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THE COAL TAR DISTILLATION INDUSTRY

1956

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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** - The Primary Industries, including mining, forestry and fisheries; **Volume II** - Manufacturing; **Volume III** - Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I - General Review of the Manufacturing Industries, \$1.50
- II - The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 50¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 40¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III - Foods and Beverages
- IV - Tobacco and Tobacco Products
- V - Rubber Products
- VI - Leather Products
- VII - Textile Mills
- VIII - Knitting Mills
- IX - Clothing
- X - Wood and Paper Products
- XI - Printing Trades
- XII - Iron and Steel Products
- XIII - Transportation Equipment
- XIV - Non-ferrous Metal Products
- XV - Electrical Apparatus and Supplies
- XVI - Non-metallic Mineral Products
- XVII - Products of Petroleum and Coal
- XVIII - Chemicals and Allied Products
- XIX - Miscellaneous Manufactures

The present report belongs in Part XVIII, Chemicals and Allied Products. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A - General Review, 25¢
- B - The Acids, Alkalies and Salts Industry, 25¢
- C - The Fertilizers Industry, 25¢
- D - The Fertilizer Trade in Canada, 25¢
- E - The Medicinal and Pharmaceutical Preparations Industry, 25¢
- F - The Paints, Varnishes and Lacquers Industry, 25¢
- G - The Primary Plastics Industry, 25¢
- H - The Soaps, Washing Compounds and Cleaning Preparations Industry, 25¢
- I - The Toilet Preparations Industry, 25¢
- J - The Vegetable Oils Industry, 25¢
- K - The Inks Industry, 25¢
- L - The Adhesives Industry, 25¢
- M - The Polishes and Dressings Industry, 25¢
- N - The Compressed Gases Industry, 25¢
- O - The Coal Tar Distillation Industry, 25¢
- P - The Miscellaneous Chemical Products Industry, 25¢

(December 20, 1957)

THE COAL TAR DISTILLATION INDUSTRY

1956

Output from the Coal Tar Distillation Industry in Canada in 1956 was valued at \$13,221,192 an increase of 11.1 per cent over 1955. Factory shipments of creosote oils totalled 9,630,724 gallons at \$2,613,026 in 1956; refined tars amounted to 3,816,392 gallons at \$809,979 and pitch totalled 134,195 tons at \$5,657,044. Phenols, cresols, cresylic acid, xylenols, phthalic anhydride, coal tar paints, pitch coke, tar and asphalt cements, disinfectants and asphalt saturants were other principal products.

Eleven plants operated in 1956 there being 1 in Nova Scotia; 2 in Quebec, 5 in Ontario, 2 in Manitoba and 1 in British Columbia. These works afforded employment to 537 people who were paid \$2,458,014 in salaries and wages.

Materials for manufacturing cost \$8,048,543 in 1956, including 41,669,919 gallons of crude tars at \$5,857,399. In addition an amount of \$703,832 was paid for fuel and electricity.

Note: Figures for value added by manufacture, shown in Table 1, prior to 1952 were obtained by subtracting the cost of materials used, including fuel and electricity, from the value of production. In 1952 the gross value of production was replaced by value of factory shipments, f.o.b. plant. As no information on inventory change is available for 1952 and 1953, value added figures for these years were obtained by subtracting from the value of shipments the cost of materials, fuel and electricity. In 1954 and later years information on the value of year-end inventory holdings at plant and plant warehouses was collected as part of the annual Census of Industry and information thus made available was taken into account in calculating the value added figures.

TABLE 1. Principal Statistics of the Coal Tar Distillation Industry, Significant Years, 1929-1956

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture ¹	Gross selling value of products ¹
	No.	No.	\$	\$	\$	\$	\$
1929	10	242	353,970	123,019	2,658,555	1,036,476	3,313,050
1933	10	183	272,439	74,186	1,076,277	521,336	1,672,299
1937	10	254	357,744	170,910	2,139,237	1,039,394	3,399,541
1939	11	302	393,522	163,950	2,103,544	1,375,586	3,648,030
1943	10	424	789,335	326,448	4,059,598	2,154,239	6,540,235
1946	11	410	740,619	341,182	3,116,167	2,052,078	5,509,727
1949	11	415	1,166,363	549,310	4,736,640	3,996,837	9,332,787
1952	11	500	1,679,495	655,814	7,143,102	4,335,360	12,634,276
1953	11	541	1,861,353	755,122	7,551,105	5,323,672	13,634,899
1954	11	544	2,101,870	655,821	7,417,777	4,752,227	12,878,275
1955	11	528	2,080,557	611,810	7,010,908	4,802,463	11,302,812
1956	11	537	2,458,014	703,832	8,048,543	4,549,278	13,221,192

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.

1. See footnote to Text.

TABLE 2. Inventories¹, 1956

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening	991,281	130,213	1,323,675	2,450,169
Closing	637,354	164,793	1,374,556	2,176,703

1. (a) Book value of all manufacturing inventories owned and held at plant and plant warehouses.

