

Of the increase in primary power installed, manufacturing establishments accounted for 84.9 p.c. and mines for 15.1 p.c., while of the increase in electric motors operated by purchased power, manufacturing accounted for 86.1 p.c. and mining for 13.9 p.c.

The mining industry shows an uninterrupted increase in the amount of equipment operated by purchased power from 1929 to 1941, the steepness of a curve depicting this growth would show no lessening of steepness even during the worst years of the depression. The total amount of power equipment installed showed a drop in 1932, but resumed the upward trend in 1933; the same is true of the capacity of electric motors installed but that of motors operated by power generated within the establishment dropped sharply from 1930 to 1933 and did not attain a figure equal to the 1930 total until 1937, when a very sharp rise over the 1936 figures occurred. This would indicate a tendency of mining companies to rely more and more upon purchased power rather than to attempt to generate their own, a very natural tendency in northern Canada where water power is abundant and fuel scarce.

In manufacturing, a steady growth is indicated in total power equipment installed, total electric motors and in motors operated by purchased power. In the capacity of motors operated by power generated within the establishment, the figures fluctuated between 1929 and 1935 and from there rose steeply to 1942.

20.—Percentage of Electric Rating to Total Power Equipment in the Manufacturing and Mining Industries, 1930-42

NOTE.—Figures exclude central electric stations and include idle and reserve equipment. Figures for 1923-29 are given at p. 295 of the 1941 Year Book.

Year	Total Power Equipment Installed	Electric Power	
		Total Motor Capacity	Per Cent of Total
	h. p.	h. p.	p. c.
1930.....	4,548,014	3,376,103	74.2
1931.....	4,620,570	3,510,779	76.0
1932.....	4,625,002	3,559,516	77.0
1933.....	4,722,942	3,576,793	75.7
1934.....	4,850,743	3,781,779	78.0
1935.....	5,019,958	3,889,366	77.5
1936.....	5,186,506	4,059,355	78.3
1937.....	5,562,772	4,411,974	79.3
1938.....	5,844,666	4,635,423	79.3
1939.....	6,071,557	4,883,670	80.4
1940.....	6,352,775	5,136,200	80.8
1941.....	6,963,218	5,624,681	80.8
1942.....	7,070,797	5,760,164	81.5