

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

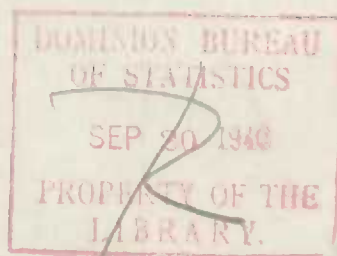
CHEMICALS AND ALLIED PRODUCTS GROUP

THE COAL TAR DISTILLATION INDUSTRY, 1939

Production from the Coal Tar Distillation Industry in Canada was valued at \$3,648,080 in 1939, an increase of 26 per cent over the \$2,895,237 made in 1938, which in turn was almost 15 per cent under the \$3,399,541 reported for 1937. The eleven plants operating in this group produced creosote oils, pitch, refined tar, tarred felts and sheathings, pitch coke, protective paints, phenol, cresol, cresylic acid, etc.

Firms manufacturing these lines as a principal part of their output had a capital investment in Canada of \$4,940,020 as represented by lands, buildings, machinery, inventories and accounts receivable. They employed an average of 302 people who were paid \$393,522 in salaries and wages; they spent \$163,950 for fuel and electricity and purchased materials for use in manufacturing processes at a cost of \$2,108,544, including 26,567,106 gallons of crude tar at \$1,705,702. Detailed statistics of their production may not be published as there are but three producing companies in this field.

Imports into Canada during 1939 included 3,631,720 gallons of crude tar at \$229,769; 87,178 hundredweight of coal pitch at \$59,953; 160,943 gallons of carbolic or heavy oil at \$35,591 and 52,651 gallons of benzol from coal tar for blending with gasoline at \$6,827. Exports included 1,875,385 gallons of coal tar and pitch appraised at \$101,255; 154,543 gallons of creosote oil at \$31,584 and 3,721,365 gallons of other tar oils at \$334,774.



**Table 1 - PRINCIPAL STATISTICS OF THE COAL TAR DISTILLATION INDUSTRY IN CANADA,
1929 - 1939**

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	4,982,333	242	353,970	123,019	2,658,555	3,318,050
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
1937 ...	10	4,392,474	254	357,744	170,910	2,189,237	3,399,541
1938 ...	10	4,780,847	257	356,564	158,649	1,742,366	2,895,237
1939 ...	11	4,940,020	302	393,522	163,950	2,108,544	3,648,080

Note: Profits or losses cannot be calculated from above figures as data are not available for general expense items such as interest, rent, depreciation, taxes, insurance, advertising, etc.

Table 2 - CAPITAL EMPLOYED, 1929 - 1939

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	870,211	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
1938 ...	2,430,786	873,602	1,476,459	4,780,847
1939 ...	2,740,165	744,111	1,455,744	4,940,020

Table 3 - EMPLOYEES, SALARIES AND WAGES, 1929 - 1939

Years	Number of Employees			Salaries	Wages	TOTAL SALARIES and WAGES
	On salaries	On 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	153,288	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
1938	42	215	257	106,566	249,998	356,564
1939	42	260	302	112,106	281,416	393,522

Table 4 - NUMBER OF WAGE-EARNERS, BY MONTHS, 1938 and 1939 (On the last day of each month or nearest work day)

Months	1938	1939	Months	1938	1939
	Number	Number		Number	Number
January	201	232	August	203	267
February	197	238	September	230	286
March	205	237	October	217	299
April	225	242	November	212	281
May	218	254	December	204	284
June	237	251	AVERAGE	215	260
July	214	262			

Table 5 - REGULAR HOURS WORKED PER WEEK, BY WAGE-EARNERS, 1938 and 1939

Regular hours worked per week	Per cent of wage-earners		Regular hours worked per week	Per cent of wage-earners	
	1938	1939		1938	1939
	30 or less	6.5		6.8	51 - 54 .....	7.4	12.8
31 - 45	14.9	8.1	55	5.1	7.7
44	26.5	5.6	56 - 64	11.2	26.1
45 - 47	5.6	8.5	65 and over	0.9	7.5
48	7.9	7.7	TOTAL	100.0	100.0
49 - 50	14.0	9.4			

