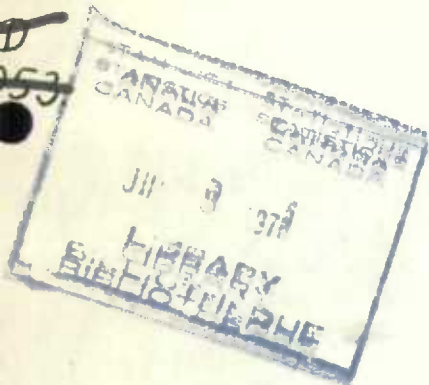


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# THE COAL TAR DISTILLATION INDUSTRY 1953

*Published by Authority of*  
The Right Honourable C. D. Howe, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS  
Industry and Merchandising Division  
Metal and Chemical Products Section

6512-377  
17-8-54

Price 25 cents

Vol. 2—Part XVI—O-1

EDMOND CLOUTIER, C.M.G., O.A., D.S.P., Queen's Printer and Controller of Stationery, Ottawa, 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 which they comprise.

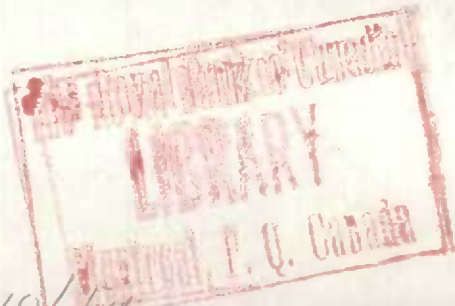
Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I - General Review of the Manufacturing Industries, \$1.50
- II - The Manufacturing Industries, by Provinces
  - Section 1. Principal Statistics of Major Industrial Groups and Leading Industries, 50¢
  - Section 2. Principal Statistics of Individual Industries, 75¢
  - Section 3. Principal Statistics by Regional Distribution, 75¢
- III - Foods and Beverages
- IV - Tobacco and Tobacco Products
- V - Rubber Products
- VI - Leather Products
- VII - Textiles
- VIII - Wood and Paper Products
- IX - Printing Trades
- X - Iron and Steel Products
- XI - Transportation Equipment
- XII - Non-ferrous Metal Products
- XIII - Electrical Apparatus and Supplies
- XIV - Non-metallic Mineral Products
- XV - Products of Petroleum and Coal
- XVI - Chemicals and Allied Products
- XVII - Miscellaneous Manufactures

The present report belongs in Part XVI, 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

## 1953

Output from the Coal Tar Distillation Industry in Canada in 1953 was valued at \$13,634,899 or 7.9 per cent more than in 1952. Factory shipments of creosote oils totalled 13,750,179 gallons at \$3,846,145 in 1953; refined tars amounted to 4,742,967 gallons at \$842,477 and pitch totalled 132,737 tons at \$4,783,378. 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 1953, 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 541 people who were paid \$1,861,353 in salaries and wages.

Materials for manufacturing in 1953 cost \$7,551,105 including 45,400,707 gallons of crude tars at \$6,048,690. In addition, an amount of \$755,122 was paid for fuel and electricity.

**TABLE 1. Principal Statistics of the Coal Tar Distillation Industry, 1949-1953**

Year	Number of distilleries	Number of employees	Salaries and wages for year	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1949 .....	11	415	1,166,863	549,310	4,786,640	9,332,787
1950 .....	11	457	1,274,395	633,181	6,057,087	10,033,238
1951 .....	11	468	1,442,776	668,588	7,077,237	12,077,290
1952 .....	11	500	1,679,495	655,814	7,143,102	12,634,276
1953 .....	11	541	1,861,353	755,122	7,551,105	13,634,899

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. Products of the Coal Tar Distillation Industry, 1952 and 1953**

Product	Unit of measure	1952		1953	
		Quantity	Selling value at works	Quantity	Selling value at works
			\$		\$
Refined tar .....	Imp. gal.	3,976,884	715,905	4,742,967	842,477
Pitch .....	ton	131,742	4,477,039	132,737	4,783,378
Creosote oils .....	Imp. gal.	11,608,114	3,226,226	13,750,179	3,846,145
All other products <sup>1</sup> .....	—	—	4,215,106	—	4,162,899
<b>Total</b> .....	—	—	<b>12,634,276</b>	—	<b>13,634,899</b>

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 3. Materials Used in the Coal Tar Distillation Industry, 1952 and 1953**

