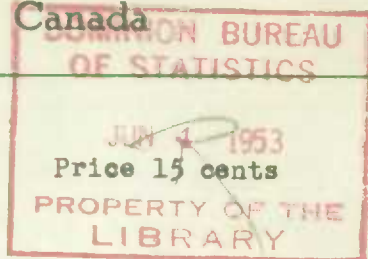


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D.B.S. MEMORANDUM

Dominion Bureau of Statistics, Ottawa, Canada



CHEMICALS AND ALLIED PRODUCTS

PRELIMINARY SUMMARY STATISTICS - 1952

Output of chemicals and allied products increased 3 per cent in 1952 to \$806 millions. This gain, which carried the production value to a new high, was about the same as that recorded for all manufacturing industries and for the entire industrial sector of the nation's economy. Most industries in the chemical and allied group showed moderate advances but substantial declines were reported for vegetable oils, primary plastics and heavy chemicals. The percentage changes compared with 1951 were as follows: coal tar distillation, +3.4; heavy chemicals, -2.9; compressed gases, +3.6; fertilizers, +5.3; medicinals, +1.5; paints, +2.4; soaps, +6.6; toilet preparations, +12.3; inks, +3.1; vegetable oils, -11.9; adhesives, -3.4; polishes, +20.5; primary plastics, -11.4; and miscellaneous chemical products, +15.1.

Thirty years ago, in 1923, the output from this group of industries was slightly less than \$100 millions. By 1939, the value had risen to \$159 millions and during the rapid war time expansion it reached a high in 1944 of \$371 millions, excluding shell filling operations. Since the close of the war there has been a steady advance each year and at present the largest building program in the history of the industry is underway. Expenditures on new construction and equipment in 1952 were reported at \$122 millions with a further \$96 millions projected for 1953. Some of these units have come into production since the year-end while others are scheduled to commence operations this summer or early fall.

Exports of chemicals and allied products dropped about 5 per cent in 1952 to \$124 millions. Recessions were recorded for all major groups except fertilizers which increased to \$42.3 millions from \$35.7 millions. Exports of acids dropped to \$3 millions from \$5.8 millions, paints and pigments to \$3.8 millions from \$8 millions, and inorganic chemicals to \$12.4 millions from \$13.9 millions.

Imports declined by slightly more than 2 per cent in 1952 to \$187.7 millions. Drugs and pharmaceuticals accounted for \$21.8 millions, paints and pigments for \$17.2 millions, fertilizers for \$10.5 millions, dyeing and tanning materials for \$10 millions, acids for \$5.9 millions, and unspecified chemicals for \$114.7 millions. Purchases from the United States were up slightly to \$166.2 millions while imports from the United Kingdom dropped 25 per cent to \$12.2 millions.

In 1952, there were 1,075 establishments in the chemicals and allied products group with 46,968 employees and an annual pay roll amounting to \$142.7 millions. Expenditures for materials for manufacturing amounted to \$364 millions and for fuel and electricity about \$24 millions. Ontario's plants accounted for 50 per cent of the employment and 58 per cent of production, and works in Quebec for 40 per cent of the workers and 30 per cent of the output value.

Table 1 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS, BY INDUSTRIES, 1951 and 1952

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>1951</u>						
Coal tar distillation	11	468	1,443	668	7,077	12,077
Heavy chemicals	29	7,371	24,579	11,128	39,239	117,823
Compressed gases	51	1,247	3,681	582	2,409	15,378
Fertilizers	39	3,218	10,310	1,766	35,294	74,489
Medicinals and pharmaceuticals.	206	7,481	18,918	719	28,415	89,249
Paints and varnishes	114	5,859	16,129	708	55,701	104,839
Soaps and washing compounds ...	130	3,742	11,506	1,018	41,758	73,719
Toilet preparations	97	1,800	3,775	100	8,224	22,535
Inks	34	828	2,452	85	5,208	10,583
Vegetable oils	13	751	2,317	624	48,729	60,202
Adhesives	29	714	1,972	369	6,280	11,437
Polishes and dressings	49	800	1,853	77	6,399	13,245
Plastics (primary only)	16	1,648	5,403	707	20,571	39,370
Miscellaneous (*)	219	9,737	26,972	6,952	61,654	131,543
TOTAL	1,037	45,664	131,310	25,506	366,958	776,489
<u>1952</u>						
Coal tar distillation	11	499	1,671	643	7,033	12,490
Heavy chemicals	29	7,574	26,960	11,051	37,997	114,379
Compressed gases	47	1,355	4,267	464	2,349	15,923
Fertilizers	39	3,182	11,149	1,887	38,464	78,422
Medicinals and pharmaceuticals.	212	7,543	20,029	751	28,407	90,546
Paints and varnishes	119	5,962	17,164	730	53,232	107,327
Soaps and washing compounds ...	137	3,799	12,611	1,064	40,401	78,577
Toilet preparations	103	1,904	4,190	114	9,523	25,291
Inks	35	853	2,536	89	4,832	10,919
Vegetable oils	13	729	2,376	617	41,117	53,033
Adhesives	30	713	2,107	368	6,377	11,053
Polishes and dressings	49	764	1,918	101	7,736	15,960
Plastics (primary only)	16	1,794	5,271	711	18,321	34,917
Miscellaneous (*)	235	10,297	30,467	5,691	68,510	151,363
TOTAL	1,075	46,968	142,716	24,281	364,299	806,200

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

Table 2 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS, BY PROVINCES,
1951 and 1952

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>1951</u>						
Newfoundland	6	74	160	13	659	988
Prince Edward Island and Nova Scotia	17	333	837	161	4,553	7,607
New Brunswick	7	132	331	55	2,786	3,693
Quebec	339	18,382	50,655	7,245	103,605	233,720
Ontario	513	22,762	67,420	16,745	217,923	447,264
Manitoba	42	735	1,649	142	7,312	12,819
Saskatchewan	8	163	500	28	994	1,842
Alberta	24	613	1,965	750	2,867	9,892
British Columbia	81	2,470	7,793	367	26,259	58,664
CANADA	1,037	45,664	131,310	25,506	366,958	776,489
<u>1952</u>						
Newfoundland	6	75	187	15	637	1,198
Prince Edward Island and Nova Scotia	18	343	901	175	4,437	7,805
New Brunswick	7	155	422	61	2,829	3,864
Quebec	347	18,624	53,235	6,519	106,397	242,053
Ontario	539	23,781	75,478	16,154	214,065	461,691
Manitoba	42	732	1,730	137	6,867	12,466
Saskatchewan	8	160	537	25	594	1,286
Alberta	25	654	1,878	811	3,677	11,148
British Columbia	83	2,444	8,348	384	24,796	58,689
CANADA	1,075	46,968	142,716	24,281	364,299	806,200

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