Wood dist Historical File Cooperato, Canada

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OTTAWA - CANADA

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ANNUAL INDUSTRY BULLETIN

CHEMICALS AND ALLIED PRODUCTS GROUP

THE HARDWOOD DISTILLATION INDUSTRY, 1936.

Products made in Canada from the distillation of hardwoods were valued at \$857,647 in 1936 compared with \$805,756 in 1935, an increase of 6 per cent. Five distillation plants and 1 refinery were in operation throughout the year.

The chief products of the distillation plants where charcoal, grey acetate of lime and crude methyl hydrate, but in one instance some grey acetate of lime was further processed to make acetone and acetone oils. Most of the crude methyl hydrate was shipped to Montreal for refining and for making columnian spirits and formaldehyde.

The number of employees in 1936 was 176 and payments in salaries and wages amounted to \$138,151. Capital employed was reported at \$2,064,721. Fuel and electricity cost \$93,437 and materials for manufacturing cost \$406,690.at the works. The latter figure included 47,050 cords of hardwood worth \$245,267, crude methyl hydrate for refining amounting to 314,838 gallons at a cost of \$151,122, and other materials valued at \$10,301.

Table 1 - PRINCIPAL STATISTICS OF THE HARDWOOD DISTILLATION INDUSTRY, 1920 - 1936.

			Average		Cost of		Selling
	Number	Capital	number	Salaries	fuel and	Cost of	value of
Years	of	employed	of em-	and	electricit	ty materials	products
	plants		ployees	wages	at works	at works	at works
		\$		\$	\$	\$	\$
1920	13	4,005,022	585	678,785	618,161	2,097,925	4,899,704
1921		2,693,924		326,921	221,734	1,110,220	2,201,388
1922		3,241,389	291	287,812	196,258	932,276	1,892,911
1923		2,790,149	316	328,168	277,556	976,174	2,726,998
1924		2,762,563		381,232	248,816	1,055,303	2,272,484
1925		2,264,447	306	234,996	191,584	846,287	1,970,430
1926		2,193,622		211,388	183,414	826,125	1,712,169
1927		1,889,004	288	271,088	202,743	863,717	1,571,176
1928		1,870,040		241,363	199,525	824,322	1,630,609
1929		2,028,757		252,281	169,264	736,954	1,680,332
1930		2,263,181	167	160,928	105,668	504,323	1,195,986
1931		1,644,073	123	119,132	68,712	379,147	700,937
1932		1,572,391		98,839	71,970	320,457	607,394
1933		2,036,570	138	113,433	91,001	454,298	669,120
1934		1,645,950		128,663	102,821	457,205	774,767
1935		2,064,215		135,011	113,885	420,866	805,756
1936		2,064,721		138,151	93,437	406,690	857,647

Marie Marie de La					46-0-3
		-2-			and the second
Table 2 - EMPLOYEES, SALARIES AM			1936.		mom / I
AVERAGE NUMBER OF)	Salaries	Wages	TOTAL SALARIES
	rages Female	TOTAL	balaries	nages	and WAGES
mare Temate mare			\$ ************************************	\$	\$
1930 15 152	2 000	167	33,293	127,635	160,928
1931 13 110		123	28,112	91,020	119,132
1932 10 88		98	26,957	71,882	98,839
1933 10 128		138	16,205	97,228	113,433
1934 10 155 1935 11 157		165 168	16,200	112,463	128,663 135,011
1935 11 157 1936 13 163		176	21,941	116,210	138,151
1300 10	, , , , ,		, , , , , , , , , , , , , , , , , , ,	110,010	
Table 3 - WAGE-EARNERS, BY MONTH	19 1925 an	d 1926			
1935	1936	14 1200	•]	1935 1936
Months Male	Male		Months	_	Male Male
January 206	209		July		79 101
February 198	205		August		86 80 98 149
March 193 April 183	178		September		175 175
April 183 May 145	170		November		177 185
June 163	141		December		187 213
			Average		157 163
			22 02 05		
Table 4 - FUEL AND ELECTRICITY U	ISED. 1935	and 19	36.		
18016 4 - POED AND EDBOTHIOLIT	TODA, LOCO		1 9 3 5	1	9 3 6
Kinds	Unit of		Cost	et	Cost at
	measure	Qua	ntity work	s Quanti	
			\$	000 000	\$
Bituminous coal - Canadian			2,746 18,4		
Wood (for fuel only)		IS	9,164 57,4 4,131 13,6		
Other fuel	XXX		13,3		7.0 47.4
Electricity purchased		6	56,776 10,9		
TOTAL			113,8		. 93,437
401000000000000000000000000000000000000	Albert San				
Table 5 - POWER EQUIPMENT, 1935	and 1936.				
		1 9			3 6
Kinds	Numbe		Total rated	Number of	Total rated
	uni	ts	horse power	units	horse power
Steam engines and steam turbines	3	4	127	4	127
Total Primary Equipment		4	127	4	127
Electric motors run by purchased					
power		23	321	23	321
TOTAL POWER EMPLOYED		27	448	27	448
Electric motors run by primary p					
in same plant		2	30	2	16
Total Electric Motors		25	351	25	337
TOTAL ELECTRIC MOTOLS				- quantification on the guide spectropes from the dis-	
Boilers		24	3,658	24	3,650

