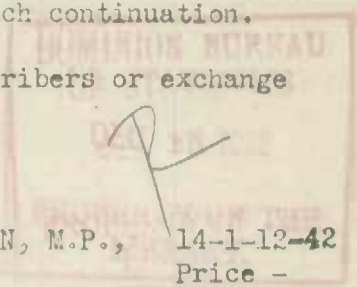


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Published by Authority of the HON. JAMES A. MACKINNON, M.P., Minister of Trade and Commerce 14-1-12-42 Price - 15 cents.

DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY  
MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA

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ANNUAL INDUSTRY BULLETIN

CHEMICALS AND ALLIED PRODUCTS GROUP

THE COAL TAR DISTILLATION INDUSTRY, 1941

The coal tar distillation industry in Canada had an output in 1941 valued at \$5,146,443 compared with \$4,975,087 in 1940, an increase of 3.4 per cent. Production was from the same 10 distilleries which were in operation in previous years, 4 of these being located in Ontario, 2 in Quebec, 2 in Manitoba, 1 in British Columbia, and 1 in Nova Scotia. Their chief products were creosote and other oils, pitch, refined tar, tarred felts and sheathings, pitch coke, protective paints, phenol, cresol and cresylic acid.

The average number of workers employed in the industry in 1941 was 367 and salaries and wages paid during the year amounted to \$620,129.

Materials used for manufacturing in 1941 cost \$3,218,530, including 37,636,915 gallons of crude tar valued at \$2,687,271. In addition \$276,628 was spent for fuel and electricity for heating and power purposes.

Coal Tar Distillation

Table 1 - PRINCIPAL STATISTICS OF THE COAL TAR DISTILLATION INDUSTRY IN CANADA, 1935 - 1941

Year	Number of distilleries	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
1935 ..	10	4,725,668	204	273,279	131,391	1,523,137	2,606,333
1936 ..	10	4,507,861	216	237,819	134,060	1,516,122	2,942,255
1937 ..	10	4,392,474	254	357,744	170,910	2,189,237	3,339,541
1938 ..	10	4,780,847	257	356,564	158,649	1,742,366	2,895,237
1939 ..	10	4,940,020	302	393,522	163,950	2,108,544	3,648,080
1940 ..	10	4,144,389	323	459,374	237,242	2,480,378	4,975,087
1941 ..	10	4,407,409	367	620,129	276,628	3,213,530	5,146,443

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 - CAPITAL EMPLOYED, 1935 - 1941

Year	Present value of land, buildings, machinery and other equipment	Inventory value of materials, fuel and other supplies on hand, finished products and stocks in process	Operating capital (cash, bills and accounts receivable)	TOTAL CAPITAL EMPLOYED
				\$
1935 ..	2,407,839	865,829	1,452,000	4,725,668
1936 ..	2,355,138	853,080	1,294,643	4,507,861
1937 ..	2,423,640	635,120	1,333,714	4,392,474
1938 ..	2,430,786	873,602	1,476,459	4,780,847
1939 ..	2,740,165	744,111	1,455,744	4,940,020
1940 ..	2,742,735	792,742	608,912	4,144,389
1941 ..	2,758,813	938,154	710,437	4,407,409

Table 3 - EMPLOYEES, SALARIES AND WAGES, 1935 - 1941

Year	Number of Employees			Salaries	Wages	TOTAL SALARIES and WAGES
	On salaries	On wages	TOTAL			
				\$	\$	\$
1935 ....	34	170	204	85,886	187,393	273,279
1936 ....	36	180	216	89,272	198,547	287,819
1937 ....	38	216	254	100,347	257,397	357,744
1938 ....	42	215	257	106,566	249,998	356,564
1939 ....	42	260	302	112,106	281,416	393,522
1940 ....	43	280	323	119,714	339,660	459,374
1941 ....	81	286	367	233,152	386,977	620,129

