



April 15, 1943.

MILLTOWN BOROUGH, MIDDLESEX COUNTY, NEW JERSEY.

Population—Census of 1940 was 3,515.

IN GENERAL: Milltown is a small manufacturing and residential community located about 3 miles south of New Brunswick on the Raritan River Railroad. The Public Service bus line from New Brunswick to South Amboy passes through Milltown. There are 8 manufacturing plants employing about 260. Area about 2 square miles. Elevations range from 20 to 107 feet above mean sea level. Streets practically all concrete or macadam. One grade crossing is reported as not having interfered with the response of fire apparatus.

WATER SUPPLY: Supply for domestic and fire protection purposes is purchased from the City of New Brunswick. Supply is through a single 12-inch line from New Brunswick standpipe. **Organization:** Distribution system is owned and operated by the borough. It is in charge of a superintendent and an assistant who also maintain the local electric power plant and sewer system. A truck is provided. Records are fair. **Supply Works:** See report and map No. 40 of New Brunswick. **Distribution System:** In one service; see map. Supply is through a 12-inch main and Venturi meter from the New Brunswick system. A break in this 12-inch feeder would cut off the Milltown supply except for a normally closed 6-inch emergency connection to East Brunswick Twp. at the southeasterly end of Main Street. Gridiron poor with numerous 6-inch dead end mains. **Consumption:** The average daily consumption in Milltown is about 136,531 gallons per day, exclusive of the 31,000 gallons per day which is delivered to the Personal Products Company. The maximum daily consumption in Milltown is estimated to be 204,796 gallons per day, exclusive of the 46,500 gallons delivered to the Personal Products Company. On December 31, 1942, there were 855 live services, all of which were metered. **Pipe:** Cast iron, tar coated, bell and spigot joint, laid with 4-foot cover. No trouble reported from frozen mains or electrolysis. Total length, exclusive of 12-inch transmission main, 43,500 feet; 16.5% 10-inch, 3.7% 8-inch, 71.8% 6-inch and 8.0% 4-inch. **Gate Valves:** There are 54 of Darling make. All open to left. Inspected annually. Fire Department notified when valves are closed shutting hydrants out of service. **Hydrants:** There are 81 of Darling make of standard type. All have one 4½-inch and two 2½-inch outlets and 6-inch gated branches. All outlets are National Standard. They are inspected semi-annually and were in good condition at time of inspection. **Pressures:** In February, 1936, a recording gauge at shop at elevation 27 showed a reading of 80 pounds. Pressures taken at three hydrants showed pressures ranging from 55 to 75 pounds with an average of 62 pounds. On March 11, 1943, a pressure of 70 pounds was recorded at the hydrant on Ford Avenue, southwest of Main Street. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured in February, 1936, and on March 11, 1943, by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

February, 1936—

Main St. and Ford Ave., 690—75—28.

Booream and Main Sts., 580—55—23.

Main St. and Pershing Ave., 310—55—6.

March 11, 1943—

Ford Ave., southwest of Main St., 690—70—8.

FIRE DEPARTMENT: A volunteer organization of two companies under control of the fire board and borough council. Houses, apparatus, and equipment owned by bor-

ough, which appropriated \$5,000 for the support of the department during 1943. A chief and two assistant chiefs constitute the fire board. One officer is appointed each year by the borough council and serves for a three-year term. Three foremen for each company are elected by companies annually, subject to confirmation by borough council. **Companies—Eureka Engine Company No. 1:** Membership 25. Located in borough hall on Main Street about 500 feet southeast of Sands Street. Building is a 2-story frame structure with a slate roof, concrete floor, steam heat, electric lights, and telephone. Doors locked and keys distributed. **Equipment:** One 1921 American La France 600-g.p.m. double combination pumping engine carrying 1,000 feet of 2½-inch hose, 200 feet of booster hose, 2 short ladders, and generally good minor equipment. **Eureka Hose Company No. 1:** Membership 25. Located on Cottage Avenue 150 feet east of Clay Street. Building is a 2-story brick structure with a composition roof, concrete apparatus floor, steam heat, electric lights, and telephone. Doors locked and keys distributed. **Equipment:** One 1939 Mack 500-g.p.m. quadruple combination pumping engine carrying a 180-gallon booster tank, 1,200 feet of 2½-inch hose, 7 ladders ranging from 9 feet to 40 feet and totaling 151 feet, and fair minor equipment. One 1926 Graham chemical car carrying two 40-gallon chemical tanks, 350 feet of 1½-inch hose, 200 feet of chemical hose, 3 short ladders, and fair minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. In addition to that carried on the apparatus there is 1,300 feet in reserve. There is a hose tower located at Eureka Engine Company, but it is not used. Hose is tested semi-annually at 150 pounds pressure. **Operations:** Department is governed by borough ordinance and company by-laws. Chief has control of apparatus at all times and of men at fires and drills. He has power to suspend members and may prefer charges to fire board. **Drills and Training:** Drills held monthly under supervision of chief officers consist of hose, pump, and ladder work. **Fire Methods:** Chemical lines used for incipient fires, reinforced by hydrant and engine lines. Gas masks and salvage covers are used but no heavy stream appliances are provided. **Response to Alarms:** All pieces of apparatus respond to all alarms in borough. Outside aid may be secured from New Brunswick. **Building Inspection:** Chief officers make semi-annual inspections of factories. **Records and Reports:** Records of fires and condition of apparatus are complete. **Fire Alarms:** Alarms of fire are telephoned through the local telephone exchange to the Michelin Tire Company plant where there is someone on duty 24 hours a day. Two sirens on the plant property are sounded and each fire house is notified by phone of location of fire.

POLICE DEPARTMENT: One chief officer and 6 specials.

BUILDING LAWS: Code adopted January 1, 1923, provides for appointment of a building inspector for a term of one year. Before any building operations may be commenced a permit must be secured from the building inspector and plans filed if required. Non-combustible roof coverings required within the corporate limits. Code contains some good features, but is not sufficiently comprehensive.

EXPLOSIVES AND FLAMMABLES: An ordinance adopted April 10, 1922, regulates the sale of fireworks. State laws adequately cover the storage and shipment of explosives and flammables and the construction of motion picture booths. They also restrict the discharge of fireworks to responsible bonded parties.