GROWTH OF THE PULP AND PAPER

QUTPUT FIGURES GIVEN IN REPORT SHOW INCREASE

Statistics Reveal Thriving Condition of Business whose Production was Valued at almost One Hundred Millions in 1917.

and 3,122,188 cords in 1917, exports of pulpwood having risen from 949,714 cords in 1915, to 1,017,854 cords in

The production of wood-pulp in Canada in 1917 in all classes of mills amounted to 1,464,308 tons, compared with 1,296,084 tons in 1916 and 1,074,805 tons in 1915. Of the 1917 product, 804,472 tons were used by the producing mills in the manufacture of paper, while 659,836 tons were made for sale. The amount received for pulp sold was \$32,824,626, or an average price per ton for all classes of pulp of \$49.75. The average value of the different kinds of pulp made for sale was \$28.06 for ground wood, \$72.31 for sulphite fibre, and \$68.26 for sulphate fibre. The export price of mechanical or ground wood pulp in 1917 was \$28.32 and of chemical pulp, \$73.01. The value of the entire output of wood-pulp if calculated at the average price per ton realized for that portion which was sold would be \$72,849,323.

RAW MATERIALS

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The consumption of pulp-wood in all mills making pulp, whether purchased or cut from own limits, was 2,104,334 cords of the value of \$18,817,483 in 1917 as compared with 1,764,912 cords valued at \$13,104,458 in 1916 and 1,405,836 cords valued at \$9,426,217 in 1915, or an increase of 688,498 cords, or nearly 49.7 per cent, in the two year period. The average price per cord was \$6.71 in 1915, \$7.42 in 1916, and \$8,94 in 1917, an increase of \$2.23 per cord or nearly 33.2 per cent in the two years.

The order of importance of the five provinces remained the same as in 1916, Quebec leading with 1,109,869 cords or over half the total. Ontario was second with 735,691 cords or over a third of the total. British Columbia was third with 134,814 cords, New Brunswick fourth with 105,586 cords, and Nova Scotia last with 18,374 cords. The quantity of pulpwood consumed in each province is an increase in every case as is the average value per cord of wood.

Spruce continues to lead all classes of wood, being 79.7 per cent of the total in 1917, balsam fir and hemlock being next in order of importance. These three woods all show increases from 1916, Poplar and pine show decreases from the preceding year and tamarack and cedar are reported from British Columbia for the first time in several years.

The greatest proportion of the wood used still goes into the manufacture of ground wood-pulp although the three chemical processes are making heavier demands on the wood supply each year. In 1915, 52.9 per cent of the wood was used in making ground wood-pulp. In

The report on the pulp and paper industry of Canada in the Census of Industry series, just issued by the Dominion Bureau of Statistics, shows a considerable growth when the statistics in the present report are compared with those of 1915.

In 1915 the number of active mills was 80, and the value of production \$40,348,001. In 1917 there were 83 mills in operation, with a production of \$96,340,327, an increase in the latter year of nearly 140 per cent, as shown in the report.

Another important measure of growth, according to the report, is found in the consumption of pulp-wood which in 1915 was 1,405,836, and in 1917 was 2,104,334 cords, or an increase of nearly 50 per cent during the same period. The total cut of pulp-wood was 2,355,550 cords in 1915, exports of

For the mechanical process the highest average number of pounds of pulp produced per cord of wood was 2,305 in British Columbia and the lowest 1,818 in Nova Scotia the average for the Dominion being 2,043 pounds per cord. By the sulphite process in the manufacture of paper the highest average 1,137 pounds is again found in British Columbia, and lowest 961 pounds in Ontario, the average for the Dominion being 1,063 pounds. The sulphate process shows highest in Ontario with 1,176 pounds and lowest in Quebec with 1,063 pounds, the average for the Dominion being 1,105 pounds, The soda process shows the lowest production, viz. 930 pounds per cord.

