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(3) TWENTY-FIFTH ANNUAL REPORT (2) (13)

(1) N. J. Newhall
Shade Tree Division 2

OF THE
Department of Parks and
Public Property
OF THE
FOR THE YEAR ENDING DECEMBER 31, 1928 (4)



CHARLES P. GILLEN, DIRECTOR
JOHN J. GILLEN, DEPUTY DIRECTOR

TWENTY-FIFTH ANNUAL REPORT
OF THE
SHADE TREE DIVISION

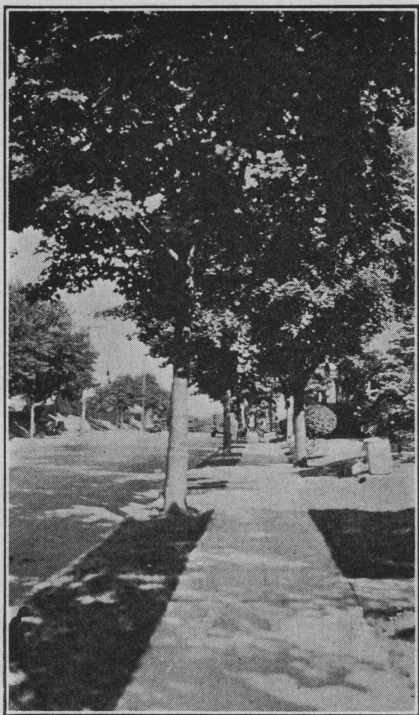
OF THE
Department of Parks and Public
Property

CITY OF NEWARK, N. J.

FOR THE YEAR ENDING DECEMBER 31, 1928



THE ESSEX PRESS, PRINTERS
NEWARK, N. J.



Lehigh Avenue—Double Row of Norways
Planted 1911—Photo 1929

*The leaves like fingers tremulous
To seize all coolness overhead
And softly wave it down to us.*

—W. O. NESBIT.

Pictures Tell More Than Words

—and they tell it better. The illustrations in this report are typical vistas created by the plantings of this Department in the years 1904-1928! If space permitted we could show ten thousand similarly winsome views spread along five hundred miles of street frontage. The representative photographs in this report show every decade of our plantings during the past twenty-five years, and the prevailing species used. We believe they give proof that the Department has been both skillful and industrious. The photographs were taken by the writer of this paragraph.

CARL BANNWART,
Superintendent.

TWENTY-FIFTH ANNUAL REPORT OF THE Shade Tree Division

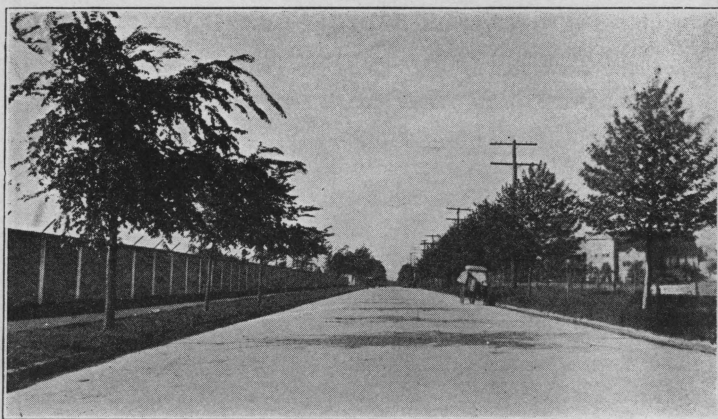
*Hon. Charles P. Gillen, City Commissioner,
Director of the Department of Parks and Public Property.*

Dear Sir:

The Shade Tree Division herewith submits its report for the year 1928.

TREES

The basis of all tree work by municipalities is the frank recognition that a tree is somewhat more than potential lumber. Human interest in it is not merely commercial. The



Roseville Avenue—Elms and Planes—Planted 1905—Photo 1915

relation between it and man is a fascinating mystery. We may measure and weigh the physical bulk of trees, count the rings and the seasons; we may analyze the blossoms and the sap; these things are tangible. But they are not the whole story. They do not explain the universality of the worship of trees among primitive peoples and the continuance in all peoples to this day of some of that primeval awe and sense of mystery evoked by a growing tree. Although the spell cast by trees evades analysis, no one can regard it as a sentimental fancy. It belongs among universals and perennials and casts its subtle witchery wherever leafy branches cast their shade.

