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CHEMICALS AND ALLIED PRODUCTS

FINAL SUMMARY STATISTICS, 1934.

Final figures for 1934 show that the production of chemicals and allied products in that year was valued at \$108,052,039 at factory prices. This total was about 16.4 per cent above the 1933 value of \$92,820,761 and 13.6 per cent above the corresponding figure of \$95,279,376 for 1932.

The improvement in 1934 was quite general with all of the industries participating except soaps and cleaning preparations which declined about 4.6 per cent from the 1933 value to \$13,614,464. The advances in output values for the other groups were: coal tar distillation, 19.9 per cent to \$2,004,715; acids, alkalies and salts, 29.8 per cent to \$16,494,139; compressed gases, 12.6 per cent to \$2,803,840; explosives, 22.5 per cent to \$9,037,788; fertilizers, 27.6 per cent to \$5,467,154; medicinals, 14.2 per cent to \$19,484,094; paints, 25 per cent to \$18,618,371; toilet preparations, 9.1 per cent to \$5,977,563; inks, 12.6 per cent to \$2,411,001; wood distillation, 15.8 per cent to \$774,767; adhesives, 14.5 per cent to \$1,307,393; polishes, 7.8 per cent to \$1,918,998, and miscellaneous, 18.2 per cent to \$8,137,752.

A total of 736 plants reported in 1934 compared with 696 in 1933 and the capital employed advanced \$2.9 millions to \$156,788,418, the number of employees increased to 17,130 from 15,397, payments in salaries and wages were higher by \$2 millions at \$20,919,740, and the expenditures for manufacturing materials advanced about \$8 millions to \$41,998,776.

About 55 per cent of the factories, or 404, were located in the province of Ontario; these works produced goods worth \$61,377,890 or 57 per cent of the Canada total and employed 8,825 persons or 52 per cent of the total. Quebec's 219 establishments gave work to 6,368 persons and made products valued at \$33,554,521.

Canada's imports of chemicals recorded an advance in 1934 for the first time since 1929 reflecting the improved business conditions of last year. Foreign purchases in 1934 were valued at \$28,149,508 or \$4 millions more than in 1933. Imports from United States advanced about \$3 millions to \$16,575,214, purchases from the United Kingdom increased nearly \$1 million to \$6,164,660, and shipments from other countries were higher by \$0.4 million at \$5,409,634.

Exports of chemicals also showed a substantial increase in 1934 to \$14,349,689 compared with \$12,604,040 in 1933. Shipments to United States totalled \$6,331,266 or 44.1 per cent of the total, to the United Kingdom, \$3,258,078 or 22.7 per cent, and to other countries, \$4,760,345 or 33.2 per cent.

The principal statistics for this group are given by industries and by provinces in the summary tables which follow. A detailed mimeographed report on each

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of the industries has been issued and may be obtained by applying to the Dominion Bureau of Statistics at Ottawa.

Table 1 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS
IN CANADA, BY INDUSTRIES, 1933 and 1934.

Industries	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of materials at works	Selling value of products at works
<u>1933</u>						
Coal tar distillation ...	10	5,031,890	183	272,439	1,076,277	1,672,299
Acids, alkalies and salts	15	44,239,418	1,891	2,315,425	2,463,958	12,713,045
Compressed gases	31	4,024,437	428	613,278	371,204	2,490,215
Explosives, ammunition and fireworks	8	6,583,517	1,168	1,260,662	2,360,404	7,378,732
Fertilizers	20	15,918,787	667	776,647	2,796,726	4,286,051
Medicinals and pharmaceuticals	158	17,402,705	3,169	3,850,928	5,774,391	17,063,849
Paints, pigments and varnishes	78	22,438,251	2,540	3,464,947	6,153,836	14,896,693
Soaps and washing compounds	93	13,139,674	1,776	2,302,315	6,494,999	14,263,234
Toilet preparations	80	4,817,533	934	898,224	1,728,317	5,477,324
Inks	28	2,398,155	394	643,063	758,700	2,106,436
Wood distillation	6	2,036,570	138	113,433	454,298	669,120
Adhesives	16	2,271,071	283	314,005	463,199	1,141,761
Polishes and dressings ..	48	1,861,062	340	394,871	720,913	1,779,843
Miscellaneous	105	11,737,860	1,486	1,518,392	2,654,632	6,882,159
TOTAL FOR 1933	696	153,900,930	15,397	18,738,629	34,271,854	92,820,761
<u>1934</u>						
Coal tar distillation ...	10	5,086,026	202	320,055	1,366,641	2,004,715
Acids, alkalies and salts	16	45,033,355	2,289	2,841,853	3,674,265	16,494,139
Compressed gases	28	3,734,447	446	646,981	378,111	2,803,840
Explosives, ammunition and fireworks	9	6,865,362	1,277	1,417,824	2,955,842	9,037,788
Fertilizers	20	15,452,733	776	946,178	3,647,660	5,467,154
Medicinals and pharmaceuticals	180	20,041,129	3,506	4,306,409	6,587,569	19,484,094
Paints, pigments and varnishes	79	22,816,098	2,859	3,825,538	7,949,941	18,618,371
Soaps and washing compounds	101	12,500,929	1,818	2,301,727	7,182,860	13,614,464
Toilet preparations	82	5,063,459	959	986,235	2,022,030	5,977,563
Inks	28	2,585,617	438	705,792	959,826	2,411,001
Wood distillation	5	1,645,950	165	128,663	457,205	774,767
Adhesives	16	2,123,205	332	366,008	587,535	1,307,393
Polishes and dressings ..	45	1,930,392	362	404,833	815,680	1,918,998
Miscellaneous	117	11,909,716	1,701	1,721,644	3,413,611	8,137,752
TOTAL FOR 1934	736	156,788,418	17,130	20,919,740	41,998,776	108,052,039

