolitan Museum of Art, Central Park, 82nd Street and Fifth Avenue."*

In cooperation with the Museum Authorities, a contract was prepared and executed for furnishing and erecting steel shelving for the purpose of carrying and displaying various objects in various rooms in the Metropolitan Museum of Art.

#### CENTRAL PARK

##### METROPOLITAN MUSEUM OF ART—LIBRARY EXTENSION

"Contract No. 1, for the Erection and Completion (excepting Plumbing, Heating and Electric Work) of Extension on the East side of the Library of the Metropolitan Museum of Art."

"Contract No. 2, for Heating and Ventilating in Extension on the East side of the Library of the Metropolitan Museum of Art."

"Contract No. 3, for Electric Work in Extension on the East side of the Library of the Metropolitan Museum of Art."

"Contract No. 4, for Plumbing Work for the Extension on the East side of the Library of the Metropolitan Museum of Art."

The above listed contracts for the extension of the Library of the Metropolitan Museum of Art were executed in 1930 but the work was completed during the year 1931. This improvement provided for additional space for the storage of books, for reading and study rooms.

## CENTRAL PARK

### METROPOLITAN MUSEUM OF ART—AMERICAN WING

*"For the Erection and Completion, so far as specified, of an Extension to the American Wing of the Metropolitan Museum of Art."*

Plans and specifications were prepared for the contract above mentioned and the work completed during the year 1931. This building was necessary for additional exhibition purposes.

## CORLEARS HOOK PARK

*"For Furnishing and Installing Seventeen (17) Water Closets and Two (2) Slop Sinks in the Men's and Women's Comfort Stations of the Pavilion in Corlears Hook Park at Jackson and Cherry Streets."*

Specifications were prepared and the contract executed as above named. Due to the unsanitary conditions, the trough system of water closets were removed in the Men's and Women's Comfort Stations in Corlears Hook Park and replaced with new porcelain, syphon jet, with integral seat and equipped with flushometer valves. The sinks are porcelain enameled iron.

## HIGH BRIDGE PARK

*"For Furnishing and Erecting a Field House in High Bridge Park."*

A new Field House was constructed in High Bridge Park, along the East side of Amsterdam Avenue, 260 feet North of 188th Street. It is constructed of brick with stone trimming and consists of basement with store-room, boiler and coal rooms, and a Main Floor with playroom, attendants' rooms, toilet rooms, etc. Erection began late in the year and, consequently, only approximately seventy percent (70%) of the work was completed in 1931. It is expected that the building will be complete in the Spring of 1932, when it will be appreciated by both the children and parents of the neighborhood.

## MANHATTAN SQUARE

### AMERICAN MUSEUM OF NATURAL HISTORY

#### POWER HOUSE AND SERVICE BUILDING

*"Contract No. 1, being the Erection and Completion, so far as specified, of a Power House and Service Building and connecting passages to connect the Power House with the present building of the American Museum of Natural History, Manhattan Square, Columbus Avenue and 77th Street, N. Y. C."*

"Contract No. 2, for the Plumbing Work, Fixtures, Gas Piping, etc., of the Power House and Service Building of the American Museum of Natural History."

"Contract No. 3, for the Heating and Ventilating of the Power House and Service Building of the American Museum of Natural History."

Although the contracts listed above were executed in 1929 and 1930, the work proceeded and was completed during the year 1931.

The construction of the Power House and Service Building was a big undertaking. It is necessary to supply heat, lighting, power and ventilation to the present group of buildings and to any additional ones that may be erected in Manhattan Square. It also contains preparation work rooms for the museum exhibits.

#### MANHATTAN SQUARE

##### AMERICAN MUSEUM OF NATURAL HISTORY AFRICAN HALL

"Contract No. 1-B, being the Erection and Completion, so far as specified, of a new Wing to be known as the AFRICAN HALL and certain passages to connect this new Wing with the present buildings of the American Museum of Natural History, Manhattan Square."

"Contract No. 2, for the Plumbing Work, Fixtures, Gas Piping, etc., for the African Hall of the American Museum of Natural History."

"Contract No. 3, for the Heating and Ventilating of the African Hall of the American Museum of Natural History."

"Contract No. 4, for the installation of all Laboratory Equipment for the African Hall of the American Museum of Natural History."

Contracts Nos. 1, 2 and 3 were executed in the latter part of 1930 and work on same proceeded throughout the year 1931, when approximately ninety-five percent (95%) was completed. It is expected that this entire project will be complete early in 1932.

Bids for Contract No. 4 were received on October 27, 1931 and the contract executed. The work on same is progressing satisfactorily and it is also anticipated that this contract will be complete in 1932.

The purpose of this new "African Hall" is to house the Akeley Exhibits of South Africa.

MANHATTAN SQUARE

AMERICAN MUSEUM OF NATURAL HISTORY  
SOUTH OCEANIC WING

"Contract No. 1, being the Erection and Completion, so far as specified, of the Northeast Wing to be known as the SOUTH OCEANIC WING and connecting this new wing with the Roosevelt Memorial Building of the American Museum of Natural History."

"Contract No. 2, for the Plumbing Work, Fixtures, Gas Piping, etc., for the South Oceanic Wing of the American Museum of Natural History."

"Contract No. 3, for the Steam Heating and Ventilating Apparatus for the South Oceanic Wing of the American Museum of Natural History."

The above mentioned contracts in connection with the erection and completion of the South Oceanic Wing of the American Museum of Natural History were executed during the year 1931. The work progressed satisfactorily but could not be completed this year. It is expected, however, that these contracts will be completed in 1932.

This new Wing is intended for the additional exhibition of rare birds.

MANHATTAN SQUARE

AMERICAN MUSEUM OF NATURAL HISTORY

*"For Furnishing, Delivering and Erecting Metal Bookstacks in the Skull Storeroom on the 5th Floor of the American Museum of Natural History."*

In cooperation with the Museum Authorities, a contract, as above named, was executed and the work completed in 1931.

MANHATTAN SQUARE

AMERICAN MUSEUM OF NATURAL HISTORY  
GARAGE DOORS

*"For Furnishing, Delivering and Erecting Garage Overhead Doors in the Passageway, where designated, at the American Museum of Natural History."*

A contract was executed and the work of furnishing, delivering and erecting garage overhead doors was completed during 1931, as follows:

#### MANUAL DOORS

1	North Wing—West Door .....	11' wide—11' high
1	North Wing—East Door .....	12' wide—11' high
1	Southeast Wing .....	12'—4" wide—11' high
1	Hall of Ocean Life.....	12'—4" wide—12' high

#### ELECTRIC DOORS

1	West Wing Passage—West Side .....	12' wide—11' high
1	West Wing Passage—East Side .....	12' wide—11' high
1	Garage, North Entrance .....	13' wide—10' high

#### MOUNT MORRIS PARK

*"For Roofing and Siding Repairs, Cement Work and Painting the Men's Comfort Station in Mount Morris Park."*

The Men's Comfort Station, situated about 300 feet South of 124th Street and 550 feet West of Madison Avenue, was thoroughly renovated and repaired including the replacing of all defective or missing tile on the roof; repairing and replacing the sheet metal work, removing the old unsanitary floor of the toilet and attendants' rooms, repairing the under floor and laying a new cement floor; repairing the front entrance and painting the entire building with two (2) coats of lead and suitable colors.

#### RIVERSIDE DRIVE

*"For Furnishing all Labor and Materials for the Erection and Completion (excepting the Electric Work) for a Field House Office to be used in connection with the West Side and Riverside Improvement."*

Plans and specifications and all necessary procedure were carried out by this office and the contract awarded for the Field Office Building which was found necessary in carrying out the ten million dollar project in connection with the West Side and Riverside Park Improvement.

It is a two story frame building with fireproof shingle roof, situated on the West side of Riverside Drive between 79th and 80th Streets.

The ground floor plan has accommodations for heating plant and supply and automobile space. The first floor provides for an office, drafting room, toilet and locker rooms and other accommodations necessary to carry out the field work without delay.

## UNION SQUARE PARK

"Contract No. 1, being the Erection and Completion (except Plumbing and Heating) of Shelter, Bandstand and Comfort Stations in Union Square Park."

"Contract No. 2, being the Plumbing Work and Gas Fitting in connection with the Shelter, Bandstand and Comfort Stations in Union Square Park."

"Contract No. 3, being the Heating Work in the Shelter, Bandstand and Comfort Stations in Union Square Park."

The subway construction in the vicinity of Union Square Park necessitated the rehabilitation of the Park. Consequently, plans and specifications and the contracts, above listed, were executed for the new pavilion, bandstand and comfort stations to replace the old wooden structure.

The new building, constructed of limestone, is 28' wide, 95' long and 20' high. It contains a pavilion, 24' wide and 70' long, with Musicians' Room, Toilet Room at the West end and a Storeroom at the East end. In the basement, at the West end are the Men's Toilet Room and Attendants' Room, and at the East end are the Women's Waiting Room, Toilet Room and Attendants' Room. The boiler and coal rooms are in the center of the building.

The floors are tile, the walls of the toilet compartments and the women's waiting room are white glass with black floor base cap and trim. Pipe passages are behind all plumbing fixtures in order that repairs made be made easily without closing any portion of the building or damaging floors, walls, etc., and to provide space for flush valves and other mechanical appliances so as to prevent damage or removal by vandals. The steam radiators are in the pipe passages transmitting the heat through grilles so that they cannot be interfered with or damaged. Besides the window ventilation, exhaust fans are provided.

The work on these contracts are nearing completion but will not be finished this year. It is expected, however, that they will be entirely completed next year and the building open to the public in the early Spring.

## CONSULTING ENGINEER'S REPORT

The work of the Consulting Engineer, Mr. Albert V. Sielke, includes the study and review of all preliminary plans, estimates, contract drawings, specifications, surveys and proposed projects affecting all areas under the jurisdiction of the Park Department prepared by the Engineering Bureau of the Department of Parks and outlined elsewhere in this report; also gen-



eral supervision of actual construction as well as the engineering features of all such projects. He is also consulted regarding the engineering work in connection with new park areas, created either by filling in, purchase or donation.

The West Side Improvement, comprising the construction of the elevated express highway from West 72nd Street to St. Clair Place, elimination of grade crossings at 72nd, 79th and 96th Streets, where such crossings interfere with the proposed highway, construction of esplanades, ramps, playgrounds, recreation fields for children and adults, etc., all come under the direct supervision of the Consulting Engineer.

He is also called upon to act as arbitrator when engineering problems and situations arise either within the Department or in outside organizations whose activities concern property under the jurisdiction of the Park Department. He attends conferences as a representative of the Department when work of other city departments affects park property, with a view to co-ordinating the work of all such departments, thus eliminating duplication of design and construction with the resultant saving to the city's taxpayers.

#### WEST SIDE IMPROVEMENT

The portion of this enormous project coming under the jurisdiction of the Park Department extends between the Hudson River and Riverside Drive, from the southerly side of West 72nd Street to St. Clair Place, a distance of about three miles, with eventual extension to Spuyten Duyvil. The work includes the covering and enclosing of the New York Central Railroad Company's tracks, its use as an express highway, and also the landscaping treatment of the areas east and west of the railroad tracks within park limits.

Under the agreement with the City of New York, the railroad company prepares the plans and specifications for the structure only, and McKim, Mead & White, consulting architects, prepare the architectural treatment for the structure and its appurtenances. The Park Department is required to make complete plans and specifications for the landscaping and construction of the park treatment, including design of the sea wall, swimming pool, boat houses, yacht basins, esplanades and pathways, bath houses, comfort stations, rest houses, playgrounds, tennis courts, etc. The Park Department represents the City of New York in supervising the construction of the project as represented on the plans prepared by the railroad company, the architects and the Park Department. This includes necessary topographical

surveys and negotiations with the various city departments in connection with the installation of water and water mains, sewers, electrical duct lines, traffic problems, etc.

Architectural and construction plans are being prepared for the 79th Street Grade Crossing Elimination, the 96th Street Grade Crossing Elimination, and for City Structures Nos. Five and Six, all of which are embraced in the areas from 79th Street north to St. Clair Place. This work necessitates attendance at numerous conferences and meetings with the engineers of the New York Central Railroad Company, and the firm of McKim, Mead & White, to study the architectural and engineering features of the design.

For those interested, the Park Department Report for the year 1930 gives a brief history of the West Side Improvement. A description of the proposed treatment of Riverside Park is given in the Park Department Report of 1927.

As the work in Riverside Park in connection with the Express Highway will extend over a number of years, a substantial field office for the engineering force supervising this work for the City was constructed in the Park between West 79th and 80th Streets, just west of Riverside Drive.

Pursuant to the agreement between the City of New York and the New York Central Railroad Company, dated July 2nd, 1929 and approved by the Transit Commission on July 3rd, 1929, a contract for the Substructure of City Structure No. Four, from West 72nd to West 79th Street, was entered into between H. H. Sherwin & Company, Inc., and the New York Central Railroad Company on January 6th, 1931.

This contract included the construction of an abutment wall along the easterly right of way of the railroad with duct lines and splicing chambers in the wall, and construction of column footings, retaining walls and column footing walls between the south line of West 72nd Street and the south line of West 79th Street, together with independent duct lines between West 71st and West 72nd Streets, including the necessary grading to subgrade for the proposed railroad tracks. This foundation work is to support a steel and concrete deck extending along Riverside Park and the Express Highway over the tracks of the New York Central Railroad Company. The estimated amount of this contract, figured on the unit prices bid, was \$612,655.75.

Construction work was started February 24th, 1931, by excavating for the easterly retaining wall with a steam shovel, working from West 79th Street southward.

As the footbridge and stairway to same over the tracks at West 72nd Street had its easterly support on the retaining wall at that point, it became necessary to provide a new support for that portion of the wall and a new stairway which would be clear of the retaining wall, the top portions of which had to be reconstructed in accordance with plans for the work. Work on this new footbridge was started on March 20th, 1931.

As the excavation for the East Wall progressed, the contractor began driving sheeting at West 79th Street on April 3rd, working southward from that point. On April 27th, the contractor put on a night shift, working from 4:30 P. M. to 12 P. M.

After considerable work had been done on the support for the 72nd Street footbridge, the Board of Estimate and Apportionment approved the construction of a new footbridge across the tracks of the railroad at West 71st Street, and although this location was outside the jurisdiction of the Park Department, arrangements for such construction as an extra item were made under the contract with H. H. Sherwin & Company, with the Park Department supervising the work, the contract amounting to the sum of \$17,939.36. This work was started April 30th, 1931.

On May 5th, the Transit Commission started work on a temporary grade crossing at the railroad tracks just north of West 79th Street, in order that the electrification of the railroad could be completed at this location.

On May 11th, a concrete mixer was unloaded at the site of the East Wall and concreting was begun on May 20th.

On May 18th, the work of removing stones from the top of the West 71st Street wall was commenced to provide a support for the easterly end of the 71st Street footbridge.

On May 18th, the Transit Commission started work on a temporary grade crossing at the tracks just north of West 96th Street, in order that the electrification of that section could be completed.

