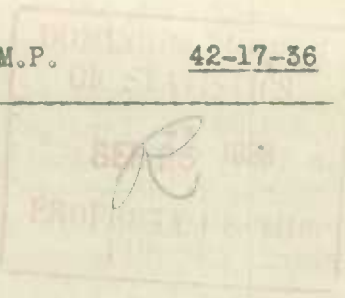


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DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY  
MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA



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ANNUAL INDUSTRY BULLETIN

CHEMICALS AND ALLIED PRODUCTS GROUP

THE COAL TAR DISTILLATION INDUSTRY, 1935.

The same 10 tar distillation plants were in operation during 1935 as in the previous year but the value of production was 30 per cent higher at \$2,606,338. The volume of creosote oils was double the 1934 figure, reflecting the better demand for creosoted timber for railway purposes and for commercial bridges, wharves, telephone poles, buildings, etc. Pitch, refined tar, and saturated felts and sheathings were also made in greater volume than in 1934 but the gains were not so large as for creosote oils. Total output for the industry was higher than in any year since 1930.

Capital employed in 1935 was reported at \$4,725,668 of which \$2,407,839 represented the present value of land, buildings and equipment used for manufacturing purposes, \$865,829 was the value of inventories of materials and finished products, and \$1,452,000 was the total of cash and other operating capital.

The number of employees in 1935 was 204 including 34 salaried workers who were paid \$85,886 during the year and 170 wage-earners whose earnings totalled \$187,393.

The quantity of crude tar used for distilling in 1935 was given at 21,261,292 imperial gallons and the cost amounted to \$1,337,971 delivered at the works. In 1934, a total of 19,286,487 gallons worth \$1,176,687 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 105 per cent higher than in 1934, the total for 1935 being 1,637,255 gallons worth \$107,133 as against 797,356 gallons worth \$52,298 in the previous year. Practically all of this material was purchased in the United States in each year.

Imports of carbolic or heavy oil dropped to 90,724 gallons at \$17,358 in 1935 from 503,415 gallons at \$59,192 in 1934. Smaller quantities were purchased from the United Kingdom and Japan, the chief sources of supply in 1934, but the consignments from the United States were slightly higher.

Imports of coal pitch at 2,312 tons worth \$30,671 were about the same as in 1934 when 2,350 tons at \$27,765 were brought in from other countries. Most of this pitch came from the United States in each year.

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Exports of creosote oil were slightly higher in 1935, the total being 1,434,097 gallons valued at \$204,437 compared with 1,263,468 gallons worth \$156,978 in 1934. Practically all of the shipments were consigned to the United States. Exports of other tar oils in 1935 increased to 2,877,463 gallons worth \$356,834, or more than double the 1,262,201 gallons valued at \$148,450 shipped in the preceding year.

Exports of coal tar and pitch dropped to 4,242,867 gallons appraised at \$202,282 in 1935 from 6,745,866 gallons at \$390,751 in 1934.

Table 1 - PRINCIPAL STATISTICS OF THE COAL TAR DISTILLATION INDUSTRY IN CANADA, 1923 - 1935.

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	Selling value of products at works
		\$		\$	\$	\$	\$
1923	8	3,087,937	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

Table 2 - CAPITAL EMPLOYED, 1929 - 1935.

Years	Value of lands, 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

Table 3 - EMPLOYEES, SALARIES AND WAGES, 1929 - 1935.

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

Table 4 - NUMBER OF WAGE-EARNERS, BY MONTHS, 1934 and 1935.

Months	1 9 3 4		1 9 3 5	
	No.		No.	
January .....	119		156	
February .....	124		156	
March .....	130		152	
April .....	135		173	
May .....	151		175	
June .....	164		179	
July .....	149		189	
August .....	155		177	
September .....	168		183	
October .....	156		174	
November .....	161		179	
December .....	167		158	
AVERAGE .....	147		170	

Table 5 - FUEL AND ELECTRICITY USED, 1934 and 1935.

Kinds	Unit of measure	1 9 3 4		1 9 3 5	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Anthracite .....	short tons	1,544	6,103	1,115	4,732
Bituminous - Canadian ..	short tons	3,684	18,971	4,175	22,453
Imported ..	short tons	4,108	24,715	3,635	23,379
Lignite coal - Canadian.	short tons	...	...	213	869
Coke .....	short tons	2,525	7,448	2,277	6,976
Fuel oil .....	Imp. gal.	412,975	22,081	858,697	41,114
Wood .....	cord	232	720	308	958
Other fuel (chiefly tar) xx		...	32,662	...	28,390
Electricity purchased ..	K. W. H.	81,427	2,385	102,910	2,520
TOTAL .....	xxx	...	115,085	...	131,391

Table 6 - POWER EQUIPMENT, 1934 and 1935.

	1 9 3 4		1 9 3 5	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and steam turbines .....	9	85	8	75
Electric motors run by purchased power .	19	281	21	295
TOTAL .....	28	366	29	370
Boilers .....	13	1,200	20	2,230

Table 7 - IMPORTS INTO CANADA OF COAL TAR AND ITS PRODUCTS, 1934 and 1935.

Items	Countries from which imported		1934	1935
Coal tar, crude, in packages of not less than 15 gallons .....	TOTAL IMPORTS ...	Imp. gal.	797,356	1,637,255
		\$	52,298	107,133
	From - United Kingdom ..	Imp. gal.	13,172	7,175
		\$	1,968	1,278
	United States ...	Imp. gal.	784,184	1,629,785
	\$	50,330	105,790	
Coal pitch .....	TOTAL IMPORTS ...	Cwt.	47,007	46,249
		\$	27,765	30,671
	From - United Kingdom ..	Cwt.	8	4,225
		\$	75	3,442
	United States ...	Cwt.	46,999	42,024
	\$	27,690	27,229	
Carbolic or heavy oil .....	TOTAL IMPORTS ...	Imp. gal.	503,415	90,724
		\$	59,192	17,358
	From - United Kingdom ..	Imp. gal.	217,598	9,892
		\$	27,112	2,726
	United States ...	Imp. gal.	60,512	80,832
		\$	11,342	14,632
	Japan .....	Imp. gal.	225,305	...
	\$	20,758	...	

Table 8 - EXPORTS FROM CANADA OF COAL TAR AND ITS PRODUCTS, 1934 and 1935.

Items	Countries of Destination		1934	1935
Coal tar and pitch .....	TOTAL EXPORTS ...	Imp. gal.	6,745,866	4,242,867
		\$	390,751	202,282
	To - United Kingdom ..	Imp. gal.	...	40
		\$	...	10
	United States ...	Imp. gal.	3,076,144	2,678,930
		\$	145,445	127,294
	Newfoundland ....	Imp. gal.	103,351	87,423
		\$	17,723	13,635
	France .....	Imp. gal.	3,286,182	1,475,472
		\$	206,857	61,213
Belgium .....	Imp. gal.	279,129	...	
	\$	20,501	...	
Creosote oil .....	TOTAL EXPORTS ...	Imp. gal.	1,263,468	1,434,097
		\$	156,978	204,437
	To - United States ...	Imp. gal.	1,263,468	1,433,457
	\$	156,978	204,252	
Coal tar oils (other) (from April 1, 1934) .....	TOTAL EXPORTS ...	Imp. gal.	1,262,201	2,877,463
		\$	148,450	356,834
	TO - United States ...	Imp. gal.	1,261,001	2,877,223
	\$	148,347	356,782	

DIRECTORY OF COAL TAR DISTILLATION PLANTS IN CANADA, 1935.

<u>Names of Companies</u>	<u>Location of Plants</u>	<u>Main Products, 1935.</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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