

Two steam boilers, of about 50 H.P. each, furnish what additional steam is required for the Producer, and, also, drive the elevator and blowing engines, and supply steam for heating the buildings.

City Gas System.—The gas holder and Pumping Station are connected with the City gas mains by a special 12 inch pipe. If, for any reason, the Producer Gas System should be out of Service, a full supply of City gas may be at once conducted to the holder, or directly to the Engines, by a special main provided in the pumping station for that purpose.

Gas Holder.—A gas holder of 250,000 cubic feet capacity stores a reserve of gas, either Producer or City, gas, sufficient to operate the whole plant for from 1½ to 5 hours. This will give ample time to fire additional producers, or to make provision for the use of the City gas, in case of a long continued fire. It is not likely that more than half the capacity of the plant will be required except in extraordinary cases.

The Distribution System.—Two 20 inch mains lead from the Pumping Station to Main Street by different routes, connecting with sub-mains on the way. Either of these mains in case of accident to the other, is sufficient to take the water from the pumps when working at their rated capacity.

The mains are designed to withstand the ordinary working pressure of 300 lbs. per square inch, and water hammer. They were tested to 700 lbs. per square inch at the Foundry, and