Considerable difficulty was experienced at the foundation for the East Wall at various locations on account of the character of the rock encountered. This excavation showed rock which was badly decomposed mica schist, with mud seams between the various layers. Excavation was therefore discontinued, as there was no assurance that solid rock would be reached if the excavation were carried to subgrade. Had excavation been carried to greater depths, it would have been extremely costly to the City, as it would

have been unsafe to construct a wall of this size on the rock encountered, the pressure at the toe of this wall being ten tons per square foot. The wall was therefore re-designed so that the pressure at the toe was reduced to six tons per square foot. This new design was used in places where decomposed rock occurred.

On June 10th, the erection of steel for the West 71st Street footbridge was commenced and the structure opened for traffic on June 16th. The footbridge at West 72nd Street was then closed and removed.

Filling along the river at this time proceeded north of West 100th Street.

Under date of May 6th, the Commissioners of the Sinking Fund transferred to the Department of Parks from the Department of Docks, the jurisdiction over the commercial areas at West 79th Street and West 96th Street.

On August 31st, the work of backfilling east of the East Retaining Wall was started just south of West 79th Street.

The steel work of Superstructure No. 2 of the Express Highway was completed to the south line of West 72nd Street on October 3rd.

The Board of Estimate and Apportionment on October 16th approved contract with H. H. Sherwin & Company, Inc., for the construction of the temporary viaduct from the abutment wall at West 72nd Street to connect the Express Highway with Riverside Drive at this point. Excavation for the viaduct foundations was started on November 14th and the erection of steel commenced November 28th. The placing of wooden floor started December 5th, and the structure was completed December 21st, being opened to traffic shortly thereafter.

The following itemized tabulation shows the estimated and actual quantities placed to December 25th, 1931, together with the cost of same, in carrying out the work to date:

<i>Material</i>	<i>Unit</i>	<i>Estimated Quantity</i>	<i>Actual Quantity</i>	<i>Cost</i>
Rock excavation .....	Cu. yd.	2,500	5,277.7	\$105,554.00
Old masonry excavation.....	Cu. yd.	2,500	2,283	11,415.00
Loose rock excavation.....	Cu. yd.	5,000	3,660	27,816.00
Common rock excavation.....	Cu. yd.	54,000	33,103	18,861.80
Rock excavation in water.....	Cu. yd.	250	251	22 590 00
Loose rock excavation in water.....	Cu. yd.	400	225	1,800.00
Common rock excavation in water.....	Cu. yd.	4,000	2,140	10,700.00
Concrete, Class "B".....	Cu. yd.	3,200	2,354.7	35,860.50
Concrete, Class "C".....	Cu. yd.	49,200	34,630	282,300.00
Waterproofing .....	100 sq. ft.	820	448	896.00
Reinforcing rods .....	Lbs.	180,000	100,458	3,516.03
Anchor bolts, etc.....	Lbs.	50,000	19,000	1,900.00
Structural steel doors.....	Lbs.	13,000	11,000	1,320.00
Cast iron manhole frames.....	Lbs.	4,125	4,125	288.75
Galvanized cable hangers.....	Lbs.	1,000	1,500	300.00
Eye bolts and anchors.....	Lbs.	407	342	171.00
Galvanized bell mouth fittings.....	Each	20	58	116.00
12" reinforced concrete pipe.....	Lin. ft.	212	100	250.00
36"x40" reinforced concrete pipe.....	Lin. ft.	325	240	1,920.00
6" vitrified tile pipe .....	Lin. ft.	2,100	2,400	960.00
15" vitrified tile pipe .....	Lin. ft.	620	483	724.50
18" vitrified tile pipe .....	Lin. ft.	340	153	306.00
20" vitrified tile pipe .....	Lin. ft.	410	196	431.20
24" vitrified tile pipe .....	Lin. ft.	110	84	277.20
30" vitrified tile pipe .....	Lin. ft.	230	219	1,314.00
24" cast iron pipe.....	Lin. ft.	160	89	890 00
1½" wrought iron pipe.....	Lin. ft.	100	240	120.00
3" wrought iron pipe.....	Lin. ft.	200	42	33.60
3½" wrought iron pipe.....	Lin. ft.	200	932	838.80
2" wrought iron pipe sleeve .....	Each	3	4	8.00
4" wrought iron pipe sleeve.....	Each	320	462	1,386.00
4½" wrought iron pipe sleeve.....	Each	640	660	2,310.00
Broken stone filling.....	Cu. yd.	300	11.5	51.75
Manholes to 10'.....	Each	22	18	2,700.00
Manholes over 10'.....	Lin. ft.	100	149.08	2,981.60
3½" fibre conduit.....	Lin. ft.	19,000	23,800	3,689.00
4" fibre conduit .....	Lin. ft.	40,000	35,700	5,890.50
Indemnity bond .....	Per 100	\$6,065.90	\$6,065.90	6,065.90

In addition to the above, the following change statements were approved :

Change Statement No. 1—71st and 72nd Street footbridges.....	\$14,619.45
Change Statement No. 2—71st Street footbridge, electrical work.....	345.00
Change Statement No. 3—72nd Street footbridge, east stairway.....	800.34
Change Statement No. 4—Extra sheeting and track supports.....	13,925.00

Total of all work..... \$589,242.92

The area of land made by filling and grading operations along the Hudson River in Riverside Park extension, between 72nd Street and the Harlem Ship Canal, up to December 31st, 1931, is as follows :

72nd to 79th Streets.....	72.1 acres
North of 158th Street.....	7.1 acres
174th Street .....	3.7 acres
North of Dyckman Street.....	10.2 acres

Total ..... 93.1 acres (approximate)

## OTHER ACTIVITIES

### OLD SOUTH RESERVOIR

After a delay of almost a year, pending the submission and approval of new plans submitted by the New York Chapter of the American Society of Landscape Architects, for the development of this area, the contractor was directed to proceed with filling and grading operations.

### FORT TRYON PARK

This area, originally known as the Billings Estate, was donated to the City by Mr. John D. Rockefeller, Jr., who appointed Olmsted Brothers, landscape architects, to improve this park in conjunction with the Park Department. The work is progressing rapidly. The Park Department has arranged with the Department of Water Supply, Gas & Electricity for the installation of the water system necessary in carrying out this improvement. As the work progresses, the Park Department will make the necessary arrangements to complete that portion of the work which will be done by the City.

### BOARD OF TRANSPORTATION

The building program of the Board of Transportation necessitated the removal and relocation of the comfort station in Seward Park at Essex and Hester Streets. This work was inspected, reviewed and accepted by the Department of Parks on January 19th, 1931.

### PORT OF NEW YORK AUTHORITY

A direct connection is proposed between the George Washington Memorial Bridge and the Harlem River Speedway through Highbridge Park. The proposed plans, prepared by the Port of New York Authority, have been carefully studied and reviewed.

Permits to the Port of New York Authority have been prepared for the temporary use of park lands in connection with the work of constructing the New York approaches to the George Washington Bridge.

Plans and specifications for new tennis courts constructed by the Port of New York Authority at about 174th Street south of the bridge and west of Riverside Drive, have been completed.

## PULITZER FOUNTAIN

Efforts to secure the approval of the Art Commission in connection with the restoration of this fountain have been continuously expended. Conditional approval has been received from the Art Commission, but conditional only, and the Park Department cannot proceed with any work unless it is finally approved.

In order to hasten the work, the Park Department prepared plans and specifications. It was intended to remove all present stone work of the fountain and replace same with new stone. The method of protecting the stone was carefully studied and a suggestion made that the bottom of the fountain be relined with sheet lead, as limestone is very porous and readily absorbs water, which freezes, expands and disintegrates the stone. Studies were made as to the best method of waterproofing the stone by impregnating it with waterproofing compound, which has proven very satisfactory in cases where it has been used, such as the Obelisk in Central Park, the Soldier's and Sailor's Monument in Riverside Park, etc.

These plans and specifications were continually being changed and corrected at the request of the Art Commission, and the matter so greatly delayed that the appropriation made by the Board of Estimate and Apportionment for this purpose was rescinded.

## BUREAU OF RECREATION

### PURPOSE

To translate the liabilities of child and adult leisure into assets and to build character through organized gripping activities is the important aim of the Bureau of Recreation.

Realizing that both the machine and various inventions have brought about during the past decade considerable leisure for the adult, emphasis was placed on a more extensive use of our facilities so that they could be used not only by the children but also by the adults.

Due to the efforts on the part of the Playground Directors to keep the children in the playgrounds, activities were arranged for both children and adults and it is interesting to note that during the year 1931 there were fewer street accidents to children than during the year 1929-1930.

Character building is a very important aim of the Bureau of Recreation. For the park playground, it can be said that it offers to the children of New York the priceless gift of a place to play where they can have fresh air, sunshine and outdoor exercise, of which they are sorely in need. The

trees and lawns about some of our playgrounds and athletic fields have a peaceful and restful effect on the minds of the children and adults using them.

Opportunity is offered to the child to mingle in an animated, stimulating, miniature society, which presents many of the situations one encounters in adult life. The playground develops the cooperator, the competitor, the rival, the leader, the follower, the friend. The game fosters loyalty to one's fellows, to one's team and to one's playground. It accustoms one to obey the captain and to work for the good of the whole rather than one's self. It develops fidelity in concerted action. There is a quickening of sense perceptions, and the child not only learns to be alert, but he learns the value of alertness and inhibition.

In being required to abide by the rules of the game under circumstances which sorely try the temper, one acquires self-control. In short, it can be said that the children of New York City are better mentally, morally and physically as a result of attending our park playgrounds.

The Bureau of Recreation has aimed to extend the use of its facilities, and permits were issued to some of the public and private schools to use our gymnasiums, when not in use by the general public. This was only done in those cases where there were no facilities for the physical instruction of the child in the school buildings.

Our public gymnasiums which have been conducted for a number of years as places where the young people may take part in athletic games and gymnastic work have been made real community centers. They are places where the young people meet and organize themselves into groups and clubs. This work has been both recreational and educational. The idea of the organization of Mothers' Clubs is also being impressed upon our Playground Directors, and many of them have been very successful in organizing Mothers' Clubs within their respective playgrounds.

To accomplish the above purposes of the Bureau of Recreation it has been our aim to cooperate with the various social agencies and to study any constructive suggestions or ideas that were submitted.

#### FACILITIES

The Bureau of Recreation has under its supervision 67 Park Playgrounds, 9 Public Gymnasiums open the year round, 4 Recreation Piers, 2 Tennis Fields—47 courts, 32 Baseball Diamonds, 42 Basketball Courts, 27 Club Rooms, Field Houses, Shelter Houses, Pavilions, 15 Horse Shoe Pitching Courts, 14 Wading Pools, 22 centers where athletic meets can be held, 2 Shuffle Board Courts, 5 Croquet Courts, 1 Cross Country Running Area.



## ACTIVITIES AND PROGRAM OF WORK

Some of the factors taken into consideration in organizing the various activities and programs of work include the following: Age of children attending the playgrounds; the play interests of the child and the recreational interests of the adult using the respective facilities under the jurisdiction of the Department of Parks; amount of supervision required and benefits to the individual.

The Playground Directors accordingly organized a program of work which included the following activities: Baseball, basketball, soccer, football, tennis, handball, volley ball, swimming, skating, hockey, captain ball, punch ball, athletic meets, swimming meets, tournaments, club work, social gatherings, moving pictures, concerts, Christmas Festival, Playground Institute, local recreation conferences, celebration of July Fourth, and other holidays, excursions, boat rides, roller-skating contests, marble-shooting contests, coasting, ice skating, winter sports carnival, exhibitions by experts in sport lines, baseball league for men, co-operation with all recreational agencies, co-operation with the Mayor's Committee on Municipal Athletic Activities.

## PLAYGROUND ORGANIZATION

With the idea firmly fixed in their minds that clubs train for good citizenship and that the benefits realized thereby bring about respect for authority and obedience to the law, and also the development of loyalty in the individual child, the Playground Directors organized their playgrounds on a club basis. They also developed the playground along self-government lines and this, in turn, aided them in the matter of supervision and discipline. The children were invited to join clubs, such as Good Citizenship Clubs, Health Clubs, Sanitary Squads, Junior Police, etc. In order to accommodate as many children as possible Intra-playground leagues and tournaments were arranged.

Assigned to the majority of park playgrounds there is a Playground Director, Male, and Playground Director, Female. These Playground Directors take care of the activities for boys and girls respectively. During the Spring, Summer and Fall months additional temporary Playground Directors are assigned and more playgrounds opened.

## BOYS' ACTIVITIES

### BASEBALL, INTER-PLAYGROUND TOURNAMENT AND INTRA-PLAYGROUND LEAGUE

This league organized within each playground proved most successful and popular with the smaller boys. Each playground was represented by at least eight teams.

## BASKETBALL AND RELATED GAMES

Combination Pass Ball, Modified Soccer, All-Up Relay, Number Relay, Maze Tag, Football Pass, Volley Ball.

## ATHLETICS

Two athletic events were held each day. The children were given points, and prizes were awarded to those having the highest number of points at the end of the season.

## NOVELTY EVENTS

Elephant Walk, Penny Placing, Nose and Ear Tag, Blind Boxing, Chicken Fight, Hand Wrestling, etc.

## PASSIVE RECREATION

From the health standpoint of the child it is advisable not to have the children playing active games all day. Passive recreation in the form of quiet games, handicraft, story-telling, phonograph concerts is substituted for active games. This is the most important for the weak child.

## PLAYGROUND EQUIPMENT

Gymnastic Equipment, Slides, Swings, Jungle Gym, See Saw, Merry-Go-Round, Toboggan Slide, Sand Tables, Bagatelle Boards, Kindergarten Tables.

## SOCCER AND ASSOCIATION FOOTBALL

### GIRLS' ACTIVITIES

DANCING—National and Folk

QUIET GAMES—Checkers, Dominoes, Parchesi

STORY TELLING

HANDICRAFT

PLAYGROUND EQUIPMENT

ATHLETICS

TENNIS

FIELD HOCKEY

BASKETBALL

For many years emphasis has been placed upon athletics for boys and very little attention was given to athletics and outdoor sports for girls. Practically the only activity which was encouraged by physical training authorities was folk, national and social dancing. It is the consensus of

opinion among health educators and doctors today that greater interest should be taken in sports and recreational activities for girls.

Girls should have good lungs, a good digestion and a good heart, and activities for girls were selected which were interesting and which would bring results. Leadership, courage, self-reliance, good judgment and will power were aims in girls' Athletic Activities, which were: All Up Relay, Pass Ball Relay, Short Dashes, Basketball, Relay Races, Punch Ball.

#### PLAYGROUND EQUIPMENT FOR GIRLS

Swings, Slides, Bagatelle Boards, Balancing Beams, Rope Skipping, Club Work.

#### KINDERGARTEN CHILDREN

Free Play, Swings, Hammocks, Marching, Quiet Games, Blocks, Scrap Books, Kindergarten Games, Singing Games, Story Period, Handiwork.