This kinship of mankind and trees has been affirmed by the lowly and exalted, by poets and priests, in every age of the world's history. The following quotation from an outstanding figure of the nineteenth century, Johann Wolfgang Goethe, who was both a poet and a scientist, expressed the conscious and unconscious response of the human spirit in millions of hearts:

“With every green tree that surrounds us with its leafage, with every shrub on the roadside where’er we walk, with



Roseville Avenue—Planted 1905—Photo 1929

every grass blade that bends to the breeze in the field through which we pass, we have a natural relationship.”

In the spirit of this recognition of trees as an aesthetic factor having physical needs, we have followed our appointed rounds on behalf of trees and parks during 1928. What follows is a brief outline of our activities, including the maintenance labors for the trees growing along the public thoroughfares, whether planted by this Division or by private initiative, and the care of the city parks during the year 1928.

A resumé of the work of the Shade Tree Division naturally groups itself into two divisions:

1. *Tree Planting.*

Each spring and fall we set out shade trees. As required by law, we give public notice of such plantings. The cost of these plantings is collected by assessment. It averages \$5.00 per tree, including subsoiling, tree, stake, tree guard and guaranty.



Fabyan Place—Oaks—Planted 1909—Photo 1915

The following streets were supplied with trees during 1928 under "statutory planting":

Fabyan Place	22
Hobson Street	45
Leslie Street	61
Schley Street	37
Summit Avenue	39
Wainwright Street	60
Aldine Street	7
Clinton Place	65
Goldsmith Avenue	36
Grumman Avenue	46
Keer Avenue	68
Maple Avenue	30
Pomona Avenue	43



Fabyan Place—Pin Oaks—Photo 1929

The request plantings, totaling 154 trees, came from the following seventy streets:

Clinton Avenue, Pennsylvania Avenue, Kent Street, Alexander Street, Bragaw Avenue, Chancellor Avenue, Eastern Parkway, Fabyan Place, Highland Avenue, Howard Street, Ingraham Place, Lehigh Avenue, Mott Street, North Sixth Street, Passaic Avenue, Peck Avenue, Richelieu Terrace, Sanford Place, Schuyler Avenue, Sixth Avenue, Sunset Avenue, Sussex Avenue, South Nineteenth Street, Wainwright Street, West Alpine Street, Ann Street, Barclay Street, Broad Street, Broadway, Brookdale Avenue, High Street, Chadwick Avenue, Clinton Place, Columbia Avenue, Eighth Avenue, Elwood Avenue, Fairmount Avenue, Fifth Street, Fourth Street, Goldsmith Avenue, Heller Parkway, Hillside Avenue, Keer Avenue, Kempel Street, Lake Street, Lang Street, Lexington Street, Maple Avenue, Meeker Avenue, Milford Avenue, Oakland Terrace, Parker Street, Peshine Avenue, Reade Street, Ridge Street, Roseville Avenue, Scheerer Avenue, Seymour Avenue, Sherman Avenue, Smith



Chadwick Avenue—Norway Maples—Planted 1912—Photo 1915

Street, South Munn Avenue, South Street, Summer Place, South Eighth Street, South Tenth Street, South Twelfth Street, South Thirteenth Street, South Fourteenth Street, Telford Street, Third Street, Tillinghast Street, Verona Avenue, Walnut Street, Weequahic Avenue.

Under the provisions of our guaranty we planted 213 trees on 107 streets to replace trees which had died or were killed during the year.

The totals of these aforementioned plantings were:

	Trees	Streets
Statutory planting (cost collected by assessment)	583	13
Request plantings	154	70
Replace plantings	213	107
	<hr/>	<hr/>
	950	180

2. Maintenance and Cultivation.

Under cultivation we aim to loosen the ground at the base of all the trees during the growing season. This ought to be

