

TOWN OF HARRISON, HUDSON COUNTY, NEW JERSEY.

Population-1940 Census-14,171.

IN GENERAL: Located on the east bank of the Passaic River directly opposite Newark and on the D. L & W., Pennsylvania, and Erie Railroads. It is essentially a manufacturing town with 60 industries employing about 13,200. Area 1.22 square miles. Elevations range from 0 to 80 feet. Roads mainly concrete or asphalt in good condition. Traffic on main thoroughfares and railroad crossings at grade might seriously interfere with the response of fire apparatus.

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WATER SUPPLY: Water for domestic and fire protection purposes is furnished by the Town of Harrison which owns distribution system and purchases water from the Passaic Valley Water Commission. For a description of this supply see Clifton report with Map No. 19 and Kearny report with Map No. 6 Organization: The municipal organization is under the supervision of a chief clerk with 2 clerks and a superintendent with 5 maintenance men All are under State Civil Service Rules and Regulations. Detailed records of hydrant and valve locations are incomplete. Employee of department responds to alarms of fire only when requested to by the fire department Two well equipped trucks are provided. Office in town hall and the shop is at the town garage. Distribution System: In one service; see map Supply to Harrison is through a 30-inch main which extends south on Kearny Avenue, Kearny with several closed connections to the Kearny distribution system and thence through 16-inch and 14-inch mains to district and distribution system. Consumption: The average daily consumption for 1947 was 4.56 million gallons. On January 1, 1948 there were 2,540 services of which 1,814 were metered Pipe: Cast iron, tar coated, bell and spigot joint, laid with a 4½-foot cover. Some trouble from frozen mains; none from electrolysis. Total length, 82,570 feet, 5 9% 16-inch, 0 6% 14-inch, 1.1% 12-inch, 7.6% 10-inch, 6.1% 8-inch, 78.5% 6-inch, and 0.2% 4-inch Gate Valves: There are 205 on the system of A. P. Smith make set with iron boxes at grade. All turn right to open. Valves are inspected annually by the water department. Hydrants: There are 152 on the system of Corey, Ludlow, and Smith makes; 143 have two 2½-inch outlets, 4-inch or 6-inch gated branches, remainder have two 2½-inch outlets, 4-inch or 6-inch gated branches Small outlets are New York type thread and large outlets are 14½-inch outside diameter wi

Hiram Ave. and Harrison Ave., 780-75-58. Harrison Ave. and 4th St., 1,950-74-60. Railroad Ave. and 2nd St., 930-82-57. Sussex St. and Worthington Ave., 1,080-76-25. Essex St and 4th St., 820-83-76. Cross St. near Davis Ave., 640-77-57. Bergen St. near 6th St., 630-75-53. Dey St. near Jersey St., 640-81-54. William St. near 2nd St., 540-75-45.

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FIRE DEPARTMENT: A full paid organization of 3 engine companies and I ladder company under the control of the chairman of the fire committee of the common council. There are 44 members including a chief, a deputy chief, and 11 captains. Members are under Civil Service Rules and Regulations. They are divided into two platoons on duty alternately 10 and 14 hours every third day. Time is allowed for meal periods. Firemen receive 21 days annual vacation during which period each company is shy one man on each platoon. Off-shift men are required to respond to second or greater alarms and are notified by tower bell at headquarters. A pension fund for paid men is established by state law, supported by assessments from salaries of men and by the city. Members may retire on half salary in case of total disability or after 20 years of service if 50 years of age. City owns all apparatus and equipment and appropriated \$156,000 for the support of the department in 1948. Companies—Headquarters: Located on Cleveland Avenue between Third and Fourth Streets. Building is a 2-story brick structure with a slag roof, steam heat, electric lights, concrete apparatus floor, 2 telephones, and hose tower. Truck Company No. 1: Membership 11 including 3 captains. Equipment: A 1931 Ahrens-Fox 85-foot aerial truck carrying 12 ground ladders ranging from 6 to 50 feet and totaling 320 feet, a ladder pipe, a Baker cellar pipe, 3 salvage covers, a foam generator, 1 life net, 4 gas masks, 2 oxygen masks and 1 inhalator, one 600-watt electric generator, 2 flood lights, 1 cutting torch, and fair minor equipment. Engine Company No. 2: Membership 10 including 3 captains. Equipment: A 1944 Ahrens-Fox 1,000-g.p m triple combination pumping engine carrying a 60-gallon booster tank, 250 feet of booster hose, 1,400 feet of 2½-inch hose, 2 short ladders, 2 gas masks, 1 Bresnan distributor, and fair minor equipment. Engine Company No. 3: Membership 10 including 3 captains. Located at Sussex and Fifth Streets. Building i

ing a 60-gallon booster tank, 250 feet of booster hose, 1,400 feet of 2½-inch hose, 2 short ladders, 2 gas masks, and fair minor equipment. Reserve Equipment: Located with Eingine No. 11 of 2½-inch hose, 2 short ladders, 1 Bresnan distributor, 5 deluge sets, 1 mechanical foam nozzle, 1 foam generator, one 3,000-watt electric generator, 3 flood lights, and fair minor equipment. A 1943 American La France 85-foct aerial adder carrying 8 ground ladders ranging from 12 to 40 feet of 2½-inch delayers, 25 flood lights, and fair minor equipment. A 1942 Buick 4-passenger coupe, radio equipmed distributors, 1 foam generator, 1 life piec. 1 deluge set, 3 florens minor equipment. A 1942 Buick 4-passenger coupe, radio equipmed carrying 2 gas masks as provided for the chief, and a 1937 Chevrolet coupe is provided for the assistant chief. Hose: All 2½-inch hose is CRL with New York type screw couplings. Hose is tested annually at 200 pounds, shifted every three months, and dried in hose tower There is 3,550 feet of 2½-inch hose in reserve About 70% of the town ordinances. Chief has Coperations: Department governed by the coupling of the set of the coupling of the

POLICE DEPARTMENT: Consists of a chief, deputy chief, 5 captains, 5 lieutenants, 3 detectives, 1 sergeant, and 47 patrolmen working in 8-hour shifts There are 20 street signaling boxes over which patrolmen report every half hour. Two ambulances, 1 emergency truck, 1 pick-up truck and 4 radio cars are provided Patrolmen on beat respond to alarms of fire and attempt to form fire lines. Patrolmen issue summonses for unauthorized construction.

BUILDING LAWS: Code adopted April 3, 1906 and subsequently amended December, 1927 and May 5, 1941 provides for the appointment of a building inspector, requires a permit to be issued and inspections made hefore building operations may begin. No fire llmits are established No regulations in regard to wood shingle roofs Code has some poor regulations in regard to height, protection of vertical openings, wall thicknesses, chimneys, flues and heating appliances, but in general does not conform to the code recommended by the National Board of Fire Underwriters.

FIRE PREVENTION LAWS: No municipal regulations State laws adequately cover the storage and shipment of explosives, the transportation of flammables, and the construction of motion picture hooths. They also restrict the discharge of fireworks to responsible

ZONING ORDINANCE: Code adopted November 13, 1934.