#### GYMNASIUM ORGANIZATION

The activities in the gymnasium included: Basketball, Volley Ball, Boxing, Wrestling, Track Activities, Dancing, Heavy and Light Apparatus Work, Club Meetings, etc. Emphasis was placed on informal work and although no experiment was carried out the Director believed that harmonious development could just as well be obtained through informal as formal work. Tournaments and point contests were held at different times during the year to discover the best basketball teams and the best athletes.

During the year 1931 our public gymnasiums have been used more extensively than ever before. Between the hours of 9 A. M. and 3 P. M. requests came from the Principals of the various schools in the vicinity of the gymnasiums to have their pupils use our gymnasiums. Permits were issued in those cases where there was no interference with the use of the gymnasium by the general public. A more extended use of the gymnasiums occurred after 3 P. M. when not only the children of the public schools but also those from the parochial schools made use of them.

Our Gymnasium Directors were assigned from 3:15 to 10 P. M. and during the afternoon tournaments and activities were conducted for both boys and girls. One day a week in each gymnasium was designated as girls' day and only girls were permitted to use the gymnasiums on these particular days. The creed of our gymnasiums was that each person using them should be trustworthy, loyal, helpful, friendly, courteous, respectful, cheerful, brave and clean of mind and body.

The locations of our public gymnasiums are:

East 54th Street near First Avenue.  
West 28th Street near Ninth Avenue.  
West 59th Street near Tenth Avenue.  
Carmine Street near Clarkson Street  
Rutger Place near Jefferson Street.  
Cherry and Oliver Streets.  
134th Street near Lenox Avenue.  
Hamilton Fish—Houston and Pitt Streets.  
John Jay—77th Street and East River.

After 5 P. M. adults use the gymnasiums exclusively. Between the hours of five and seven commercial organizations in the vicinity of the gymnasiums make application to have their teams practice and wherever possible we make arrangements to accommodate them. Between 7 and 10 P. M. basketball teams from the immediate neighborhood made great use of our gymnasiums. Leagues and tournaments were arranged and various athletic activities conducted. Clubs were organized in all the gymnasiums. It is our belief that the organization of clubs train for good citizenship and that the club fosters respect for authority and obedience to the rules of the game and loyalty to club and gymnasium. In fact, our gymnasiums are truly community centers and places where not only the young people, but also adults can find recreation and play. There was a noticeable increase in the attendance at all the public gymnasiums during the unemployment period.

#### BASEBALL

The Playground Directors were instructed at conferences to conduct Intra-Playground Baseball Tournaments for the boys; in fact, greater emphasis was placed on the Intra-Playground activities than on the Inter-Playground activities.

In addition to this Intra-Playground Tournament an Inter-Playground Tournament was organized. Each playground organized its own baseball league and league games were held every afternoon at three o'clock. A round robin inter-playground Baseball Tournament was also organized for boys 5' 2" in height. Hundreds of children often travelled with their team and evidence of friendly rivalry and good sportsmanship was apparent. The boys were taught to fight hard to the end of each game and many victories were won in the 9th inning.

ST. CATHERINE'S won the title of Manhattan Championships with HUDSON second and HECKSCHER third.

#### BASKETBALL

The skill and accuracy required in basketball appeal not only to the large boy but also to the small boy. Wherever possible basketball leagues were organized within the playground and a definite schedule was posted.

An inter-playground tournament was organized for boys 5 feet two inches in height. It is the most popular activity during the Fall and Winter months in our indoor gymnasiums and Field Houses. An Inter-Gymnasium Basketball Tournament was also conducted for the young men who use the Park Department facilities.

#### HANDBALL

Handball is becoming more popular every day. Realizing the popularity of handball, additional courts were recommended. Here the emphasis is placed on intra-playground tournaments inasmuch as it was impossible to arrange an inter-playground tournament because many of the playgrounds were not equipped with handball courts. Wherever possible, however, the large stone pavilions in our smaller parks were used for this purpose. It is planned to erect additional handball courts at—

John Jay.  
Heckscher.  
Hamilton Place.  
Chelsea.  
Hudson.  
Coleman.

#### MARBLE-SHOOTING CONTESTS

Marble-shooting still holds the interest of the smaller boy in our park playgrounds. Marble-shooting contests, for which the New York World donated the prizes, were conducted in all playgrounds. The final contest took place at City Hall Park and the winners were: Hubert Willhoft, twelve, 8939 Gold Street, Ozone Park, Queens, was the marble champion of Greater New York; Nathan Apsel, thirteen, 545 Powell Street, Brooklyn, N. Y., was second, and Jack Meshirer, fifteen, 4355 Robertson Street, Flushing, Queens, third. The prizes were presented by Hon. James J. Walker, Mayor.

#### TENNIS

The popularity of the Central Park tennis courts was shown by the number of tennis permits issued—4,883 at \$2.00 and 465 (junior) at \$1.00. The tennis courts were open from 7 A.M. until dark. A permit entitled the holder to play one hour per day. The average attendance on Saturdays, Sundays and holidays was 1,200 persons. Ten tournaments were conducted and representatives were sent to the National Public Parks Championships which were held at Detroit.

In order to pay the expense of the winners to go to the National Public Parks Championships it was necessary to raise the money to defray the incidental expenses. Motion pictures were shown and a dance held at Washington Irving High School, at which \$168.00 was raised. The representatives at the tournament were: Miss Helen Germaine, Cyrus Miller, Mathilda Jacobs and Leo Battari.

#### CENTRAL PARK TENNIS CHAMPIONSHIP

July, August and September, 1931

##### MEN—SINGLES

1st—Cy Miller  
Gabby Lyons

##### WOMEN—Singles

1st—Helen Germain  
2nd—Mathilda Jacobs

##### MEN—Doubles

1st—Joe Rosenbaum, Irvin Peck  
2nd—Wm. Levine, Dave Wightman

##### WOMEN—Doubles

1st—Mary Jones, Mrs. Sample  
2nd—Mathilda Jacobs, Maude Remey

#### ATHLETIC MEETS

The Playground Directors were urged at conferences to hold weekly athletic meets in all park playgrounds. Points were given for first, second and third places and these were tallied at the end of the season to discover the best athletes of the playground. Some of the events of the athletic meets included—potato races, relay races, 50-yard dash, obstacle races, flag races, sack races, roller skating, running broad jump, high jump, stunt contests.

#### MINIATURE SAIL BOAT CONTEST

One of the most interesting and picturesque activities conducted by the Bureau of Recreation is an annual Sail Boat Contest.

The very wealthy child enters his boat side by side with the poor child from the tenement district, and quite often the home-made boats win the races. There were special events from home-made boats, electric power boats, manufactured boats. The various classifications were as follows: 15-inch class, 25-inch class, 40-inch class, 55-inch class, 70-inch class, home-made and motorboat.

#### CANOE CHAMPIONSHIP

Some of the clubs that took part in the Canoe Championships were Washington Canoe Club, Island Canoe Club, Riverside Association, Yonkers Canoe Club, Philadelphia Canoe Club, Pendleton Canoe Club. Co-opera-

tion was received from the American Canoe Association. Prizes were awarded by the Department of Parks. The Championships took place at the 72nd Street Lake, Central Park, on July 4th and attracted an attendance of five thousand persons.

#### MINIATURE AIRPLANE CONTEST

With the co-operation of the New York Graphic a Miniature Airplane Contest took place on the Sheep Meadow, Central Park. Five thousand persons including competitors, spectators and parents witnessed this event. His Honor Mayor Walker was present and awarded the prizes.

#### TWILIGHT BASEBALL LEAGUE

Every year a Twilight Baseball League is held in the larger baseball fields. This league is for young men over the age of 18 years and approximately eight teams took part in the league within each ball field. An inter-playground tournament was then conducted and Hudson won first place.

#### THIRD ANNUAL SWIMMING MEET

With the co-operation of the Daily News a swimming meet was conducted on the large lake, Central Park, on July 26th. A portion of the lake was sterilized and every sanitary precaution was taken before the meet was actually conducted. Inspections and tests of the water were made by the Health Department. Co-operation was received from the various swimming associations. The meet was sanctioned by the A. A. U.

#### HORSESHOE PITCHING CONTEST

Horseshoe Pitching is becoming very popular and every day one can see young men pitching horseshoes at Jasper Oval, 136th Street and Convent Avenue, Heckscher Playground, 64th Street Central Park and Hudson Park Playground, Clarkson and Hudson Streets.

#### JACKS CONTEST

The Playground Directors find that the children do not like to play active games on a hot summer's day but would rather play some quiet game. Accordingly, tournaments and contests were conducted in all of the quiet games, such as checkers and jacks. A special feature was made of the Jacks Contests and considerable interest was shown by the girls of the respective playgrounds.

## ROLLER SKATING

Roller skating is one of the popular Fall activities and its popularity and interest is taken advantage of by the Playground Directors who organize roller skating contests. An inter-playground contest was then arranged, the finals of which took place at the Mall, Central Park. The interest in the event was so great this year that approximately three thousand spectators witnessed the final races.

Prizes consisting of gold, silver and bronze medals were donated by the New York World for each event, and Modell's Sporting Goods Company donated roller skates to many of the winners. Two silver cups were donated by Borough President Samuel Levy and Miss Martha Byrne, Register.

Our wading pools are now being so constructed that they can be used for roller skating during the Fall of the year. At Hamilton Fish Park the roller skating contest took place in the wading pool proper. The wading pools are so graded that they can be used for various activities during the year.

Pushmobile and Scooter Races were also held in connection with the roller skating contests and prizes were awarded for the winners in the home-made class.

## SOCCER FOOTBALL

So great is the interest in soccer football at the present time that various leagues have been organized, not only by the Department of Parks but also by the commercial organizations and shipping interests, together with the Public Schools Athletic League. Practically all of these games took place on the facilities of the Department of Parks and permits are issued in order to insure an equitable distribution of the playing area. The Sailors and Seamen's Institute have taken particular notice of the interest on the part of the seamen and have requested permits for many of the teams from the various ships.

The tournament conducted by the Department of Parks was an intra-playground tournament, whereby the Playground Director organized his soccer league with teams within the district of his playground. The Department of Parks provided soccer balls and equipment wherever it was possible.

## SILVER SKATES DERBY AND METROPOLITAN SKATING CHAMPIONSHIPS

Partly due to the publicity given the Skating Carnivals that have taken place in the past nine years at Central Park ice skating is becoming more popular every year. Unfortunately we have very few days of skating in



New York City, and for this reason an effort is made to have our wading pools sprayed for ice skating when the temperature is below 25 degrees.

Arrangements were also made to have the water at the Conservatory Lake, Central Park, lowered so that there were three inches of water at the edge of the lake and this gave us an opportunity to have skating a greater number of days at this particular lake.

The Silver Skates Derby which is conducted in co-operation with the Daily News and the Middle Atlantic Skating Association, continues to hold the interest of many spectators. Approximately 18,000 persons witnessed this carnival.

The Metropolitan Outdoor Skating Championships also hold the interest of skating enthusiasts. Skaters from the metropolitan district are most anxious to win the coveted championship and medal. Co-operation is also received from the Middle Atlantic Skating Association and thousands of spectators witness the various events. Prizes are donated by Mr. Franklin Simon through the co-operation of the Fifth Avenue Association.

The following are the special activities and the respective dates on which the activities were held:

Silver Skates (Daily News—Conservatory Lake).....	Jan. 18th and 24th
Metropolitan Ice Skating Championship (Conservatory Lake).....	Jan. 26th
Municipal Basketball Tournament.....	Feb. and March
Inter-Gym Basketball .....	April 17th
Pet Show .....	April 20th—May 9th
Marble Shooting .....	May 15th
Sail Boat Contest.....	May 23rd
Airplane Contest .....	June 6th
Children's Day Exercises.....	June 20th
Milkfund—Hamilton Fish .....	June 25th
Paddle Tennis Tournament.....	June 27th
Bus Outing (Luna Park).....	July 15th
News Swimming Meet.....	July 26th
Athletic Meets—Hamilton Fish—St. Catherine's and Thomas Jefferson .....	May to June
July Fourth Celebration.....	July 4th
Tennis Tournament—Central .....	June-July-August
Baseball Tournament .....	July-August
Twilight League Baseball .....	July
Jacks Contest .....	August
Roller Skating .....	October
Christmas Festivals .....	December
Intra-Playground Soccer Tournament.....	Nov.-Dec.

## RECREATIONAL PROGRAM

### ATHLETICS (Boys and Girls)

Active Games  
Gymnastic Games  
Swimming  
Skating  
Track and Field  
Boxing  
Wrestling  
Coasting  
Folk Dancing  
Aesthetic Dancing  
National Dancing

### QUIET GAMES AND ACTIVITIES

Checkers  
Dominoes  
Parchesi  
Bagatelle Board  
Story Telling  
Handicraft  
Kindergarten Activities  
Swings  
See-saws  
Slides

### CLUBS

Athletic  
Civic  
Camp-fire  
Community Scouts  
Dramatic  
Glee

### LEAGUES AND TOURNAMENTS

Baseball (small boys)  
Baseball (men)  
Basketball  
Volley Ball  
Handball  
Tennis  
Horse-shoe pitching  
Marble Shooting  
Jacks Contests  
Soccer  
Checkers

### FESTIVALS AND SPECIAL OCCASIONS

Concerts  
Motion Pictures  
Pageants  
Exhibitions of athletic skill  
Festivals  
Parties  
May Day on the Green  
Get-together for Municipal Employees

### ENTERTAINMENTS

Water Carnivals  
Ice Skating Carnivals  
Roller Skating  
Athletic Meets  
July 4th Celebrations  
Christmas Festivals  
Baby Parties

## EQUIPMENT

PLAYGROUNDS—Swings, slides, see-saws, jungle-gyms, balancing beams, blocks and small units of play equipment.

GYMNASIUMS—All units of light and heavy apparatus.

### PROGRAM OF ACTIVITIES FOR THE FOUR SEASONS OF THE YEAR

SPRING—Top Spinning Contests—Outdoor Athletic Meets—Group Games—Folk Dancing—Volley Ball Tournaments—May Day on the Green—Safety Day Parades—Boy Scout Activities—May Parties—Baseball—Children's Pet Shows—Arbor Day Exercises—Kite Flying Contests—Model Airplane Contests—Miniature Boat Sailing Contests—Use of Units of Play Equipment—Bird House Building—Croquet—Field Hockey—Bowling on the Green—Roque.

SUMMER—Swimming—Wading Pool Activities—Baseball Tournaments—Tennis and Tennis Tournaments—Horseshoe Pitching Contests—Jacks Contests for Girls—Checker Tournaments—Quiet Games (Lottos, Parchesi, Dominoes, Handicraft)—July 4th Celebration—Motion Pictures—Pageants—Parties—Festivals—Use of Units to Play Equipment—Story Telling—Aesthetic and National Dances—Group Games—Concerts—Punch Ball Tournaments—Paddle Tennis Tournaments—Baby Parades—Water Carnivals—Canoe Championships—Outings and Excursions.