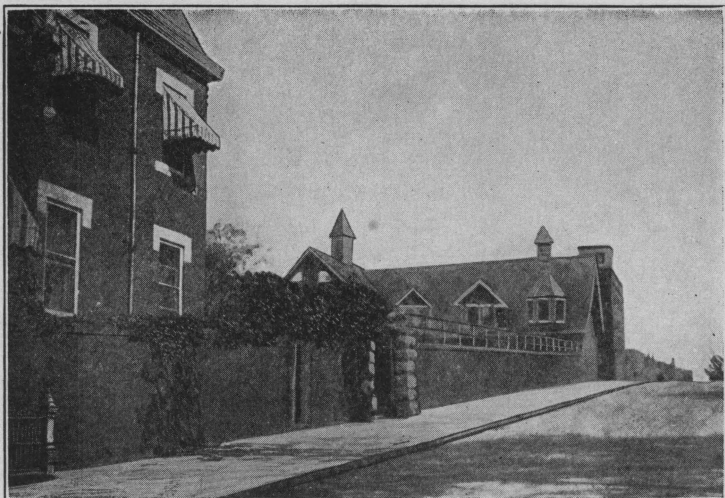


Chadwick Avenue—Photo 1929

done once a month from April to September. In some sections the property owners recognize this need and cultivate around their own trees. Two indispensable elements of growth—air and water—are supplied by such cultivation. Only as these are supplied adequately can trees flourish. We made one round of all our trees from May to August. The total cost of this work was \$2,570.62.

3. *Spraying.*

In June, when the eager battalions of our festive caterpillars begin to feed on the foliage of our lindens and horse chestnuts, maples and carolina poplars, they usually find the spraying solution there first. Arsenate of lead is applied to the leaves to make them palatable and deadly for the caterpillar. Our spraying was successful. Very few trees were defoliated. The tussock moth caterpillars were the most numerous pests. Bag worms were noticeably fewer than last year. The black caterpillars were limited to small areas. The scale and maple wilt and Japanese beetle have been negligible with us thus far.



New Street—A Block on New Street, April, 1909, Without Trees

We apply this insecticide to the leaves by means of two Bean power sprayers, capable of delivering the spray material at four hundred pounds pressure. This high pressure is essential for satisfactory spraying of shade trees.

On one machine the power comes from the truck engine. This machine is three years old and still doing good work.

The other machine is about sixteen years old. The power comes from an engine mounted on the frame with the sprayer. Last year we replaced the original engine with a new and modern one. We find this machine competent for our work.

We started spraying on May 15th. By the Fourth of July most of the tussock moth caterpillars were through feeding. We continued spraying in spots during the summer to check the second brood of tussock moth caterpillars and the bagworm, which comes later than the tussock.



New Street—Oriental Planes—Planted 1909—Photo 1929

The newcomer entered in the rogues' gallery of local insect pests is the Japanese beetle. Thus far they have not been so numerous as to constitute a problem within our city limits.

The total cost of spraying was \$2,213.25.

4. *Tree Trimming.*

We do trimming upon three bases: (1) safety; (2) convenience, and (3) taste. The first applies to older trees with dead and rotting branches. The dead wood is cut out and the trees are made safe. The second applied to our own plantings and the tendency of long lines of young trees to lower their crowns—encroach on the space reserved for heads, millinery and umbrellas. These trees must have the crown raised by removing the lower branches every three years. The third type of trimming has to do with individual requests for trimming made by the owner to reduce the shade or conform the trees to other predilections. In addition to the sec-



North Tenth Street—Norway Maples—Planted 1910—Photo 1915

tional trimming done on the initiative of the Department, we responded to 476 requests involving 1,236 trees. The trimming bill for the year was \$17,007.51.

5. *The Removal of Dead and Dangerous Trees.*

We exercise supervision of all removals of street trees and only give permission when such removal becomes necessary. Permits were issued during 1928 involving the removal of 923 trees. 658 of these were dying and dangerous; 39 were poplars and clogged sewers; 132 were shifted or cut down to accommodate new driveways and new buildings, sometimes with the proviso that new trees would be planted out of the line of the driveway at the next planting season; and 99 for miscellaneous reasons—interference with business, street widening and raising sidewalks. Trees of our planting which die are removed by the Department. We spent \$1,678.38 on this item during 1928.

