

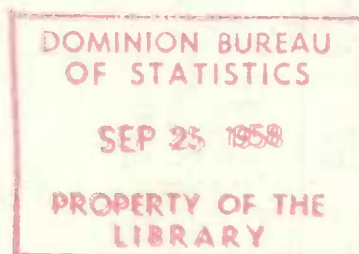
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ANNUAL



THE COAL TAR DISTILLATION INDUSTRY
1957



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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¢

THE COAL TAR DISTILLATION INDUSTRY

1957

Output from the Coal Tar Distillation Industry in 1957 was valued at \$13,663,996 an increase of 3.3 per cent over 1956. Factory shipments of creosote oils totalled 11,984,155 gallons valued at \$3,188,592 in 1957; refined tars amounted to 2,346,469 gallons at \$672,733 and pitch totalled 120,660 tons at \$5,354,758. 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 530 people who were paid \$2,600,013 in salaries and wages.

Materials for manufacturing cost \$8,200,347 in 1957 including 40,945,518 gallons of crude tars at \$6,103,473. In addition an amount of \$770,891 was paid for fuel and electricity.

TABLE 1. Principal Statistics of the Coal Tar Distillation Industry, Significant Years, 1929-1957

Year	Estab-lish-ments	Em-ployees	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
	number		\$	\$	\$	\$	\$
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
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
1956	11	537	2,458,014	703,832	8,048,543	4,549,278	13,221,192
1957	11	530	2,600,013	770,891	8,200,347	4,809,942	13,663,996

¹ Due to lack of inventory data, figures for "Value added by manufacture" prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity, from the total value of factory shipments. In 1954 and 1955 the "Value added" adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the "Value added" figure was further adjusted to take into account the "Goods in process" as well as the finished goods held at plant or plant warehouse.

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. Inventories¹, 1957

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening	637,354	164,793	1,374,556	2,176,703
Closing	926,411	138,422	1,518,111	2,582,944

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, 1956 and 1957

Product	1956		1957	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
		\$		\$
Refined tar Imp. gal.	3,816,392	809,979	2,346,469	672,733
Pitch ton	134,195	5,657,044	120,660	5,354,758
Creosote oils Imp. gal.	9,630,724	2,613,026	11,984,155	3,188,592
All other products ¹	—	4,141,143	—	4,447,913
Total	—	13,221,192	—	13,663,996

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, 1956 and 1957

Material	1956		1957	
	Quantity	Cost at plant	Quantity	Cost at plant
		\$		\$
Crude coal tar Imp. gal.	41,669,919	5,857,399	39,907,201	5,963,177
Crude water-gas tar "	1,471,968	189,134	1,038,317	140,296
Asphalt "	167,178	22,203	140,959	23,871
Containers and packing materials	—	504,394	—	526,920
All other materials	—	1,475,413	—	1,546,083
Total	—	8,048,543	—	8,200,347

TABLE 5. Production¹ of Creosote Oils, Pitch and Refined Tars, 1948-1957

Year	Creosote and other oils	Pitch	Refined tar, tarvia, etc.
	Imp. gal.	tons	Imp. gal.
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.....	10,559,458	135,912	4,641,583
1955.....	10,240,525	119,649	3,559,726
1956.....	9,630,724	134,195	3,816,392
1957.....	11,984,000	120,660	2,346,000

¹ Factory shipments since 1953.

TABLE 6. Crude Tar Used in Tar Distilleries, 1948-1957

Year	Imp. gal.	Year	Imp. gal.
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.....	43,141,887
1952.....	43,037,000	1957.....	40,946,000

TABLE 7. Employees and Their Earnings in the Coal Tar Distillation Industry, 1953-1957

Year	Number of employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
						\$	\$	\$
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
1957.....	128	33	365	4	530	1,160,986	1,439,027	2,600,013

TABLE 8. Production Workers, by Months, 1956 and 1957

Month	1956			1957		
	Male	Female	Total	Male	Female	Total
	number					
January.....	364	6	370	365	4	369
February.....	357	6	363	370	4	374
March.....	371	6	377	369	4	373
April.....	371	6	377	373	4	377
May.....	380	6	386	350	4	354
June.....	383	6	389	366	4	370
July.....	396	6	402	387	4	391
August.....	392	6	398	377	4	381
September.....	388	6	394	366	4	370
October.....	376	6	382	358	4	362
November.....	378	6	384	349	4	353
December.....	379	6	385	345	4	349
Average.....	377	6	383	365	4	369

TABLE 9. Capital and Repair Expenditures in the Coal Tar Distillation Industry, 1953-1957

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						
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	227	2	2	699	926
1957 ¹	2	2	696	2	2	548	1,244

¹ Preliminary.² Not available separately - see sub-total.

TABLE 10. Imports and Exports of Coal Tar, Pitch, etc., 1956 and 1957

Item	1956		1957	
	Quantity	Value	Quantity	Value
		\$		\$
Imports				
Coal tar, crude Imp. gal.	531,572	103,884	1,186,232	201,149
Coal pitch lb.	152,956,500	2,743,374	138,939,900	2,666,172
Carbolic or heavy oil Imp. gal.	3,471,457	662,513	4,165,969	888,075
Exports				
Coal tar and pitch Imp. gal.	2,332,422	320,434	1,880,203	303,246
Creosote oil "	741,235	160,164	2,024,154	443,228
Coal tar oils, other "	1,608,266	461,013	1,698,096	499,080

TABLE 11. Fuel and Electricity Used in the Coal Tar Distillation Industry, 1956 and 1957

Kind	1956		1957	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Bituminous coal—Canadian ton	—	—	1,374	19,920
Imported "	13,901	147,206	15,125	172,792
Sub-bituminous coal "	19	115	57	374
Anthracite coal "	930	10,895	—	—
Gasoline (including gasoline used in cars and trucks) Imp. gal.	49,241	19,866	41,483	17,220
Fuel oil "	3,501,334	366,308	3,526,421	393,483
Gas—manufactured M cu. ft.	205,402	66,415	268,686	70,550
Electricity purchased kwh.	12,456,971	93,027	14,028,941	96,024
Other fuel —	—	—	—	528
Total	—	703,832	—	770,891

List of Firms in the Coal Tar Distillation Industry, 1957

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, Ont.



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