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Table 6 -	MATERIALS	USED.	1935	and	1936.
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	1300.	1 9	3 5	1 9	3 6
Materials	Unit of		Cost at		Cost at
	measure	Quantity	works	Quantity	works
			\$		\$
Purchased materials:-					Sense STar
Hardwoods		38,372	250,849	47,050	245,267
Lime		29,186	9,779	28,368	9,749
Other			24,802	***	552
Total purchased	XXX	• • •	285,430	* * *	255,568
Totavalent objaments:					
Interplant shipments:- Crude methyl hydrate	Imp.gal.	282.159	135,436	314,838	151,122
Total interplant			135,436		151,122
TOTAL - ALL MATERIALS		• • •	420,866	0 0 0	406,690
TOTAL - ALL MATERIALD	• • • • • • • • • • • • • • • • • • • •		120,000		100,000
Table 7 - PRODUCTS MANUFACTURED, 1	035 and 10:	3.6			
Table / - / Tobbotto marror actorization	Joo and 13.	1 9	3 5	1 9	3 6
			Selling		Selling
Products	Unit of		value at		value at
	measure	Quantity	works	Quantity	works
			\$		\$
Wada Caa Cola					
The state of the s					
Charcoal		2,013,104	307,585	1,991,575	
Charcoal	1b.	4,372,471	48,149	4,892,291	73,423
Crude methyl hydrate	lb. Imp.gal.	47,862	48,149 26,299	4,892,291 47,735	73,423
Crude methyl hydrate	lb. Imp.gal. Imp.gal.	4,372,471 47,862 250,176	48,149 26,299 187,632	4,892,291 47,735 302,650	73,423 26,623 233,041
Charcoal	lb. Imp.gal. Imp.gal. xxx	47,862	48,149 26,299 187,632 90,460	4,892,291 47,735	73,423 26,623 233,041 64,853
Crude methyl hydrate	lb. Imp.gal. Imp.gal. xxx	4,372,471 47,862 250,176	48,149 26,299 187,632	4,892,291 47,735 302,650	73,423 26,623 233,041 64,853
Charcoal	lb. Imp.gal. Imp.gal. xxx	4,372,471 47,862 250,176	48,149 26,299 187,632 90,460	4,892,291 47,735 302,650	73,423 26,623 233,041 64,853
Charcoal	Imp.gal. Imp.gal. xxx xxx	4,372,471 47,862 250,176	48,149 26,299 187,632 90,460 660,125	4,892,291 47,735 302,650	73,423 26,623 233,041 64,853 694,045
Charcoal	lb. Imp.gal. Imp.gal. xxx xxx	4,372,471 47,862 250,176 816,372	48,149 26,299 187,632 90,460	4,892,291 47,735 302,650 	73,423 26,623 233,041 64,853 694,045
Charcoal	lb. Imp.gal. Imp.gal. xxx xxx lb. Imp.gal.	4,372,471 47,862 250,176	48,149 26,299 187,632 90,460 660,125	4,892,291 47,735 302,650	73,423 26,623 233,041 64,853 694,045 7,583 135,954
Chercoal	lb. Imp.gal. xxx xxx Ib. Imp.gal. Imp.gal.	4,372,471 47,362 250,176 816,372 305,772	48,149 26,299 187,632 90,460 660,125 8,164 137,467	4,892,291 47,735 302,650 758,324 302,054	296,103 73,423 26,623 233,041 64,853 694,045 7,583 135,954 20,065 163,602
Grey acetate of lime	lb. Imp.gal. xxx xxx lb. Imp.gal. Imp.gal. xxx	4,372,471 47,862 250,176 816,372 305,772	48,149 26,299 187,632 90,460 660,125 8,164 137,467	4,892,291 47,735 302,650 758,324 302,054 33,440	73,4: 26,6: 233,04 64,8: 694,04 7,5: 135,9: 20,00

