

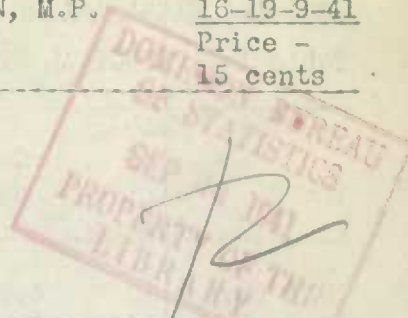
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DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA



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ANNUAL INDUSTRY BULLETIN

CHEMICALS AND ALLIED PRODUCTS GROUP

THE COAL TAR DISTILLATION INDUSTRY, 1940

The same 10 tar distillation plants were in operation in 1940 as in the previous year but production advanced to \$4,975,087 from \$3,648,080, a gain of 36 per cent. There were 4 tar distilleries in Ontario, 2 in Quebec, 2 in Winnipeg, 1 in British Columbia and 1 in Nova Scotia. Their chief products were creosote and other oils, pitch, refined tar, tarred felts and sheathings, pitch coke, protective paints, phenol, cresol, and cresylic acid.

An average of 323 workers were employed in this industry in 1940 and salaries and wages for the year amounted to \$459,374.

The cost of materials for manufacturing in 1940 was \$2,480,378, including 30,697,498 gallons of crude tar at \$1,973,332. An additional \$237,242 was spent for fuel and electricity for heating and power purposes.

Imports of crude coal tar into Canada were reduced to about one-third of the foreign purchases in the previous year; only 1,292,838 gallons were brought in during 1940 as against 3,631,720 gallons in 1939. A similar decline was shown for carbolic or heavy oil which dropped to 61,147 gallons from 160,943 gallons in 1939. Imports of coal tar pitch declined to 2,798 tons in 1940 from 4,359 tons in the previous year.

Exports of coal tar and pitch amounted to 406,597 gallons compared with last year's total of 1,875,335 gallons; creosote oil totalled 103,981 gallons as against 154,543 tons, and other coal tar oils amounted to 4,681,071 gallons compared with 3,721,365 gallons in 1939.

Since there are only three firms in this industry the details of production are not published.

Coal Tar Distillation

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Table 1 - PRINCIPAL STATISTICS OF THE COAL TAR DISTILLATION INDUSTRY IN CANADA,
1929 - 1940

Years	Number of distil- leries	Capital employed \$	Average number of em- ployees	Salaries and wages \$	Cost of fuel and electricity at works \$	Cost of materials at works \$	Gross sell- ing value of products at works \$
1929 ...	10	4,982,333	242	353,970	123,019	2,658,555	3,213,950
1930 ...	10	5,042,573	221	325,116	134,062	2,318,329	3,334,066
1931 ...	10	5,013,378	193	293,043	101,383	1,350,751	2,576,102
1932 ...	10	5,168,775	181	247,133	89,653	1,332,425	2,114,350
1933 ...	10	5,031,890	183	272,439	74,133	1,076,277	1,672,299
1934 ...	10	5,272,026	202	320,055	115,085	1,363,341	2,004,715
1935 ...	10	4,725,668	204	273,279	151,391	1,523,137	2,603,338
1936 ...	10	4,507,361	213	287,319	134,060	1,513,122	2,042,255
1937 ...	10	4,392,474	254	357,744	170,910	2,189,237	3,399,541
1938 ...	10	4,780,347	257	356,564	158,649	1,742,366	2,895,237
1939 ...	10	4,940,020	302	393,522	163,950	2,103,544	3,648,030
1940 ...	10	4,144,339	323	459,374	237,242	2,430,378	4,975,037

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 - 1940

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 ...	2,271,332	1,023,065	1,687,636	4,982,333
1930 ...	2,291,301	876,606	1,874,166	5,042,373
1931 ...	2,501,063	870,211	1,705,401	5,013,378
1932 ...	2,569,651	1,062,792	1,536,332	5,168,775
1933 ...	2,632,108	834,267	1,515,515	5,031,890
1934 ...	2,589,156	871,408	1,911,482	5,272,026
1935 ...	2,407,359	865,329	1,452,000	4,725,668
1936 ...	2,355,138	858,080	1,294,643	4,507,361
1937 ...	2,423,640	635,120	1,333,714	4,392,474
1938 ...	2,430,786	873,602	1,476,459	4,780,347
1939 ...	2,740,165	744,111	1,455,744	4,940,020
1940 ...	2,742,735	792,742	608,912	4,144,339

