a total rating of 315,464 h.p. or $12 \cdot 4$ p.c. of all power equipment in manufacturing industries (the central electric station industry excluded). In 1930 this had increased to 993,024 h.p. or to $24 \cdot 4$ p.c. of the total power equipment in manufactures. Also the pulp and paper industry has been using an increasing amount of electricity for heating water. The capacity of electric boilers in this industry in 1931 was rated at 88,345 h.p. and the consumption of electric energy in these boilers amounted to 2,032,000,000 kilowatt hours. In pulp and paper mills practically all the electric energy is used 24 hours per day throughout the year, as against an average working day for other manufactures of 8 to 9 hours. Although the low rates are important factors in increasing the average consumption per capita for all purposes to 1,450 kilowatt hours (excluding exports), which is more than twice the average in the United States and over seven times the average in Great Britain, the large consumption by the pulp and paper industry, by mines and by electro-chemical industries are also important factors.

There are some interesting factors affecting the relative per capita consumptions of electricity from central electric stations in Canada and the United States. An abundant supply of low-priced coal in the industrial area of the United States, and no coal but an excellent supply of water power in the central provinces of Canada, tend to favour the generation of power in central stations in Canada more than in the United States. Again, the pulp and paper industry is proportionately a smaller industry in the United States than in Canada; on a power basis, the proportions are approximately 7 p.c. and 40 p.c. respectively. While the average consumption for domestic use is more than twice as high in Canada as in the United States, the total consumption for domestic or residential use is about 9.5 p.c. of the total output of central electric stations for Canada and 14 p.c. for the United States.

Year,	Number of Stations. ¹	Capital	Revenue from Sale of Power. ²	Total Horse Power. ³	Kilowatt Hours Generated.	Cus- tomers.	Persons Em- ployed.	Salaries and Wages.
		\$	\$	h.p.	(000).	No.	No.	\$
1917	805 506 510 522 532 543 595 629 601	356,004,168 401,942,402 416,512,010 448,278,642 454,669,451 556,068,752 581,780,611 628,565,093 726,721,087 756,220,066 866,825,285 956,019,603 1,055,731,532 1,188,200,016 1,229,988,951	43,908,085 47,933,490 58,436,082 58,271,622 62,173,179 67,496,893 74,616,863 79,341,584 88,933,733 104,033,297 112,326,819 122,885,446	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5,497,204	894, 158 973, 212 1,053,545 1,112,547 1,200,950 1,279,731	10,714 10,684 11,094 12,956 13,263 13,406 14,708 15,855 16,164	10,354,242 11,487,132 14,626,709 15,234,678

4.--Summary of Statistics of Central Electric Stations, calendar years 1917-31.

¹ Excluding non-generating stations in 1920 and subsequent years. ² Revised to exclude duplications. ^{*} Not including Auriliary plant equipment which is included in installation shown in central electron stations in Table 7 of the manufactures chapter, pp. 423 and 429.

Equipment of Central Electric Stations.—The main-plant primary power equipment of all central electric stations aggregated 5,706,757 h.p. in 1931. This included water wheels and turbines, steam reciprocating engines and turbines and internal combustion engines. The hydraulic power machines greatly predominated 5220-251