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

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ANNUAL INDUSTRY REPORT

CHEMICALS AND ALLIED PRODUCTS

FINAL SUMMARY STATISTICS, 1935.

Final figures for 1935 indicate that the production of chemicals and allied products in that year was valued at \$118,574,228 at factory prices. This total, which was higher than in any year since 1930, was about 9.7 per cent above the 1934 value of \$108,052,039 and 27.7 per cent above the corresponding figure of \$92,820,761 in 1933. The gain in employment over 1934 was 10.5 per cent and the increase in salaries and wages was 13.3 per cent.

The improvement in 1935 was quite general with 13 of the industries showing substantial advances and 1 reporting a small decline. The gains were as follows:- coal tar distillation, 30 per cent to \$2,606,338; acids, alkalies and salts, 15 per cent to \$19,012,615; compressed gases, 9 per cent to \$3,077,765; fertilizers, 11 per cent to \$6,075,616; medicinals, 9 per cent to \$21,292,751; paints, 9 per cent to \$20,341,407; soaps, 17 per cent to \$16,002,048; toilet preparations, 0.6 per cent to \$6,017,944; inks, 19 per cent to \$2,886,853; wood distillation, 4 per cent to \$805,756; adhesives, 9 per cent to \$1,436,259; polishes, 11 per cent to \$2,149,239 and the miscellaneous industry, 2 per cent to \$8,332,123. The value of explosives, etc., at \$8,537,514 was 6 per cent less than in 1934.

The number of operating establishments in 1935 was 734 compared with 736 in 1934; the number of employees rose to 18,933 from 17,130, and salaries and wages increased \$2.7 millions to \$23,715,305. Capital employed was slightly less in 1935 at \$147,472,534.

About 52 per cent of the factories, or 387, were located in the province of Ontario; their production totalled \$69,304,933, or 58 per cent of the Canada total and their employees numbered 9,912, or 52 per cent of the total. Quebec's 219 establishments gave work to 6,806 persons and made products worth \$34,767,941.

Canada's imports of chemicals and allied products totalled \$29,757,570 in 1935, or \$1.6 millions more than in 1934. About 21.3 per cent, or \$6,330,811, came from the United Kingdom and 58.7 per cent, or \$17,458,742, from United States.

Exports in 1935 reached the highest value since 1930 and the total of \$16,372,476 accounted for about 15 per cent of the production. United States was the chief purchaser, taking 48.7 per cent of the total, and the United Kingdom was next with 18.5 per cent. The value of shipments to United States was \$7,983,454 and to the United Kingdom, \$3,022,098.

The principal statistics for this group are given by industries and by provinces in the following summary tables. A mimeographed report on each of the individual industries has already been issued by the Bureau.

Table 1 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS  
IN CANADA, BY INDUSTRIES, 1934 and 1935.

