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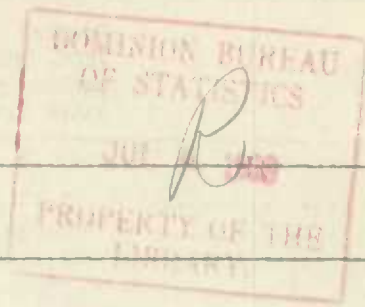
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CENSUS OF INDUSTRY
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA



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ANNUAL INDUSTRY BULLETIN

CHEMICALS AND ALLIED PRODUCTS GROUP

THE COAL TAR DISTILLATION INDUSTRY, 1957

Output from the Coal Tar Distillation Industry in Canada was valued at \$3,599,541 in 1957 compared with \$2,942,255 in 1956, an increase of 15.5 per cent. The same 10 establishments were in operation as in the preceding year but the number of employees increased to 254 from 216, payments for salaries and wages advanced to \$557,744 from \$287,819, the cost of materials rose to \$2,189,237 from \$1,516,122, and expenditures for fuel and electricity increased to \$170,910 from \$134,060.

The quantity of crude tar used in 1957 was given at 27,284,969 imperial gallons and the cost at \$1,665,243 delivered at the works compared with 22,361,619 gallons at \$1,278,285 in 1956. The main products were: creosote oils, pitch, refined tar, tarred felts and sheathings, pitch coke, protective paints, and tar derivatives such as phenol, cresol, cresylic acid, etc. The detailed statistics of production are not published as there are only three producing companies in this field.

Imports of crude coal tar were slightly higher than in 1956, the total for 1957 being 2,005,511 gallons worth \$131,649 as against 1,919,125 gallons at \$115,507 in the previous year. Foreign purchases of carbolic or heavy oils increased to 1,142,366 gallons at \$174,658 from 573,916 gallons at \$55,359 in 1956, and the imports of coal pitch advanced to 4,140 tons worth \$53,923 from 3,478 tons worth \$46,553 in 1956.

Exports of creosote oil were much higher at 1,575,621 gallons valued at \$244,787 in 1957 compared with 186,420 gallons at \$34,069 in 1956, and other coal tar oils increased slightly to 4,972,712 gallons at \$546,365 from 4,541,700 gallons at \$527,518. Exports of coal tar and pitch declined to 2,140,349 gallons valued at \$135,531 from 3,032,501 gallons at \$155,870 in 1956.

Table 1 - PRINCIPAL STATISTICS OF THE COAL TAR DISTILLATION INDUSTRY IN CANADA, 1929 - 1957.

Years	Number of distilleries	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
1929	10	4,982,353	242	553,970	125,019	2,658,555	3,818,050
1930	10	5,042,573	221	325,116	134,062	2,318,329	3,534,066
1931	10	5,013,678	193	293,043	101,883	1,850,751	2,576,102
1932	10	5,168,775	181	247,153	89,653	1,582,425	2,114,650
1933	10	5,031,890	183	272,439	74,186	1,076,277	1,672,299
1934	10	5,272,026	202	320,055	115,085	1,366,641	2,004,715
1935	10	4,725,668	204	273,279	131,391	1,523,137	2,606,358
1936	10	4,507,861	216	287,819	134,060	1,516,122	2,942,255
1937	10	4,392,474	254	557,744	170,910	2,189,237	3,599,541

Table 2 - CAPITAL EMPLOYED, 1929 - 1937.

Years	Present value of land, buildings, machinery and other equipment	Inventory value of materials, fuel and other supplies on hand, finished products and stocks in process	Operating capital (cash, bills and accounts receivable)	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$
1929	2,271,632	1,023,065	1,687,636	4,982,333
1930	2,291,601	876,606	1,874,166	5,042,373
1931	2,501,066	807,211	1,705,401	5,013,678
1932	2,569,651	1,062,792	1,536,332	5,168,775
1933	2,632,108	884,267	1,515,515	5,031,890
1934	2,589,136	871,408	1,811,482	5,272,026
1935	2,407,839	865,829	1,452,000	4,725,668
1936	2,355,138	858,080	1,294,643	4,507,861
1937	2,423,640	635,120	1,333,714	4,392,474

Table 3 - EMPLOYEES, SALARIES AND WAGES, 1929 - 1937.

Years	Number of Employees			Salaries	Wages	TOTAL SALARIES and WAGES
	On salaries	On wages	TOTAL			
				\$	\$	\$
1929	51	211	242	85,116	268,854	353,970
1930	33	188	221	89,412	235,704	325,116
1931	35	158	193	92,346	200,697	293,043
1932	35	146	181	87,628	159,505	247,133
1933	55	128	183	143,633	128,806	272,439
1934	55	147	202	158,288	161,767	320,055
1935	34	170	204	85,886	187,393	273,279
1936	36	180	216	89,272	198,547	287,819
1937	38	216	254	100,347	257,397	357,744

Table 4 - NUMBER OF WAGE-EARNERS, BY MONTHS, 1936 and 1937.

Months	1936	1937	Months	1936	1937
	Number	Number		Number	Number
January	148	197	July	192	224
February	153	197	August	180	227
March	167	201	September	191	228
April	185	210	October	194	227
May	198	222	November	182	231
June	189	224	December	191	212
			AVERAGE	180	216

Table 5 - REGULAR HOURS WORKED PER WEEK, BY WAGE-EARNERS, 1936 and 1937.

