

## MAPLEWOOD TOWNSHIP, ESSEX COUNTY, NEW JERSEY.

Population - 1940 Census - 23,139.

IN GENERAL: Located on the D., L. & W. R. R. about 7 miles west of Newark. It is a high class residential community with 15 small industries employing about 630. Area is about 4.0 square miles. Elevations range from 110 to 400 feet. Streets are all improved and in good condition. There are no ratiroad grade crossings, but a number of steep grades could effect delays in the response of fire apparatus.

but a number of steep grades could effect delays in the response of fire apparatus.

WATER SUPPLY: Water for domestic and fire protection purposes is furnished by the Commonwealth Water Company. The portion of this system in Maplewood is principally on the Canoe Brook Low Service to the east and the Canoe Brook pumping station. A small portion in the northwest at higher elevation is supplied by the Wyoming Booster Station. The township supply is principally through two 16-inch and two 10-inch supply mains interconnected with 16-inch and 18-inch and 24-inch mains from the Canoe Brook and Short Hills Pumping Stations. The Wyoming and West Orange Reservoirs respectively in Millburn and West Orange function as equalizers for this service and provide 1.9 million gallons aggregate storage. For a detailed description of the Commonwealth Water Company system see report and map No. 245. Distribution System: In two services consisting of the Canoe Brook Low Service and the Maplewood High Service serving a small area along the ridge northwest of Wyoming Avenue which is supplied by the Wyoming Booster Station. See map and description above. Consumption: The average and maximum daily pumpage in the entire territory served (31,810 live services) was 12.782 and 20.122 million gallons. There are no available statistics for the consumption in Maplewood, but on December 31, 1945 there were 6,142 services in the township, all of which were metered, and on that date there was a total of 31,463 services in the entire territory served. Pipe: All pipe is cast iron, tar coated, and with the exception of a small amount of Universal joint, it is bell and spigot, laid with a minimum 3½-foot cover. Total length in Maplewood, 320,252 feet; 6.4% 16-inch, 6.0% 12-inch, 3.6% 10-inch, 6.5% 8-inch, 64.1% 6-inch and 11.4% 4-inch. No trouble was reported from frozen mains or electrolysis. Gate Valves: There are 548 in the township of Wood, Darling, and Ludlow makes set with boxes at or near grade. Direction of operation is uniform, but there are

Low Service—
Baker St. and Maplewood Ave., 1,940—120—108.
Lafayette Circle and Washington Rd., 420—62—
Oakview Ave. and Valley St., 740—113—75.
Summit Ave. and Burnet Ter., 760—67—43.
Fourth St. and Essex Ave., 820—53—31.
Springfield and Boyden Aves., 1,380—64—59.
Schaefer Rd. and Newark Way, 820—84—64.
Springfield Ave. and Indiana St., 2,170—73—45.

Tower and Lewis Drives, 480-72-22.

Tower and Lewis Drives, 480—72—22.

FIRE DEPARTMENT: A full-paid organization of 4 companies under the control of the township. Township owns houses, apparatus, and equipment and during 1946 appropriated \$78,056 for salaries and wages and \$18,590 for other expenses. Department consists of a chief, a captain in charge of the fire prevention bureau, I acting captain, 2 lieutenants, and 23 men who operate in alternate 10-hour and 14-hour shifts. In addition there are 3 telephone clerks who operate in 8-hour shifts and maintain constant duty at fire headquarters. Men off duty are required to remain in town and answer fire calls except on one day in 6 when they are off duty for 24 hours and may leave town. Men are not on Civil Service status, hut may be retired under the State Pension Law. Vacation schedules permit one officer and three men on leave at one time. Chief and company officers are appointed by the township committee on recommendation of the chief after submitting to examinations. Eleven men and one officer are on duty at all times at headquarters in addition to the telephone clerk, and 3 men are on duty at all times at Engine Company No. 2. Companies—Engine Company No. 1: Alternate 3 or 4 men and 1 driver are on duty at all times, Located in fire headquarters on Dunnell Road and Oakland Road. Building is a 2-story and basement brick structure with slag roof, concrete apparatus floor, steam heat, electric lights, telephone, and hose tower. Equipment: A 1926 American La France 1,000-g.p.m. triple combination pumping engine carrying a 100-gallon booster tank, 250 feet of booster hose, 1,000 feet of 2½-inch hose, 3 all-purpose gas masks, 1 cellar nozzle, 2 short ladders, and good minor equipment. Engine Company No. 3: Alternate 4 and 3 men on duty at all times. Located in fire headquarters. Equipment: A 1926 American La France 1,250-g.p.m. triple combination pumping engine carrying a 100-gallon booster tank, 200 feet of booster hose, 1,500 feet of 2½-inch hose, 3 all-purpose gas masks, 2 cellar pipes, a 1,25

POLICE DEPARTMENT: Consists of a chief, captain, 3 lieutenants, 2 sergeants, and 33 men who work in 8-hour shifts and maintain constant watch at the police headquarters on Dunnell Road near fire headquarters. Police have 34 street telephone boxes with 4 recall lights and bells. There are 4 trunk telephones at the police desk. Department is provided with 9 patrol cars, 6 of which are equipped with 3-way short wave radios, a police chief's car and a Cadillac ambulance in addition to 2 motorcycles which are not in use. Police respond to all alarms of fire and report unauthorized huilding construction to the huilding inspector.

BUILDING LAWS: Code adopted August 4, 1931 provides for the appointment of a building inspector who must be qualified through experience in the building trades. The code closely follows the code recommended by the National Board of Fire Underwriters and covers fire limits, building heights, wall thicknesses, and fire stops and prohibits frame construction and wood shingled roofing within the fire limits.

FIRE PREVENTION LAWS: A fire prevention ordinance adopted July 16, 1946 closely follows the recommended fire prevention ordinance of the National Board of Fire Underwriters and in numerous instances has more stringent requirements than those in the recommended ordinance. Ordinance appears to be well enforced by the fire prevention bureau which is a part of the fire department. State laws adequately cover the storage and shipment of explosives and flammables and the construction of motion picture hooths. They also restrict the discharge of fireworks to responsible bonded parties.

ZONING ORDINANCE: Adopted July 16, 1940.