⁽b) Includes interplant shipments and products made and used again in same works.

Table 8 - TOT			the same of the sa		936 (from all	industries)
	In the wood		In the char			
Years	tillation in	dustry	burning ind	dustry	TOTA	L
	Pounds	\$	Pounds	\$	Pounds	\$
1929	40,257,792	600,127	8,036,109	74,120	48,293,901	674,247
1930	29,665,536	401,363	9,105,560	78,505	38,771,096	479,868
1931	24,560,656	331,287	11,191,952	92,718	35,752,608	424,005
1932	20,438,928	255,487	11,521,569	70,595	31,960,497	326,082
1933	29,118,096	232,339	8,037,771	41,227	37,155,867	273,566
1934	28,917,008	271,006	7,953,926	48,248	36,870,934	319,254
1935	32,209,664	307,585	8,231,286	50,661	40,440,950	358,246
1936	31,869,650	296,103	NOT	YET	AVAILABLE.	



Table 9 - IMPORTS INTO CANADA AND EXPORTS OF CHARCOAL, METHYL HYDRATE, ETC.,

1935 and 19	300.				
And the state of t		1 9	3 5	1 9	3 6
Items		Imports	Exports	Imports	Exports
Methyl hydrate (wood alcohol) ga	al.		3,846		7,950
\$		9 8 8	1,922		2,356
Charcoal to	ons	1,078		817	
\$	\$	19,237	0 0 0	17,791	
Acetate of lime cw	Nt.	1	27,433		63,550
\$		28	45,570	0 0 0	83,620
Acetic and pyroligneous acid ga	al.	535		1,838	• • •
*	#	1,178		2,305	
Formaldehyde containing not more than					
15% alcohol \$	₽ .	60,419		52,979	
Methyl alcohol to be used in denaturing					
alcohol for use in the arts and in-					
dustries and for fuel, light and power -					
proof gal.					8 0 0
*	Þ	• • •	0 0 0	0 0 0	
Mixtures of methyl alcohol and other					
ingredients when imported by tanners					
for use exclusively as a solvent for dyes for the dyeing of leather in					
their own factories proof gal.		6,402		6,401	0.00
bileti owii idolorieb proof gare		1,986	• • •	2,134	
		-,			

LIST OF HARDWOOD DISTILLATION PLANTS IN CANADA, 1936.

Names of Firms	Location of Plants	Main Products, 1936
Canadian Industrial Alcohol Company, Ltd.	Head Office - 910 Canada Cement Bldg., Montreal, P.Q. Plant - Lindsay, Ont.	Charcoal, grey acetate of lime, crude methyl hydrate.
Standard Chemical Co. Ltd.	Head Office - 200 Bay St., Toronto, Ont. Plants - Donald, Ont., Longford, Ont., South River, Ont. Fassett, P.Q., and Montreal, P.Q. (refinery)	Charcoal, grey acetate of lime, crude methyl hydrate, refined methyl hydrate, formaldehyde, columnian spirits, acetone, and acetone oils.