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Coal Tar Distillation Industry for the year under review are shown in the above table.

TABLE 3. Products of the Coal Tar Distillation Industry, 1955 and 1956

Product	Unit of measure	1955		1956	
		Quantity	Value of factory shipments	Quantity	Value of factory shipments
			\$		\$
Refined tar	Imp. gal.	3,559,726	733,231	3,316,392	809,979
Pitch	ton	119,649	4,679,193	134,195	5,657,044
Creosote oils	Imp. gal.	10,240,525	2,804,106	9,630,724	2,613,026
All other products ¹	—	—	3,676,282	—	4,141,143
Total	—	—	11,892,812	—	13,221,192

1. Includes coal tar paints, cements and disinfectants; also asphalt cements, asphalt saturant, pitch coke, phenol, cresol, orthocresol, metaparacresol, cresylic acid, phthalic anhydride, etc. Figures cannot be shown for these items as each was made by only one or two companies.

TABLE 4. Materials Used in the Coal Tar Distillation Industry, 1955 and 1956

Material	Unit of measure	1955		1956	
		Quantity	Cost at plant	Quantity	Cost at plant
			\$		\$
Crude coal tar	Imp. gal.	37,792,738	5,297,909	41,669,919	5,857,399
Crude water-gas tar	" "	1,954,165	254,430	1,471,968	189,134
Asphalt	" "	233,946	32,205	167,178	22,203
Containers and packing materials	—	—	485,261	—	504,394
All other materials	—	—	941,103	—	1,475,413
Total	—	—	7,010,908	—	8,048,543

TABLE 5. Production¹ of Creosote Oils, Pitch and Refined Tars, 1947-1956

Year	Creosote and other oils	Pitch	Refined tar, tarvia, etc.
	Imp. gal.	Tons	Imp. gal.
1947	9,622,311	77,367	3,557,356
1948	11,044,351	87,614	2,443,658
1949	12,556,389	92,291	3,542,989
1950	11,728,014	113,510	4,324,303
1951	11,726,520	112,141	4,377,223
1952	11,608,114	131,742	3,976,884
1953	13,750,179	132,737	4,742,967
1954	10,959,458	135,912	4,641,583
1955	10,240,525	119,649	3,559,726
1956	9,630,724	134,195	3,816,392

1. Factory shipments since 1953.

TABLE 6. Crude Tar Used in Tar Distilleries, 1947-1956

Year	Imp. gal.	Year	Imp. gal.
1947	32,174,935	1952	43,037,000
1948	32,975,053	1953	45,401,000
1949	32,428,300	1954	38,542,083
1950	41,324,989	1955	39,746,903
1951	40,260,705	1956	43,141,867

TABLE 7. Employees and Their Earnings in the Coal Tar Distillation Industry, 1952-1956

Year	Number of employees					Earnings		
	Supervisory and office		Workmen		Total	Supervisory and office	Workmen	Total
	Male	Female	Male	Female				
						\$	\$	\$
1952	96	20	381	3	500	465,461	1,214,043	1,679,495
1953	107	29	401	4	541	528,636	1,332,717	1,861,353
1954	132	35	370	7	544	805,866	1,296,004	2,101,870
1955	136	30	356	6	528	807,533	1,273,024	2,080,557
1956	124	30	377	6	537	1,046,763	1,411,251	2,458,014

TABLE 8. Production Workers, by Months, 1955 and 1956

Month	1955			1956		
	Male	Female	Total	Male	Female	Total
	Number					
January	346	6	352	364	6	370
February	352	6	358	357	6	363
March	352	6	358	371	6	377
April	351	6	357	371	6	377
May	352	6	368	380	6	386
June	370	6	376	383	6	389
July	371	6	377	396	6	402
August	363	6	369	392	6	398
September	355	6	361	388	6	394
October	356	6	362	376	6	382
November	353	6	359	378	6	384
December	350	6	356	379	6	385
Average	356	6	362	377	6	383

TABLE 9. Capital and Repair Expenditures in the Coal Tar Distillation Industry, 1952-1956

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	\$'000						
1952	296	1,235	1,531	2	2	549	2,080
1953	124	593	717	2	2	694	1,411
1954	2	2	214	2	2	612	826
1955	2	2	190	2	2	617	807
1956	2	2	274	2	2	649	923

1. Preliminary.

2. Not available separately - see sub-total.

TABLE 10. Imports and Exports of Coal Tar, Pitch, Etc., 1955 and 1956

Item	Unit of measure	1955		1956	
		Quantity	Value	Quantity	Value
			\$		\$
(a) Imports					
Coal tar, crude	Imp. gal.	1,315,522	290,781	531,572	103,884
Coal pitch	lb.	142,587,300	2,413,033	152,956,500	2,743,374
Carbolic or heavy oil	Imp. gal.	3,410,261	669,418	3,471,457	662,513
(b) Exports					
Coal tar and pitch	Imp. gal.	201	258	2,332,422	320,434
Creosote oil	" "	429,127	92,691	741,235	160,164
Coal tar oils, other	" "	1,226,392	414,665	1,608,266	461,013