Material	Unit of measure	1952		1953	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Crude coal tar .....	Imp. gal.	39,700,511	5,453,968	43,367,990	5,832,152
Crude water gas tar .....	" "	3,336,400	346,736	2,032,717	216,538
Asphalt .....	" "	3,132,656	379,666	3,553,000	399,999
Containers and packing materials .....	—	—	268,759	—	423,302
All other materials .....	—	—	693,973	—	679,114
<b>Total</b> .....	—	—	<b>7,143,102</b>	—	<b>7,551,105</b>

TABLE 4. Production of Creosote Oils, Pitch and Refined Tars, 1944-1953

Year	Creosote and other oils	Pitch	Refined tar, tarvia, etc.
	Imp. gal.	Tons	Imp. gal.
1944	10,737,128	81,596	9,574,824
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

TABLE 5. Crude Tar Used in Tar Distilleries, 1944-1953

Year	Imp. gal.	Year	Imp. gal.
1944	38,241,476	1949	32,428,300
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

TABLE 6. Imports and Exports of Coal Tar, Pitch, Etc., 1952 and 1953

Item	Unit of measure	1952		1953	
		Quantity	Value	Quantity	Value
(a) Imports			\$		\$
Coal tar, crude	Imp. gal.	4,294,592	675,141	5,621,512	814,184
Coal pitch	lb.	66,361,600	968,766	88,002,600	1,379,043
Carbolic or heavy oil	Imp. gal.	2,846,180	535,978	5,076,165	1,007,452
(b) Exports					
Coal tar and pitch	Imp. gal.	661,020	80,412	905,570	110,710
Creosote oil	"	1,763,351	361,493	—	—
Coal tar oils, other	"	2,842,057	965,786	2,672,411	933,957

TABLE 7. Employees and Their Earnings in the Coal Tar Distillation Industry, 1949-1953

Year	Number of employees					Earnings		
	Supervisory and office		Workmen		Total	Supervisory and office	Workmen	Total
	Male	Female	Male	Female				
1949	74	28	313	—	415	303,946	862,917	1,166,863
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

TABLE 8. Capital and Repair Expenditures in the Coal Tar Distillation Industry, 1949-1953

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			
1949 .....	182	183	365	102	178	280	645
1950 .....	5	41	46	1	391	392	438
1951 .....	10	185	195	19	458	477	672
1952 .....	296	1,235	1,531	28	521	549	2,080
1953 <sup>1</sup> .....	143	579	722	34	530	564	1,286

1. Preliminary.

TABLE 9. Fuel and Electricity Used<sup>1</sup> in the Coal Tar Distillation Industry, 1948 and 1953

Kind	Unit of measure	1948		1953	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal - Canadian .....	ton	17,352	165,674	4,877	65,873
Imported .....	ton	1,440	16,285	17,998	175,511
Anthracite coal .....	ton	3,939	42,090	-	-
Lignite coal .....	ton	67	333	-	-
Gasoline .....	Imp. gal.	12,745	4,884	52,665	20,690
Fuel oil .....	Imp. gal.	1,853,666	238,773	3,413,176	329,847
Wood .....	cord	505	2,157	126	628
Gas - Liquefied petroleum gases (propane, etc.) .....	Imp. gal.	2	2	-	-
Manufactured .....	M cu. ft.	46,734	41,792	58,013	63,544
Other fuel .....	-	-	100	-	-
Electricity purchased .....	k.w.h.	4,580,341	30,542	12,242,778	99,029
<b>Total</b> .....	-	-	<b>542,630</b>	-	<b>755,122</b>

1. Details shown in Tables 9 and 10 are collected only every five years; accordingly, data for intervening years are not available.

2. Not available separately.

TABLE 10. Power Equipment<sup>1</sup>, 1948 and 1953

	Ordinarily in use		In reserve or idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
1948				
Steam engines and steam turbines .....	2	21	2	30
Electric motors run by purchased power .....	148	1,854	22	213
<b>Total</b> .....	<b>150</b>	<b>1,875</b>	<b>24</b>	<b>243</b>
Boilers for power purposes only .....	15	1,918	4	315
Motor-generator sets .....	-	-	-	-
1953				
Steam engines and steam turbines .....	2	36	1	30
Electric motors run by purchased power .....	271	3,893	14	76
<b>Total</b> .....	<b>273</b>	<b>3,929</b>	<b>15</b>	<b>106</b>
Boilers for power purposes only .....	6	905	1	350
Motor-generator sets .....	1	300 k.v.a.	2	144 k.v.a.

1. See footnote to Table 9.



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## List of Firms in the Coal Tar Distillation Industry, 1953

Name	Head office address	Location of plants
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