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DOMINION BUREAU OF STATISTICS.

Ottawa, March, 1920.

THE WOOD DISTILLATION INDUSTRY. 1918.

The Dominion Bureau of Statistics has completed a preliminary report of the wood distillation industry in Canada for the calendar year 1918. The report covers the operations of 13 plants of which 8 were located in Ontario, and 5 in Quebec. There is one refinery in each province.

Capital Investment.

The total amount of capital invested in the industry was \$3,612,573, of which Ontario's proportion was \$2,321,881 and Quebec's \$1,290,692. The items comprising capital were - land, buildings and fixtures \$1,101,227; machinery and tools \$1,742,984; materials on hand, stocks in process, finished products, fuel and miscellaneous supplies \$757,101, and cash, trading and operating accounts and bills receivable \$11,261.

Employees, Salaries and Wages.

The number of persons employed by classes and by sex, together with the amounts paid in salaries and wages are given in the following table -

Classes of employment	Number employed		Salaries and Wages
	Male	Female	
Officers, superintendents, managers	16	-	25,470
Clerks, stenographers and other salaried employees	12	1	11,420
Wage earners, average number	625	1	675,905
Outside piece-workers	20	-	18,640
Totals	673	2	731,435

The number of employees within specified groups of classified weekly wages on the 15th of December are given below -

Specified Groups	Males	Females
Under \$10 per week	1	1
From \$10 to under \$15 per week	2	2
From \$15 to under \$20 per week	226	-
From \$20 to under \$25 per week	301	-
Over \$25 per week	111	-
Totals	661	3

Fuel and Miscellaneous Expenses.

Fuel consumption.- The total charge for all classes of fuel used during the year amounted to \$839,966, of which \$67,954 was of Canadian origin and \$772,012 of foreign origin. By classes, coal was the chief item with a tonnage of 91,381 and value of \$806,720; wood being next with 4,074 cords worth \$22,548, and fuel unspecified to the value of \$10,698.

Miscellaneous expenses.- The cost of miscellaneous expenses during the year was \$365,789, itemized as follows: rent of offices, works and machinery \$982; rent of power \$11,381; insurance premiums \$9,562; taxes (internal revenue, war, etc.) \$16,027; taxes (provincial, municipal, etc.) \$7,971; travelling expenses \$814; ordinary repairs to buildings and plant \$256,107, and all other sundry expenses \$62,945.

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Materials used.

The quantity and cost value of all materials delivered at the works during the year are given in the subjoined table-

Materials used	Unit of measure	Quantity	Cost value at works.
Hardwoods	cords	128,097	1,321,893
Lime	bushels	140,420	57,423
Crude wood alcohol for further process of manufacture	gallons	1,081,837	1,071,227
Acetate of lime for further process of manufacture	pounds	20,868,427	889,675
Caustic soda	"	186,900	7,709
Sulphuric acid	"	1,050,240	11,527
Soda ash	"	234,191	13,637
Other miscellaneous materials	"	445,986	6,640
Total cost			\$3,319,731

Products.

The quantity and the value of the various products of the industry at the point of production are given in the following table -

Classes of products	Unit of measure	Quantity	Selling value at works.
Wood alcohol, crude, (sold as such)	gallons	875,024	981,535
Wood alcohol, refined, (sold as such)	"	1,070,928	1,531,356
Acetate of lime	pounds	25,998,139	1,017,465
Acetic acid	"	1,772,223	170,173
Acetate of soda	"	295,572	51,389
Acetone	"	3,458,810	909,570
Formaldehyde	"	1,154,902	159,263
Ketone oils	"	792,864	211,440
Acetic anhydride	"	44,981	60,515
Methyl acetate	"	132,121	29,350
Charcoal	bushels	6,472,925	1,575,701
All other miscellaneous products		-	537,460
Repairs to machinery and plants by own employees			398,905
Total value of production			\$7,634,122

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