FALL—Wrestling—Roller Skating—Handball Tournaments—Basketball—Outdoor Basketball Tournaments—Boxing—Use of Play Equipment—Stunts—Mass Athletics—Soccer and Soccer Tournaments—Association—Block Parties—Scooter, Pushmobile and Bicycle Races—Group Games—Dramatic Clubs—Glee Clubs—Apparatus Work—Field Hockey for Girls.

WINTER—Christmas Festival—Christmas Tree for Birds—Coasting—Ice Slides—Snow Fort Building—Snow Dodge Ball—Bombardments—Doll Making—Group Games Involving the Large Muscle Groups—Ice Hockey—Skiing—Get-together Parties for Municipal Employees. The program indoors consists of athletic meets—Basketball Tournaments—Social Dancing—Debates—Use of Indoor Swimming Pools—Calisthenics and Apparatus Work—Exhibitions and Demonstrations of Gymnastic Work and Athletic Skill.

It is the duty of Playground Directors to organize as many clubs as possible. Clubs train for good citizenship, respect for authority, obedience to law and loyalty. Loyalty to club name, ritual and tradition develops the background of loyalty to City, State and Nation.

Some of the clubs organized are: Athletic, Civic, Camp Fire, Community, Scouts, Community Chorus, Dramatic, Glee Clubs, Junior Police, Literary, Military, Orchestral, Philanthropic and Social.

The above program takes into consideration all age groups, seasonal activities and the popularity of same, also aesthetic taste.

#### MOTION PICTURES

Motion Pictures may well be considered a means of education as well as recreation. It has been the desire, therefore, of the Bureau of Recreation to obtain the co-operation of the various Settlements and organizations interested in motion pictures in our smaller parks and playgrounds. No appropriation for this purpose was received from the Board of Estimate and Apportionment.

Motion Picture permits were issued to the Hudson Guild, 436 West 27th Street, the Bureau of Health Education, Department of Health, 505 Pearl Street, and the New York Edison Company (Educational Extension Bureau), 393 Seventh Avenue, to conduct these pictures which were shown throughout the Borough of Manhattan, and supervised by the Field Staff of this Bureau.

In many instances band concerts were scheduled in connection with the exhibitions of motion pictures and furnished good wholesome and educational entertainment to thousands of spectators, young and old, throughout the summer season.

#### CO-OPERATION WITH OUTSIDE AGENCIES

Some of the organizations that this Department has been able to assist and co-operate with are:

- Public Schools Athletic League
- Amateur Athletic Union
- National Recreation Association Women's City Club
- Boy Scouts of America
- Leading Newspapers and Publications
- Mayor's Committee on Municipal Athletic Activities

Metropolitan Skating Association  
 United Neighborhood Houses, Inc.  
 Community Councils  
 Russell Sage Foundation  
 Boys' Federation  
 Public, Private and Parochial Schools

# RECREATION CONFERENCE OF THE CITY OF NEW YORK

The success of the Annual Recreation Conference which was held for the third time in 1931 depended to a certain extent on the interest that was shown at the Hotel Commodore on October 15th, 16th and 17th. The program of this conference was as follows:

## CONFERENCE SESSIONS

William Church Osborn.....General Chairman  
 Hotel Commodore  
 Thursday, October 15th, 1931—8:00 to 10:00 P. M.  
 Roy Smith Wallace.....Chairman

### GENERAL VALUES IN RECREATIONAL WORK

George Hjelte  
 Superintendent of Recreation, Westchester County

### INDIAN DANCE

Brooklyn Playground Group

### JOCKEY'S DANCE

Brooklyn Playground Group

### VALUES IN ATHLETICS

Gustavus Town Kirby  
 President, Public Schools Athletic League, New York City

### HUNGARIAN DANCES

Playground Directors Group, Queens County

### PRINCIPLES OF PROGRAM MAKING

Charles English, Executive Secretary, Playground Association, Philadelphia, Pa.

### STRAUSS WALTZ

Playground Directors' Group, Manhattan

### AN IRISH FOLK PLAY

"Foam Maiden"—by Constance D'Arcy Mackay  
 Presented by Playground Directors of The Bronx

### Cast

Moirá Farrell .....Freda O. Martin  
 Michael, her son.....Agnes Buckley  
 The Foam Maiden.....Mary Flood  
 Accompanist .....Reba McLain

Friday, October 16th, 1931—8:00 to 10:00 P. M.

Owen R. Lovejoy.....Chairman

RECREATION SERVICE OF THE BROOKLYN PARK DEPARTMENT  
John J. Downing, Supervisor

RECREATION SERVICE OF THE BRONX PARK DEPARTMENT  
John J. McCormack, Supervisor

RECREATION SERVICE OF THE QUEENS PARK DEPARTMENT  
John F. Murray, Supervisor

FESTIVAL DANCE, BRONX PLAYGROUND GROUP  
QUALIFICATIONS OF AN IDEAL PLAYGROUND DIRECTOR  
James V. Mulholland, Supervisor of Manhattan

RECREATION AND CRIME PREVENTION  
Deputy Commissioner Henrietta Additon

FRENCH FOLK PLAY  
"The Three Wishes"—by Constance D'Arcy Mackay  
Playground Directors of Manhattan

Cast

Andre Renaud .....Sada Naftalen  
Lizetta, his wife.....Jessie Brennan  
The Stranger .....Ruth Williamson

Exhibitions of handicraft—charts, models and photographs—were on display in the West Ball Room of the Hotel Commodore, Thursday and Friday evenings.

EXECUTIVE COMMITTEE

Mr. Eugene C. Gibney  
Mr. James V. Mulholland  
Mr. John J. Downing  
Mr. John J. McCormack  
Mr. William J. McAuliffe  
Mr. John F. Murray  
Mr. Robert J. Hubbard

Mr. Owen R. Lovejoy  
Mr. George E. Dickie  
Miss Mary E. McKenna  
Mr. John T. Murtha  
Mr. Maurice Hemley  
Miss Gertrude W. Walsh  
Miss Katherine M. McEvoy

PURPOSE OF RECREATION CONFERENCE OF THE CITY OF  
NEW YORK

To conduct an annual conference for recreational workers and leaders and to discuss recreational matters pertaining to public playgrounds, community centers, gymnasiums, recreation piers, tennis courts, etc.

To make recreational surveys and recommendations for improvements.

To keep before the administration the need for these increased facilities for play and for the improvement of the present facilities.

To interest more citizens and individuals in municipal recreation.

To raise standards of leaderships through civil service requirements and to secure adequate compensation to attract and hold capable playground and recreation directors.

To plan and conduct neighborhood recreation conferences.

To assist in planning recreational programs of activity for New York City.

On the evening of October 17th a dinner and dance was held at the Hotel Commodore which was attended by approximately one thousand persons. Considerable publicity was given this Conference and many persons interested in recreation attended the evening sessions and the dinner. The contemplated improvements were discussed and a definite program was planned. Other conferences will be held throughout the city.

#### CHILDREN'S DAY JUNE 18, 1931

June 18th was designated nationally as Children's Day, the idea being to focus attention on the importance of having children play in our playgrounds rather than on the streets. Co-operation was received from the various organizations. Hair ribbons were awarded to the winners of the contests for girls and cups were presented to the winners of the baseball games for the boys. The day proved a great success. A very interesting program took place at Columbus Park Playground which follows:

- Dash—30 Yards for Small Boys
- Dash—30 Yards for Small Girls
- Game—Going to Jerusalem
- Tug-of-War
- Game—Crossing the Brook
- Potato Race
- Hobble Race
- Quoit Pitching
- Folk Dancing

#### JULY 4TH CELEBRATION

Independence Day was celebrated in all of our parks and playgrounds. Athletic Meets and Band Concerts were held throughout the City. The total number competing was 40,000. Seventeen hundred officials volunteered their services and every athletic club co-operated to make the affair a success. Spirited competition featured all the meets and the youngsters showed as much enthusiasm and interest winning prizes as they did in the days of old, when the day was celebrated with dangerous fireworks and life and limb were in danger.

One thousand sets of prizes, three to a set, were offered in competition making three thousand individual prizes awarded for athletes. The prizes were offered for the athletic events, folk dancing, festivals and patriotic pageants which combined to provide the day's activities. The program of the Greater City was under jurisdiction of the Department of Parks, Manhattan.

## INSTITUTES

Institutes were also planned with the co-operation of the National Recreation Association and these institutes took place at the West 59th Street Gymnasium. The subjects included—folk dancing, toy symphonies, drama, handicraft and games. The National Recreation Association has always been very co-operative with this Department and we wish to express our appreciation in this report for their co-operation in all recreational matters.

## CHILDREN'S HOLIDAY FESTIVALS

Children's Holiday Festivals were held at the following gymnasiums during the week of December 28th to 31st, 1931. This was a departure from our plan in former years when the children were gathered at one center. The new plan seemed very popular and it was generally agreed that the children enjoyed the various programs prepared for their enjoyment.

### MONDAY, DECEMBER 28TH, 1931—*Carmine Street Gymnasium*

Greetings.....	Children of Carmine Street Gym
Dance Robots.....	Carmansville and Watergate Park Playgrounds
Carols .....	Hamilton Place
Dance—French Doll.....	Carl Schurz
Song—Dance .....	Chelsea
Toe Dance .....	Carl Schurz
Irish Dance .....	Downing Street
Play, "Captured Year".....	Carl Schurz and E. 54th St. Gym
Song and Dance.....	Battery
Tap Dance .....	East 17th Street
"Garden of Loving Givers".....	Carmine St. Gym

### TUESDAY, DECEMBER 29TH, 1931—*134th Street Gymnasium*

Songs .....	East 134th St. Gym
Folk Dance.....	Utopia House Girls and E. 134th St. Gym
Tap Dance.....	Mt. Morris Park Playground
Play, "Takhammer" .....	Colonial Park Playground
Song and Dance.....	St. Nicholas Park Playground
Recitation .....	Children's Aid Society
Songs .....	Girls' Glee Club
Vaudeville Sketch.....	St. Nicholas Playground
Song .....	Mt. Morris Playground
Drill .....	St. Nicholas Playground

### TUESDAY, DECEMBER 29TH, 1931—*West 59th Street Playground and Gymnasium*

Christmas Carols .....	By all
Play, "Pussy Cat" .....	
Polka .....	Heckscher Playground
Irish Jig .....	De Witt Clinton
Dutch Dance .....	West 59th Street

WEDNESDAY, DECEMBER 30TH, 1931—*Rutger Place Gymnasium*

Opening Greeting Song.....Seward  
 Christmas Verses.....Delancey St.  
 Dance—Petite Valse.....Hamilton Fish  
 Drill—Butterfly Drill.....Tompkins Square  
 Dance—Hungarian Folk.....Corlears Hook  
 Dance—Tap.....Coleman  
 Dance—Chinese Love Story.....Delancey St.  
 Strolling Players  
 Refreshments and General Dancing

THURSDAY, DECEMBER 31ST, 1931—*East 54th Street Gymnasium*

Dance.....Thomas Jefferson  
 Violin Solo.....John Jay  
 Song and Dance.....St. Catherine's  
 Toe Dance.....Yorkville  
 Sketch.....E. 54th St. Gym  
 Harmonica Solo.....John Jay  
 Dance—Solo.....E. 54th Street  
 Sketch.....E. 54th St. Gym  
 Play, "Captured Year".....Carl Schurz and E. 54th St. Gym

PERMITS ISSUED DURING YEAR—1931

Baseball—Saturdays, Sundays and Holidays.....	9,068
Baseball—weekdays.....	998
Football.....	110
Soccer.....	535
Tennis—\$2.00 (Adult).....	4,881
Tennis—\$1.00 (Junior).....	450
Sail Boat.....	122
May Parties and Picnics.....	75
Field Hockey.....	25
Athletic Meets (Field Days).....	100
Croquet.....	15
Airplane.....	25
Recreational.....	32
Miscellaneous.....	13
Horseshoe Pitching.....	10

EQUIPMENT ERECTED IN 1931

TOBOGGAN SLIDE

Heckscher Playground, Central Park

ROLLER COASTER

Heckscher Playground, Central Park

PORTABLE BLEACHERS

De Witt Clinton

BASKETBALL BACK BOARDS AND

GOALS ATTACHED TO FENCE

Hamilton Fish

Hudson

John Jay

Reservoir Oval

West 59th Street

WADING POOLS

De Witt Clinton

St. Gabriel's

West 59th Street

STRAIGHT SLIDES—Erected by Department

Mechanics

De Witt Clinton

Downing Street

Hamilton Place

Heckscher

JUNGLE-GYMS

Chelsea

Coleman



## SEE-SAW BOARDS

Battery  
Carmansville  
Downing Street  
Hamilton Place  
Highbridge—169th Street  
John Jay  
Morningside—123rd Street  
St. Nicholas

## HANDBALL COURTS

Coleman  
Hamilton Place  
Heckscher  
Hudson  
John Jay  
West 59th Street

## PITCHING BOXES

Heckscher  
Hudson

## HORIZONTAL BAR OUTFITS

De Witt Clinton  
Hamilton Fish  
Hudson  
John Jay

## TENNIS NETS

Central Park

## STEEL LOCKERS

Double—Central Park  
Cherry and Oliver St. Gym  
Office  
Single—Chelsea  
Cherry and Oliver St. Gym

## BASKETBALL GOALS

Chelsea  
Hamilton Fish  
Heckscher  
St. Nicholas  
Seward

PARK PLAYGROUNDS, GYMNASIUMS AND RECREATION PIERS.  
LOCATIONS—AREAS AND ATTENDANCE DURING JANUARY, JULY  
AND AUGUST, 1931

<i>Playgrounds</i>	<i>Acreage</i>	<i>Jan.</i>	<i>July</i>	<i>August</i>
Battery—State St. and Battery Pl.....	0.850	.....	14,150	10,450
*Carl Schurz—86th St. and East River.....	0.250	3,200	13,150	11,150
*Carmansville—151st St. and Amsterdam.....	0.142	10,550	26,500	39,150
*Chelsea—28th St. and 9th Ave.....	3.103	16,950	63,775	26,950
Central Park 93rd St.....	.024	.....	2,000	6,650
*Coleman—Cherry and Market Sts.....	0.392	7,475	17,300	14,525
*Colonial—150th St. and Bradhurst Ave.....	1.11	3,770	11,485	8,625
*Columbus—Baxter and Worth Sts.....	2.568	9,675	32,115	24,475
*Corlears Hook—At Jackson St.....	0.500	5,200	113,325	14,875
Delancey and Eldridge St.....	0.07	.....	16,450	9,535
*De Witt Clinton—54th St. and 11th Ave.....	8.455	6,075	52,875	28,400
*Downing Street—near Bleecker St.....	0.173	4,590	26,075	11,875
*Hamilton Fish—Houston and Pitt Sts.....	3.160	5,800	83,250	61,950
*Hamilton Place—140th St. and Hamilton Pl.....	0.811	6,730	34,300	19,525
*Heckscher—64th St.—Central Park.....	7.00	113,575	673,175	334,100
Highbridge—169th St. and Amsterdam Ave.....	1.00	.....	17,525	21,200
Highbridge—177th St. and Amsterdam Ave.....	.500	.....	9,050	5,375
*Highbridge—189th St. and Amsterdam Ave.....	.25	.....	8,580	7,750
*Hudson—Clarkson and Hudson Sts.....	1.665	46,500	24,525	17,315
Inwood—207th St. ....	2.00	.....	.....	.....
Isham—Seaman Ave. and Isham St.....	.333	.....	9,615	6,625
Jay Hood Wright—173rd St. and Ft. Washing- ton Ave. ....	.600	.....	15,515	9,480
*Jasper Oval—137th St. and Convent Ave.....	4.379	.....	39,050	18,850
*John Jay Murphy—E. 17th St.....	1.037	3,085	12,900	5,275
*John Jay—77th St. and East River.....	3.009	10,550	22,280	16,440
Market and Henry Sts.....	0.122	.....	3,370	2,750
Morningside—114th St. ....	0.250	.....	14,190	9,460
*Morningside—123rd St.....	0.250	.....	21,710	10,200
*Mt. Morris—120th St. and Madison Ave.....	1.10	2,085	128,100	32,000

\* Designates centers open the year round.