Table 2 - PRINCIPAL STATISTICS, BY PROVINCES, 1933 and 1934.

Provinces	No. of plants	Capital employed	Average	Salaries and wages	Cost of materials at works	Selling value of products at works
			number of employees			
		\$		\$	\$	\$
1933						
Prince Edward Island and Nova Scotia	12	2,128,662	183	181,026	614,444	1,362,271
New Brunswick	8	1,185,254	133	166,692	651,864	1,194,800
Quebec	205	55,683,905	5,547	6,468,821	10,177,221	28,746,062
Ontario	390	73,394,109	8,068	10,148,571	19,233,880	52,630,358
Manitoba	36	4,340,212	574	609,962	1,500,846	3,366,970
Saskatchewan	8	710,579	54	70,486	97,430	232,133
Alberta	8	466,934	62	73,115	158,917	438,259
British Columbia	39	15,991,275	776	1,019,956	1,837,252	4,849,908
TOTAL	706	153,900,930	15,397	18,738,629	34,271,854	92,820,761
1934						
Prince Edward Island and Nova Scotia	12	2,163,686	199	206,565	812,144	1,460,916
New Brunswick	7	1,188,138	147	175,698	642,409	1,114,391
Quebec	219	56,408,625	6,368	7,311,442	12,448,019	33,554,521
Ontario	404	75,528,943	8,825	11,262,305	23,616,119	61,377,890
Manitoba	37	4,869,085	580	628,412	1,581,713	2,538,731
Saskatchewan	8	690,054	70	83,792	201,071	382,024
Alberta	9	413,158	62	76,666	147,622	432,908
British Columbia	40	15,526,729	879	1,174,860	2,549,679	6,190,658
TOTAL	736	156,788,418	17,130	20,919,740	41,998,776	108,052,039

Table 3 - TWENTY CHIEF PRODUCTS, 1933 and 1934.

Products	Unit of measure	1933		1934	
		Quantity	Selling value at works	Quantity	Selling value at works
			\$		\$
Medicinal and pharmaceutical preparations	xx	...	13,912,045	...	14,316,005
Explosives, ammunition and fireworks	xx	...	7,378,732	...	9,037,738
Toilet preparations	xx	...	5,912,162	...	6,745,513
Mixed paints	Imp. gal.	2,334,747	5,591,427	2,874,787	6,942,403
Toilet soaps	lb.	26,142,447	3,848,744	26,921,572	3,307,554
Bar household and laundry soap	lb.	76,590,153	3,679,193	71,134,368	3,200,078
Mixed fertilizers	ton	106,421	2,777,702	138,750	3,517,193
Soap chips and flakes	lb.	31,994,209	2,400,210	35,055,103	2,313,342
Varnishes	Imp. gal.	1,260,182	2,068,885	1,487,068	2,272,217
Sulphuric acid	ton	148,142	1,702,530	205,287	2,313,008
Printing inks	lb.	6,874,128	1,659,641	8,465,649	1,935,874
Enamels	Imp. gal.	523,191	1,613,435	761,879	2,362,836
Matches	xx	...	1,613,367	...	1,605,204
Ammonium sulphate	ton	82,533	1,437,749	76,292	1,398,251
Soap powders	lb.	13,954,594	1,176,944	16,775,226	1,231,589
Nitrocellulose lacquers	Imp. gal.	407,448	1,091,007	541,567	1,488,205
Oxygen	cu. ft.	93,511,573	848,736	113,940,515	1,119,427
Acetylene (compressed or dissolved)	cu. ft.	32,387,312	759,997	37,599,346	913,482
Floor waxes and polishes	xx	...	710,225	...	790,708
Cleaning or scouring pastes and powders	lb.	12,905,757	679,863	11,489,338	564,676

NOTE - Calcium carbide, cyanamide, caustic soda, etc. have been omitted from the above table as they were made by only 1 or 2 concerns.

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