Industries	No. of plants	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
		\$		\$	\$	\$	\$
<u>1934</u>							
Coal tar distillation .	10	5,087,026	202	320,055	115,085	1,386,641	2,004,715
Acids, alkalis and salts .....	16	45,033,355	2,289	2,841,853	1,872,137	3,674,265	16,494,139
Compressed gases .....	28	3,734,447	446	646,981	116,887	378,111	2,803,840
Explosives, ammunition and fireworks .....	9	6,865,362	1,277	1,417,824	188,626	2,955,842	9,037,788
Fertilizers .....	20	15,452,733	776	946,178	348,716	3,647,660	5,467,154
Medicinals and pharmaceuticals .....	180	20,041,129	3,506	4,306,409	148,760	6,587,569	19,484,094
Paints, pigments and varnishes .....	79	22,816,098	2,859	3,825,538	274,567	7,949,941	18,618,371
Soaps and washing compounds .....	101	12,500,929	1,818	2,301,727	346,066	7,182,860	13,614,464
Toilet preparations ...	82	5,063,459	959	986,235	26,354	2,022,070	5,977,563
Inks .....	28	2,585,617	438	705,792	32,539	959,826	2,411,001
Wood distillation .....	5	1,645,950	165	128,663	102,821	457,205	774,767
Adhesives .....	16	2,123,205	332	366,008	77,198	587,535	1,307,393
Polishes and dressings	45	1,930,392	362	404,833	13,612	815,680	1,918,998
Miscellaneous .....	117	11,909,716	1,701	1,721,644	173,865	3,413,611	8,137,752
TOTAL .....	736	156,788,418	17,150	20,919,740	3,837,233	41,998,776	108,052,039
<u>1935</u>							
Coal tar distillation .	10	4,725,668	204	273,279	131,391	1,523,137	2,606,338
Acids, alkalis and salts .....	18	33,381,688	2,627	3,490,897	2,158,692	4,606,713	19,012,615
Compressed gases .....	28	4,316,244	510	741,631	137,134	433,045	3,077,765
Explosives, ammunition and fireworks .....	8	6,290,008	1,617	1,978,558	183,330	3,207,264	8,537,514
Fertilizers .....	19	15,646,828	996	1,239,337	344,131	4,362,594	6,075,616
Medicinals and pharmaceuticals .....	166	20,091,688	3,664	4,500,252	157,102	7,009,191	21,292,751
Paints, pigments and varnishes .....	80	22,709,466	3,060	4,242,116	289,845	9,610,743	20,341,401
Soaps and washing compounds .....	104	14,118,130	1,931	2,490,918	367,775	8,980,703	16,002,041
Toilet preparations ...	83	5,396,952	1,050	1,077,006	30,639	2,121,621	6,017,941
Inks .....	31	2,723,672	495	777,281	35,461	1,081,695	2,886,851
Wood distillation .....	6	2,064,215	168	135,011	113,885	420,866	805,756
Adhesives .....	17	2,066,754	389	423,513	114,604	550,700	1,436,259
Polishes and dressings	46	1,839,486	390	430,744	15,875	959,157	2,149,239
Miscellaneous .....	118	12,101,735	1,832	1,914,762	176,198	3,449,447	8,332,123
TOTAL .....	734	147,472,534	18,933	23,715,305	4,256,062	48,316,876	118,574,228

Table 2 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS IN CANADA, BY PROVINCES, 1934 and 1935.

PROVINCES	No. of plants	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
		\$		\$	\$	\$	\$
<u>1934</u>							
Nova Scotia and Prince Edward Island .....	12	2,163,686	199	206,565	39,765	812,144	1,460,916
New Brunswick .....	7	1,188,138	147	175,698	17,514	642,409	1,114,391
Quebec .....	219	56,408,625	6,368	7,311,442	1,197,517	12,448,019	33,554,521
Ontario .....	404	75,528,943	8,825	11,262,305	2,112,686	23,616,119	61,377,890
Manitoba .....	37	4,869,085	580	628,412	56,190	1,581,713	3,538,731
Saskatchewan .....	8	690,054	70	83,792	8,611	201,071	382,024
Alberta .....	9	413,158	62	76,666	9,139	147,622	432,908
British Columbia .....	40	15,526,729	879	1,174,860	395,811	2,549,679	6,190,658
CANADA .....	736	156,788,418	17,130	20,919,740	3,837,233	41,998,776	108,052,039

1935

Nova Scotia and Prince Edward Island .....	14	2,025,516	229	242,347	46,939	977,792	1,725,279
New Brunswick .....	7	1,363,332	133	153,531	17,366	697,411	1,232,251
Quebec .....	219	51,293,993	6,806	8,072,962	1,304,912	14,194,239	34,767,941
Ontario .....	387	71,168,949	9,912	12,893,223	2,404,256	27,270,531	69,304,933
Manitoba .....	36	4,908,491	612	682,198	60,308	1,813,824	3,839,153
Saskatchewan .....	10	599,717	87	92,128	10,521	127,743	324,764
Alberta .....	14	480,582	72	89,021	10,085	230,950	562,736
British Columbia .....	47	15,631,954	1,082	1,489,895	401,675	3,004,386	6,817,171
CANADA .....	734	147,472,534	18,933	23,715,305	4,256,062	48,316,876	118,574,228

THIRTY-FIVE LEADING PRODUCTS OF THE CHEMICALS AND ALLIED PRODUCTS INDUSTRIES, 1934 and 1935. (Excluding certain heavy chemicals which were made by only 1 or 2 firms and, therefore, cannot be shown separately.)

