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Published by Authority of the HON. JAMES A. MACKINNON, M.P., 28-8-2-44
Minister of Trade and Commerce

Price -
15 cents.

DEPARTMENT OF TRADE AND COMMERCE
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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, 1942

The coal tar distillation industry in Canada had an output in 1942 valued at \$6,805,791 compared with \$5,146,443 in 1941, an increase of 32.2 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 1942 was 392 and salaries and wages paid during the year amounted to \$708,857.

Materials used for manufacturing in 1942 cost \$3,833,826 including 37,542,547 gallons of crude tar valued at \$3,043,221. In addition \$254,419 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 - 1942

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	2,606,338
1936 ..	10	4,507,861	216	287,819	134,060	1,516,122	2,942,255
1937 ..	10	4,392,474	254	357,744	170,910	2,189,237	3,399,541
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	3,218,530	5,146,443
1942 ..	10	4,606,201	392	708,857	254,419	3,833,826	6,805,791

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 - 1942. (On the last day of the year)

Year	Present value of land, buildings, machinery and other equipment	Value of Inventories		Operating capital (cash, bills and accounts receivable)	TOTAL CAPITAL EMPLOYED
		Materials, fuel and other supplies on hand, and stocks in process	Finished products on hand		
	\$	\$	\$	\$	\$
1935 ..	2,407,839		865,829	1,452,000	4,725,668
1936 ..	2,355,138		858,080	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 ..	2,758,818	355,283	582,871	710,437	4,407,409
1942 ..	2,783,633	524,063	278,281	1,020,224	4,606,201

Table 3 - EMPLOYEES, SALARIES AND WAGES, 1935 - 1942.

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
1942	95	297	392	258,818	450,039	708,857

Coal Tar Distillation

Table 4 - NUMBER OF WAGE-EARNERS, BY MONTHS, 1941 and 1942 (Number on payroll on the last work day of each month)

Month	1941	1942	Months	1941	1942
	Number	Number		Number	Number
January	290	295	August	285	285
February	293	301	September	279	287
March	297	296	October	285	294
April	292	302	November	283	304
May	289	293	December	273	305
June	264	316	AVERAGE	286	297
July	288	281			

Table 5 - HOURS WORKED PER WEEK, BY WAGE-EARNERS, 1941 and 1942 (In one week in month of highest employment; overtime included)

Hours worked per week	No. of wage-earners		Hours worked per week	No. of wage-earners	
	1941	1942		1941	1942
30 or less	28	28	51 - 54	37	45
31 - 43	16	28	55	11	10
44	16	12	56 - 64	101	92
45 - 47	9	18	65 and over	128	56
48	15	34			
49 - 50	18	21	Total	379	344
			Total wages paid in selected week	\$10,774	\$10,449

Table 6 - FUEL AND ELECTRICITY USED, 1941 and 1942.

Kind	Unit of measure	1941		1942	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Anthracite	Ton	1,004	5,733	1,822	13,415
Bituminous - Canadian ..	Ton	2,321	13,937	13,759	96,625
Imported ..	Ton	10,087	74,784	2,898	22,564
Lignite coal	Ton	732	2,993	802	3,347
Coke	Ton	3,560	21,089	4,204	22,794
Fuel oil	Imp. gal.	637,333	38,991	668,150	53,109
Wood	Cord	248	665	357	1,039
Other fuel (chiefly tar and heavy creosote) ...		-	104,894	-	26,727
Electricity purchased ..	K.W.H.	1,162,472	13,542	1,298,639	14,799
TOTAL	\$		276,628		254,419



Coal Tar Distillation

Table 7 - POWER EQUIPMENT, 1941 and 1942.

	Ordinarily in use		In reserve or idle	
	Number of units	Total rated horsepower	Number of units	Total rated horsepower
<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
TOTAL	86	748	20	200
Stationary boilers	14	1,570	4	315
<u>1942</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	570	19	95
TOTAL	86	753	22	200
Stationary boilers	13	1,485	4	315

Table 8 - MATERIALS USED, 1941 and 1942.

Material	1941		1942	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Crude tar	Imp. gal. 37,636,915	2,687,271	37,978,500	3,070,178
All other materials	-	531,259	-	763,648
TOTAL	-	3,218,530	-	3,833,826

Table 9 - PRODUCTS MADE, 1941 and 1942.

Product	1941		1942	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Refined tar	Imp. gal. 6,766,458	748,917	5,334,077	593,747
Pitch	Tons 85,113	1,313,861	91,717	1,555,782
Creosote and other oils	Imp. gal. 11,894,870	1,742,996	11,964,134	2,413,784
All other products	-	1,340,669	-	2,242,478
TOTAL	-	5,146,443	-	6,805,791