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FOREST PRODUCTS BRANCH

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TOTAL FOREST PRODUCTION, 1924.

An estimate of the total primary forest production in Canada for 1924 has been made by the Forest Products Branch of the Dominion Bureau of Statistics. This estimate includes all unmanufactured material cut in Canada's forests during the year and shows the rate at which our forest resources are being exploited.

As in previous years, logs and bolts for domestic manufacture, the raw material of the saw-milling and allied industries, head the list of products for Canada as a whole with a total value exceeding eighty three million dollars. These logs and bolts also head the lists, as far as value is concerned, in the provinces of British Columbia, Ontario and New Brunswick. Pulpwood for use in Canada's pulp and paper mills comes second on the list for the Dominion with a total value exceeding forty-four millions. Pulpwood is the most valuable item of forest production in the province of Quebec. Firewood, with a total of over thirty-nine million dollars comes third on the list for the Dominion as a whole but heads the list in the three Prairie Provinces, Nova Scotia and Prince Edward Island. Pulpwood for export, with a total value of thirteen and a half million; railway ties with fourteen million; logs for export with almost five million; square timber with three million and telegraph and telephone poles with over three and a half million dollars are among the more important of the other items. The total estimated value of all these primary forest products is $213,146,710, an increase of 7.9 per cent over the estimated value for 1923.

An attempt has been made to estimate the extent to which our forests are depleted annually in the process of exploiting these materials. For this purpose certain converting factors based on actual measurements have been used. Each of these factors represents in cubic feet the quantity of standing timber that must be cut in the forest in order to produce one unit of the material in question, based on the total cubic contents of the tree. By the use of these factors it has been estimated that our total primary forest production in 1924 involved the cutting of 3,808,506,073 cubic feet of standing timber. This constitutes only the consumption for use and to it must be added the volume of material destroyed by fire, insects, fungi, windfall and other destructive agencies which would bring the total depletion to more than five billion cubic feet per annum.

TOTAL FOREST PRODUCTION, 1934 - Con.

Comparing forest products on the basis of equivalent volume of standing timber we find that logs and other raw materials for sawmilling head the list for the Dominion as a whole and form the most important items in British Columbia and New Brunswick. The production of firewood is the next most important item in this respect but as this is made up chiefly of inferior material of smaller sizes than in the case of saw logs, it is a less serious drain on our forest resources and often forms a valuable outlet for material that might otherwise be left in the woods to increase the fire menace. Firewood heads the lists as far as volume is concerned in the provinces of Quebec, Ontario, Nova Scotia, Prince Edward Island and the three Prairie Provinces. Pulpwood for use in Canadian pulp mills is the next most important item for the Dominion and comes third in the provinces of Quebec and Ontario. Other forest products in order of importance from the volume standpoint are railway ties, pulpwood for export, logs for export, square timber for export, posts, round mining timber, rails, poles and wood for distillation.

The province of Quebec heads the list for forest production both for value of material produced and for its equivalent in standing timber. It heads the list in the production of pulpwood both for domestic use and for export and also in the production of firewood, square timber, fencing materials and miscellaneous products and exports. It comes second on the list of provinces for the production of railway ties, logs for export and wood for distillation. Ontario is the second most important province on the list for total production, leading in the production of railway ties and wood for distillation and taking second place in the production of logs and bolts for saw mills, pulpwood for domestic use and export, firewood, square timber, poles, and miscellaneous products. British Columbia comes third on the list for total production, but leads in the production of logs and bolts for domestic use and export and telegraph and telephone poles. This province comes second on the list in the production of round mining timber. New Brunswick and Nova Scotia come next in order, being important producers of logs, pulpwood and firewood, Nova Scotia is the most important producer of round mining timber in the Dominion. Forest production in the three Prairie Provinces and Prince Edward Island is made up chiefly of firewood, logs and fencing materials together with pulpwood in Manitoba and round mining timber in Alberta.

Under the item "Miscellaneous products" are included piling, boom timber, masts, spars, knees and futtocks, tan bark and minor products. Under "Miscellaneous exports" are included stave, shingle and lath bolts, match blocks, masts, etc., piling, hop and hoop poles and tanbark. The total exportation of unmanufactured (and in some cases partly manufactured) products from Canada during the calendar year 1934 was valued at $29,160,823 and represented approximately 319,376,763 cubic feet of standing timber. This exported material forms 15.7 per cent of the total value and 11.4 per cent of the total equivalent volume in standing timber of our total primary forest production. It was made up chiefly of pulpwood with smaller quantities of logs, square timber, railway ties, poles, fuel, posts and the miscellaneous products already mentione .

TOTAL FOREST PRODUCTION, 1924 - Con.

Table 2.- Primary forest production, by provinces, 1923 and 1924.

Provinces	Equivalent volume in standing timber		Total Value	
	1923	1924	1923	1924
	cubic feet	cubic feet	$	$
CANADA.....	2,671,054,862	2,808,506,073	197,459,331	213,146,710
Quebec.....	867,638,706	883,431,884	65,065,810	68,597,165
Ontario.....	725,269,084	760,725,859	58,813,733	64,911,097
British Columbia.....	550,927,540	618,579,218	40,815,407	42,732,541
New Brunswick.....	220,302,953	240,630,113	17,718,437	20,519,589
Nova Scotia.....	107,414,329	122,937,591	6,570,349	7,962,289
Alberta.....	56,411,104	59,643,950	2,922,989	2,758,473
Saskatchewan.....	77,755,075	49,896,400	2,754,014	2,093,805
Manitoba.....	50,387,169	57,100,646	2,132,220	2,861,094
Prince Edward Island...	14,948,902	15,554,412	666,372	710,657

Table 3.- Review of total value of primary forest production, by products, 1920 to 1924.

Products	1920	1921	1922	1923	1924
	$	$	$	$	$
TOTAL.....	213,940,869	168,054,024	170,850,096	197,459,331	213,146,710
Logs and bolts sawn...	91,527,134	51,035,456	55,066,273	69,352,821	83,141,692
Pulpwood used.....	45,404,889	38,283,262	40,375,599	43,594,592	44,241,582
Firewood.....	36,262,151	37,468,330	38,228,702	38,723,272	39,336,771
Pulpwood exported....	15,778,171	14,617,610	10,359,762	13,525,004	13,536,058
Railway ties.....	13,405,473	13,302,956	13,215,986	13,228,547	14,251,450
Logs exported.....	1,836,315	2,117,097	3,270,575	5,095,168	4,855,298
Square timber exported	1,899,444	1,699,530	1,492,344	4,037,030	3,317,225
Telegraph and telephone poles.....	1,712,000	1,710,000	1,707,378	2,998,852	3,621,415
Round mining timber..	#	1,709,667	1,721,025	1,615,667	1,296,710
Fence posts.....	1,334,737	1,514,473	1,354,268	1,423,478	1,414,363
Wood for distillation	#	563,774	479,299	540,541	562,525
Fence rails.....	376,690	468,417	450,133	444,189	452,377
Miscellaneous exports	2,648,474	2,550,470	2,278,674	1,723,683	2,281,013
Miscellaneous products.....	1,755,391	1,012,982	850,078	1,156,487	838,231

Included under miscellaneous products.