The quantity and value of pulp used in

Book and writing paper Wrapping paper

the manufacture of paper, whether produced or purchased, includes ground wood, 617,029 tons with a cost valuation of \$9,984,597; sulphite fibre, 239,129 tons valued at \$10,613,617; sulphate fibre, 28,822 tons valued at \$1,773,029; and soda fibre, 6,001 tons of a value of \$448, 746. The value of other materials used, such as rags, old or waste paper, alum, etc., was \$5,797,445. The total cost of all materials used was \$28,617,434.

CAPITAL INVESTED.

The report shows a total capital investment of \$186,787,405, of which \$84,609,584 was in Quebec, \$72,006,972 in Ontario, and \$22,584,652 in British Columbia. Land and buildings represent of \$84,461,837, machinery of \$59,266,596, whilst working capital was \$15,156,506.

Over 76 per cent of the total investment is in the class of combined mills, 19 per cent in mills producing pulp only and nearly 5 per cent in mills making paper only.

Each province shows an increase in capital over 1915 except Nova Scotia,

Where the decrease amounted to \$199,-030. British Columbia's capital investment rose from \$8,344,416 in 1915 to \$22,584,652 in 1917; New Brunswick from \$3,927,858 to \$7,136,277; Ontario from \$57,173,623 to \$72,066,772, and The average total capital invested in pulp mills was \$1,057,610; in pulp and paper mills, \$323,241.

The total yearly capacity of mills making ground wood-pulp in the Dominion was 1,088,431 tons, dry weight, of which Quebec's equipment represented \$57,250 tons, or 32'8 per cent, followed by British Columbia with 100,600 tons, or 9'2 per cent, New Brunswick from \$3,927,858 to \$7,136,6277; Ontario from \$57,173,623 to \$72,066,972, and The average total capital invested in pulp mills was \$1,057,610; in pulp and spaper mills, \$323,241.

The total yearly capacity of mills making ground wood-pulp in the Dominion was 1,088,431 tons, or 32'8 per cent, Solve with 21,145 tons or 19 per cent, and Nova Scotia with 8,000 tons or less than one per cent. The actual output of ground wood-pulp in 1917 was 923,731 tons.

The quantities and values of the different

| | | | | | | | | | | | | | Tons. | value. |
|---|--|---|---|---|---|---|---|--|----|---|--|--|---------|--------------|
| | | | , | | | | | | | | | | 689,847 | \$38,868,084 |
| | | | | | * | * | 3 | | | Ö | | | 48,141 | 9,310,138 |
| | | | | | | | | | G, | | | | 50,360 | 5,646,750 |
| | | * | * | | | | | | | 6 | | | 54,080 | 3,543,164 |
| | | | | | | | | | j, | | | | 11,261 | 1,487,122 |
| ٠ | | | | * | | | | | | | | | | 3,438,107 |

The average value per ton for each group was as follows: Newsprint, \$56.35; book and writing papers, \$193.40; wrapping paper, \$112.12;

1915 1917

| \$ 74,383,608 | \$84,461,837 | \$10,078,229 |
|---------------|--------------|--------------|
| 31,856,265 | 59,266,596 | 27,410,331 |
| 17,254,317 | 27,902,466 | 10,648,149 |
| 10,242,613 | 15,156,506 | 4,913,893 |

IMPORTS AND EXPORTS.

The total quantity of wood pulp exported in 1917 was 511,803 tons of the value of \$26,129,906, of which 250,043 tons valued at \$7,082,206 was mechanical, and 261,760 tons valued at \$19,110,700 was chemical pulp. There was a decided falling off in the exports of

\$133,736,803 \$186,787,405 \$53,050,602 mechanical pulp, amounting to 79,709 tons, though the value shows an increase of \$1,432,841. On the other hand, there was a marked increase in the export of chemical pulp, amounting to 32,613 tons, and a correspondingly marked increase in the value amounting to \$7,-415,823. More than 92.5 per cent of the quantity and 83 per cent of the value of all pulp was exported to the United States. The average value per ton for all kinds of pulp exported was \$51.17 in 1917, as compared with \$31.03 in 1916 and \$25.48 in 1915. Mechanical pulp rose from \$15.67 per ton in 1915 to \$17.13 in 1916 and \$28.32 in 1917. Chemical pulp, which was \$38.36 per ton in 1915, rose to \$51.04 in 1916 and \$73.01 in 1917.

