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THE COAL TAR DISTILLATION INDUSTRY

1954

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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.

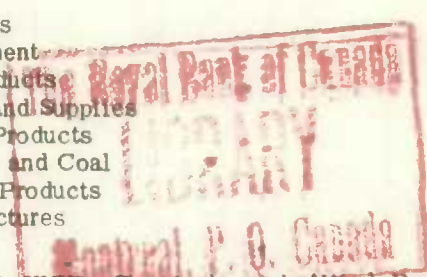
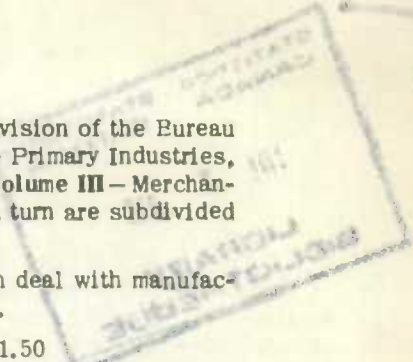
Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- 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, 25¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 25¢
 - 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¢

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THE COAL TAR DISTILLATION INDUSTRY

1954

Output from the Coal Tar Distillation Industry in Canada in 1954 was valued at \$12,878,275, a decline of 5.6 per cent from 1953. Factory shipments of creosote oils totalled 10,959,458 gallons at \$2,978,245 in 1954; refined tars amounted to 4,641,583 gallons at \$825,996 and pitch totalled 135,912 tons at \$4,756,895. 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 1954, 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 544 people who were paid \$2,101,870 in salaries and wages.

Materials for manufacturing in 1954 cost \$7,417,777, including 38,542,083 gallons of crude tars at \$5,286,405. In addition, an amount of \$655,821 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, 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 figure for 1954.

TABLE 1. Principal Statistics of the Coal Tar Distillation Industry, Significant Years 1929-1954

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
1950	11	457	1,274,395	633,181	6,057,087	3,342,970	10,033,238
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

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, 1954

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening	946,422	110,784	848,756	1,905,962
Closing	760,622	143,334	796,306	1,700,262

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

1. (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, 1953 and 1954

Product	Unit of measure	1953		1954	
		Quantity	Value of factory shipments	Quantity	Value of factory shipments
			\$		\$
Refined tar.....	Imp. gal.	4,742,967	842,477	4,641,583	825,996
Pitch.....	ton	132,737	4,783,378	135,912	4,756,895
Creosote oils.....	Imp. gal.	13,750,179	3,846,145	10,959,458	2,978,245
All other products ¹	—	—	4,162,899	—	4,317,139
Total	—	—	13,634,899	—	12,878,275

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, 1953 and 1954

Material	Unit of measure	1953		1954	
		Quantity	Cost at plant	Quantity	Cost at plant
			\$		\$
Crude coal tar	Imp. gal.	43,367,990	5,832,152	37,045,152	5,125,363
Crude water gas tar	" "	2,032,717	216,538	1,496,931	161,042
Asphalt.....	" "	3,553,000	399,999	3,932,054	452,393
Containers and packing materials.....	—	—	423,302	—	604,997
All other materials	—	—	679,114	—	1,073,982
Total	—	—	7,551,105	—	7,417,777

TABLE 5. Production¹ of Creosote Oils, Pitch and Refined Tars, 1945-1954

Year	Creosote and other oils	Pitch	Refined tar, tarvia, etc.
	Imp. gal.	Tons	Imp. gal.
1945	10,244,257	68,144	10,477,777
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

1. Factory shipments since 1953.

TABLE 6. Crude Tar Used in Tar Distilleries, 1945-1954

Year	Imp. gal.	Year	Imp. gal.
1945	38,034,109	1950	41,324,989
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	32,428,306	1954	38,542,083

TABLE 7. Employees and Their Earnings in the Coal Tar Distillation Industry, 1950 - 1954

Year	Number of employees				Total	Earnings		
	Supervisory and office		Workmen			Supervisory and office	Workmen	Total
	Male	Female	Male	Female				
					\$	\$	\$	
1950.....	80	28	349	—	457	331,842	942,553	1,274,395
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

TABLE 8. Production Workers, by Months, 1953 and 1954

Month	1953			1954		
	Male	Female	Total	Male	Female	Total
	Number					
January.....	367	4	371	362	6	368
February.....	378	4	382	361	6	367
March.....	378	4	382	367	6	373
April.....	392	4	396	356	7	363
May.....	417	4	421	370	7	377
June.....	419	4	423	380	7	387
July.....	436	4	440	377	7	384
August.....	424	4	428	391	7	398
September.....	402	4	406	381	7	388
October.....	405	4	409	371	7	378
November.....	405	4	409	368	7	375
December.....	396	4	400	361	7	368
Average.....	401	4	405	370	7	377

TABLE 9. Capital and Repair Expenditures in the Coal Tar Distillation Industry, 1950-1954¹

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						
1950.....	2	2	46	2	2	392	438
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 ¹	2	2	230	2	2	586	816

1. Preliminary.

2. Not available separately — see sub-total.

TABLE 10. Imports and Exports of Coal Tar, Pitch, Etc., 1953 and 1954

Item	Unit of measure	1953		1954	
		Quantity	Value	Quantity	Value
			\$		\$
(a) Imports					
Coal tar, crude.....	Imp. gal.	5,621,512	814,184	862,041	164,581
Coal pitch.....	lb.	88,002,600	1,379,043	107,067,800	1,629,933
Carbolic or heavy oil	Imp. gal.	5,076,165	1,007,452	4,995,612	941,934
(b) Exports					
Coal tar and pitch	Imp. gal.	905,570	110,710	871,281	97,364
Creosote oil	—	—	—	—	—
Coal tar oils, other	Imp. gal.	2,672,411	933,957	1,322,804	335,467

List of Firms in the Coal Tar Distillation Industry, 1954

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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