

manufacturers have little fear from competition by the United States or by Great Britain in this line.

As previously mentioned, there are but few important private steam power stations. There are, however, a number of small ones and the majority of these have installed small turbo units manufactured by Gebr. Stork.

Water turbines.—Recent hydroelectric developments in the Netherland East Indies have greatly increased the demand for water turbines, particularly in the larger sizes from 1,000 to 9,000 horsepower capacity. This increased business is being keenly contested for by continental manufacturers, and American firms have not profited from this growth in business. At the present time the largest share of the market is being obtained by a Swiss firm, Escher Wyss & Co., which has supplied some of the largest water turbines installed in the islands as well as the majority of the smaller sizes.

The largest water-turbine installation in the Netherland East Indies is the three units of 8,000-horsepower capacity each, which are located in the Mendalen plant of the N. I. W. E. M. Other large water-turbine installations are located in the Government-owned and operated plants of Lamadjan and Kratjak where two units of 9,000 horsepower each and two of 8,600 horsepower each, respectively, are located. The turbines in the Lamadjan and Kratjak plants were supplied by Gebr. Stork & Co.

Water wheels.—The number of water-wheel installations is declining yearly owing to the fact that the large hydroelectric projects have made electrical energy more widely available, thus cutting down the number of small installations. Some business is being done, however, and again the majority of it is secured by Escher Wyss & Co., although Swedish firms are obtaining a portion of it. An American water wheel was popular in the islands up until a few years ago, but at the present time its sales are practically nil, owing to the inactivity of the firm which is handling the line.

GENERATORS

Over 10 important electrical manufacturers, among them an American, are competing for a share of the trade in generators in the Netherland East Indies. The A. E. G. has supplied the largest number of generators to the public utility and Government power plants, a total of 49. A Dutch firm, with a total of 35 (Smit) is the second largest seller in these two fields. Siemens-Schuckert is the next largest supplier of generators (26), with an American firm (23) and Brown Boveri Co. (22) obtaining fourth and fifth places, respectively, in this trade. Other manufacturers obtaining a share of the generator trade are Oerlikon (15), Heemaf. (13), Bergmann (10), and A. S. E. A.