No pulpwood is imported into Canada. \$133,736,803 \$186,787,405 \$53,050,602

The total value of paper imported increased from \$2,402,557 in 1915 to \$4,-204,968 in 1917. The total value of paper exported in 1915 was \$18,430,013, while the total value exported in 1917 was \$35,774,636. That is, our imports of paper in 1917 increased in value over those of 1915 by \$1,802,411, or by 75 per cent, while our exports of paper in the same period increased by \$17,-344,623, or by 94'1 per cent.

AND 1917 BY PROVINCES.

| Schedule. | | LULIA | | 1916, | | |
|-------------------|-----------------------------------|--------------------------------------|----------------------|-------------------------------------|---------------------------------------|----------------------|
| | Quantity. | Value. | Value per | Quantity. | Value. | Value per |
| Canada. | Cords. | 8 | 8 | Cords. | \$ | \$ |
| Production | 2,355,550 1,405,836 9490714 | 15,590,330 9,426,217 6,164,113 | 6.71 | 2,833,119 1,764,912 1,068,207 | 19,971,127 13,104,458 6,866,669 | 7:05 7:42 6:43 |
| Quebec. | | | | | | |
| Production | 1,322,231 697,962 624,269 | 8,348,525 4,237,033 4,111,492 | 6·31 6·06 6·59 | 1,711,151 924,272 786,879 | 12,037,603 6,840,489 5,197,114 | 7·03 7·40 6·60 |
| Ontario. | | | | | | |
| Production | 682, 866 480, 627 202, 239 | 5,063,618 3,806,804 11,256,814 | 7·42 7·92 6·21 | 787,357 637,612 149,745 | 5,931,450 5,016,425 915,025 | 7·53 7·87 6·1 |
| New Brunswick. | | | | | | |
| Production | 235,738 115,842 119,896 | 1,503,346 732,521 770,875 | 6·38 6·32 6·43 | 207,324 79,594 127,730 | 1,317,998 591,705 726,293 | 6·36 7·43 5·69 |
| British Columbia. | | | | | | |
| Production | 90,535 90,535 | 550,809 550,809 | 6:08 | 109,115 108,997 118 | 580,153 579,799 354 | 5·32 5·32 3·54 |
| Nova Scotia. | | | | | | |
| Production | 24,180 20,870 3,310 | 124,032 99,050 24,982 | 5·13 4·75 7·55 | 18,172 14,437 3,735 | 103, 923 76, 040 27, 883 | 5·72 5·27 7·47 |

PRODUCTION, MANUFACTURE AND EXPORTS OF PULP-WOOD COMPARED FOR THE CALENDAR YEARS 1915, 1916

Pulp Mills in Canada.

The report on the pulp and paper industry prepared by the Dominion Bureau of Statistics shows that during the year 1918 there were in operation in Canada 101 mills producing pulp and paper, 37 of which were in Ontario, 45 in Quebec, 7 in Nova Scotia, 6 in New Brunswick, and 6 in British Columbia.

U.S. Tourists' Prospect.

Canada should at once pay attention to the big stream of American tourists who, according to the information received by the Canadian Trade Commission at Ottawa, will this year be unable to go to Europe, Mexico or South America, and who do not want to go to their own West.

Buy Canadian Goods.

The Canadian Trade Commission be-lieves that buying Canadian-made goods at home, together with more exporting, will solve the war-debt problem.