	Unit of measure	Quantity	1934 Gross selling value of products at works	1935 Gross selling value of products at works
			\$	\$
Medicinal and pharmaceutical preparations .....	xxx	...	14,316,005	15,360,980
Paints, ready mixed .....	Imp.gal.	2,879,877	6,958,057	7,605,453
Explosives and ammunition .....	xxx	...	7,419,216	7,064,664
Toilet preparations .....	xxx	...	6,745,513	7,058,865
Toilet soaps .....	lb.	26,921,572	3,307,554	3,673,762
Mixed fertilizers .....	ton	138,750	3,517,193	3,442,017
Enamels .....	Imp.gal.	763,879	2,368,836	2,848,661
Soap chips and flakes .....	lb.	35,055,103	2,313,342	2,601,178
Sulphuric acid .....	lb.	419,892,377	2,363,311	2,454,764
Varnishes .....	Imp.gal.	1,491,608	2,282,975	2,448,624



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THIRTY-FIVE LEADING PRODUCTS OF THE CHEMICALS AND ALLIED PRODUCTS INDUSTRIES, 1934 and 1935. (concluded).

(Excluding certain heavy chemicals which were made by only 1 or 2 firms and, therefore, cannot be shown separately.)

Unit of measure	1 9 3 4				1 9 3 5			
	Quantity	Gross selling value of pro- ducts at works		Quantity	Gross selling value of pro- ducts at works			
		\$			\$			
Printing inks .....	lb.	8,476,108	1,949,573	9,588,146	2,248,440			
Laundry & household soaps - yellow	lb.	44,672,770	2,125,814	43,422,830	2,242,773			
white.	lb.	26,461,598	1,074,264	29,479,543	1,308,850			
Soap powders .....	lb.	16,355,226	1,198,049	22,849,474	1,660,936			
Matches .....	case	489,246	1,605,204	488,976	1,516,898			
Lacquers, nitrocellulose .....	Imp.gal.	541,567	1,488,205	555,230	1,491,114			
Ammonium sulphate .....	ton	76,292	1,398,251	67,362	1,473,675			
Oxygen .....	cu.ft.	113,940,515	1,119,427	136,059,706	1,273,060			
Cresote and other tar oils .....	gal.	4,157,257	583,941	8,325,152	1,055,310			
Acetylene .....	cu.ft.	37,599,346	913,482	39,922,683	975,710			
Cleaning and scouring powders ....	lb.	11,489,338	564,676	16,006,342	801,833			
Glycerine refined .....	lb.	6,654,022	638,253	6,456,849	700,069			
Refined coal tar .....	gal.	5,415,445	532,622	6,560,153	607,270			
Floor wax, solid .....	lb.	2,254,394	542,922	2,683,226	598,654			
Shaving soaps and creams .....	xxx	...	496,587	...	542,686			
Shoe polishes .....	xxx	...	453,645	...	516,261			
Colours, dry .....	lb.	4,899,916	519,618	...	512,523			
Glue, animal .....	ton	1,437	335,903	2,073	503,900			
Cold water paints .....	lb.	7,607,838	460,523	8,180,141	471,594			
Stains .....	Imp.gal.	282,084	413,380	288,382	451,185			
Paste paints .....	lb.	3,767,912	373,330	4,386,396	446,640			
Carbon dioxide .....	lb.	4,713,997	414,424	4,849,687	429,775			
Pitch coal tar .....	lb.	71,034,056	469,307	67,488,029	408,442			
Shellac .....	Imp.gal.	141,609	304,411	173,783	341,767			
Floor wax and polish, liquid .....	Imp.gal.	93,761	247,786	131,910	332,380			