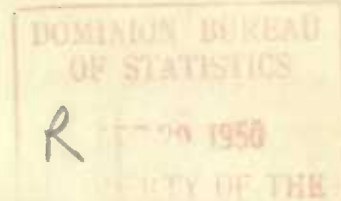


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CHEMICALS AND ALLIED PRODUCTS

Price 10 cents

FINAL SUMMARY STATISTICS - 1948

Output from the chemicals and allied products industries in 1948 totalled \$580 millions compared with \$450 millions in 1947. The 1948 value, which was the highest attained in any peace-time year, represented an advance of \$130 millions or 29 per cent, but about one-half of this gain was due to a change in statistical procedure which placed the vegetable oils industry in this group for the first time. If this latter industry were also included in the 1947 compilations, the total output value for that year would be \$488 millions, and the gain in 1948 would be \$92 millions or 19 per cent on a value basis.

Higher output values were recorded for all industries, the percentage increases from 1947 being as follows: heavy chemicals, 19.0; fertilizers, 8.8; paints, 16.2; soaps, 27.0; coal tar distillation, 31.3; toilet preparations, 0.9; compressed gases, 17.8; medicinals, 2.0; polishes, 15.4; inks, 18.0; adhesives, 16.8; primary plastics, 39.5, and miscellaneous, 14.4. The vegetable oils industry gained 57.0 per cent.

The 523 works in Ontario, with 20,538 employees and production at \$323 millions, accounted for about 56 per cent of the total output value and for 52 per cent of the employees. Quebec, with 337 establishments, 14,515 employees, and production at \$170 millions, accounted for nearly 30 per cent of the Dominion's output of chemicals and allied products. British Columbia had 72 plants and production at \$49 millions in 1948.

The value of imports of chemicals and allied products in 1948 was the highest on record at \$118 millions, an increase of nearly 5 per cent over the previous year's total. About 90 per cent of the imports were from the United States and nearly 6 per cent from the United Kingdom. France, Argentina, Cuba, Switzerland, Chile and Brazil were the principal other suppliers. Paints and pigments were valued at \$13.4 millions, drugs and pharmaceuticals at \$11.6 millions, dyeing and tanning materials at \$10.4 millions, fertilizers at \$6.6 millions, cellulose products at \$5.5 millions, and soaps at \$2.8 millions.

The value of exports in 1948 was \$79.8 millions, a decline of about 5 per cent from 1947. Fertilizers were valued at \$36.4 millions, acids at \$5.7 millions, sodium compounds at \$4.8 millions, synthetic resins at \$5.2 millions, calcium compounds at \$2.8 millions, paints and pigments at \$6.2 millions, and medicinal preparations at \$3.1 millions.

Table 1 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS, BY INDUSTRIES, 1947 and 1948

Industry	Number	Average	Salaries	Cost of	Cost of	Gross sell-
	of	number	and	fuel and	materials	ing value
	plants	of em-	wages	electricity	at works	of products
	No.	ployees		at works		at works
		No.		(000's of dollars)		
<u>1947</u>						
Coal tar distillation .....	11	392	776	390	3,753	6,151
Heavy chemicals .....	31	5,541	12,929	7,053	19,059	59,318
Compressed gases .....	44	1,089	2,262	366	1,475	9,607
Fertilizers .....	31	3,258	7,283	2,465	27,417	58,784
Medicinals and pharmaceuticals	213	7,678	13,849	547	26,244	70,292
Paints and varnishes .....	109	5,428	10,876	526	38,322	69,912
Soaps and washing compounds ..	166	3,262	6,805	752	28,957	53,201
Toilet preparations .....	100	1,870	2,885	56	6,640	16,888
Inks .....	32	719	1,465	62	3,142	7,022
Adhesives .....	26	729	1,551	275	4,303	7,415
Polishes and dressings .....	55	743	1,281	54	4,787	8,736
Plastics (primary only) .....	10	1,060	2,351	203	5,177	11,783
Miscellaneous (*) .....	203	6,722	13,165	2,873	36,263	70,851
TOTAL .....	1,031	38,491	77,480	15,632	205,541	449,960

Note: This report was prepared in the Mining, Metallurgical and Chemical Section.



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Table 1 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS, BY INDUSTRIES, 1947 and 1948 (Concluded)

Industry	Number of plants	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
	No.	No.		(000's of dollars)		
<u>1948</u>						
Coal tar distillation .....	11	380	882	543	5,076	8,077
Heavy chemicals .....	29	5,889	15,348	7,753	22,552	70,600
Compressed gases .....	45	1,156	2,613	404	2,181	11,314
Fertilizers .....	33	3,169	8,016	2,228	30,043	63,986
Medicinals and pharmaceuticals	215	7,641	15,415	694	26,576	71,714
Paints and varnishes .....	114	5,558	12,341	617	44,437	81,279
Soaps and washing compounds ..	149	3,351	8,125	895	38,840	67,587
Toilet preparations .....	90	1,658	2,750	70	6,539	17,045
Inks .....	32	642	1,712	72	3,834	8,288
Vegetable oils .....	16	819	1,885	426	51,391	63,673
Adhesives .....	25	771	1,830	356	4,701	8,660
Polishes and dressings .....	53	723	1,405	69	5,183	10,080
Plastics (primary only) .....	12	1,149	2,771	332	7,630	16,441
Miscellaneous (*) .....	202	6,642	14,234	3,508	44,058	81,082
<b>TOTAL .....</b>	<b>1,026</b>	<b>39,548</b>	<b>89,327</b>	<b>17,967</b>	<b>293,041</b>	<b>579,826</b>
Per cent change 1948 from 1947	...	+2.7	+15.3	+14.9	+42.6	+29.0

(\*) Includes explosives, insecticides, matches, synthetic rubber, etc.

Table 2 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS, BY PROVINCES, 1947 and 1948

Province	Number of plants	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Selling value of products at works
	No.	No.		(000's of dollars)		
<u>1947</u>						
Prince Edward Island and Nova Scotia .....	17	378	686	111	3,615	5,712
New Brunswick .....	7	196	395	57	3,472	4,912
Quebec .....	334	13,931	27,047	3,989	63,809	139,414
Ontario .....	530	20,259	41,479	9,552	116,006	250,186
Manitoba .....	37	631	1,079	78	3,929	7,303
Saskatchewan .....	9	100	172	14	410	952
Alberta .....	22	511	1,064	622	1,360	5,663
British Columbia .....	75	2,485	5,558	1,209	12,940	35,818
<b>CANADA .....</b>	<b>1,031</b>	<b>38,491</b>	<b>77,480</b>	<b>15,632</b>	<b>205,541</b>	<b>449,960</b>
<u>1948</u>						
Prince Edward Island and Nova Scotia .....	17	383	739	146	4,545	6,864
New Brunswick .....	7	174	374	59	3,500	4,687
Quebec .....	337	14,515	31,229	4,862	79,101	170,377
Ontario .....	523	20,538	47,817	11,215	167,965	322,676
Manitoba .....	38	724	1,343	111	6,496	11,610
Saskatchewan .....	11	170	333	46	4,118	5,141
Alberta .....	21	491	1,131	636	3,878	8,882
British Columbia .....	72	2,553	6,361	892	23,438	49,589
<b>CANADA .....</b>	<b>1,026</b>	<b>39,548</b>	<b>89,327</b>	<b>17,967</b>	<b>293,041</b>	<b>579,826</b>