Table 3 - EMPLOYEES, SALARIES AND WAGES, 1929 - 1940

Years	Number of Employees			Salaries \$	Wages \$	TOTAL SALARIES and WAGES \$
	On salaries	On wages	TOTAL			
1929	31	211	242	35,116	298,354	353,970
1930	33	188	221	33,412	235,704	325,116
1931	35	158	193	92,346	200,697	293,043
1932	35	146	181	87,623	159,505	247,133
1933	55	128	133	143,633	123,606	272,439
1934	55	147	202	158,238	161,767	320,055
1935	34	170	204	35,886	137,393	273,279
1936	36	130	216	89,272	198,547	287,319
1937	38	216	254	100,347	257,397	357,744
1938	42	215	257	106,566	249,998	356,564
1939	42	260	302	112,103	281,416	393,522
1940	43	280	323	113,714	339,660	459,374

Coal Tar Distillation

Table 4 - NUMBER OF WAGE-EARNERS, BY MONTHS, 1939 and 1940 (On the last day of each month or nearest work day)

Months	1939	1940	Months	1939	1940
	Number	Number		Number	Number
January	232	236	August	267	287
February	258	263	September	266	274
March	257	290	October	290	273
April	242	261	November	281	295
May	254	276	December	284	287
June	251	291	AVERAGE	260	280
July	262	298			

Table 5 - HOURS WORKED PER WEEK, BY WAGE-EARNERS, 1940 (In one week in month of highest employment; overtime included)

Hours worked per week	Number of wage-earners	Per cent of Total	Regular hours worked per week	Number of wage-earners	Per cent of Total
30 or less	37	11.4	51 - 54	14	4.3
31 - 43	15	4.9	55	14	4.3
44	23	7.1	56 - 64	59	18.2
45 - 47	4	1.2	65 and over	128	39.4
48	11	3.4			
49 - 50	19	5.8	TOTAL ...	325	100.0

Total wages paid during week - \$9,467

Table 6 - FUEL AND ELECTRICITY USED, 1939 and 1940

Kinds	Unit of measure	1 9 3 9		1 9 4 0	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Anthracite	short ton	906	4,465	1,122	5,975
Bituminous - Canadian ..	short ton	4,265	22,701	2,015	11,549
Imported ..	short ton	7,709	45,120	9,500	61,545
Lignite coal	short ton	234	1,208	713	2,835
Coke	short ton	4,793	19,369	4,183	17,617
Fuel oil	Imp. gal.	343,135	16,627	450,511	24,642
Wood	cord	158	411	108	283
Other fuel (chiefly tar and heavy creosote)		...	42,438	-	100,735
Electricity purchased ..	K. W. H.	678,351	10,561	656,123	11,946
TOTAL	\$...	163,950	...	237,242

Table 7 - POWER EQUIPMENT, 1939 and 1940

	Ordinarily in use		In reserve or idle	
	Number of units	Total rated horsepower	Number of units	Total rated horsepower
<u>1939</u>				
Steam engines and steam turbines	3	33	2	30
Gasoline, gas and oil engines	2	150	1	75
Electric motors run by purchased power	78	639	17	96
TOTAL	83	822	20	201
Stationary Boilers	14	1,540	4	315
<u>1940</u>				
Steam engines and steam turbines	3	33	2	30
Gasoline, gas and oil engines	2	150	1	75
Electric motors run by purchased power	78	639	17	96
TOTAL	83	822	20	201
Stationary Boilers	14	1,451	4	315

Table 8 - IMPORTS INTO CANADA OF COAL TAR AND ITS PRODUCTS, 1939 and 1940

Items	1939		1940	
	Quantity	Value \$	Quantity	Value \$
Coal tar, crude, in packages of not less than 15 gallons Imp. gal.	3,631,720	229,763	1,292,838	95,414
Coal pitch	87,178	59,958	55,954	47,230
Carbolic or heavy oil	160,943	35,591	61,147	16,450

Table 9 - EXPORTS FROM CANADA OF COAL TAR AND ITS PRODUCTS, 1939 and 1940

Items	1939		1940	
	Quantity	Value	Quantity	Value
		\$		\$
Coal tar and pitch	Imp. gal. 1,975,385	101,255	406,597	37,038
Creosote oil	Imp. gal. 154,543	31,584	103,931	22,160
Other coal tar oils	Imp. gal. 3,721,365	334,774	4,681,071	345,326

DIRECTORY OF COAL TAR DISTILLATION PLANTS IN CANADA, 1940

<u>Names of Companies</u>	<u>Location of Plants</u>	<u>Main Products, 1940</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, disinfectants, pitch coke, varnishes, carbolates.
Currie Products Limited	Head Office-87 Sheaffe St., Hamilton, Ont. Plants at - Hamilton, Ont.	Creosote oils, pitch, road tar, tarred felts and sheathings, tar paints and cements, disinfectant, fly oil, fish net dip.



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