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CHEMICALS AND ALLIED PRODUCTS

PRELIMINARY SUMMARY STATISTICS - 1953

For the group of chemical and allied industries, the value of output at factory prices was \$848 millions in 1953, a gain of 6.4 per cent over the final total of \$796 millions for 1952. This percentage increase compares favourably with that for all manufacturing which continued, on the whole, to hold up well throughout the year. The noticeable falling off in a few sectors of manufactures, at the year-end and continuing through the first quarter, seems to have had only a slight effect on the chemical industries.

The output value for chemicals and allied products has more than doubled during the post-war period and is more than five times the value recorded for the best pre-war year. In 1939 the production was \$160 millions, in 1946 it was \$376 millions and in 1953 it was \$848 millions.

Higher output values were reported in 1953 for all but one of the industries in this group. The percentage changes being as follows: coal tar distillation, + 9.2; heavy chemicals, + 9.9; compressed gases, + 0.6; fertilizers, + 6.7; medicinals, + 5.4; paints, + 5.8; soaps, + 5.5; toilet preparations, + 13.0; inks, + 16.9; vegetable oils, - 11.9; adhesives, + 9.8; polishes, + 8.0; primary plastics, + 27.9; miscellaneous, + 4.7.

In 1953 the 1,096 operating establishments in these industries employed about 50,000 persons, whose salaries and wages for the year aggregated \$161 millions. Materials for use in manufacturing cost \$370 millions and fuel and electric power cost \$29 millions. Production was concentrated in Ontario and Quebec. The former province, with 536 establishments and output valued at \$493 millions, accounted for 59 per cent of the Canada total, and Quebec, with 366 establishments and production at \$253 millions, accounted for 30 per cent.

Despite greater and more varied production in Canada the imports of chemicals and allied products continued to increase, rising 18 per cent in 1953 to \$222 millions. Purchases from the United States, amounting to 87 per cent of the total, advanced 16 per cent to \$192 millions. Supplies from the United Kingdom, 8 per cent of the total, increased 50 per cent to \$18 millions; and purchases from other countries rose 24 per cent to \$12 millions. Imports of drugs and medicinals were valued at \$22 millions, paints and pigments at \$21 millions, fertilizers at \$12 millions, dyeing and tanning materials at \$11 millions, acids at \$7 millions, explosives at \$2 millions, soaps and toilet preparations at \$2 millions and miscellaneous chemicals, not separately specified, at \$142 millions.

Exports increased about 11 per cent in 1953 to \$138 millions with about 60 per cent or \$84 millions going to the United States, 6 per cent or \$8 millions to the United Kingdom, and 34 per cent or \$46 millions to other countries. Fertilizers at \$43 millions accounted for almost one-third of the total exports.

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Table 1 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS, BY INDUSTRIES, 1952 and 1953

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
(000's of dollars)						
<u>1952</u>						
Coal tar distillation	11	500	1,680	656	7,143	12,634
Heavy chemicals	29	7,591	27,209	11,167	37,777	114,188
Compressed gases	47	1,250	3,890	468	2,426	16,201
Fertilizers	39	3,205	11,325	1,887	38,450	78,743
Medicinals and pharmaceuticals	213	7,457	20,482	752	27,350	88,022
Paints and varnishes	116	5,784	17,220	733	53,119	107,406
Soaps and washing compounds ..	136	3,756	12,755	1,080	35,013	84,461
Toilet preparations	101	1,870	4,245	115	9,720	27,060
Inks	34	854	2,584	89	4,839	10,924
Vegetable oils	13	723	2,428	581	44,479	51,932
Adhesives	30	706	2,129	367	6,106	10,839
Polishes and dressings	51	751	1,929	102	7,735	15,966
Plastics (primary only)	16	1,850	6,505	735	18,775	34,639
Miscellaneous (★)	239	11,397	33,695	5,924	64,886	143,547
TOTAL	1,075	47,694	148,076	24,656	357,818	796,562
<u>1953</u>						
Coal tar distillation	11	550	1,885	778	7,416	13,797
Heavy chemicals	41	8,451	31,462	13,104	42,685	125,450
Compressed gases	45	1,242	4,108	498	2,464	16,292
Fertilizers	40	3,198	11,415	1,940	39,576	84,020
Medicinals and pharmaceuticals	211	7,385	21,599	821	29,796	92,761
Paints and varnishes	121	5,984	18,591	747	55,123	113,636
Soaps and washing compounds ..	142	3,791	13,141	1,185	29,665	89,107
Toilet preparations	95	1,917	4,674	117	11,009	30,567
Inks	33	895	2,887	106	5,235	12,765
Vegetable oils	13	640	2,260	456	39,138	45,741
Adhesives	29	725	2,199	401	6,432	11,905
Polishes and dressings	49	853	2,478	92	7,723	17,236
Plastics (primary only)	18	2,098	7,634	846	24,322	44,318
Miscellaneous (★)	248	11,979	36,837	8,089	69,723	150,255
TOTAL	1,096	49,708	161,170	29,180	370,307	847,850

(★) Includes explosives, hardwood distillation, insecticides, matches, dry colours, etc.

Table 2 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS, BY PROVINCES,
1952 and 1953

Province	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
(000's of dollars)						
<u>1952</u>						
Newfoundland	5	75	187	14	637	1,197
Prince Edward Island and Nova Scotia	18	340	916	173	4,447	7,872
New Brunswick	7	158	448	61	2,957	4,297
Quebec	346	19,604	58,228	6,968	101,064	232,830
Ontario	538	23,503	75,360	16,072	212,189	466,018
Manitoba	43	726	1,751	136	6,960	12,602
Saskatchewan	8	160	540	25	531	1,270
Alberta	24	650	2,188	816	3,605	11,031
British Columbia and Northwest Territories	86	2,478	8,458	391	25,428	59,445
CANADA	1,075	47,694	148,076	24,656	357,818	796,562
<u>1953</u>						
Newfoundland	5	62	203	18	638	1,289
Prince Edward Island and Nova Scotia	18	336	906	153	4,179	7,599
New Brunswick	7	160	443	62	3,689	5,476
Quebec	366	20,304	62,564	7,873	114,259	253,267
Ontario	536	24,421	82,312	19,384	212,526	492,904
Manitoba	41	692	1,730	140	6,356	12,688
Saskatchewan	8	172	626	31	780	1,577
Alberta	25	1,003	3,538	1,104	4,665	14,191
British Columbia and Northwest Territories	90	2,558	8,848	415	23,215	58,859
CANADA	1,096	49,708	161,170	29,180	370,307	847,850

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