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DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
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, 1936.

The same 10 tar distillation plants were in operation during 1936 as in the previous year but the value of production was 12 per cent greater at \$2,942,255; this value was higher than in any other year since 1930.

Capital employed in 1936 was reported at \$4,507,861 of which \$2,355,138 represented the present value of land, buildings and equipment used for manufacturing purposes, \$858,080 was the value of inventories of materials and finished products, and \$1,294,643 was the total of cash and other operating capital.

The number of employees in 1936 was 216 including 36 salaried workers who were paid \$89,272 during the year and 180 wage-earners whose earnings totalled \$198,547.

The quantity of crude tar used for distilling in 1936 was given at 22,361,619 imperial gallons and the cost at \$1,278,283 delivered at the works. In 1935 a total of 21,261,292 gallons worth \$1,337,971 were used.

The main products were - creosote oils, pitch, refined tar, tarred felts and sheathings and protective paints, cements and other specialties. Certain tar derivatives such as phenol, cresylic acid, etc., were made in the Toronto plant of the Dominion Tar and Chemical Company Ltd. Detailed statistics of production are omitted as there are only three producing companies in this field.

Imports of crude coal tar were 17 per cent higher than in 1935, the total for 1936 being 1,919,125 gallons worth \$115,507 as against 1,637,255 gallons worth \$107,133 in the previous year. Practically all of this material was purchased in the United States in each year.

Imports of carbolic or heavy oil rose to 373,916 gallons at \$55,339 in 1936 from 90,724 gallons at \$17,358 in 1935. A larger quantity was purchased from the United Kingdom and the consignments from the United States were slightly higher also.

Imports of coal pitch at 3,478 tons worth \$46,553 were about 50 per cent greater than in 1935 when 2,312 tons at \$30,671 were brought in from other countries. Most of this pitch came from the United States in each year.

Exports of creosote oil dropped from 1,454,097 gallons at \$204,437 in 1935 to 186,420 gallons valued at \$34,069 in 1936. Practically all of the shipments were sent to the United States. Exports of other tar oils in 1936 increased to 4,541,700 gallons worth \$527,518 as compared with 2,877,463 gallons at \$356,834 in the preceding year.

Exports of coal tar and pitch dropped from 4,242,867 gallons valued at \$202,282 in 1935 to 3,032,501 gallons at \$155,870 in 1936.

Table 1 - PRINCIPAL STATISTICS OF THE COAL TAR DISTILLATION INDUSTRY IN CANADA, 1923 - 1936.

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
		\$		\$	\$	\$	\$
1923	8	3,087,957	213	301,561	102,342	1,351,498	3,088,411
1924	8	2,926,297	176	242,292	89,542	1,090,421	2,519,489
1925	9	3,101,951	150	235,558	82,785	1,365,314	2,502,629
1926	9	4,004,311	152	219,292	117,212	1,811,543	2,967,281
1927	10	4,115,151	179	258,178	134,963	2,286,134	3,616,532
1928	10	4,696,588	210	324,935	135,558	2,657,572	4,190,823
1929	10	4,982,333	242	353,970	123,019	2,658,555	3,818,050
1930	10	5,042,373	221	325,116	134,062	2,318,329	3,334,066
1931	10	5,013,678	193	293,043	101,883	1,850,751	2,576,102
1932	10	5,168,775	181	247,133	89,653	1,382,425	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	2,606,338
1936	10	4,507,861	216	287,819	134,060	1,516,122	2,942,255

Table 2 - CAPITAL EMPLOYED, 1929 - 1936.

Years	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

Table 3 - EMPLOYEES, SALARIES AND WAGES, 1929 - 1936.

Years	Number of Employees			Salaries and Wages		
	On salaries	On wages	TOTAL	Salaries	Wages	TOTAL
				\$	\$	\$
1929	31	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

Table 4 - NUMBER OF WAGE-EARNERS, BY MONTHS, 1935 and 1936.