6. *Tree Census.*

The total tree population under this Department's care, distributed over a street mileage of 320 miles, is as follows:



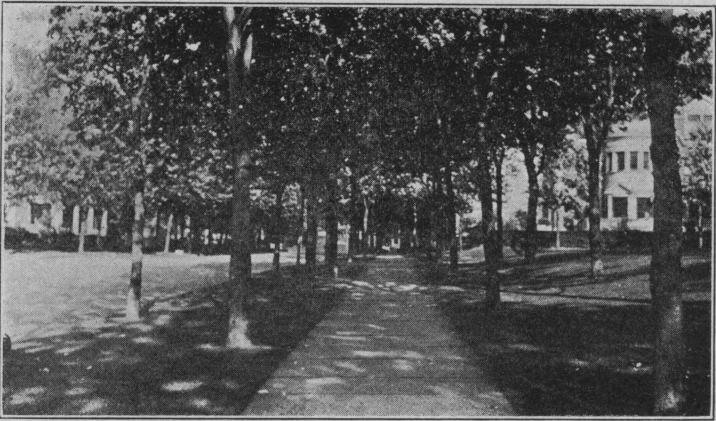
North Tenth Street—Photo 1929

Number and varieties planted along public thoroughfares by
Shade Tree Division, 1904-1928—

Norway Maples	18,568
Oriental Planes	7,334
American Elms (discontinued in 1909)....	467
Pin, Red and White Oaks.....	5,181
	<hr/> 31,550
All other species (Lindens, Red and Sugar Maples, Ginkgo, Horse Chestnut, Tulip, Lom- bardy Poplar, Locust).....	3,112
Older trees planted by private initiative before 1904....	29,495
	<hr/> 64,157
Value.....	\$2,540,380

PARKS

There are thirty small parks under our care. These vary in size from Military Park with its six acres to Eggers with its one-hundredth of an acre. In addition to the parks we do

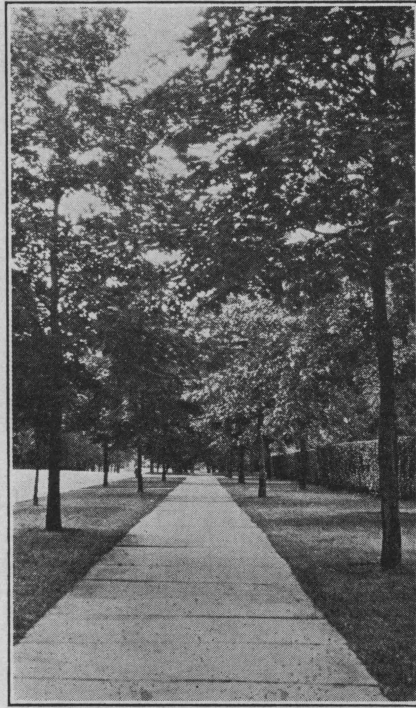


Ballantine Parkway—Norway Maples—Planted 1914—Photo 1916

all the maintenance labors of twenty-one parkways, with a total area of eight and a half acres. These parks and parkways, composed of fifty-one separate units, scattered all over the city, total thirty-one acres. They require a constant round of seasonal labors. There is the daily cleaning and gathering of papers, policing, spreading of manure, cutting of grass in the growing season and snow shoveling in times of storm, repairs of walks and benches, reseeding and resodding the lawns, bedding plants for flower beds and seasonal attentions to the shrubbery and trees.

The exceptional activities in the history of Lincoln, Clinton and Washington Parks were the sixty-foot swath cut across them diagonally to install additional sewers. This invasion of deep and broad ditches wrought havoc for a three-month period in each park and left them despoiled. We regraded and resodded the scarred areas at their expense.

The lagoon at Military Park needed repairs to make it watertight and repointing. It was also stocked with fish, turtles and alligators. These, with the pigeons and squirrels, gave entertainment to many.

