



Schedule Rating Office of New Jersey.
 ENGINEERING DEPARTMENT
 NEWARK, N. J.
**Town
 of
 Guttenberg**
Hudson County, New Jersey

DECEMBER 15, 1941

KEY

PROTECTED FIRE ZONE: Shown in Green.
 NOTE.— For description of fire protection, etc., see other side.

Elevations range from 0 to 263 feet above mean sea level.

Water mains 8 inches and larger in diameter

Water mains 6 inches in diameter

Water mains 4 inches in diameter

Fire hydrants shown thus

Gate valves shown thus

Fire house shown thus

Fire apparatus designated by symbols thus:

(Y) Pumping engine and hose car

(H) Hose car

(L) Ladder truck



TOWN OF GUTTENBERG, HUDSON COUNTY, NEW JERSEY

Population — Census of 1940 was 6,200.

IN GENERAL: Located on the Hudson River about 5 miles north of Jersey City. It is a manufacturing community devoted almost entirely to embroidery and affiliated industries. Area 0.2 square miles. Elevations range from 0 to 263 feet. Streets are mostly improved. There are no grade crossings and one steep grade is said not to have interfered with the response of fire apparatus.

WATER SUPPLY: Water for domestic and fire protection purposes is furnished by the Hackensack Water Company from its Weehawken High Service through a 36-inch line from Reservoir No 3 in Fairview, and with an emergency connection to the High Service Pumping System from the New Durham Pumping Station. A small section along the river is supplied from its New Durham Low Service through a 30-inch line from Reservoir No 1 in Weehawken, supplemented with connections through pressure regulators to Reservoir No 2 and the New Milford Low Service System. For a detailed description of the Hackensack Water Company system see report and map No 59.

Consumption: The average and maximum daily consumption in the entire territory served in 1940, 79,218 live services on December 31, 1940, was 33,906 and 39,711 mgd. The maximum daily pumpage was 34,490 and 7,500 mgd respectively on the low and high services. On December 31, 1940 there were 914 services in Guttenberg, all of which were metered. It is estimated that 0.82% of the entire consumption was used in Guttenberg. **Distribution System:** In two services; see map. **Pipe:** All pipe is cast iron, tar coated, bell and spigot joint, laid with from 3½ to 4-foot cover. Total length 29,661 feet; 3.09% 36-inch, 2.20% 30-inch, 1.37% 16-inch, 7.35% 12-inch, 0.34% 8-inch, and 85.65% 6-inch. No trouble has been reported from freezing or electrolysis. **Gate Valves:** There are 101 of various makes with valve boxes at grade. Direction of operation is uniform. Inspection and repair of valves in the entire territory served by this company is continuous resulting in about one complete annual inspection of all valves and semi-annual inspection of major control valves. Repair work is continuous until service is restored. **Hydrants:** There are 59 in the town of Smith and Corey makes of standard type; 56 have two 2½- and one 4½-inch outlets and the balance have one 2½- and one 4½-inch outlets. Hose and steamer outlets have National Standard threads. All hydrants have 6-inch gated branches except 3 which have 4-inch gated branches. Hydrants are inspected semi-annually, after use, and frequently during freezing weather. At time of inspection those operated were found to be in good condition. **Pressures:** Readings taken at 3 well distributed hydrants showed pressures ranging from 24 to 50 pounds with an average of 35 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on October 17 and 29, 1941 by means of Pitot tubes. Location of hydrant, discharge in gallons per minute, pressure before flow and pressure during flow were as follows:

Weehawken High Service—

Bergenline Ave at 68th and 70th Sts., 1,900—32—28½
Park Ave and 69th St, 960—50—45
68th and Polk Sts, 550—24—21.