<i>Playgrounds</i>	<i>Acreage</i>	<i>Jan.</i>	<i>July</i>	<i>August</i>
North Meadow—100th St.—Central Park.....	.....	.....	.....	.....
Payson Avenue and Dyckman Street.....	.60	.....	4,945	4,145
Queensboro—Foot of East 59th St.....	1.239	.....	34,100	14,000
Reservoir—175th St. and Amsterdam Ave.....	.850	25,820	21,465	16,365
Riverside—75th St. and North River.....	.20	.....	9,180	11,180
*Riverside—96th St. and North River.....	1.00	.....	24,050	12,450
Rutger Place and South Street.....	0.453	.....	12,260	1,685
*St. Catherine's—67th St. and 1st Ave.....	0.142	15,100	37,285	26,755
*St. Gabriel's—35th St. and 2nd Ave.....	2.294	11,460	24,225	17,525
*St. Nicholas—140th St. and St. Nicholas.....	.250	3,810	25,495	10,350
*St. Nicholas Terrace—128th St.....	0.46	(under development)		
*Seward—Canal and Jefferson Sts.....	3.301	6,085	153,650	31,225
*Thomas Jefferson—114th St. and East River.....	4.120	9,915	40,120	79,525
*Tompkins Square—10th St. and Ave. "A".....	1.250	54,850	133,925	55,340
*Watergate—134th St. and Amsterdam Ave.....	1.670	3,450	49,200	31,800
*West 59th Street near 11th Avenue.....	0.579	2,355	20,340	17,540
*Yorkville—101st St. near 2nd Ave.....	0.846	11,425	330,205	16,180
Cherry Hill—72nd St. Central Park.....	3.00	.....	6,000	2,000
(May Parties and Special Activities)				
East Green—72nd St. off 5th Ave.....	5.23	.....	12,450	5,000
Sheep Meadow—66th St. off West Drive.....	21.108	.....	16,670	11,000
Gilhooley Lawn—83rd St. off West Drive.....	3.30	.....	1,000	760
Circle Lawn—106th St.....	1.02	.....	700	450
North Meadow—100th St. & West Drive.....	30.459	.....	13,915	5,000
<i>Piers</i>				
Barrow Street—East River.....	.....	.....	3,440	2,065
East 3rd Street—East River.....	.....	.....	48,400	41,930
Market Street—East River.....	.....	.....	65,655	62,840
West 129th Street.....	.....	.....	9,030	6,750
<i>Tennis Courts</i>				
93rd Street—Central Park.....	.....	.....	17,200	15,750
173rd Street and Ft. Washington Park.....	.....	.....	11,185	8,030
<i>Gymnasiums</i>				
*Carmine Street.....	.....	4,140	5,800	2,790
*Cherry and Oliver Streets.....	.....	3,185	3,205	1,880
*East 54th Street.....	.....	5,925	8,475	4,705
*Hamilton Fish.....	.....	11,740	.....	.....
*Rutger Place.....	.....	6,380	3,510	3,750
*West 28th Street.....	.....	6,740	2,785	1,615
*West 134th Street.....	.....	4,295	8,855	2,525
*West 59th Street.....	.....	1,075	.....	.....
*John Jay.....	.....	3,745	.....	.....
<i>Wading Pools</i>				
West 59th Street.....	.....	.....	72,000	55,000
Heckscher.....	.....	.....	84,100	102,350
Hamilton Fish.....	.....	.....	123,000	156,000
Tompkins Square.....	.....	.....	182,300	68,575
De Witt Clinton.....	.....	.....	23,900	10,275
Coleman.....	.....	.....	28,000	13,485
St. Gabriel's.....	.....	.....	25,400	3,750
Washington Square.....	.....	.....	8,800	1,625
Total.....	131.326	447,305	3,123,555	1,724,760

Approximate playground area—Borough of Manhattan—131.326 acres.

\* Designates centers open the year round.

## ADMINISTRATION

### SUPERVISOR OF RECREATION

1

ASSISTANT SUPERVISOR—Male

1

ASSISTANT SUPERVISOR—Female

1

FIELD STAFF—Male

3

FIELD STAFF—Female

2

PLAYGROUND DIRECTOR—Male

30

PLAYGROUND DIRECTOR—Female

33

Temporary—Summer Season  
PLAYGROUND DIRECTORS—Male

61

Temporary—Summer Season  
PLAYGROUND DIRECTOR—Female

71

## FINANCIAL STATEMENT

Salaries—Permanent Force .....	\$111,920.00
Salaries—Temporary Force .....	39,700.00
Recreational Equipment .....	7,600.00
Recreational Supplies .....	700.00
Medical and Surgical Supplies.....	125.00
Total appropriation .....	\$160,045.00

## BUREAU OF CHILDREN'S SCHOOL FARMS

### FOREWORD

It is quite probable that few readers of this report realize that the Department of Parks, Manhattan, numbers among its many public recreation facilities a Bureau of Children's Farm Gardens where children plant and harvest a list of crops embracing everything from soup greens to peanuts.

There are nine school farm gardens in the Borough of Manhattan. These are divided into plots 4'x8', one of which is allotted to each child. In the Spring the children start planting and continue throughout the Summer. The largest garden is at Thomas Jefferson Park, comprising approximately two acres; the smallest one is in Chelsea Park and is a trifle larger than a city plot. Five gardens are on the east side and four on the west side of the city.

Off-hand it would seem an impossible task to train children, whose conception of where vegetables come from is the corner grocery store or vegetable stand, to prepare the ground and plant seeds for a successful garden within a few days of a garden opening.

All the garden work is done by the children themselves. This includes the preparation of the soil in the Spring, spading, raking, planting and cultivating until the harvest in the Fall.

Many practical lessons are taught in addition to the study of plants and insects. A lesson in responsibility is taught. When a child applies for a garden plot a tag is given corresponding in its number to a number on a garden and if this tag is lost the plot is lost.

Lessons in health are demonstrated by covering plants for a few days to keep off the sun and air. The children's attention is then drawn to the yellow, wilted and sick condition of the covered plants, and the fact is impressed upon them that similar ill health will follow if air and sunshine are withheld from human beings.

The children are taught how to experiment with flies and mosquitoes, the conditions under which they thrive, the dangers incurred and the proper way to combat these enemies. In one of our gardens 57 distinct species of insects were caught by the children during the season of 1931. The insect friends and enemies of the farmer are shown in mounted specimens, together with the means and methods employed for their control.

Carefulness is taught by the orderly manner in which the tools are kept in the little tool houses attached to each garden. They are cleaned after each day's use and oiled and repaired during the winter months.

In addition to the vegetables and flowers grown in the children's plots, a great number of economic plants are grown for observation and study. These include cotton, peanuts, hemp, wheat, rye, sweet potatoes, flax, broom corn, etc. On these plots, the seed, the growing plant and the finished product of each specimen are shown.

These practical lessons are of immeasurable value to growing children in addition to a source of interest to the entire neighborhood. Who would not be interested in a plot of broom corn which shows the seed that is used in medicine, the growing plant with its broom tops, the finished broom made from these tops and the fact that Levi Dickerson made the first corn broom in Hadley, Conn., in 1788?

In conclusion it is but fitting to mention the harvest at the various school farms. Harvest time sends a thrill through the little hearts and the neighborhood as well. Here again, a little of life is experienced for "as ye sow, so shall ye reap."

The diligent little farmers need help from the family to carry home the crop raised on their little farms. We have estimated that the return for a

well cultivated plot at the prevailing market prices would be a little over \$2.50. So, the little farmers are in this small way helping to supplement the depleted incomes of their families in these times of unemployment.

A festival is held in conjunction with the harvest. The children donate corn and pop corn from their plots which is cooked and eaten in the open, the gardens are decorated with corn stalks and flags, improvised benches and tables are set up, poems and songs relative to gardens and flowers are rendered, and in an old-fashioned way a time long to be remembered is had by all.

To those who live, or who have lived, in the suburbs, or country, a garden of growing things in the midst of a great city would perhaps be only a matter of passing interest, but to the children of the congested areas of our city the neighborhood farm garden in most cases is their only chance to plant a seed or grow a flower, or even to observe the wonderful workings of nature which, when properly interpreted, would read like a fairy tale.

#### 1931 REPORT OF THE BUREAU OF CHILDREN'S SCHOOL FARMS

<i>Name of Garden</i>	<i>Established</i>	<i>Area</i>	<i>Location</i>
DeWitt Clinton .....	1902	$\frac{3}{4}$ acre	52nd-54th Sts. and 12th Ave.
Corlears Hook .....	1913	$\frac{3}{4}$ acre	Jackson and Cherry Sts.
Thomas Jefferson .....	1911	2 acres	111-114th Sts., East River
Seward Park .....	1927	$\frac{1}{8}$ acre	Canal and Jefferson Sts.
Chelsea Park .....	1928	$\frac{1}{16}$ acre	28th St. and 9th Ave.
Tompkins Square Park.....	1929	$\frac{1}{10}$ acre	East 8th St. and Ave. A
St. Gabriel's Park.....	1931		1st Ave., Bet. 35th-36th Sts.
Rock Garden, DeWitt Clinton	1931		52nd St. and 12th Ave.
St. Nicholas Park.....	1931		128th St. & St. Nicholas Ave.

TOTAL ATTENDANCE OF CHILDREN, JANUARY 1 TO DECEMBER 31, 1931 181,272

COST OF MAINTENANCE OF THE BUREAU OF SCHOOL FARMS..... \$15,340

#### NUMBER OF EMPLOYEES

- 1 Head Attendant in Charge of Bureau.
- 5 Per Annum Attendants, one in charge of each garden.
- 10 Temporary Attendants for six months period.

#### Crops produced during 1931.

Radishes .....	28,000 Bunches	Corn .....	5,000 Ears
Celery .....	3,000 Stalks	Swiss Chard .....	12,600 Stalks
Onions .....	5,000 Bunches	Beans .....	220 Quarts
Lettuce .....	19,000 Heads	Beets .....	17,000 Bunches
Carrots .....	25,000 Bunches		

#### Additional Garden during 1931.

A new garden was opened in St. Gabriel's Park on July 20th, 1931, and was used by over 5,000 children during the summer. The crops were very

good considering that the site of the garden was formerly covered with broken concrete and stone, which was partly removed and soil added.

St. Gabriel's Park, within the shadow of the Empire State Building, offers a very pleasing contrast to that modern, very busy hive of industry, as it presents to the passing motorists and pedestrians on First Avenue and East 35th Street, a Department of Parks Children's Garden, with its trees, shrubs, flowers and vegetables planted and cared for by children of the neighborhood. It suggests peace and rest within its green borders as the quaint little Colonial House (used as an office and tool room) peacefully nestling within its shrubs, recalls the quotation "Let me live in a house by the roadside where humanity passes by."

#### DETAILED REPORT OF THOMAS JEFFERSON SCHOOL FARM

Total Plot Attendance of all classes for 1931.....		60,207
Neighborhood Children .....	19,317	
Open Air .....	8,077	
Kindergarten .....	2,191	
Ungraded .....	2,207	
P. S. 102.....	5,689	
P. S. 78.....	10,288	
P. S. 57.....	5,335	
Nature Study .....	4,351	
Pier Classes .....	1,963	
Federation Classes .....	400	
Observation Classes .....	449	
Individual Gardens .....	1,000 Plots (4x8')	
Open Air Classes (2).....	75 Children	

The School Farm at Thomas Jefferson Park is located at Pleasant Avenue and East 111th Street adjoining the River, with a view of Ward's Island and the bridge. It covers an area of more than two acres, with flower beds, a small cottage, tool house and barn. In addition, there is a long building with many windows. This building is used throughout the entire year by the Board of Education for Open Air Classes. Two classes of anaemic children, with teachers detailed, occupy this building. All nature study and physical training periods are taken in the garden, and the improvement both physically and mentally, has been marked under this helpful, open-air environment with a garden, practically as a class room.

This garden has more than 1,000 individual plots 4 x 8 feet. The children attending it are mostly of Italian extraction. It was planted for its spring crop the first week of May and the second or main planting was completed June 25. The crops from both plantings were abundant, as the following enumeration will show. The entire garden was fertilized during the fall with 17 truck loads of manure.

## IMPROVEMENTS AND REPAIRS DURING 1931 AT

### THOMAS JEFFERSON SCHOOL FARM

On November 11, 1931, men assigned to this department by the Emergency Work Commission started work in the garden and continue there until March 31st, 1932. More than a mile of hedge in and around the garden was cut down from a height of five feet to eighteen inches in order to procure a new and sturdier growth. All paths and roadways around the garden were rebound with bindings and some new paths and roadways added. This work was very satisfactorily completed, considering that these men had no previous experience and were unaccustomed to laborious work.

Tinsmith roofed tool house and barn.

Carpenter repair roof of tool house and barn.

Cottage was painted inside.

### EXHIBITIONS

The Bureau of Children's Gardens exhibited its model—"Children's Attitude Towards Public Parks"—at the dinner of the Recreation Conference of the City of New York; at the Children's Science Fair, where it was awarded first prize, and also at New York's First Building Management, Maintenance and Operation Merchandise Exposition by the Real Estate Board of New York. This model shows two sides of a public park and the attitude of the children toward it. One side vividly portrays the breaking of branches and shrubs, the ruining of flower beds, overturning of benches and other forms of mischief.

The sequel, immediately joining, shows another group conducting themselves in a proper manner and still getting their share of enjoyment out of it. This model is constantly exhibited before large groups of children for its propaganda effect. Annually, over 100,000 view it at the various exhibits and it is hoped the object lesson it portrays as to "proper" and "improper" behavior of children in public parks will have a lasting effect.

This bureau, with its four exhibits, won four prizes at the Fourth Children's Science Fair, which was held in the Museum of Natural History December 3rd to December 9th, 1931.