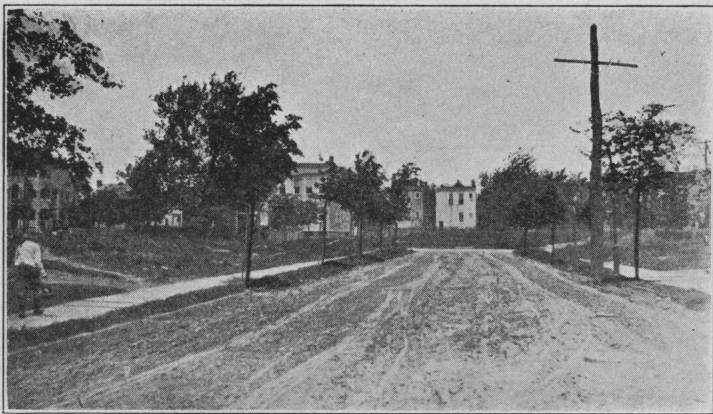


Ballantine Parkway—Photo 1929

*From burst of leaf till fall of leaf
I braid deep amplitude of shade.*

In November we dedicated an artistic drinking fountain of chaste design—the finest hitherto set up in any of our parks. It was completed in Georgia marble, in accordance with the plans of W. Frank Bower, Jr.—the winner of the second prize in the competition held by the Broad Street Association. The fountain is the gift of Mr. Moses Plaut to his native city of Newark.

In acknowledging the gift of this fountain, Director Gillen said in part:

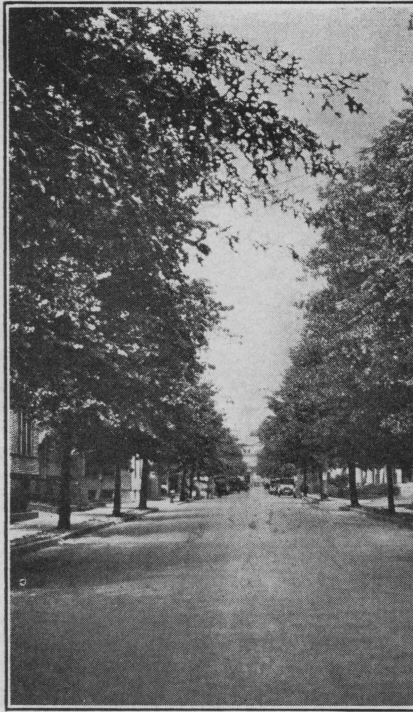


Willoughby Street—Lindens—Planted 1913

Mr. Plaut and Ladies and Gentlemen: As Director of the Parks of the City of Newark it becomes my happy privilege to accept this gift on behalf of the people and government of the City. * * * The gift is the greater because water is as necessary as sunshine—and as wonderful. The fountain symbolizes the tolerance of the wayside well. It gives its refreshing draft to all comers without respect to color or creed. It is as generous in its ministry as the sunshine and the rain—Heaven's bounty upon all living creatures. May it be a source of great satisfaction to you that you have made provision for the refreshment, at this fountain, of countless thousands.

The fountain is enhanced for us by your personal interest in the details of the design, your good taste in selecting the warm, Georgia marble, and the inscription, which has enriched language for three thousand years with its deep spiritual significance.

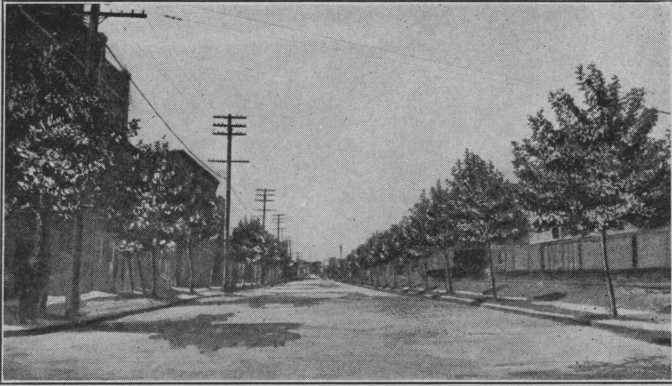
On behalf of the citizens of Newark who will enjoy the cool and sparkling waters, on behalf of those who



Willoughby Street—Planted 1913—Photo 1929

*'Tis a beautiful wonder of life that lifts,
From a wrinkled seed in an earth-bound clod,
A column, an arch in the temple of God.*

rejoice in the flowering of civic pride and gratitude which your generous gift denotes, on behalf of those who appreciate the beauty and grace of the design, on behalf of the officials whose administration was enriched by a gift which will continue long after all of us have passed on, I express to you the most grateful thanks of the people and officials of your native city of Newark.



Badger Avenue—Norway Maples—Planted 1911

Drinking fountains were also installed in Washington and Lincoln Parks.