FIRE DEPARTMENT: A volunteer organization with 2 full paid drivers on alternate 24-hour duty. Department consists of 3 companies under partial control of the town which owns houses, apparatus, and equipment and appropriates about \$5,000 annually for the support of the department. Membership 56 including 2 paid men at Eclipse Hose Company No 4. A minimum of 19 members are available at all times. Officers including a chief, assistant chief, 2 foremen, and 2 assistant foremen are elected annually by the companies and approved by the town council. **Companies—Eclipse Hose Company No. 4:** Membership 15 including 2 paid men who alternate on 24-hour duty. Company is located at Madison and 68th Streets in 2-story joisted brick building with living quarters above, concrete

floor, slag roof, steam heat, electric lights, telephone to police desk, siren, and hose tower. **Equipment:** A 1923 American La France 750-g.p.m. double combination pumping engine carrying 900 feet of 2½-inch hose, 1 gas mask, 2 short ladders and fair minor equipment. **Washington Hook and Ladder Company No. 1:** Membership 21. Located in town hall on Park Avenue between 68th and 69th Streets. Building is a 4-story frame structure with slate roof, concrete apparatus floor, steam heat, electric lights, hose tower, and siren. **Equipment:** A 1923 American La France 55-foot city service ladder truck carrying 9 ladders ranging from 12 to 55 feet and totaling 257 feet, 1 gas mask, and good minor equipment. **Washington Hose Company No. 1:** Membership 20. Located in town hall on Park Avenue between 68th and 69th Streets as shown on map. **Equipment:** A 1917 Diamond T hose car carrying two 40-gallon chemical tanks not in use, 1,000 feet of 2½-inch hose, 150 feet of chemical hose in questionable condition, 1 gas mask, 2 short ladders and meager minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. It is dried in hose towers, shifted monthly, and tested annually at from 100 to 120 pounds pressure. Approximately 1,500 feet is over 5 years old and there is a reserve supply of 1,500 feet. **Operations:** Department is governed by a town ordinance and company by-laws. Chief has control of apparatus at all times and of men at fires and drills. He has no power to suspend members, but may prefer charges to company and town officials. The motor in the Eclipse Hose Company No 4 is started every other day and the motors at the town hall are started two or three times weekly. The paid members in Eclipse Hose Company No. 4 drive and operate pump and there are 5 or 6 appointed drivers for each of the other two companies. **Drills and Training:** Company drills are held about 6 times a year and there is one annual drill for the department as a whole. Drills are held under the supervision of the company officers and consist of pump operation and some hose and ladder work. **Fire Methods:** No booster or chemical lines are used. Pumpers always hook up to hydrant upon arrival at fires and hose lines with shut-off nozzles are laid. There are 3 gas masks in the department, but no salvage equipment or heavy stream appliances are provided. **Response to Alarms:** All three companies respond to all alarms within the town and outside aid may be secured from the paid departments of North Bergen and West New York. **Building Inspection:** Inspections by the chief and one or two firemen are limited to bi-monthly inspections of the theatres. No records are kept of these inspections. **Records and Reports:** Incomplete records showing location of fire and attendance are kept by the chief, but no report is made to the town. **Fire Alarms:** Alarms of fire are telephoned through the Union City Telephone Exchange to the police desk in the town hall where there is someone on duty at all times. From here they are relayed by means of private telephone lines to the Madison Street Fire House. Paid man on duty at the Madison Street Fire House sounds siren at that house. Policeman on duty at police desk sounds the siren at the town hall. No codes are used. Switch boxes for operating sirens are located in front of the fire houses.

POLICE DEPARTMENT: Consists of a captain, lieutenant, sergeant, and lieutenant-detective and 8 patrolmen working in 8-hour shifts. One patrol car is provided. Police do not necessarily respond to alarms of fire.

BUILDING LAWS: None.

EXPLOSIVES AND FLAMMABLES: An ordinance adopted April 4, 1936 limits the use, manufacture and storage of explosives and flammables to certain zones within the town. State laws adequately cover the storage and shipment of explosives and flammables and the construction of motion picture booths. They also restrict the use of fire-works to responsible bonded parties.

ZONING ORDINANCE: None.