Class IV	0	Value and Care of Our Parks and Roadsides.....	First Prize
Class II	0	Value and Protection of Trees and Flowers.....	Second Prize
Class VI	0	Conditions Necessary for Plant Growth.....	Second Prize
Class VII	0	Industry, Mining and Farming.....	Second Prize

### VEGETABLES PRODUCED FROM 900 CHILDREN'S PLOTS

Radishes .....	13,900 Bunches
Beets .....	9,100 Bunches
Swiss Chard .....	6,150 Plants
Corn .....	500 Ears
Lettuce .....	8,500 Heads
Carrots .....	12,000 Bunches
Onions .....	2,500 Onions
Celery .....	1,250 Stalks
Beans .....	110 Quarts
Alfalfa .....	2 Pounds

### CROPS PRODUCED FROM 57 OBSERVATION PLOTS

Celery .....	90 Stalks
Parsley .....	60 Bunches
Kale .....	90 Plants
Squash .....	4 Plants
Cabbage .....	30 Heads
Broom Corn .....	48 Plants
Kaffir Corn .....	96 Plants
Sorghum .....	72 Plants
Flax .....	120 Plants
Peanuts .....	20 Plants
Cotton .....	160 Plants
Tobacco .....	32 Plants
Indian Corn .....	80 Plants
Vetch .....	4 Pounds
Alfalfa .....	18 Pounds
Wheat .....	1 Pound
Rye .....	1 Pound
Barley .....	2 Pounds
Millet .....	1 Pound
Okra .....	1 Quart
Pumpkins .....	9
New England Spinach .....	30 Quarts
Castor Oil .....	15 Plants
Parsnips .....	30 Plants
Sugar Beets .....	30 Plants
Egg Plants .....	30 Plants
Peppers .....	30 Plants
Sweet Potatoes .....	3 Quarts

### VISITORS

The Columbia University in its itinerary, suggested a visit to Thomas Jefferson School Farm and a delegation of students availed themselves of the offer.



## DETAILED REPORT OF DEWITT CLINTON SCHOOL FARM

Total Plot Attendance of all classes for 1931.....		68,240
Neighborhood Children .....	19,585	
Kindergarten .....	12,247	
Public School No. 51.....	10,760	
Public School No. 58.....	4,970	
Public School No. 141.....	3,790	
Industrial School 2 .....	4,455	
St. Ambrose School .....	1,763	
Sacred Heart .....	640	
Ethical Culture .....	1,235	
Visiting Nature Study Classes.....	8,795	
Individual Gardens .....	412 Plots (4x8')	

DeWitt Clinton School Farm is located in DeWitt Clinton Park, 52nd Street and 12th Avenue. This garden covers an area of about  $\frac{3}{4}$  of an acre. It was opened in 1902 and was the nucleus from which the other gardens branched. The children attending this garden are mostly of Irish, Polish and Swedish extraction with a strong influx of colored children. There are 412 individual gardens 4 x 8 feet which are planted for the spring crops the first week in May. The seeds for the fall crop were in the ground by the end of June. This garden was not fertilized during the fall of 1931 owing to its probable abandonment due to the encroachments of the express highway.

### VEGETABLES PRODUCED FROM 412 CHILDREN'S PLOTS

Radishes .....	8,245 Bunches
Beets .....	3,275 Bunches
Swiss Chard .....	3,440 Stalks
Corn .....	975 Ears
Lettuce .....	2,500 Heads
Carrots .....	7,770 Bunches
Onions .....	1,400 Bunches
Celery .....	560 Stalks
Beans .....	42 Quarts

### CROPS PRODUCED FROM 55 OBSERVATION PLOTS

Indian Corn .....	48 Ears
Broom Corn .....	38 Stalks
Kaffir Corn .....	36 Stalks
Sorghum Corn .....	36 Stalks
Millet .....	4 Pounds
Buckwheat .....	5 Pounds
Vetch .....	5 Pounds
Parsley .....	110 Plants
Cotton .....	8 Plants
Rhubarb .....	25 Bunches
Squash .....	11
Tobacco .....	15 Plants
Horse Radish .....	8 Plants
Pumpkin .....	12
New Zealand Spinach .....	6 Bunches
Cabbage .....	48 Heads
Castor Oil .....	13 Plants

Alfalfa .....	7 Pounds
Wheat .....	5 Pounds
Oats .....	3 Pounds
Barley .....	4 Pounds
Kale .....	25 Plants
Sugar Beets .....	50 Plants
Okra .....	1 Quart
Peanuts .....	25 Plants
Celery .....	80 Plants
Sweet Potatoes .....	3 Plants
Tomatoes .....	15 Plants
Flax .....	¾ Pound

#### DEWITT CLINTON PARK ROCK GARDEN

Around the TABLET, commemorating the establishment of the first School Farm in 1902, is a Rock Garden, which proved of great interest to the children, with its trees, flowers, vines and shrubs.

#### ST. NICHOLAS PARK SCHOOL FARM

Upon completion of a new playfield in St. Nicholas Park, an adjoining area was prepared for a School Farm which will be opened in April, 1932.

#### DETAILED REPORT OF CORLEARS HOOK SCHOOL FARM

Total Plot Attendance of all classes for 1931.....	55,475
Neighborhood Children .....	14,495
Nature Study Children .....	10,865
P. S. No. 12 .....	4,600
P. S. No. 147 .....	4,356
P. S. No. 110 .....	9,800
P. S. No. 31 .....	4,659
P. S. No. 34 .....	3,500
Settlement House .....	3,200
Individual Gardens .....	389 Plots (4x8')

Corlears Hook School Farm is located at Jackson and Cherry Streets. This garden covers an area of  $\frac{3}{4}$  of an acre and was established in 1913. The children attending this garden are of Jewish and Irish extraction.

This garden has two Open-Air Classes throughout the year.

#### VEGETABLES PRODUCED FROM 300 CHILDREN'S PLOTS

Radishes .....	4,800 Bunches
Beets .....	2,930 Bunches
Swiss Chard .....	2,175 Stalks
Corn .....	835 Ears
Lettuce .....	3,265 Heads
Carrots .....	4,265 Bunches
Onions .....	890 Bunches
Celery .....	505 Stalks
Beans .....	35 Quarts

### CROPS PRODUCED FROM 27 OBSERVATION PLOTS

Celery .....	30 Stalks
Parsley .....	30 Bunches
Kale .....	30 Plants
Broom Corn .....	19 Plants
Kaffir Corn .....	24 Plants
Sorghum Corn .....	24 Plants
Squash .....	4 Heads
Cabbage .....	10 Heads
Flax .....	½ Pound
Peanuts .....	10 Plants
Cotton .....	8 Plants
Tobacco .....	10 Plants
Indian Corn .....	50 Ears
Vetch .....	1 Pound
Alfalfa .....	2 Pounds
Wheat .....	3 Pounds
Rye .....	1 Pound
Barley .....	1 Pound
Millet .....	½ Pound
Okra .....	½ Quart
Pumpkin .....	8 Plants
Castor Oil .....	5 Plants

### DETAILED REPORT OF SEWARD PARK SCHOOL FARM

Total Plot Attendance of all classes for 1931.....	4,000
Individual Gardens .....	100

Seward Park Garden is located at East Broadway and Canal Street. This School Farm was established in 1927, covering an area of ⅛ acre. This area was divided into 90 individual garden plots and ten observation plots. The children attending the garden are all of Jewish extraction. It is extensively used by the Garden Club of the Hebrew Educational Alliance.

### VEGETABLES PRODUCED FROM 90 CHILDREN'S PLOTS

Radishes .....	1,605 Bunches
Beets .....	935 Bunches
Swiss Chard .....	635 Stalks
Corn .....	275 Ears
Lettuce .....	995 Heads
Carrots .....	1,350 Bunches
Onions .....	270 Bunches
Celery .....	150 Stalks
Beans .....	10 Quarts

THE OBSERVATION PLOTS are similar to those of the large gardens only smaller, owing to the limited area.

### DETAILED REPORT OF CHELSEA PARK SCHOOL FARM

Total Plot Attendance of all classes for 1931.....	1,530
Individual Gardens .....	43
Neighborhood .....	210
Kindergarten .....	300
Public School No. 33.....	410
Hudson Guild Settlement .....	345
Visiting Nature Study Classes.....	365

CHELSEA GARDEN is located at 28th Street and 9th Avenue, covering an area of about 30 feet by 150 feet. The garden was established in 1928 by request of the Hudson Guild. This is the smallest garden and has about 43 individual plots. It has no building or tool house, adjoining Park House being used. This garden only requires the part time services of one attendant, three times a week.

A large flower bed has been installed and plots arranged so as to fit into the general park scheme. New borders were placed around the garden.

#### VEGETABLES PRODUCED FROM 43 CHILDREN'S PLOTS

Radishes .....	340 Bunches
Beets .....	120 Bunches
Swiss Chard .....	400 Plants
Corn .....	110 Ears
Carrots .....	80 Bunches
Onions .....	65 Bunches
Beans .....	5 Quarts

#### CROPS PRODUCED FROM 13 OBSERVATION PLOTS

Sugar Beets .....	7 Plants
Castor Oil .....	8 Plants
Peanuts .....	3 Plants
Tobacco .....	3 Plants
Rhubarb .....	3 Bunches
Parsley .....	20 Plants
Indian Corn .....	14 Ears
Broom Corn .....	4 Stalks
Kaffir Corn .....	5 Stalks
Sorghum .....	4 Stalks
Wheat .....	$\frac{1}{3}$ Pound
Flax .....	$\frac{1}{3}$ Pound
New Zealand Spinach .....	5 Pounds

#### DETAILED REPORT OF TOMPKINS SQUARE SCHOOL FARM

Total Plot Attendance of all classes for 1931.....		13,312
Neighborhood .....	8,265	
Kindergarten .....	2,740	
P. S. 61 Grade .....	349	
P. S. 61 Ungraded .....	868	
P. S. 71 Grade .....	988	
P. S. 71 Ungraded .....	102	

Tompkins Square Park is located at Avenue A and East 8th Street.

A NEW SCHOOL FARM at Tompkins Square Park, comprising an area of 30 feet by 100 feet, was started April 29, 1930 and has enjoyed its second year of activity from April 25, 1931 to the harvest time in October.

There are 100 individual plots measuring 4 feet by 4 feet. Owing to the small area of this garden and the large number of children applying for planting space many small plots were used for groups of as many as 20 children. To give a personal interest to this form of intensive gardening, each child was allowed to plant two or three seeds of radishes and at the harvest time the crop was divided in a pro rata share. This method, in a way, was successful in handling the large group of applicants.

This garden requires the services of one attendant after the preliminary work was completed and had an attendance of 13,312.

#### VEGETABLES PRODUCED FROM 100 CHILDREN'S PLOTS, TOMPKINS SQUARE SCHOOL FARM

Radishes .....	1,680 Bunches
Beets .....	955 Bunches
Swiss Chard .....	710 Stalks
Corn .....	280 Ears
Carrots .....	1,400 Bunches
Onions .....	300 Bunches
Beans .....	12 Quarts

CROPS GROWN IN THE OBSERVATION PLOTS were Tobacco, Peanuts, Flax, Alfalfa, Buckwheat, Cotton, Broom Corn, Pop Corn, Sorghum Corn, Leek, Okra, Rye, Spring Wheat, Dill, Thyme.

THE CHILDREN'S SCHOOL FARMS IN MANHATTAN closed their 30th successful year on December 31st, 1931.

#### DEPARTMENT OF PARKS

##### BOROUGH OF MANHATTAN

<i>Improved Parks</i>	<i>Area in Acres</i>
Abingdon Square, 8th Avenue and Hudson Street.....	0.222
Ahearn Park, Grand Street and East Broadway.....	0.096
Allen Street Park, E. Houston Street to Delancey Street.....	1.140
Battery Park, foot of Broadway.....	19.261
Beach Street Park, Beach Street and West Broadway.....	0.040
Bowling Green, Broadway and Whitehall Street.....	0.526
Bryant Park, 6th Avenue and 42nd Street.....	4.631
Central Park, 5th to 8th Avenue, 59th to 110th Street.....	840.010
Chelsea Park, 27th to 28th Street, 9th to 10th Avenue.....	3.103
Christopher Street Park, Christopher and West 4th Streets.....	0.146
City Hall Park, Broadway and Chambers Street.....	8.550
Colonial Park, 145th to 155th Street, Bradhurst to Edgecombe Avenue.....	12.766
Columbus Park, Mulberry and Bayard Streets .....	2.568
Cooper Park, 3rd Avenue and 7th Street.....	0.225
Corlear's Hook Park, Corlear's and South Streets.....	7.458
Dante Park, Broadway and 63rd Street.....	0.142

<i>Improved Parks</i>	<i>Area in Acres</i>
Dewey Square, Triangle at 7th Avenue and 117th Street.....	0.074
DeWitt Clinton Park, 52nd to 54th Streets, North River.....	8.455
Donnellon Square, Triangle at St. Nicholas Avenue and 150th Street.....	0.038
Dorrence Brook Square, St. Nicholas Avenue and 137th Street.....	0.038
Duane Street Park, Duane and Hudson Streets.....	0.115
Dyckman House Park, Broadway and 204th Street.....	0.316
Greeley Square, 6th Avenue and 32nd Street.....	0.139
Hamilton Fish Park, Houston and Willett Streets.....	4.068
Hancock Square, St. Nicholas Avenue and 123rd Street.....	0.067
Harlem Lane Park, 7th Avenue and 153rd Street.....	1.245
Herald Square, 6th Avenue and 35th Street.....	0.042
Hudson Park, Hudson and Leroy Streets.....	1.665
Isham Park, Seaman Avenue, 214th Street and Broadway.....	8.796
Jackson Square, 8th Avenue and Horatio Street.....	0.226
John Jay Park, 76th to 78th Street, East River.....	3.009
Jeannette Park, Coenties Slip and South Street.....	0.709
Thomas Jefferson Park, 111th St., First Ave., 114th St. and Harlem River	15.534
Joan of Arc Park, Riverside Drive, 91st to 95th Street.....	1.578
Kuyter Park, South approach 3rd Avenue Bridge.....	0.298
Lincoln Square, Broadway and 66th Street.....	0.051
Madison Square, Broadway and 23rd Street.....	6.101
Manhattan Square, Central Park West, 77th Street to 81st Street.....	17.582
Mitchel Square, Broadway and 166th Street to 168th Street.....	0.319
Montefiori Park, Broadway and 138th Street.....	0.340
Morningside Park, 110th Street to 123rd Street, between Columbus and Amsterdam Avenues.....	30.495
Mount Morris Park, Mount Morris to Madison Avenue, 120th to 124th Streets	20.131
John J. Murphy Park, bounded by 17th and 18th Street, Avenue C and East River.....	1.037
Park Avenue Parks, Park Ave., 34th to 38th Streets and 50th to 96th Streets	8.861
Plaza Lafayette, Riverside Drive and West 181st Street.....	0.092
Riverside Park and Drive, North River, 72nd to 129th Street.....	134.791
Riverside Drive Extension, 135th to 158th Street.....	24.000
Roger Morris Park, Jumel Terrace, Edgecombe Road, 160th and 162nd Sts.	1.521
Rutgers Park, Rutgers Slip and South Street.....	0.453
Ryan Park, Second Avenue and 42nd Street.....	0.180
St. Gabriel's Park, 35th to 36th Streets, 1st to 2nd Avenues.....	2.924
St. Nicholas Park, 130th to 141st Streets, St. Nicholas Avenue to St. Nicholas Terrace.....	20.219
Schiff Parkway, center of Delancey Street from Bowery to Essex Street.....	0.716
Carl Schurz Park, 84th to 89th Streets, East River.....	10.341
William H. Seward Park, Canal and Jefferson Streets.....	3.301
Sherman Square, Broadway and 70th Street.....	0.001
Thomas F. Smith Park, West 23rd Street and 11th Avenue.....	1.849
Straus Park, Broadway and 106th Street.....	0.072
Stuyvesant Park, Rutherford Place and 16th Street.....	4.229
Tompkins Square, Avenue A and 7th Street.....	10.152
Union Square, Broadway and 14th Street.....	3.433
Verdi Square, Triangle at Broadway and 73rd Street.....	0.095
Washington Square, 5th Avenue and Waverly Place.....	8.626

