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

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CHEMICALS AND ALLIED PRODUCTS GROUP

FINAL SUMMARY STATISTICS - 1939

Final statistics for 1939 place the output value of chemicals and allied products at \$159,536,934 or 9.2 per cent more than in 1938, and 7.8 per cent more than the former record of \$148,973,220 established in 1937.

The principal statistics for each of the 13 industries in the chemicals and allied products group are given in the accompanying tables. All industries showed substantial improvement over 1938, the percentage gains being as follows: coal tar distillation, 26.0; acids, alkalies and salts, 12.6; compressed gases, 6.8; fertilizers, 2.6; medicinals, 10.9; paints, 6.3; soaps, 10.4; inks, 8.6; hardwood distillation, 8.0; adhesives, 10.8, and miscellaneous chemical products, 10.4; toilet preparations, 1.0 per cent and polishes and dressings 11.8 per cent.

In 1939 there were 808 factories in operation in this chemical group, representing an investment in fixed and working capital of \$172 millions and employing 22,595 persons. Over \$65 millions were spent on materials for manufacturing, \$31 millions for salaries and wages and about \$5 millions for fuel and electricity.

About 57 per cent of the production was from Ontario with 424 establishments and output valued at \$89,939,135. Quebec with 251 factories and production worth \$48,803,401, accounted for 31 per cent of the total, and British Columbia with 50 plants and output valued at \$10,561,396 accounted for 7 per cent.

Canada's foreign trade in chemicals and allied products was at a record level in 1939. Imports reflecting the increased requirements of expanding domestic industry advanced 24.1 per cent to \$43,705,905, and exports, reflecting the greater production in Canada's chemical plants, gained 24.4 per cent to \$24,263,342. The United States supplied 70.2 per cent of the imports in 1939 as against 63.5 per cent in 1938, while shipments from the United Kingdom made up only 16.9 per cent compared with 19.7 per cent in 1938. Forty per cent of the exports in 1939 went to United States, 23.6 per cent to the United Kingdom and 36.4 per cent to other countries.

Table 1 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS IN CANADA, BY INDUSTRIES, 1933 and 1939

Industries	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of materials at works (x)	Gross selling value of products at works
		¢		¢	¢	¢
<u>1933</u>						
Coal tar distillation.	10	4,730,847	257	356,564	1,742,366	2,395,237
Acids, alkalies and salts	24	32,254,723	2,991	4,571,579	5,223,443	20,476,573
Compressed gases	30	4,323,766	654	1,013,694	506,003	3,753,600
Fertilizers	26	17,155,945	1,232	1,560,373	3,344,353	12,341,300
Medicinals and pharmaceuticals	171	23,503,341	4,270	5,630,326	3,566,007	24,536,474
Paints, pigments and varnishes	87	24,252,436	3,412	5,003,001	11,333,307	24,317,532
Soaps and washing compounds	109	13,346,356	2,273	2,942,456	9,224,150	13,241,935
Toilet preparations...	33	5,648,460	1,123	1,247,027	2,574,579	6,351,167
Inks	31	2,764,654	530	913,535	1,250,000	3,130,990
Wood distillation	5	1,559,533	163	136,322	373,763	632,269
Adhesives	19	3,530,363	415	496,950	351,529	1,304,253
Polishes and dressings	52	2,435,393	498	601,172	1,434,633	3,096,253
Miscellaneous	143	25,939,719	4,073	5,026,013	9,279,464	23,361,669
TOTAL	790	161,266,536	21,396	29,570,517	60,714,102	146,139,312
<u>1939</u>						
Coal tar distillation.	11	4,940,020	302	393,522	2,103,544	3,643,030
Acids, alkalies and salts	25	36,973,432	3,123	5,032,393	6,031,716	23,056,606
Compressed gases	31	5,501,069	672	1,037,713	501,103	4,009,323
Fertilizers	27	17,561,474	1,211	1,319,612	3,140,498	13,165,164
Medicinals and pharmaceuticals	174	25,232,626	4,398	5,906,391	9,304,525	27,134,262
Paints, pigments and varnishes	93	26,343,301	3,540	5,311,316	12,030,774	25,355,506
Soaps and washing compounds	110	14,391,150	2,406	3,142,213	9,171,373	20,145,072
Toilet preparations ..	36	5,919,318	1,135	1,304,574	2,792,754	6,913,573
Inks	33	2,944,271	543	956,165	1,465,413	3,454,951
Hardwood distillation.	5	1,552,756	179	146,541	415,373	737,673
Adhesives	19	2,733,476	427	520,662	905,411	2,110,306
Polishes and dressings	49	2,559,023	463	565,319	1,530,112	3,461,556
Miscellaneous	145	25,246,394	4,196	5,429,327	10,242,733	25,733,906
TOTAL	803	172,459,365	22,595	31,567,553	65,230,339	159,536,934

NOTE - Profits or losses cannot be computed from above figures as data are not available for general expense items, such as, interest, rent, depreciation, taxes, insurance, advertising, etc.

(x) Does not include fuel and electricity costing \$4,913,245 in 1933 and \$5,259,137 in 1939.

Table 2 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS IN CANADA, BY PROVINCES, 1938 and 1939

Provinces	No. of Capital plants employed		Average number of employees	Salaries and wages	Cost of materials at works(x)	Gross selling value of products at works
		\$		\$	\$	\$
<u>1938</u>						
Nova Scotia and Prince Edward Island	14	2,266,374	236	333,711	1,433,705	2,518,550
New Brunswick	7	1,613,371	153	217,937	1,365,043	1,391,043
Quebec	243	57,374,597	7,947	10,110,553	13,042,543	44,675,929
Ontario	412	79,390,312	11,413	16,100,275	33,666,397	32,195,324
Manitoba	40	4,773,005	640	774,935	1,913,353	4,221,933
Saskatchewan	3	434,596	71	33,033	127,325	308,192
Alberta	17	503,233	97	94,969	236,629	641,964
British Columbia	49	14,400,043	1,234	1,349,949	3,924,102	9,685,322
CANADA	790	161,266,536	21,396	29,570,517	60,714,102	146,139,312
<u>1939</u>						
Nova Scotia and Prince Edward Island	14	2,629,754	320	357,727	1,331,197	2,530,034
New Brunswick	7	1,717,902	172	237,213	1,409,710	2,270,534
Quebec	251	61,191,919	3,294	10,333,136	20,247,499	43,303,401
Ontario	424	85,757,237	11,726	17,032,755	35,760,702	39,939,135
Manitoba	38	4,333,316	615	776,421	2,017,710	4,369,670
Saskatchewan	7	502,427	67	104,539	152,452	332,358
Alberta	17	624,253	98	110,290	233,232	629,456
British Columbia	50	15,147,507	1,303	2,060,372	4,023,237	10,561,396
CANADA	303	172,459,365	22,595	31,567,558	65,230,339	159,536,934

(x) Does not include fuel and electricity costing \$4,913,245 in 1938 and \$5,252,137 in 1939.

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