Months	1 9 3 5	1 9 3 6
	No.	No.
January	156	148
February	156	153
March	152	167
April	173	185
May	175	198
June	179	189
July	189	192
August	177	180
September	183	191
October	174	194
November	179	182
December	158	191
AVERAGE	170	179

Table 5 - FUEL AND ELECTRICITY USED, 1935 and 1936.

Kinds	Unit of measure	1 9 3 5		1 9 3 6	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Anthracite	short ton	1,115	4,732	1,037	4,460
Bituminous - Canadian	short ton	4,175	22,453	5,198	27,426
Imported	short ton	3,635	23,379	4,011	24,080
Lignite coal - Canadian ...	short ton	213	869	281	1,168
Coke	short ton	2,277	6,976	2,595	8,583
Fuel oil	Imp. gal.	858,697	41,114	1,150,771	55,557
Wood	cord	308	958	243	752
Other fuel (chiefly tar) ..	xxx	...	28,390	...	9,236
Electricity purchased	K.W.H.	102,910	2,520	133,967	2,798
TOTAL	xxx	...	131,391	...	154,060

Table 6 - POWER EQUIPMENT, 1935 and 1936.

	1 9 3 5		1 9 3 6	
	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	295	21	296
TOTAL	29	370	29	371
Boilers	20	2,230	20	2,045

Table 7 - IMPORTS INTO CANADA OF COAL TAR AND ITS PRODUCTS, 1935 and 1936.

Items	Countries from which imported		1 9 3 5	1 9 3 6
Coal tar, crude, in packages of not less than 15 gallons.	TOTAL IMPORTS ..	Imp.gal.	1,637,255	1,919,125
		\$	107,133	115,507
	From - United Kingdom .	Imp.gal.	7,175	6,720
		\$	1,278	719
	United States ..	Imp.gal.	1,629,785	1,912,405
		\$	105,790	114,788
Coal pitch	TOTAL IMPORTS...	Cwt.	46,249	69,561
		\$	30,671	46,553
	From - United Kingdom .	Cwt.	4,225	3,994
		\$	3,442	3,591
	United States ..	Cwt.	42,024	65,567
		\$	27,229	42,962
Carbolic or heavy oil	TOTAL IMPORTS ..	Imp.gal.	90,724	373,916
		\$	17,358	55,359
	From - United Kingdom .	Imp.gal.	9,892	280,453
		\$	2,726	40,077
	United States ..	Imp.gal.	80,832	93,463
		\$	14,632	15,262

Table 8 - EXPORTS FROM CANADA OF COAL TAR AND ITS PRODUCTS, 1935 and 1936.

Items	Countries of Destination		1 9 3 5	1 9 3 6
Coal tar and pitch	TOTAL EXPORTS ..	Imp.gal.	4,242,867	3,032,501
		\$	202,282	155,870
	To - United Kingdom .	Imp.gal.	40	...
		\$	10	...
	United States ..	Imp.gal.	2,678,930	1,597,319
		\$	127,294	87,908
	Newfoundland ...	Imp.gal.	87,423	66,555
		\$	13,635	8,325
	France	Imp.gal.	1,475,472	1,367,502
		\$	61,213	59,386
Creosote oil	TOTAL EXPORTS ..	Imp.gal.	1,434,097	186,420
		\$	204,437	34,069
	To - United States ..	Imp.gal.	1,433,457	186,295
		\$	204,252	34,023
Other coal tar oils	TOTAL EXPORTS ..	Imp.gal.	2,877,463	4,541,700
		\$	356,834	527,518
	To - United States ..	Imp.gal.	2,877,223	4,541,300
		\$	356,782	527,456

DIRECTORY OF COAL TAR DISTILLATION PLANTS IN CANADA, 1936.

<u>Names of Companies</u>	<u>Location of Plants</u>	<u>Main Products, 1936.</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 Bldg., Montreal, P.Q. Plants at - Sydney, N.S. Ville La Salle, P.Q. Toronto, Ont. Sault Ste. Marie, Ont. St. Boniface, Man.	Creosote oils, pitch, refined tar, road tar, tarred felts and sheathings, tarred roofings, specialties, 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, disin- fectant, fly oil, fish net dip.



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