The first Municipal Christmas Tree was set up in Military Park in 1913. The fifteenth successor of that first tree was located in Military Park directly opposite the Tube Station. The tree itself was the tallest and most symmetrical we ever had and the illumination, which was installed as a gift by the Essex County Electrical League, made an impressive cascade of multi-colored lights. Some two thousand colored bulbs were used and a battery of six flood lights of different color were installed at each point of the compass. The tree was accepted on behalf of the City by Mayor Congleton and Director Gillen on Christmas Eve.

We also set up trees in front of the City Hall, which were illuminated by the City.

The practice of using left-over evergreens in the parks by setting them into the ground to lend a touch of color and



Badger Avenue—Photo 1929

*Of all of Nature's children in the schoolroom of the plants,
The most studious and faithful are the trees.*

fragrance which lasts for months was carried on as in former years. Some six thousand evergreens—balsam and spruce and hemlock—were placed in the central parks to the gratifying embellishment of those parks.

The Comfort Station at Military Park continued its ministry of convenience every day of the year.

Inter-Departmental Cooperation

We are the official landscape gardeners of the Newark Museum, the Newark Public Library and six branch libraries, as well as the plots around the City Hall and the Board of Education administration building. We do similar work at other City buildings, when called upon.

Under the subject of Parks, a most gratifying expansion of our ministries is now in sight in the Alice Hayes Parks, which have now been acquired and are being put in condition to function beneficently as this goes to press.



St. Columba's Church—Elms Planted 1906—Photo 1909

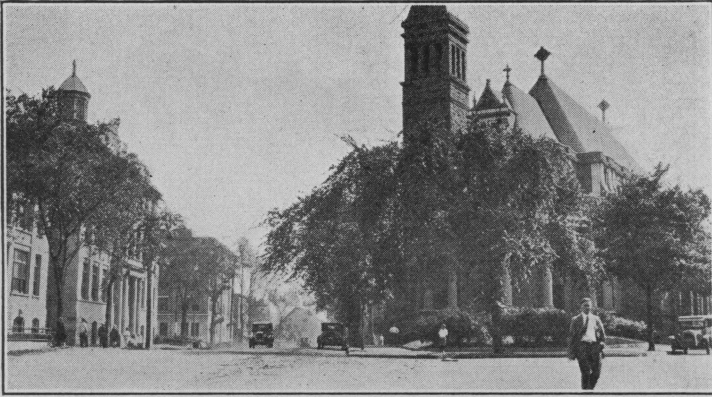
Our Twenty-fifth Anniversary

For twenty-five years the new thought in shade tree administration as embodied in the Shade Tree Statute has been in operation in the City of Newark and the State. In March, 1904, when the first Newark Commission was appointed, there were three commissions in the State—Passaic, East Orange and Newark. Today we are informed there are 125.

The Shade Tree Statute also approved itself to the Legislature of Pennsylvania and a hundred municipalities of that neighboring commonwealth are operating under the same basic law.

The County Shade Tree Statute, which was enacted in 1926, is now operative and six County Commissions are carrying on active programs of tree trimming, planting and other maintenance labors for the embellishment of our county roads.

The State Highway Commission has likewise incorporated the policy of setting out trees along approved newly created



The Beautiful Gate of the Temple—Photo 1929

or improved highways in its policies. Thus we have three agencies working to beautify the public thoroughfares of the State by means of trees.

The financial statement follows.

Respectfully submitted,

CARL BANNWART,
Superintendent.

FINANCIAL STATEMENT, 1928

RECEIPTS AND CREDITS

Appropriation	\$127,825.00
Tree Assessments	3,242.38
Miscellaneous Receipts	3,007.90
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	\$134,075.28