#### *Improved and Unnamed Parks*

Triangle at Manhattan Avenue and 114th Street.....	0.018
Parks, centre of Broadway, 60th to 122nd Street.....	7.306
Parks, centre of Broadway, 135th to 168th Street, total.....	3.337
Parks, centre of 7th Avenue, 110th Street to Harlem River.....	1.679
Addition to Riverside Park, 122nd St., Riverside Drive to Claremont Avenue	2.043
Park Plots at County Court House, Centre, Worth and Pearl Streets.....	1.450

<i>Unimproved Parks</i>	<i>Area in Acres</i>
Fort Washington Park, Fort Washington Point, Hudson River.....	123.850
High Bridge Park, 156th Street to Dyckman Street, west of "the Harlem River Driveway," and from 155th to 159th Streets, east of "the Harlem River Driveway" (includes McNally Plaza, 181st Street and Washington Bridge) .....	103.026
St. Nicholas Park Extensions at 130th Street.....	2.590
Isham Park, 213th Street and Seaman Avenue to Harlem Ship Canal, West 214th Street .....	10.658
Park at Inwood Hill.....	166.000
J. Hood Wright Park, West 173rd Street, Haven Avenue and Fort Washington Avenue .....	6.600
Gorman Memorial Park, Broadway, 190th Street and Wadsworth Terrace.....	1.890

<i>Unimproved Unnamed Parks</i>	
Extension of Riverside Park, New York Central and Hudson River Railroad to the bulkhead line of Hudson River, 72nd to 129th Street.....	48.215
West of Harlem River Driveway and north of High Bridge Park.....	50.013
Extension to Corlear's Hook Park, an extension southerly to the pierhead line .....	2.343
Park, east of Riverside Drive, about 190th Street.....	3.567
Triangle, 143rd Street and Hamilton Place.....	0.001
Park, east of Riverside Drive, about 169th to 177th Street.....	1.494
Park at Fort Washington Avenue, West 183rd Street and Pinehurst Avenue .....	2.096

<i>Lands Acquired for Playgrounds</i>	
Playground, 59th to 60th Streets, west of Amsterdam Avenue.....	0.579
Coleman Square Playground, Nos. 180 to 184 Cherry Street.....	0.392
Yorkville Playground, south side 101st Street, between 2nd and 3rd Avenues .....	0.846
Carmansville Playground, 151st and 152nd Streets, east of Amsterdam Avenue .....	0.142
St. Catherine Park Playground, west of 1st Avenue, between 67th and 68th Streets .....	1.383
Jasper Oval Playground, St. Nicholas Terrace and 136th Street.....	4.379
Playground, Hamilton Place and 141st Street.....	0.811
Playground, Market and Henry Streets.....	0.122
Playground, Downing Street to Carmine Street, west of Bleecker Street.....	0.173
Playground, Thompson Street, between Spring and Prince Streets.....	0.165
Playground, Cherry, Gouverneur and Monroe Streets.....	0.680
Playground, Broome, Sheriff and Columbia Streets.....	0.916

<i>Lands of Other City Departments Used by the Department of Parks as Playgrounds</i>	
Queensboro Bridge Playground, west of Sutton Place, 59th to 60th Streets.....	1.239
Additional Land at Carmansville Playground, 152nd Street and Amsterdam Avenue .....	0.432
Annunciation Park, Amsterdam Avenue and 134th Street.....	1.670
Additional land at Manhattan Bridge, Cherry and Pike Streets.....	1.104

<i>Parkways, Streets, Avenues, Etc., Under the Jurisdiction of the Department of Parks</i>	<i>Length in Feet</i>	<i>Width in Feet</i>
Harlem River driveway.....	11,562	100 to 150
Morningside Drive .....	3,538	90
Riverside Drive .....	17,000	90 to 168
Riverside Drive Extension, 134th to 158th Street.....	6,800	

FINANCIAL STATEMENT  
COLLECTIONS FOR THE YEAR 1931

Privileges .....	\$77,719.21
Locker Permits (Tennis).....	1,158.00
Motion Picture Taking.....	251.00
Still Picture Taking.....	185.00
Damage to Departmental Property (Collections).....	550.85
Zoological Garden Fund.....	553.65
Interest on Bank Deposits.....	30.92
Temporary Roof or Sheds.....	16.00
Removal of wall, Riverside Park.....	225.00
Sale of Scrap Iron.....	33.10
Deposit of Fill.....	5,737.50
Inspection Fees .....	40.00
(Junior) Lawn Tennis Permits.....	465.00
(Senior) Lawn Tennis Permits.....	9,766.00
Deposits for tree planting.....	530.00
Deposits for street openings, etc.....	1,218.00
Total collections, year 1931.....	<u>\$98,479.23</u>
Amount remitted to Chamberlain, City of New York.....	<u>\$98,479.23</u>

DEPOSITS ON HAND

On account of Employees' Badges:			
On hand December 31, 1930.....	\$1,174.75		
Receipts .....	175.50	\$1,350.25	
Refunds .....		18.80	
On hand December 31, 1931.....			\$1,331.45
On account of Foremen's Badges:			
On hand December 31, 1930.....	47.75		
Receipts .....	5.00	52.75	
Refunds .....		1.25	
On hand December 31, 1931.....			51.50
On account of Attendant's Badges:			
On hand December 31, 1930.....	64.10		
On hand December 31, 1931.....			64.10
On account of License Tags:			
On hand December 31, 1930.....	290.00		
On hand December 31, 1931.....		290.00	
Total deposit in bank.....			<u>\$1,737.05</u>



# DEPARTMENT OF PARKS, MANHATTAN

Statement of the Condition at the Close of Business December 31, 1931, of All Appropriation Accounts for the Current Year.

Code No.	Personal Service Title of Account	Net Vouchers Registered, Based on Cancel- lations and Adjustments		
		Net Funds Available	Unex- pended Balances	
1135	Park Board, Salaries, Regular Em- ployees .....	\$69,379.52	\$69,379.52	.....
1150	Administration .....	98,065.48	97,638.43	427.05
1151	Parks and Boulevards .....	278,528.74	276,604.01	1,924.73
1152	Playgrounds and Children's School Farms .....	117,377.50	116,632.37	745.13
1153	Menagerie .....	20,280.00	20,280.00	.....
1154	Dyckman House and Jumel Mansion..	5,969.23	5,966.33	2.90
1155	Salaries Temporary Employees.....	15,125.00	15,038.30	86.70
1156	Wages, Regular Employees.....	3,832.50	3,832.50	.....
1157	Wages, Temporary Employees, Parks and Boulevards .....	1,230,044.10	1,215,990.51	14,053.59
1158	Maintenance of Riverside Drive, 158th to Dyckman Streets.....	18,425.00	16,550.62	1,874.38
1159	Playgrounds and Children's School Farms .....	44,900.00	44,788.00	112.00
1160	For Mechanics Work by Departmental Labor .....	233,388.25	227,683.43	5,704.82
Total .....		<u>\$2,135,315.32</u>	<u>\$2,110,384.02</u>	<u>\$24,931.30</u>

DEPARTMENT OF PARKS, MANHATTAN

STATEMENT OF THE CONDITION AT THE CLOSE OF BUSINESS DECEMBER 31, 1931, OF ALL APPROPRIATION ACCOUNTS FOR THE CURRENT YEAR

Code No.	Title of Account	Net Funds Available	Net Vouchers Registered, Based on Cancellations	Unexpended Balances	Net Reserve for Contracts	Net Reserve for Open Market Orders	Total Net Encumbrances i. e. Net Reserves	Unencumbered Balances
1136	Park Board Contingencies.....	\$1,175.00	\$489.52	\$685.48	.....	\$83.50	\$83.50	\$601.98
1165	Forage and Veterinary Supplies.....	30,000.00	19,478.13	10,521.87	\$2,690.71	1,203.58	3,894.29	6,626.58
1166	Fuel Supplies .....	19,000.00	14,772.48	4,227.52	3,449.93	71.40	3,521.33	706.19
1167	Office Supplies .....	2,500.00	2,159.91	340.09	.....	139.40	139.40	200.69
1168	Medical and Surgical Supplies.....	125.00	72.96	52.04	.....	51.75	51.75	.29
1169	Motor Vehicle Supplies .....	6,000.00	4,913.28	1,086.72	70.00	140.07	210.07	876.65
1170	Cleaning and Disinfecting Supplies.....	1,100.00	1,086.00	14.00	.....	.....	.....	14.00
1171	Recreational Supplies .....	700.00	456.33	243.67	.....	239.74	239.74	3.93
1172	Botanical and Agricultural Supplies.....	34,000.00	29,099.88	4,900.12	1,560.00	3,260.86	4,820.86	79.26
1173	General Plant Supplies .....	9,800.00	6,720.88	3,079.12	.....	1,236.07	1,236.07	1,843.05
1174	Office Equipment .....	1,675.00	1,547.66	127.34	.....	78.59	78.59	48.75
1175	Motor Vehicle Equipment .....	17,700.00	17,564.16	135.84	.....	99.30	99.30	36.54
1176	Recreational Equipment .....	7,600.00	4,749.84	2,850.16	2,130.60	699.16	2,829.76	20.40
1177	General Plant Equipment .....	18,000.00	16,695.10	1,304.90	.....	1,295.31	1,295.31	9.59
1178	Live Stock .....	600.00	550.00	50.00	.....	.....	.....	50.00
1179	General Plant Materials.....	41,500.00	34,941.23	6,558.77	330.87	3,856.44	4,187.31	2,371.46
1180	Repairs to Roadways and Pavements.....	22,000.00	13,152.92	8,847.08	7,900.00	.....	7,900.00	947.08
1181	Repairs to Walks .....	17,000.00	7,479.95	9,520.05	8,117.75	.....	8,117.75	1,402.30
1182	Other Repairs .....	54,300.00	19,372.45	34,927.55	16,257.90	3,128.99	19,386.89	15,540.66
1183	Motor Vehicle Repairs .....	700.00	530.49	169.51	.....	71.45	71.45	98.06
1184	Shoeing and Boarding Horses, Inc. Vet. Services.....	1,250.00	1,195.00	55.00	.....	126.00	126.00	.....
1185	Carfare .....	1,400.00	1,376.70	23.30	.....	.....	.....	23.30
1186	Telephone Service .....	3,800.00	2,642.34	1,157.66	1,153.23	.....	1,153.23	4.43
1187	General Plant Service .....	750.00	499.50	250.50	.....	126.50	126.50	124.00
1188	Music .....	36,768.00	36,231.00	537.00	.....	366.00	366.00	171.00
1189	Contingencies .....	200.00	174.57	25.43	.....	8.40	8.40	17.03
1189A	Museum of City of New York.....	40,000.00	29,486.07	10,513.93	.....	.....	.....	10,513.93
1150	Grant's Tomb .....	7,000.00	.....	7,000.00	.....	.....	.....	7,000.00
1355	New York Public Library.....	70,000.00	52,194.89	17,805.11	.....	.....	.....	17,805.11
1356	New York Public Library .....	28,500.00	20,325.94	8,174.06	.....	.....	.....	8,174.06
1360	Metropolitan Museum of Art .....	342,067.00	313,561.48	28,505.52	.....	.....	.....	8,505.52
1370	Metropolitan Museum of Art .....	20,000.00	15,309.64	4,690.36	.....	.....	.....	4,690.36
1372	Metropolitan Museum of Art .....	4,500.00	4,004.14	495.86	.....	.....	.....	495.86
1374	Metropolitan Museum of Art .....	2,500.00	1,354.20	1,145.80	.....	.....	.....	1,145.80
1376	Metropolitan Museum of Art .....	7,500.00	5,935.44	1,564.56	.....	.....	.....	1,564.56
1377	Metropolitan Museum of Art .....	13,500.00	10,649.10	2,850.90	.....	.....	.....	2,850.90

DEPARTMENT OF PARKS, MANHATTAN

STATEMENT OF THE CONDITION AT THE CLOSE OF BUSINESS DECEMBER 31, 1931, OF ALL APPROPRIATION ACCOUNTS FOR THE  
CURRENT YEAR—Continued

Code No.	Title of Account	Net Funds Available	Net Vouchers Registered, Based on Cancellations	Unexpended Balances	Net Reserve for Contracts	Net Reserve for Open Market Orders	Total Net Encum- brances i. e. Net Reserves	Unen- cumbered Balances
1378	Metropolitan Museum of Art.....	\$8,500.00	\$7,212.92	\$1,287.08	.....	.....	.....	\$1,287.08
1380	Metropolitan Museum of Art.....	1,500.00	1,298.72	201.28	.....	.....	.....	201.28
1381	Metropolitan Museum of Art.....	21,500.00	20,700.68	799.32	.....	.....	.....	799.32
1400	American Museum of Natural History.....	445,896.66	408,169.35	37,727.31	.....	.....	.....	37,727.31
1413	American Museum of Natural History.....	1,430.00	1,166.70	263.30	.....	.....	.....	263.30
1415	American Museum of Natural History.....	7,272.00	6,399.43	872.57	.....	.....	.....	872.57
1420	American Museum of Natural History.....	3,967.00	3,757.74	209.26	.....	.....	.....	209.26
1421	American Museum of Natural History.....	2,860.00	1,899.53	960.47	.....	.....	.....	960.47
1423	American Museum of Natural History.....	3,000.00	1,986.20	1,013.80	.....	.....	.....	1,013.80
1430	New York Aquarium.....	57,137.00	52,395.74	4,741.26	.....	.....	.....	4,741.26
1440	New York Aquarium.....	3,450.00	2,596.94	853.06	.....	.....	.....	853.06
1441	New York Aquarium.....	4,000.00	2,891.97	1,108.03	.....	.....	.....	1,108.03
1442	New York Aquarium.....	250.00	194.22	55.78	.....	.....	.....	55.78
1443	New York Aquarium.....	250.00	192.80	57.20	.....	.....	.....	57.20
1444	New York Aquarium.....	200.00	178.22	21.78	.....	.....	.....	21.78
1445	New York Aquarium.....	850.00	753.36	96.64	.....	.....	.....	96.64
1446	New York Aquarium.....	300.00	238.77	61.23	.....	.....	.....	61.23
1447	New York Aquarium.....	275.00	234.77	40.23	.....	.....	.....	40.23
1448	New York Aquarium.....	1,300.00	1,112.77	187.23	.....	.....	.....	187.23
1449	New York Aquarium.....	2,000.00	1,647.04	352.96	.....	.....	.....	352.96
1450	New York Aquarium.....	5,600.00	4,415.97	1,184.03	.....	.....	.....	1,184.03
1451	New York Aquarium.....	300.00	247.08	52.92	.....	.....	.....	52.92
1452	New York Aquarium.....	300.00	285.89	14.11	.....	.....	.....	14.11
1453	New York Aquarium.....	200.00	146.78	53.22	.....	.....	.....	53.22
	Total .....	\$1,437,547.66	\$1,210,896.77	\$226,650.89	\$43,660.99	\$16,282.51	\$59,943.50	\$146,777.39