Coal Tar Distillation

Table 4 - NUMBER OF WAGE-EARNERS, BY MONTHS, 1940 and 1941 (Number on payroll on the last work day of each month)

Months	1940	1941	Months	1940	1941
	Number	Number		Number	Number
January .....	286	290	August .....	287	285
February .....	263	293	September .....	274	279
March .....	290	297	October .....	273	285
April .....	261	292	November .....	295	283
May .....	276	289	December .....	287	273
June .....	291	264	AVERAGE .....	280	286
July .....	288	288			

Table 5 - HOURS WORKED PER WEEK, BY WAGE-EARNERS, 1940 and 1941 (In one week in months of highest employment; overtime included)

Regular hours worked per week	No. of wage-earners		Regular hours worked per week	No. of wage-earners	
	1940	1941		1940	1941
30 or less	37	28	51 - 54	14	37
31 - 43	16	16	55	14	11
44	23	16	56 - 64	59	101
45 - 47	4	9	65 and over	128	128
48	11	15	Total	325	379
49 - 50	19	18	Total wages paid in selected week	\$9,467	\$10,774

Table 6 - FUEL AND ELECTRICITY USED, 1940 and 1941.

Kinds	Unit of measure	1940		1941	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Anthracite .....	Ton	1,122	5,975	1,004	5,733
Bituminous - Canadian ...	Ton	2,015	11,549	2,321	13,937
Imported ...	Ton	9,500	61,545	10,087	74,784
Lignite coal .....	Ton	713	2,885	732	2,993
Coke .....	Ton	4,183	17,617	3,560	21,089
Fuel oil .....	Imp. gal.	450,511	24,642	637,333	39,991
Wood .....	Cord	108	238	248	665
Other fuel (chiefly tar and heavy creosote) ...		-	100,795	-	104,394
Electricity purchased ...	K.W.H.	656,128	11,946	1,162,472	13,542
TOTAL .....	\$	...	237,242	...	276,628



Coal Tar Distillation

Table 7 - POWER EQUIPMENT, 1940 and 1941.

	Ordinarily in use		In reserve or idle	
	Number of units	Total rated horsepower	Number of units	Total rated horsepower
<u>1940</u>				
Steam engines and steam turbines ..	3	33	2	30
Gasoline, gas and oil engines ...	2	150	1	75
Electric motors run by purchased power .....	78	639	17	96
<b>TOTAL</b> .....	<b>83</b>	<b>822</b>	<b>20</b>	<b>201</b>
<b>Stationary boilers</b> .....	<b>14</b>	<b>1,451</b>	<b>4</b>	<b>315</b>
<u>1941</u>				
Steam engines and steam turbines ..	3	33	2	30
Gasoline, gas and oil engines ....	2	150	1	75
Electric motors run by purchased power .....	81	565	17	95
<b>TOTAL</b> .....	<b>86</b>	<b>748</b>	<b>20</b>	<b>200</b>
<b>Stationary boilers</b> .....	<b>14</b>	<b>1,570</b>	<b>4</b>	<b>315</b>

Table 8 - MATERIALS USED, 1940 and 1941.

Materials	1940		1941	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Crude tar ..... Imp.gal.	30,697,498	1,973,632	37,636,915	2,637,271
All other materials ..	--	506,746	--	531,259
<b>TOTAL</b> .....	<b>--</b>	<b>2,480,378</b>	<b>--</b>	<b>3,218,530</b>

Table 9 - PRODUCTS MADE, 1940 and 1941.

Products	1940		1941	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Refined tar ..... Imp.gal.	7,790,790	371,514	6,766,458	748,917
Pitch ..... Tons	45,724	360,183	85,113	1,313,861
Creosote and other oils. Imp.gal.	14,323,763	2,050,153	11,894,370	1,742,996
All other products ...	--	1,193,231	--	1,340,669
<b>TOTAL</b> .....	<b>--</b>	<b>4,975,087</b>	<b>--</b>	<b>5,146,443</b>