Court Street—Pin Oak—Planted 1905—Photo 1915

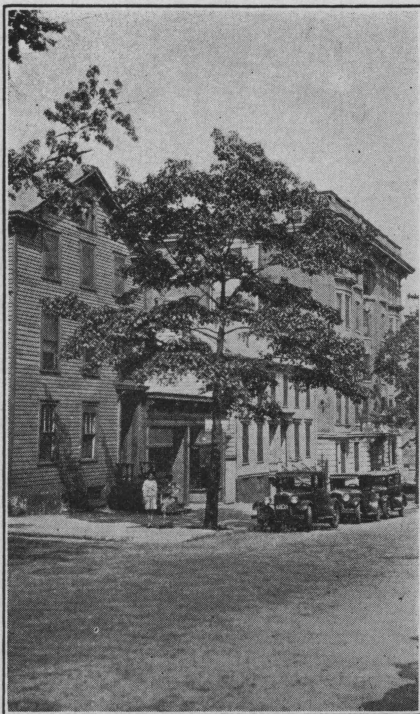
DISBURSEMENTS

Payroll—

Parks, Development and Maintenance.....	\$ 50,282.68
Street Trees, Planting and Care.....	32,426.54
Comfort Station Maintenance.....	3,946.51
Administration	14,240.64
Nursery Maintenance	5,885.83
Care of Stores.....	2,458.80
General	1,956.57

 \$111,197.57
Disbursements Other Than Payroll—

Stakes	472.50
Wire for Tree Guards.....	473.03
Hose for Tree Collars.....	60.00
Seeds, Shrubs, etc.....	1,522.00
Manure and Fertilizer.....	1,225.99
Paint for Park Benches.....	38.26
Ash Slats for Park Benches.....	719.80

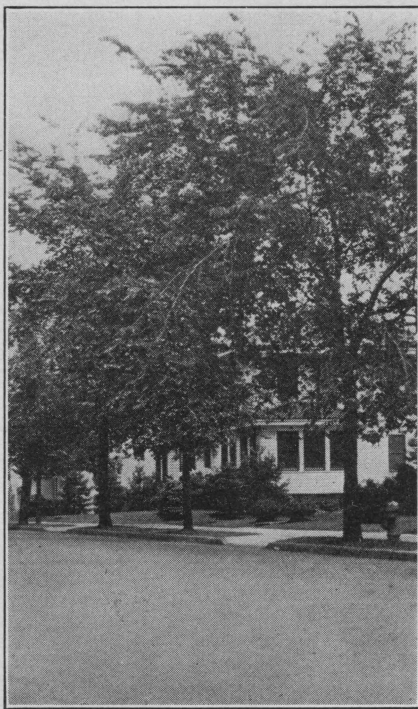


Court Street — Pin Oak —
Planted 1905—Photo 1929

*A tree is a nobler object than
a prince in his coronation
robe.* —POPE.

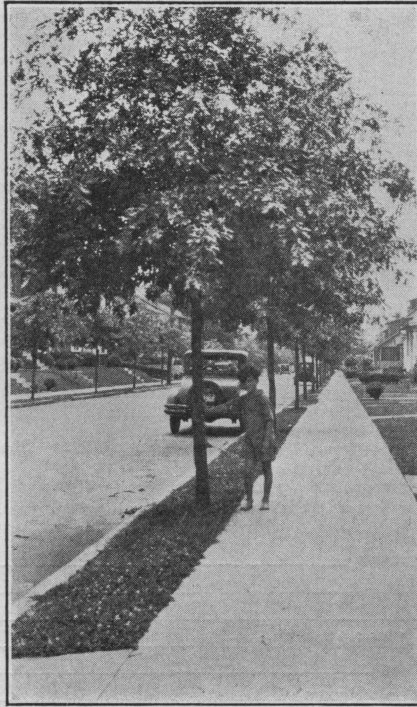
Ellery Avenue—American
Ash—Planted 1927—
Photo 1929





Sanford Avenue—Elms—Planted 1907—Photo 1929

There is rest and sweet enchantment in the shadow of an elm.



West End Avenue—Oaks—Planted 1926—Photo 1929

Repairs to Park Benches.....	\$ 27.45
Repairs to Drinking Fountain, West Park.....	26.54
Repairs to Sprinkler System, Military Park.....	18.68
Erecting New Wooden Flag Pole, McKinley Circle.....	90.00
Cutting Down and Resetting Flag Pole, Milford Park.....	65.00
Moving Rustic House, Liberty Square.....	199.00
Waterproofing Pool, Military Park.....	498.75
Foundation and Mason Work—Re Moses Plaut Drinking Fountain, Military Park.....	366.00
Three (3) New Drinking Fountains for Lincoln, Wash- ington and Liberty Square Parks.....	264.00
Installation of Same.....	944.88
Lawn Mowers	100.00
Green Receptacles and Bags.....	426.00