Table 6 - FUEL AND ELECTRICITY USED, 1938 and 1939

Kinds	Unit of measure	1 9 3 8		1 9 3 9	
		Quantity	Cost at	Quantity	Cost at
			works		works
			\$		\$
Anthracite	short ton	1,082	4,986	906	4,465
Bituminous - Canadian ..	short ton	4,082	21,600	4,265	22,701
Imported ..	short ton	8,137	49,006	7,709	45,120
Lignite coal	short ton	289	1,172	294	1,208
Coke	short ton	3,368	13,253	4,793	19,369
Fuel oil	Imp. gal.	617,424	30,714	343,185	16,627
Wood	cord	340	1,050	158	411
Other fuel (chiefly tar)	\$	...	26,368	...	43,488
Electricity purchased ..	K. W. H.	773,383	10,500	878,351	10,561
TOTAL .....	\$	...	158,649	...	183,950

Table 7 - POWER EQUIPMENT, 1938 and 1939

	1 9 3 8		1 9 3 9	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and steam turbines..	6	52	5	63
Gasoline, gas and oil engines .....	...	...	3	225
Electric motors run by purchased power	77	648	95	735
TOTAL	83	700	103	1,023
Boilers	15	1,680	18	1,855

Table 8 - IMPORTS INTO CANADA OF COAL TAR AND ITS PRODUCTS, 1938 and 1939

Items	Countries from which imported		1938	1939
Coal tar, crude, in packages of not less than 15 gallons	TOTAL IMPORTS..	Imp.gal.	3,595,125	3,631,720
		\$	240,334	229,769
	From -			
	United Kingdom	Imp.gal.	7,313	2,747
		\$	1,474	913
Coal pitch	United States.	Imp.gal.	3,586,424	3,628,433
		\$	238,516	228,712
	TOTAL IMPORTS..	Cwt.	57,832	87,178
		\$	37,170	59,958
	From -			
Carbolic or heavy oil	United Kingdom	Cwt.	1,970	4,096
		\$	1,649	3,333
	United States.	Cwt.	55,412	83,082
		\$	34,134	56,625
	TOTAL IMPORTS..	Imp.gal.	260,947	160,943
	\$	45,528	35,591	
Coal tar, benzol, for blending with gasoline	From -			
	United Kingdom	Imp.gal.	56,507	29,638
		\$	11,181	14,370
	United States.	Imp.gal.	203,284	131,305
		\$	34,105	21,221
TOTAL IMPORTS..	Imp.gal.	94,332	52,651	
	\$	12,682	6,827	
From -				
United States.	Imp.gal.	91,790	52,651	
	\$	12,055	6,827	

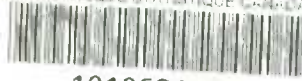
Table 9 - EXPORTS FROM CANADA OF COAL TAR AND ITS PRODUCTS, 1938 and 1939

Items	Countries of destination		1938	1939
Coal tar and pitch	TOTAL EXPORTS..	Imp.gal.	5,020,939	1,875,385
		\$	254,358	101,255
	To -			
	United Kingdom	Imp.gal.	...	...
		\$
Creosote oil	United States.	Imp.gal.	2,091,412	1,849,226
		\$	140,026	98,008
	Newfoundland..	Imp.gal.	35,289	24,210
		\$	4,365	2,938
	France	Imp.gal.	2,891,312	...
	\$	109,509	...	
TOTAL EXPORTS..	Imp.gal.	731,099	154,543	
	\$	117,184	31,584	
To -				
United States.	Imp.gal.	730,963	154,478	
	\$	117,068	31,548	
Other coal tar oils	TOTAL EXPORTS..	Imp.gal.	3,606,504	3,721,365
		\$	376,340	334,774
	To -			
	United States..	Imp.gal.	3,606,424	3,671,329
		\$	376,329	323,584

DIRECTORY OF COAL TAR DISTILLATION PLANTS IN CANADA, 1939

<u>Names of Companies</u>	<u>Location of Plants</u>	<u>Main Products, 1939</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, cresylic mixtures, phenol, cresol, dis- infectants, pitch coke, varnishes, carbulates.
Currie Products Limited	Head Office-87 Sheaffe St., Hamilton, Ont. Plants at - Hamilton, Ont. Ottawa, Ont.	Creosote oils, pitch, road tar, tarred felts and sheathings, tar paints and cements, disinfectant, fly oil, fish net dip.

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