DEPARTMENT OF PARKS, MANHATTAN

STATEMENT OF THE CONDITION OF CORPORATE STOCK, ASSESSMENT BOND, SPECIAL REVENUE BOND AND SPECIAL ACCOUNTS  
AS AT DECEMBER 31, 1931

Code No.	Other Than Personal Service Title of Fund or Account	Total Adjusted Credits	Net Vouchers Registered, Based on Cancellations and Adjustments	Adjusted Credits Unexpended	Net Reserve for Contracts	Net Reserve for Open Market & Miscel. Invoices	Net Reserve for Payrolls	Total Net Encum- brances i.e. Net Reserve	Unen- cumbered Balances
N. D. P.									
3-7	American Museum of Natural History.	\$9,945.00	\$6,449.92	\$3,449.92	\$3,449.92	\$950.00	.....	\$950.00	.....
3-8	American Museum of Natural History.	149,800.00	137,491.56	12,308.44	.....	201.71	.....	201.71	\$12,106.73
3-9	American Museum of Natural History.	7,177.61	6,514.61	663.00	.....	.....	\$663.00	663.00	.....
3-10	American Museum of Natural History.	5,611.75	6,593.79	.....	.....	.....	.....	.....	.....
3-11	American Museum of Natural History.	35,000.00	3,713.87	31,286.13	.....	.....	.....	.....	31,286.13
4-d	New York Aquarium.....	60,000.00	31,215.45	28,784.55	.....	.....	.....	.....	28,784.55
4-f	Battery, Construction of Permanent Roadway .....	25,000.00	470.00	24,530.00	21,907.00	.....	.....	21,907.00	2,623.00
75-h	Highbridge, Improvement of Playgrounds	8,000.00	3,764.12	4,235.88	3,769.75	.....	.....	3,769.75	466.13
75-j	Harlem River Driveway, General Im- provement .....	22,206.54	2,833.20	19,373.34	.....	.....	.....	.....	19,373.34
102-a	Improvement of Fort Washington, Is- ham, Inwood .....	99,302.77	97,615.57	1,687.30	1,687.30	.....	.....	1,687.30	.....
102-c	Fort Washington, Construction of Field House .....	25,000.00	1,870.00	23,130.00	.....	.....	.....	.....	23,130.00
102-d	Fort Washington, Topographical Survey	25,000.00	.....	25,000.00	.....	.....	.....	.....	25,000.00
105-a	Washington Square, General Improve- ment .....	50,000.00	11,990.11	38,009.89	.....	.....	.....	.....	38,009.89
107-a	Improvement of Broadway Plots....	122,000.00	116,535.52	5,464.48	.....	.....	.....	.....	5,464.48
108-b	Riverside Drive, Safeguarding Rock Cuts .....	77,000.00	5,660.37	71,339.63	31,840.00	.....	.....	31,840.00	39,499.63
109-a	Fencing and Improving Small Parks..	31,200.00	9,345.87	21,854.13	.....	.....	.....	.....	21,854.13
113-a	Rehabilitation of Central Park.....	1,417,037.33	1,210,820.20	206,217.13	3,039.20	2,936.24	.....	5,975.44	201,241.69
113-c	Merkel Contract .....	5,000.00	3,700.00	1,300.00	.....	.....	.....	1,300.00	.....
113-d	Central Park, Repaving Park Drives..	50,000.00	17,069.46	32,930.54	.....	.....	.....	.....	32,930.54
113-e	South Reservoir, Central Park.....	100,000.00	9,566.13	90,433.87	.....	.....	.....	.....	90,433.87
113-f	Central Park, Additional Greenhouses.	23,586.50	11,957.00	11,629.50	9,894.50	495.00	.....	10,389.50	1,240.00
113-g	Central Park, Construction of Concrete Curbing .....	5,000.00	3,573.53	1,426.47	.....	.....	.....	.....	1,426.47
113-h	Central Park, New Comfort Station, Dairy .....	10,000.00	.....	10,000.00	.....	.....	.....	.....	10,000.00
113-j	Central Park, Storage Buildings, 97th Street .....	50,000.00	.....	50,000.00	.....	.....	.....	.....	50,000.00
113-k	Central Park, New Lion House .....	100,000.00	1,620.00	98,380.00	.....	.....	.....	.....	98,380.00
113-l	Central Park, New Bridge No. 10....	14,000.00	.....	14,000.00	.....	.....	.....	.....	14,000.00
113-m	Central Park, Boat House, Conserva- tory Lake .....	18,000.00	125.50	17,874.50	.....	.....	.....	.....	17,874.50

DEPARTMENT OF PARKS, MANHATTAN

STATEMENT OF THE CONDITION OF CORPORATE STOCK, ASSESSMENT BOND, SPECIAL REVENUE BOND AND SPECIAL ACCOUNTS  
AS AT DECEMBER 31, 1931—Continued.

Code No.	Other Than Personal Service Title of Fund or Account	Total Adjusted Credits	Net Vouchers Registered, Based on Cancellations and Adjustments	Adjusted Credits Unexpended	Net Reserve for Contracts	Net Reserve for Open Market & Miscel. Invoices	Net Reserve for Payrolls	Total Net Encum- brances i.e. Net Reserve	Unen- cumbered Balances
N. D. P.									
114-a	New York Public Library.....	\$22,081.35	\$19,020.00	\$3,061.35	\$2,300.00	.....	.....	\$2,300.00	\$761.35
118	Colonial Park Comfort Station.....	9,950.00	8,360.47	1,589.47	1,509.53	\$80.00	.....	1,589.53	.....
121-a	Metropolitan Museum of Art.....	20,000.00	19,992.83	7.17	.....	7.17	.....	7.17	.....
121-a1	Metropolitan Museum of Art.....	70,000.00	46,525.10	23,474.90	.....	742.85	.....	742.85	22,732.05
121-b1	Metropolitan Museum of Art.....	58,000.00	52,293.82	5,706.18	.....	10.00	.....	10.00	5,696.18
123	Paving Walks, Small Parks.....	50,000.00	25,573.40	24,426.60	14,400.00	.....	.....	14,400.00	10,026.60
124	DeWitt Clinton, Construction of Per- gola.....	23,500.00	3,987.50	19,512.50	.....	.....	.....	.....	19,512.50
124-a	Wading Pools, Various Parks.....	50,000.00	27,386.19	22,613.81	.....	.....	.....	.....	22,613.81
125	Morningside, Rehabilitation.....	110,000.00	68,593.70	41,406.30	.....	.....	.....	.....	41,406.30
125-a	Morningside Field House.....	12,000.00	225.75	11,774.25	11,239.00	24.50	.....	11,263.50	510.75
126	Mount Morris, Construction of Play- ground.....	110,000.00	2,700.00	107,300.00	.....	.....	.....	.....	107,300.00
127	Madison Square, Rehabilitation.....	50,000.00	38,138.27	11,861.73	.....	.....	.....	.....	11,861.73
128	Union Square, Rehabilitation.....	125,000.00	74,775.93	50,224.07	44,114.97	.....	.....	44,114.97	6,109.10
129-a	St. Nicholas Terrace, Construction of Playground.....	40,000.00	26,961.76	13,038.24	2,789.83	.....	.....	2,789.83	10,248.41
129-b	St. Nicholas Playground, Small Field House.....	8,000.00	66.50	7,933.50	.....	.....	.....	.....	7,933.50
131	Union Square, Removal of Monuments.....	30,000.00	6,368.25	23,631.75	.....	.....	.....	.....	23,631.75
132	Jasper Oval, Construction of New Field House.....	45,500.00	7,459.03	38,040.97	.....	.....	.....	.....	38,040.97
134	Thomas Jefferson, Construction of New Field House.....	15,000.00	130.00	14,870.00	.....	.....	.....	.....	14,870.00
135	Hamilton Fish, Resurfacing Playground.....	3,280.00	630.00	2,650.00	2,650.00	.....	.....	2,650.00	.....
136	Tompkins, Resurfacing Playground.....	3,000.00	.....	3,000.00	.....	.....	.....	.....	3,000.00
136-a	Tompkins, Enlarging Boys' Playground.....	30,000.00	520.00	29,480.00	.....	.....	.....	.....	29,480.00
137	Stuyvesant Square, Lowering 2nd Ave. Sidewalks.....	5,000.00	4,999.05	.95	.....	.....	.....	.....	.95
138	Highbridge, Small Field House.....	8,000.00	3,894.75	4,105.25	4,105.25	.....	.....	4,105.25	.....
139	Ceward, General Improvement.....	25,000.00	.....	25,000.00	.....	.....	.....	.....	25,000.00
140	Watergate, General Improvement.....	21,500.00	60.25	20,439.75	.....	.....	.....	.....	20,439.75
141	Awings for Baby Swings.....	7,000.00	.....	7,000.00	.....	.....	.....	.....	7,000.00
142	Wading Pools, Various Playgrounds.....	16,000.00	341.58	15,658.42	2,363.00	.....	.....	2,363.00	13,295.42
143	Handball Courts, Various Playgrounds.....	3,000.00	2,913.70	86.30	.....	.....	.....	.....	86.30
145	Field House—Riverside Improvement..	6,748.00	6,548.00	200.00	.....	.....	.....	200.00	.....

DEPARTMENT OF PARKS, MANHATTAN

STATEMENT OF THE CONDITION OF CORPORATE STOCK, ASSESSMENT BOND, SPECIAL REVENUE BOND AND SPECIAL ACCOUNTS  
AS AT DECEMBER 31, 1931—Continued.

Code No.	Other Than Personal Service Title of Fund or Account	Total Adjusted Credits	Net Vouchers Registered, Based on Cancellations and Adjustments	Adjusted Credits Unexpended	Net Reserve for Contracts	Net Reserve for Open Market & Miscel. Invoices	Net Reserve for Payrolls	Total Net Encum- brances i.e. Net Reserve	Unen- cumbered Balances
N. D. P.									
145-a	Salaries, Wages .....	\$49,432.50	\$43,030.82	\$6,401.68	.....	.....	\$6,401.68	\$6,401.68	.....
146	Thompson Street Playground, Improve- ment .....	6,000.00	130.00	5,870.00	.....	.....	.....	.....	\$5,870.00
146-a	Cherry Street Playground.....	15,000.00	260.00	14,740.00	.....	.....	.....	.....	14,740.00
147	Structure No. 5, West Side Improve- ment .....	400,000.00	49,130.07	350,869.93	350,869.93	.....	.....	350,869.93	.....
C. D. P.									
3-5	American Museum of Natural History	150,000.00	106,528.11	43,471.89	21,295.02	.....	.....	21,295.02	21,176.87
121	Tennis House, General Construction..	63,913.00	63,413.40	500.00	500.00	.....	.....	500.00	.....
121-a	Tennis House, Equipment .....	20,891.43	20,456.43	435.00	.....	.....	.....	.....	435.00
122	American Museum of Natural History	1,385,500.00	397,884.19	987,615.81	367,615.81	.....	.....	367,208.30	620,407.51
122-a	American Museum of Natural History	114,500.00	31,590.10	82,909.90	130,923.90	.....	.....	.....	.....
123	American Museum of Natural History	18,500.00	.....	18,500.00	.....	.....	.....	.....	18,500.00
123-a	American Museum of Natural History	602,500.00	601,065.00	1,435.00	.....	.....	.....	.....	1,435.00
123-b	American Museum of Natural History	253,000.00	252,000.00	1,000.00	.....	.....	.....	.....	1,000.00
123-c	American Museum of Natural History	58,000.00	56,471.20	1,528.80	1,152.47	.....	.....	1,152.47	376.33
123-d	American Museum of Natural History	466,198.24	410,651.00	55,547.24	52,312.88	.....	.....	52,312.88	3,234.36
123-e	American Museum of Natural History	768,500.00	555,195.18	213,304.82	12,196.78	.....	.....	12,196.78	201,108.04
123-f	American Museum of Natural History	104,000.00	90,107.73	13,892.27	1,247.27	.....	.....	1,247.27	12,645.00
123-g	American Museum of Natural History	50,000.00	26,004.00	23,996.00	9,996.00	.....	.....	9,996.00	14,000.00
123-h	American Museum of Natural History	106,000.00	87,867.34	18,132.66	14,600.32	.....	.....	14,600.32	3,532.34
123-j	American Museum of Natural History	37,000.00	30,774.95	6,225.05	.....	.....	.....	.....	6,225.05
123-k	American Museum of Natural History	60,000.00	22,467.78	37,532.22	7,676.88	5,208.08	.....	12,884.96	24,647.26
123-l	American Museum of Natural History	125,000.00	.....	125,000.00	78,920.00	.....	.....	78,920.00	46,080.00
124	Metropolitan Museum of Art.....	57,000.00	54,382.83	2,617.17	1,000.00	217.00	.....	1,217.00	2,400.00
124-a	Metropolitan Museum of Art.....	18,000.00	10,570.70	7,429.30	.....	191.00	.....	191.00	7,238.30
125-a	Metropolitan Museum of Art.....	180,000.00	62,500.00	117,500.00	92,500.00	.....	.....	92,500.00	25,000.00
126	Metropolitan Museum of Art.....	6,000.00	.....	6,000.00	.....	.....	.....	6,000.00	.....
127	Metropolitan Museum of Art.....	29,100.00	26,408.91	2,691.09	333.74	.....	.....	333.74	2,357.35
127-b	Metropolitan Museum of Art.....	900.00	.....	900.00	.....	900.00	.....	900.00	.....
Total .....		\$8,667,362.52	\$5,147,851.35	\$3,519,448.05	\$1,309,792.74	\$11,963.55	\$7,064.68	\$1,195,947.15	\$2,237,664.44