Regular hours worked per week	Per cent of wage-earners		Regular hours worked per week	Per cent of wage-earners	
	1936	1937		1936	1937
40 or less	10.3	17.0	51 - 53	5.1	7.1
41 - 43	0.5	0.8	54	6.6	4.4
44	7.9	22.9	55	3.2	5.1
45 - 47	1.4	3.6	56 - 59	13.6	7.5
48	17.5	7.9	60 and over	32.7	22.9
49 - 50	5.1	7.1			

Table 6 - FUEL AND ELECTRICITY USED, 1936 and 1937.

Kinds	Unit of measure	1 9 3 6		1 9 3 7	
		Quantity	Cost at works	Quantity	Cost at works
Anthracite	short ton	1,057	4,460	1,225	5,058
Bituminous - Canadian	short ton	5,198	27,426	9,623	41,125
Imported	short ton	4,011	24,080	5,049	19,026
Lignite coal	short ton	281	1,188	390	1,600
Coke	short ton	2,595	8,585	3,194	12,048
Fuel oil	Imp. gal.	1,150,771	55,557	1,124,953	56,650
Wood	cord	243	752	384	1,184
Other fuel (chiefly tar) .....	\$	...	9,236	...	22,418
Electricity purchased	K. W. H.	133,967	2,798	861,061	11,801
TOTAL .....	\$	...	134,060	...	170,910

Table 7 - POWER EQUIPMENT, 1936 and 1937.

	1 9 3 6		1 9 3 7	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and steam turbines	8	75	8	75
Electric motors run by purchased power	21	296	71	591
TOTAL	29	371	79	666
Boilers	20	2,045	20	2,145

Table 8 - IMPORTS INTO CANADA OF COAL TAR AND ITS PRODUCTS, 1936 and 1937.

Items	Countries from which imported	1 9 3 6		1 9 3 7	
Coal tar, crude, in packages of not less than 15 gallons	TOTAL IMPORTS	Imp. gal.	1,919,125	2,005,511	
		\$	115,507	151,649	
	From -				
	United Kingdom	Imp. gal.	6,720	6,434	
		\$	719	470	
	United States	Imp. gal.	1,912,405	1,999,077	
		\$	114,788	131,179	
Coal pitch	TOTAL IMPORTS	Cwt.	69,561	82,802	
		\$	46,553	53,923	
	From -				
	United Kingdom	Cwt.	3,994	1,822	
		\$	3,591	1,367	
	United States	Cwt.	65,567	80,935	
		\$	42,962	52,400	
Carbolic or heavy oil	TOTAL IMPORTS	Imp. gal.	373,916	1,142,366	
		\$	55,339	174,658	
	From -				
	United Kingdom	Imp. gal.	280,453	738,604	
		\$	40,077	109,155	
	United States	Imp. gal.	93,463	403,762	
		\$	15,262	65,503	
Coal tar, benzol, for blending with gasoline (From September 15, 1937)	TOTAL IMPORTS	Imp. gal.	...	145,864	
		\$	...	17,682
	From -				
	United States	Imp. gal.	...	145,864	
		\$	...	17,682



Table 9 - EXPORTS FROM CANADA OF COAL TAR AND ITS PRODUCTS, 1936 and 1937.

Items	Countries of Destination		1936	1937
Coal tar and pitch	TOTAL EXPORTS	Imp. gal.	3,032,501	2,140,349
		\$	155,870	135,531
	To -			
	United Kingdom	Imp. gal.	....	....
		\$
	United States	Imp. gal.	1,597,319	1,575,055
	\$	87,908	104,033	
	Newfoundland	Imp. gal.	66,555	109,123
	\$	8,325	13,293	
	France	Imp. gal.	1,367,502	455,244
	\$	59,386	18,004	
Creosote oil	TOTAL EXPORTS	Imp. gal.	186,420	1,575,621
		\$	34,069	244,737
	To -			
	United States	Imp. gal.	186,295	1,575,512
	\$	34,023	244,744	
Other coal tar oils	TOTAL EXPORTS	Imp. gal.	4,541,700	4,972,712
		\$	527,518	546,365
	To -			
	United States	Imp. gal.	4,541,300	4,972,707
	\$	527,456	546,359	

DIRECTORY OF COAL TAR DISTILLATION PLANTS IN CANADA, 1937.

<u>Names of Companies</u>	<u>Location of Plants</u>	<u>Main Products, 1937</u>
The Barrett Company Limited	Head Office - 5551 St. Hubert St., Montreal, P.Q. Plants at - Montreal, P.Q. Toronto, Ont. Winnipeg, Man. Vancouver, B.C.	Creosote and other oils, pitch, refined tar, tarvia, tarred felts and sheathings, protective paints, and cements.
Dominion Tar and Chemical Company Limited	Head Office - 423 Canada Cement Company Building, Montreal, P.Q. Plants at - Sydney, N.S. Ville La Salle, P.Q. Toronto, Ont. Sault Ste. Marie, Ont. St. Boniface, Man.	Creosote and other oils, pitch, refined tar, road tar, tar felts and sheathings, tarred roofings, specialties, cresylic acids, phenol, cresol, xylenols, tar acids and other tar derivatives.
Currie Products Limited	Head Office - 87 Sheaffe St., Hamilton, Ont. Plant at - Hamilton, Ont.	Creosote oils, pitch, road tar, tarred felts and sheathings, tar paints and cements, specialties, disinfectant, fly oil, fish net dip.
