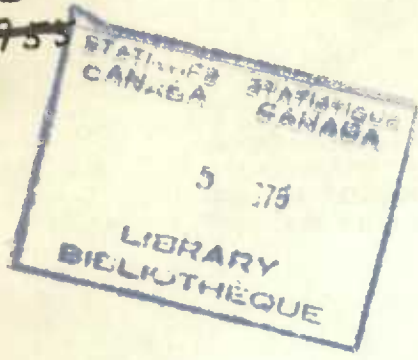


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THE COAL TAR DISTILLATION INDUSTRY

1955

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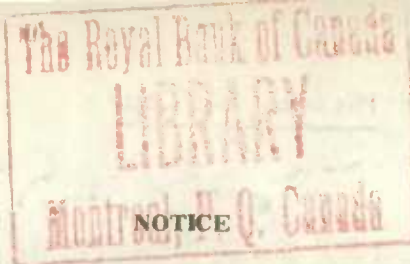
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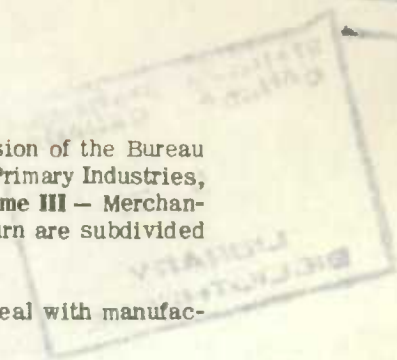
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The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** – The Primary Industries, including mining, forestry and fisheries; **Volume II** – Manufacturing; **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¢

(Nov. 23, 1956)

THE COAL TAR DISTILLATION INDUSTRY

1955

Output from the Coal Tar Distillation Industry in Canada in 1955 was valued at \$11,892,812, a decline of 8.4 per cent from 1954. Factory shipments of creosote oils totalled 10,240,525 gallons at \$2,804,106 in 1955; refined tars amounted to 3,559,726 gallons at \$733,231 and pitch totalled 119,649 tons at \$4,679,193. 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 1955, 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 528 people who were paid \$2,080,557 in salaries and wages.

Materials for manufacturing in 1955 cost \$7,010,908, including 37,792,738 gallons of crude tars at \$5,297,909. In addition, an amount of \$611,810 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 1955 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 for 1954 and 1955.

TABLE 1. Principal Statistics of the Coal Tar Distillation Industry, Significant Years, 1929-1955

Year	Establishments	Employees	Earnings	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	3,818,050
1933	10	183	272,439	74,186	1,076,277	521,836	1,672,299
1937	10	254	357,744	170,910	2,189,237	1,039,394	3,399,541
1939	11	302	393,522	163,950	2,108,544	1,375,586	3,648,080
1943	10	424	789,335	326,448	4,059,598	2,154,239	6,540,285
1946	11	410	740,619	341,182	3,116,167	2,052,078	5,509,727
1949	11	415	1,166,863	549,310	4,786,640	3,996,837	9,332,787
1951	11	468	1,442,776	668,588	7,077,237	4,331,465	12,077,290
1952	11	500	1,679,495	655,814	7,143,102	4,835,360	12,634,276
1953	11	541	1,861,353	755,122	7,551,105	5,328,672	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	11,892,812

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, 1955

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening	760,622	143,334	796,306	1,700,262
Closing	991,281	130,213	1,328,675	2,450,169

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, 1954 and 1955

Product	Unit of measure	1954		1955	
		Quantity	Value of factory shipments	Quantity	Value of factory shipments
			\$		\$
Refined tar	Imp. gal.	4,641,583	825,996	3,559,726	733,231
Pitch	ton	135,912	4,756,895	119,649	4,679,193
Creosote oils	Imp. gal.	10,959,458	2,978,245	10,240,525	2,804,106
All other products ¹	—	—	4,317,139	—	3,676,282
Total	—	—	12,878,275	—	11,892,812

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, 1954 and 1955

Material	Unit of measure	1954		1955	
		Quantity	Cost at plant	Quantity	Cost at plant
			\$		\$
Crude coal tar	Imp. gal.	37,045,152	5,125,363	37,792,738	5,297,909
Crude water-gas tar	" "	1,496,931	161,042	1,954,165	254,430
Asphalt	" "	3,932,054	452,393	233,946	32,205
Containers and packing materials	—	—	604,997	—	485,261
All other materials	—	—	1,073,982	—	941,103
Total	—	—	7,417,777	—	7,010,908

TABLE 5. Production¹ of Creosote Oils, Pitch and Refined Tars, 1946-1955

Year	Creosote and other oils	Pitch	Refined tar, tarvia, etc.
	Imp. gal.	Tons	Imp. gal.
1946	10,234,997	85,018	5,234,788
1947	9,622,811	77,367	3,557,356
1948	11,044,351	87,614	2,443,658
1949	12,556,889	92,291	3,542,989
1950	11,728,014	113,510	4,324,803
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

1. Factory shipments since 1953.

TABLE 6. Crude Tar Used in Tar Distilleries, 1946-1955

Year	Imp. gal.	Year	Imp. gal.
1946	34,889,946	1951	40,260,705
1947	32,174,985	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

TABLE 7. Employees and Their Earnings in the Coal Tar Distillation Industry, 1951-1955

Year	Number of employees					Earnings		
	Supervisory and office		Workmen		Total	Supervisory and office	Workmen	Total
	Male	Female	Male	Female				
						\$	\$	\$
1951	78	19	368	3	468	362,681	1,080,095	1,442,776
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

TABLE 8. Production Workers, by Months, 1954 and 1955

Month	1954			1955		
	Male	Female	Total	Male	Female	Total
	Number					
January	362	6	368	346	6	352
February	361	6	367	352	6	358
March	367	6	373	352	6	358
April	356	7	363	351	6	357
May	370	7	377	362	6	368
June	380	7	387	370	6	376
July	377	7	384	371	6	377
August	391	7	398	363	6	369
September	381	7	388	355	6	361
October	371	7	378	356	6	362
November	368	7	375	353	6	359
December	361	7	368	350	6	356
Average	370	7	377	356	6	362

TABLE 9. Capital and Repair Expenditures in the Coal Tar Distillation Industry, 1951-1955

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						
1951	2	2	195	2	2	477	672
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 ¹	2	2	220	2	2	580	800

1. Preliminary.

2. Not available separately - see sub-total.

TABLE 10. Imports and Exports of Coal Tar, Pitch, Etc., 1954 and 1955

Item	Unit of measure	1954		1955	
		Quantity	Value	Quantity	Value
			\$		\$
(a) Imports					
Coal tar, crude	Imp. gal.	862,041	164,581	1,815,522	290,781
Coal pitch	lb.	107,067.800	1,629,933	149,587,300	2,413,038
Carbolic or heavy oil.....	Imp. gal.	4,995,612	941,934	3,410,261	669,418
(b) Exports					
Coal tar and pitch	Imp. gal.	871,281	97,364	201	258
Creosote oil	Imp. gal..	—	—	429,127	92,691
Coal tar oils, other	Imp. gal.	1,322,804	335,467	1,226,392	414,665

List of Firms in the Coal Tar Distillation Industry, 1955

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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