Clifton Avenue—Norway Maples—Planted 1914—Photo 1929

*Their roots are the nurses of rivers in birth;
Their leaves are alive with the breath of the earth.*

Brush Incinerator	\$ 982.00
Canvas Covering	60.00
Flags	97.85
Repairing and Painting Flagstaffs.....	130.05
Floral Wreaths	180.00
Locks for Tool Boxes.....	.75
Meat for Turtles.....	1.50
Repairing Walks	158.38
Water Rent	978.20
Horses (Board and Keep).....	65.95
Spraying Outfit and Repairs.....	151.74
Spraying Outfit—Gasoline and Oil.....	22.82
Insecticides	240.00
Tools	433.10
Repairs to Tools.....	297.75
Kerosene for Burning Brush.....	14.43
Wagon Storage	240.00
Nails, Bolts, Locks, Tie Wire, etc.....	71.55
Paints and Brushes.....	53.54
<i>Comfort Station—</i>	
Electric Current (Light).....	162.42
Gas (Heaters)	62.17



Shaw Avenue—Horse Chestnuts—Planted 1911—Photo 1929

Repairs to Stairs.....	\$	86.30
Repairs to Water Meter.....		20.00
Plumbing Repairs		542.14
Cleaning and Painting Interior.....		258.09
Electric Fans (2).....		70.00
Towels and Toilet Tissue.....		327.60
Cleanser and Polishes.....		65.63
Disinfectants		137.50
Mops and Pails.....		39.50
Brooms and Brushes.....		7.95
Lamps		15.29
Percentage of Company re "Coin Collection Outfit".....		145.73
Water Rent		694.80

Administration—

Books and Periodicals.....		16.50
Telephone Calls Made by Foremen.....		27.85
Insurance on Shade Tree Tools.....		60.00
Stationery and Appurtenances.....		318.42
Postage		100.00
Advertising Legal Notices.....		184.80
Repairs to Adding Machine.....		1.60
Liability Insurance		1,791.43
Carfares		224.23
Sundries		116.40



Mt. Prospect Avenue—Pin Oaks—Planted 1927—Photo 1929

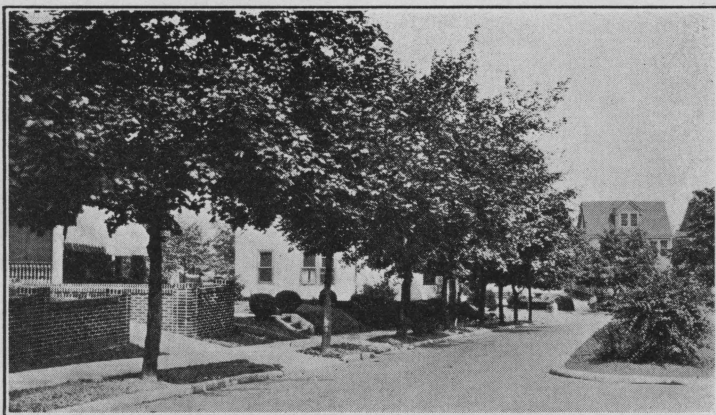
*They shelter the dwellings of man; and they bend
O'er his grave with the look of a loving friend.*

Nursery, House, Barn—

Repairs to Nursery House.....	\$ 77.23
Constructing 1" Water Service at Norman Road.....	132.00
Telephone—Local Service Charge.....	85.10
Water Rent	31.11
Trees	3,219.01

Automobiles and Trucks—

Gasoline (\$713.05), Oil and Grease (\$82.90).....	795.95
Repairs and Parts.....	1,425.62
New Shoes and Tubes.....	309.95
New Chrysler Sedan.....	849.00
Insurance	409.20
Licenses, Garage Rent, etc.....	200.00
Painting Reo Truck.....	7.77
	<hr/>
	\$135,933.35
Cancelled Tree Assessment.....	\$43.50
Redemption of Certificate No. 6401.....	10.00
	<hr/>
	53.50
Auditor's Total	<hr/>
	\$135,986.85



Nye Avenue—Norway Maples—Planted 1914—Photo 1929



Mt. Prospect Avenue—Pin Oaks—Planted 1906—Photo 1929

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