

A special article dealing with Noxious Forest Insects and Their Control appears in the Year Book 1947, pp. 389-400. A detailed account of the activities in forest pathology in Canada may be found in the Year Book 1948-49, pp. 416-417.

Section 6.—Forest Utilization

Forest utilization is concerned with the many industries employed in the hewing down of timber in the forest and the transforming of it into the numerous utilitarian shapes and forms required in modern living. The basic industries provide the raw material for sawmills, pulp and paper mills and for the wide range of secondary industries that convert the products of the basic industries into more highly manufactured goods such as veneers and plywoods, sash and doors, furniture and all the vast range of industries that use wood in any form in their processes. These industries, especially the pulp and paper industry and the lumber industry, contribute substantially to the value of Canada's export trade and thereby provide the exchange necessary to pay for a large share of the imports that have to be purchased from other countries, particularly the United States.

Subsection 1.—Woods Operations

In connection with operations in the woods, it should be borne in mind that the forests not only provide the raw materials for the sawmills, pulp-mills, wood distillation, charcoal, excelsior and other plants, but that they also provide logs, pulpwood and bolts for export in the unmanufactured state, and fuel, poles, railway ties, posts and fence rails, mining timber, piling and other primary products which are finished in the woods ready for use or exportation. A number of minor forest products go to swell the total, such as Christmas trees, maple sugar and syrup, balsam gum, resin, cascara, moss and tanbark.

It has been estimated that operations in the woods during the logging season in 1949 gave employment amounting to 37,836,000 man days, and distributed \$321,000,000 in wages and salaries.

8.—Values of Woods Operations, by Products, 1944-49

Product	1944	1945	1946	1947	1948	1949
	\$	\$	\$	\$	\$	\$
Logs and bolts.....	115,788,036	120,682,306	150,933,681	205,259,855	215,108,932	207,789,335
Pulpwood.....	124,363,926	146,172,701	183,085,359	237,488,741	284,656,819	270,697,980
Fuelwood.....	44,332,748	45,193,219	49,544,756	46,206,336	49,535,855	48,816,965
Hewn railway ties.....	1,289,165	1,339,920	1,131,951	1,177,806	1,303,596	917,033
Poles.....	5,217,255	5,663,793	5,302,324	8,404,809	13,116,480	11,485,488
Round mining timber.....	3,509,015	6,437,074	12,149,767	10,082,458	10,268,435	10,376,305
Fence posts.....	2,216,585	2,690,569	3,091,268	2,832,783	2,489,286	2,640,576
Wood for distillation.....	887,260	687,102	452,196	544,746	497,286	467,997
Fence rails.....	513,135	367,741	605,503	628,804	591,484	644,844
Miscellaneous products.....	3,453,698	5,090,476	6,972,509	7,177,790	8,726,895	7,575,539
Totals.....	301,570,823	334,324,901	413,269,314	519,804,128	586,295,068	561,412,062