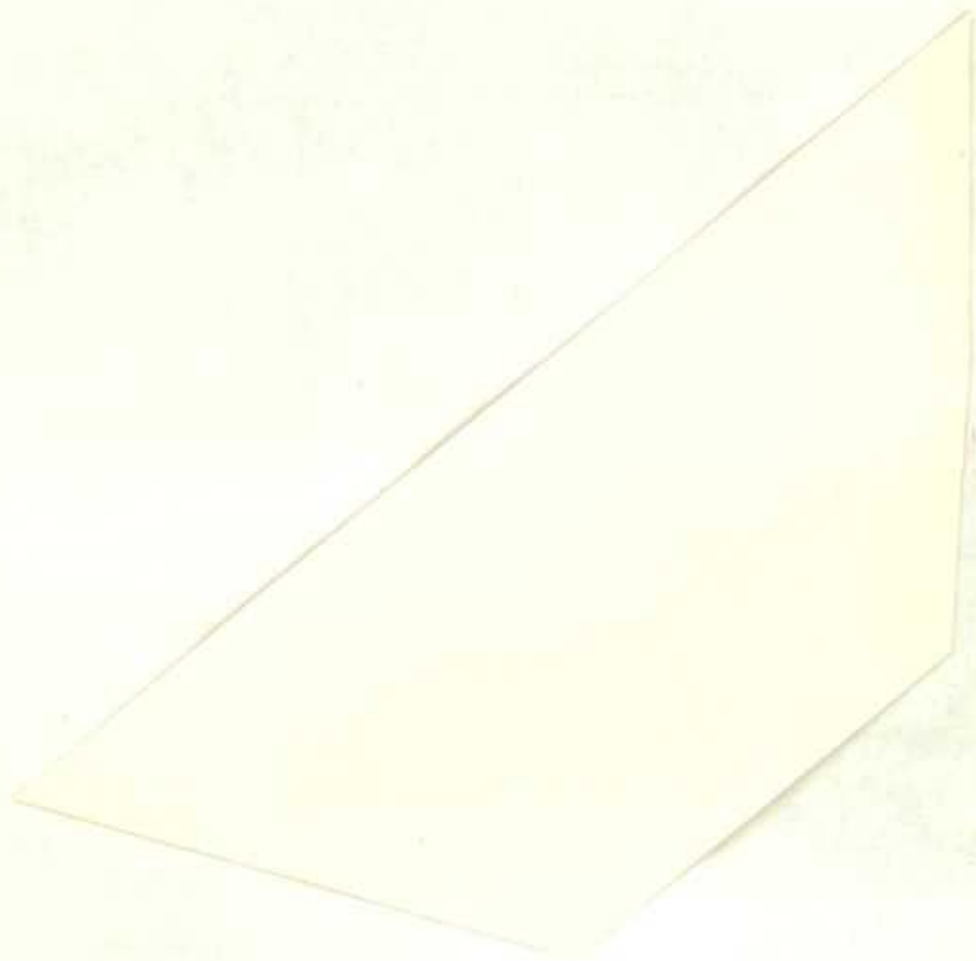
TABLE 11. Fuel and Electricity Used¹ in the Coal Tar Distillation Industry, 1956

Kind	Unit of measure	Quantity	Cost at works
			\$
Bituminous coal - imported	tons	13,901	147,206
Sub-bituminous coal	tons	19	115
Anthracite coal	tons	930	10,395
Gasoline (Including gasoline used in cars and trucks)	Imp. gal.	49,241	19,866
Fuel oil	" "	3,501,334	366,306
Gas - manufactured	M cu. ft.	205,402	66,415
Electricity purchased	k.w.h.	12,456,971	93,027
Total	-	-	703,832

1. Last collected in 1953.

List of Firms in the Coal Tar Distillation Industry, 1956

Name	Head office address	Location of plant
Dominion Tar & Chemical Company Limited	2240 Sun Life Building, Montreal, Quebec	Sydney, Nova Scotia Ville LaSalle, Quebec Sault Ste. Marie, Ontario Toronto, Ontario St. Boniface, Manitoba
The Barrett Company Limited	5551 St. Hubert Street, Montreal, Quebec	Montreal, Quebec Toronto, Ontario St. Boniface, Manitoba Vancouver, British Columbia
Currie Products Limited	87 Sheaffe Street, Hamilton, Ontario	Hamilton, Ontario
Northern Tar & Chemical Company Limited..	P.O. Drawer 310, Port Arthur, Ontario	2nd Avenue, Port Arthur, Ontario



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