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ANNUAL REPORT

CHEMICALS AND ALLIED PRODUCTS

FINAL SUMMARY STATISTICS, 1936.

Final figures for 1936 indicate that the production of chemicals and allied products in that year was valued at \$126,874,791, or 7 per cent above the corresponding total for 1935. In only one year has this figure been exceeded, and that was in 1929 when the record of \$138,545,281 was attained. But the general price level for chemicals and related products is now about 18 per cent lower than in 1929, and when allowance is made for this factor, the calculation shows the 1936 volume to be greater than in any other year.

The improvement in 1936 was general; 13 of the industries showed substantial increases and one reported a small decline. The gains were as follows: coal tar distillation, 12.9 per cent to \$2,942,255; compressed gases, 9.1 per cent to \$3,360,220; fertilizers, 16.5 per cent to \$7,075,831; medicinals, 14.5 per cent to \$22,251,550; paints, 11.3 per cent to \$22,651,225; soaps, 1.9 per cent to \$16,313,502; toilet preparations, 7.1 per cent to \$6,544,377; inks, 6.7 per cent to \$3,082,042; hardwood distillation, 6.4 per cent to \$857,647; adhesives, 25.3 per cent to \$1,799,200; explosives, 9.5 per cent to \$9,354,351; and the miscellaneous group, 10.4 per cent to \$9,202,035. The acids, alkalies and salts industry, or the heavy chemicals industry, showed a very small decline from 1935, the value of output was \$18,959,512 compared with \$19,012,615 in the previous year.

In the whole chemical group there were 745 factories operating in 1936, with a capital investment of \$147,664,533 and employing 19,910 workers. A total of \$52,482,873 was spent on raw materials, \$25,227,267 for salaries and wages and \$4,537,701 for fuel and electricity. The increase in the average number of employees, compared with 1935, was 4.8 per cent and the advance in salaries and wages amounted to 6.4 per cent.

About 57 per cent of the production was from Ontario's 385 establishments, their output was valued at \$72,831,167. Quebec with 227 factories and a production worth \$38,487,587 accounted for 30 per cent.

Canada's imports of chemicals and allied products during 1936 were valued at \$31,971,047 or \$2.2 millions more than in 1935. Purchases from United States at \$18,531,817 made up 57.9 per cent of the total, and shipments from the United Kingdom at \$6,802,014 accounted for 21.3 per cent.

Exports increased in value to \$17,749,628 from \$16,372,476 in 1935. About 43.7 per cent of the exports went to the United States and 21.7 per cent to the United Kingdom. The value of shipments to the United States was \$7,763,681 and to the United Kingdom, \$3,858,025.

Table 1 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS
IN CANADA, BY INDUSTRIES, 1935 and 1936.

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>1935</u>						
Coal tar distillation	10	4,725,668	204	273,279	1,523,137	2,606,338
Acids, alkalies and salts	18	33,381,688	2,627	3,490,897	4,606,713	19,012,615
Compressed gases .	28	4,316,244	510	741,631	433,045	3,077,765
Explosives, ammunition and fireworks	8	6,290,008	1,617	1,978,558	3,207,264	8,537,514
Fertilizers	19	15,646,828	996	1,239,337	4,362,594	6,075,616
Medicinals and pharmaceuticals	166	20,091,688	3,664	4,500,252	7,009,191	21,292,751
Paints, pigments and varnishes ...	80	22,709,466	3,060	4,242,116	9,610,743	20,341,407
Soaps and washing compounds	104	14,118,130	1,931	2,490,918	8,980,703	16,002,048
Toilet preparations	83	5,396,952	1,050	1,077,006	2,121,621	6,017,944
Inks	31	2,723,672	495	777,281	1,081,695	2,886,853
Hardwood distillation	6	2,064,215	168	135,011	421,866	805,756
Adhesives	17	2,066,754	389	423,513	550,700	1,436,259
Polishes and dressings	46	1,839,486	390	430,744	959,157	2,149,239
Miscellaneous	118	12,101,735	1,832	1,914,762	3,449,447	8,332,123
TOTAL	734	147,472,534	18,933	23,715,305	48,316,876	118,574,228
<u>1936</u>						
Coal tar distillation	10	4,507,861	216	287,819	1,516,122	2,942,255
Acids, alkalies and salts	20	32,596,308	2,966	3,988,310	4,680,299	18,959,512
Compressed gases .	28	4,535,549	568	823,714	490,041	3,360,220
Explosives, ammunition and fireworks	8	7,880,237	1,646	2,045,993	3,639,643	9,354,351
Fertilizers	20	14,800,141	930	1,196,286	4,996,084	7,075,831
Medicinals and pharmaceuticals	169	20,760,912	3,857	4,797,458	7,384,370	22,251,550
Paints, pigments and varnishes	78	23,274,558	3,124	4,428,387	10,817,694	22,651,225
Soaps and washing compounds	102	11,564,606	1,993	2,540,559	9,121,222	16,313,502
Toilet preparations	87	5,624,306	1,171	1,199,913	2,379,755	6,544,377
Inks	33	2,965,168	533	855,722	1,225,072	3,082,042
Hardwood distillation	6	2,064,721	176	138,151	406,690	857,647
Adhesives	19	2,266,199	420	457,170	813,291	1,799,200
Polishes and dressings	48	2,236,299	432	501,142	1,146,356	2,481,044
Miscellaneous	117	12,557,668	1,878	1,966,643	3,866,234	9,202,035
	745	147,664,533	19,910	25,227,267	52,482,873	126,874,791

Table 2 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS
IN CANADA, BY PROVINCES, 1935 and 1936.

Provinces	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of materials at works	Selling value of products at works
		\$		\$	\$	\$
<u>1935</u>						
Nova Scotia and Prince Edward Island	14	2,025,516	229	242,347	977,792	1,725,279
New Brunswick	7	1,363,332	133	153,531	697,411	1,232,251
Quebec	219	51,293,993	6,806	8,072,962	14,194,239	34,737,941
Ontario	387	71,168,949	9,912	12,893,223	27,270,531	69,304,933
Manitoba	36	4,908,491	612	682,198	1,813,824	3,839,153
Saskatchewan	10	599,717	87	92,128	127,743	324,764
Alberta	14	480,582	72	89,021	230,950	562,736
British Columbia	47	15,631,954	1,082	1,489,895	3,004,386	6,817,171
CANADA	734	147,472,534	18,933	23,715,305	48,316,876	118,574,228
<u>1936</u>						
Nova Scotia and Prince Edward Island	13	1,934,617	260	277,434	1,090,597	1,975,011
New Brunswick	7	1,172,853	128	160,409	867,981	1,289,163
Quebec	227	53,206,827	7,081	8,565,670	15,479,121	38,487,587
Ontario	385	70,207,971	10,509	13,664,809	29,645,777	72,831,167
Manitoba	36	4,922,841	630	712,042	1,963,032	4,241,879
Saskatchewan	11	543,157	49	61,315	99,412	228,953
Alberta	18	515,851	72	86,505	260,493	604,924
British Columbia	48	15,160,416	1,181	1,699,083	3,076,460	7,216,107
CANADA	745	147,664,533	19,910	25,227,267	52,482,873	126,874,791

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