

BOROUGH OF WOOD LYNNE, CAMDEN COUNTY, N. J.

Population about 1,200.

IN GENERAL—Suburban town to Camden and Philadelphia, located adjoining Camden on the southeast; connects with Camden by good interurban trolley line. Area about $\frac{3}{4}$ square miles. Elevations range from 10 to 20 feet above mean sea level. Streets are all macadam and in fairly good condition.

WATER SUPPLY—The borough is supplied through a long 6-inch line from the Collingswood distribution system which, in turn, is supplied from the pumping station of the Merchantville Water Company. The General Water Company, which purchases water under a contract from the Merchantville Water Company, owns and operates the distribution system in Collingswood, Wood Lynne, and developed portions of Haddon Township. The contract between the Borough of Collingswood and the Water Company requires that a pressure of 60 pounds be maintained at the Collingswood standpipe. Management fair; main office in Camden; local office and shop in Collingswood. Private engineer retained. Record incomplete. Repairs, extensions, and maintenance by Superintendent, who would respond to alarms of fire when notified. Telephone in local office. **Supply Works**—See Maps Nos. 54 and 55. Supply obtained from nine 8-inch and one 10-inch deep wells ranging from 75 to 250 feet deep. Water taken from wells by low lift pumps (and part by air lift in emergency) and discharged to aerating basin from which it flows by gravity to an 80,800 gallon suction well; (8-inch emergency connection from Pensauken Creek to suction well); the high lift pumps drafting from the suction well discharge through the pressure filters to the 8-inch and 12-inch supply line to the several distribution systems with the Merchantville standpipes as equalizers, the Collingswood standpipe being shut off from service. Pumping station located in Pensauken Township, about 2 miles north of center of Merchantville; floor at about elevation 10; three hands working in three shifts, and engineer lives adjacent to station. Pumping station and filter house part brick and frame iron clad. Equipment includes two low lift duplex pumps rated at one and two million gallons per diem; one small vacuum pump; one air compressor; two simplex high lift pumps each rated at one million gallons per diem and one crank and flywheel high lift pump rated at two million gallons per diem; two 60 horsepower and one 150 horsepower boilers; five pressure filters each rated at half million gallons capacity, but capable of 50 per cent. overload. The small low lift and two small high lift pumps seldom used. **Standpipes**—(Merchantville)—Two located as shown on Map No. 54, with bases at elevation 89.6; one 8x110 feet, capacity 41,360 gallons, and one 25x110 feet, capacity 403,908 gallons. **Distribution System**—In one service. See Map. **Pipe**—All cast iron, tar coated, bell and spigot joint. Laid with a 3 foot cover. No trouble reported from electrolysis. During the winter of 1917-18 a number of lengths of pipe froze. Total length of pipe 17,300 feet, 48.2 per cent., 4-inch; 49.5 per cent., 6-inch; 2.3 per cent., 8-inch. **Gate Valves**—Total number 26; generally located on property lines and about as indicated on map. All said to open to right. No regular inspection. **Hydrants**—20 hydrants in service generally with two 2½- and one 4½-inch outlets, 5-inch barrels and 4- to 6-inch gated branches; all open to left. At time of inspection hydrants found in fair condition; no regular inspection. **Pressures**—Pressure recording gauge in water office of Collingswood at about elevation 25 shows fairly uniform head of 140 to 145 feet. In November, 1918, readings taken at three hydrants show pressures range from 66.5 to 74.5 pounds with an average of 69.5 pounds. **Fire Flow Tests**—Probably supply available for fire protection purposes was measured by means of Pitot tubes at the following locations with the results as given. Location of test, discharge in gallons per minute, pressure with hydrants closed and pressure with hydrants open are given consecutively: Wood Lynne and Powelton, 240, 68.5, 10.5; Third and Elm, 305, 74.5, 10.5.

FIRE DEPARTMENT—There is no fire department organization. Fire house located as shown on map with two empty hose reels.

POLICE DEPARTMENT—Two marshals appointed by Mayor and confirmed by council perform police duties.

BUILDING LAWS—Adopted in July, 1918; inspector appointed by Mayor for one year term. No fire limits. Some fair provisions, but code does not conform to many of the essential features of the "Code of Suggested Ordinances for Small Municipalities" prepared by the National Board of Fire Underwriters.

EXPLOSIVES AND INFLAMMABLES—No regulations.