

The preliminary preparation of pulpwood is frequently carried on at the pulp-mill, but in Canada there are a number of 'cutting-up' and 'rossing' mills operating on an independent basis, chiefly for the purpose of saving freight on material cut at a distance from the mill or on material intended for exportation. Pulpwood is measured by the cord (4' by 4' by 8' of piled material). One cord of rough pulpwood contains approximately 85 cu. ft. of solid wood, and one cord of peeled pulpwood 95 cu. ft.

Pulp Production.—Growth of pulp production was steady up to 1920, when 1,960,102 tons of pulp were produced. With the exception of 1921 and 1924, each year up to 1929 showed consistent growth in the annual production, 1929 reaching a total of 4,021,229 tons. Figures from 1931 are given in Table 9.

9.—Pulp Production, Mechanical and Chemical, 1931-45

NOTE.—Figures for earlier years will be found in the corresponding table of previous Year Books.

Year	Mechanical Pulp ¹		Chemical Fibre ¹		Total Production	
	Quantity	Value	Quantity	Value	Quantity	Value
	tons	\$	tons	\$	tons	\$
1931.....	2,016,480	37,096,768	1,086,735	46,998,988	3,167,960 ²	84,780,809 ²
1932.....	1,696,021	28,018,451	913,438	35,987,294	2,663,248 ²	64,412,453 ²
1933.....	1,859,049	25,332,444	1,120,513	38,781,630	2,979,562	64,114,074
1934.....	2,394,765	30,875,323	1,241,570	44,851,635	3,636,335	75,726,958
1935.....	2,563,711	32,323,820	1,304,630	47,398,219	3,868,341	79,722,039
1936.....	2,984,282	38,674,492	1,501,163	53,662,461	4,485,445	92,336,953
1937.....	3,384,744	46,663,759	1,756,760	70,065,469	5,141,504	116,729,228
1938.....	2,520,738	39,707,479	1,147,051	48,189,669	3,667,789	87,897,148
1939.....	2,796,093	43,530,367	1,370,208	53,601,450	4,166,301	97,131,817
1940.....	3,368,209	56,017,547	1,922,553	92,987,720	5,290,762	149,005,267
1941.....	3,550,285	61,749,788	2,170,562	113,689,763	5,720,847	175,439,551
1942.....	3,308,118	65,208,919	2,298,343	126,936,143	5,606,461	192,145,062
1943.....	3,033,751	63,721,703	2,239,079	130,797,449	5,272,830	194,519,152
1944.....	3,113,142	72,097,231	2,157,995	138,944,181	5,271,137	211,041,412
1945.....	3,393,426	86,990,626	2,207,388	144,882,496	5,600,814	231,873,122

¹ Includes screenings.

² Includes unspecified pulp.

During 1945, 77 establishments turned out 5,600,814 tons of pulp valued at \$231,873,122, as compared with 5,271,137 tons of pulp, valued at \$211,041,412 in 1944. Of the 1945 total for pulp, 3,956,182 tons, valued at \$116,404,915 were made in combined pulp and paper mills for their own use in manufacturing paper. The remainder was made for sale in Canada or for export. As in the case of pulpwood, a part of the product at this stage of the industry provides raw material for the later stages, while the remainder has a definite market value as pulp.

Over 59 p.c. of the production in 1945 was groundwood pulp and over 18 p.c. unbleached sulphite fibre, these two being the principal components of newsprint paper. Bleached sulphite, bleached and unbleached sulphate, soda fibre and groundwood and chemical screenings made up the remainder. A considerable market has developed for screenings in connection with the manufacture of rigid insulating boards.

The manufacture of the 5,600,814 tons of pulp produced in 1945 entailed the use of 7,478,508 cords of rough pulpwood valued at \$122,347,847, and the total value of materials used in the manufacture of pulp was \$140,668,147.