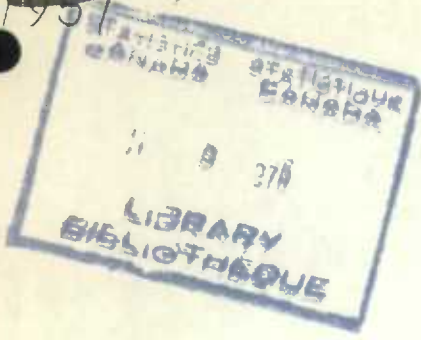


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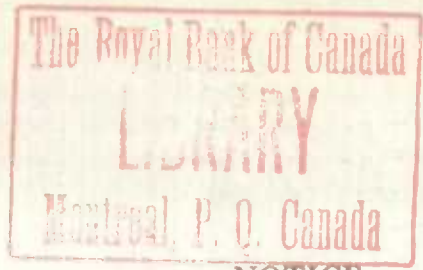
# THE COAL TAR DISTILLATION INDUSTRY

1951

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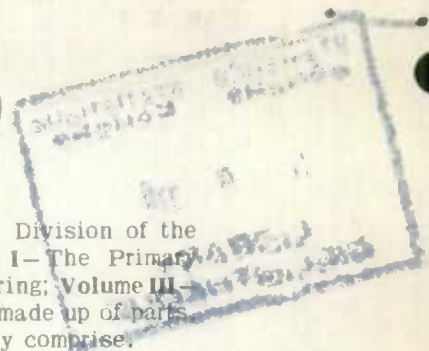
Prepared in the Mining, Metallurgical and Chemical Section  
Industry and Merchandising Division  
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**NOTICE**

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 4 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries; **Volume II**—Manufacturing; **Volume III**—Construction; **Volume IV**—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 Fertilizer Manufacturing 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¢.

(24 Dec 52)

# THE COAL TAR DISTILLATION INDUSTRY

1951

Output from the coal tar distillation industry in Canada in 1951 was valued at \$12,077,290 or 20 per cent more than in 1950. Production of creosote oils totalled 11,726,520 gallons at \$3,104,240 in 1951; refined tars amounted to 4,377,223 gallons at \$791,552 and pitch totalled 112,141 tons at \$3,875,498. 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 1951, 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 468 people who were paid \$1,442,776 in salaries and wages.

Materials for manufacturing in 1951 cost \$7,077,237, including 40,260,705 gallons of crude tars at \$5,253,981. In addition, an amount of \$668,588 was paid for fuel and electricity.

TABLE 1. Principal Statistics of the Coal Tar Distillation Industry, 1947-1951

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	Net <sup>1</sup> value of production
			\$	\$	\$	\$	\$
1947 .....	11	399	790,727	389,999	3,854,508	6,344,088	2,099,581
1948 .....	11	380	881,907	542,630	5,076,131	8,077,247	2,458,486
1949 .....	11	415	1,166,863	549,310	4,786,640	9,332,787	3,996,837
1950 .....	11	457	1,274,395	633,181	6,057,087	10,033,238	3,342,970
1951 .....	11	468	1,442,776	668,588	7,077,237	12,077,290	4,331,465

1. Gross selling value less cost of materials, fuel and electricity.

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, 1950 and 1951

Product		1950		1951	
		Quantity	Selling value at works	Quantity	Selling value at works
			\$		\$
Refined tar .....	Imp. gal.	4,324,803	661,048	4,377,223	791,552
Pitch .....	tons	113,510	3,437,514	112,141	3,875,498
Creosote oils .....	Imp. gal.	11,728,014	2,616,347	11,726,520	3,104,240
All other products <sup>1</sup> .....	—	—	3,318,329	—	4,306,000
<b>Total</b> .....	—	—	<b>10,033,238</b>	—	<b>12,077,290</b>

1. Includes coal tar paints, cements and disinfectants, 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, 1950 and 1951

Material		1950		1951	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Crude coal tar .....	Imp. gal.	39,563,571	4,451,668	38,418,300	5,057,485
Crude water gas tar .....	Imp. gal.	1,761,418	169,709	1,842,405	196,496
Asphalt .....	Imp. gal.	4,478,267	563,412	6,040,754	1,071,478
Containers and packing materials .....	-	-	211,944	-	272,585
All other materials .....	-	-	660,354	-	479,193
<b>Total</b> .....	-	-	<b>6,057,087</b>	-	<b>7,077,237</b>

TABLE 4. Production of Creosote Oils, Pitch and Refined Tars, 1942-1951

Year	Creosote and other oils	Pitch	Refined tar, tarvia, etc.
	Imp. gal.	Tons	Imp. gal.
1942 .....	14,964,134	91,717	5,334,077
1943 .....	10,321,918	107,430	3,458,842
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	4,977,233

TABLE 5. Crude Tar Used in Tar Distilleries, 1942-1951

Year	Imp. gal.	Year	Imp. gal.
1942 .....	37,978,500	1947 .....	32,174,985
1943 .....	40,307,935	1948 .....	32,975,053
1944 .....	38,241,476	1949 .....	32,428,300
1945 .....	38,034,109	1950 .....	41,324,989
1946 .....	34,889,946	1951 .....	40,260,705

TABLE 6. Imports and Exports of Coal Tar, Pitch, Etc., 1950 and 1951

Item		1950		1951	
		Quantity	Value	Quantity	Value
			\$		\$
<b>(a) Imports</b>					
Coal tar, crude .....	Imp. gal.	5,869,713	744,577	7,231,455	1,074,355
Coal pitch .....	lb.	35,239,600	458,054	82,145,800	1,181,306
Carbolic or heavy oil .....	Imp. gal.	4,167,024	804,023	3,490,780	679,039
<b>(b) Exports</b>					
Coal tar and pitch .....	Imp. gal.	2,708	1,363	621,087	71,883
Creosote oil .....	Imp. gal.	8,527	2,929	6,742	1,861
Coal tar oils, other .....	Imp. gal.	3,137,371	775,253	2,363,018	857,072



**TABLE 7. Employees and their Earnings in the Coal Tar Distillation Industry, 1949-1951**

Year	Number of Employees				Total	Earnings		
	Supervisory and office		Workmen			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

**List of Firms in the Coal Tar Distillation Industry, 1951**

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

1. The first section of the report discusses the general background of the study and the objectives of the research. It also outlines the methodology used in the study and the results of the data analysis.

2. The second section of the report discusses the specific findings of the study and the implications of these findings for the field of research. It also discusses the limitations of the study and the need for further research.

3. The third section of the report discusses the conclusions of the study and the recommendations for future research. It also discusses the significance of the study and the contribution it makes to the field of research.

4. The fourth section of the report discusses the appendixes of the study and the additional information provided in these appendixes. It also discusses the references used in the study and the sources of the data used in the study.

5. The fifth section of the report discusses the index of the study and the location of the various sections of the report. It also discusses the format of the report and the style of the writing.

6. The sixth section of the report discusses the acknowledgments of the study and the individuals and organizations that provided support and assistance during the course of the study.

7. The seventh section of the report discusses the bibliography of the study and the list of references used in the study. It also discusses the sources of the data used in the study and the methods used to collect and analyze the data.

8. The eighth section of the report discusses the glossary of the study and the definitions of the various terms used in the study. It also discusses the abbreviations used in the study and the symbols used in the study.

9. The ninth section of the report discusses the index of the study and the location of the various sections of the report. It also discusses the format of the report and the style of the writing.

10. The tenth section of the report discusses the conclusions of the study and the recommendations for future research. It also discusses the significance of the study and the contribution it makes to the field of research.

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