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CHEMICALS AND ALLIED PRODUCTS

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PRELIMINARY SUMMARY STATISTICS - 1956

The high level of industrial activity in 1956 provided the impetus to push production levels in the Chemicals and Allied Products Group of industries to new record levels. Factory shipments at \$1,112.6 millions were \$68.5 millions or 6.6 per cent over the 1955 total of \$1,044.1 millions and there appears to be no sign, certainly not from the evidence presented last year, that the chemical industry's post-war growth pattern is slowing down.

In 1956 there were 1,120 operating establishments in this group and they employed 52,500 persons who were paid \$199.6 millions in salaries and wages. Materials for use in manufacturing cost \$518 millions and fuel and electricity cost about \$36 millions.

Leaders of the chemical industries in advance of the general trend of the chemical group in 1956 were compressed gases with an increase of 26.2 per cent, medicinal and pharmaceutical preparations with 12.8 per cent, heavy chemicals with 11.8 per cent and primary plastics with 10.1 per cent. The only industries to show declines were the fertilizer industry which declined 10.5 per cent and the vegetable oils industry which declined 15.7 per cent. The percentage changes for all industries in the chemicals and allied products group were as follows: coal tar distillation, +9.0; heavy chemicals, +11.8; compressed gases, +26.2; fertilizers, -10.5; medicinals, +12.8; paints, +8.3; soaps, +9.2; toilet preparations, +3.4; inks +7.1; vegetable oils, -15.7; adhesives, +7.8; polishes, +4.6; primary plastics, +10.1; miscellaneous chemicals, +7.3.

The target for capital expenditures by the chemical industry on new plants and for machinery and equipment was set at \$138.3 millions in 1957, an increase of 12.5 per cent over an actual investment of \$122.9 millions in 1956 for the same purpose. The magnitude of this programme along with the substantial additions to chemical plant productive capacity over the past several years reflect a determination on the part of the Canadian chemical industry to keep abreast of the rest of the world in the development of production and process technology.

Trade in chemicals resulted in a net deficit of approximately \$60 millions for Canada in 1956. Imports of chemicals at \$288.6 millions were 10.8 per cent higher than the comparable total of \$260.5 millions recorded in 1955. This was not unexpected as the demand for all materials to satisfy the requirements of a growing economy continued unabated. Fortunately for Canada, however, a similar situation obtained abroad and as a result export trade in chemicals reached a new high of \$228.6 millions, an increase of 8.9 per cent over the \$210.0 millions reported in 1955.

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Chemicals

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Table 1 - Principal Statistics for the Chemicals and Allied Products Group, Significant Years 1920-1956 and by Industries, 1955 and 1956

Year and industry	Estab- lishments	Employees	Earnings	Cost of fuel and electricity at plant	Cost at plant of materials used	Gross selling value of products*
	No.	No.	(ooo's of dollars)	(ooo's of dollars)	(ooo's of dollars)	(ooo's of dollars)
1920	451	16,651	20,695	3,259	58,550	117,831
1925	510	14,128	17,887	3,274	42,855	99,393
1929	557	16,694	22,639	4,575	55,184	138,545
1933	696	15,397	18,739	3,155	34,272	92,821
1937	754	21,968	28,613	5,222	64,461	148,973
1939	808	22,595	31,568	5,259	65,231	159,537
1943	945	92,288	146,677	17,653	368,111	765,218
1946	1,021	37,378	66,538	13,340	159,308	376,288
1949	1,037	41,328	100,691	19,218	280,009	587,398
1951	1,037	45,664	131,310	25,506	366,958	776,489
1952	1,075	47,694	148,076	24,656	357,818	796,562
1953	1,105	50,207	164,591	29,541	403,686	881,503
1954	1,116	51,603	177,312	32,213	437,051	935,725
<u>1955 (Final)</u>						
Coal tar distillation	11	528	2,081	612	7,011	11,893
Heavy chemicals	45	8,597	35,548	15,033	61,686	172,256
Compressed gases	52	1,387	4,760	592	2,943	16,502
Fertilizers	39	2,935	11,542	2,642	41,397	92,499
Medicinals and pharmaceuticals	210	7,629	23,937	871	33,820	108,122
Paints and varnishes	122	5,994	20,768	875	59,785	117,184
Soaps and washing compounds ..	141	3,827	14,047	1,284	44,919	100,105
Toilet preparations	98	2,166	5,890	143	13,843	36,849
Inks	35	996	3,417	126	5,904	14,748
Vegetable oils	12	682	2,504	694	42,018	50,322
Adhesives	29	576	1,934	369	5,031	10,909
Polishes and dressings	48	805	2,564	100	8,746	19,606
Plastics (primary only)	23	3,036	12,333	1,491	40,265	75,052
Miscellaneous **	261	12,698	43,943	8,254	112,736	218,032
TOTAL	1,126	51,856	185,268	33,086	480,104	1,044,079
<u>1956 (Preliminary)</u>						
Coal tar distillation	11	528	2,155	666	8,020	12,960
Heavy chemicals	47	8,912	40,468	17,110	83,361	192,606
Compressed gases	52	1,379	5,035	707	3,405	20,826
Fertilizers	44	2,965	11,702	2,664	42,611	82,818
Medicinals and pharmaceuticals	211	7,859	25,983	946	37,683	121,995
Paints and varnishes	126	6,167	21,770	983	63,053	126,924
Soaps and washing compounds ..	144	3,750	14,576	1,300	46,001	109,278
Toilet preparations	90	2,193	6,212	159	15,658	38,062
Inks	33	993	3,723	143	6,641	15,784
Vegetable oils	12	675	2,558	505	36,936	42,393
Adhesives	28	596	2,156	468	5,349	11,759
Polishes and dressings	47	818	2,746	134	9,534	20,540
Plastics (primary only)	25	3,252	14,002	1,568	44,657	82,643
Miscellaneous **	250	12,422	46,474	9,038	115,435	234,007
TOTAL	1,120	52,509	199,560	36,391	518,344	1,112,595

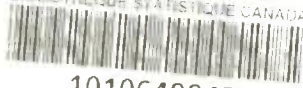
* - Factory shipments for 1952 and subsequent years.

** - Includes explosives, synthetic rubber, insecticides, matches, dry colours, etc.

Table 2 - Principal Statistics for the Chemicals and Allied Products Group, by Provinces, 1955 and 1956

Province	Estab- lishments	Employees	Earnings	Cost of fuel and electricity at plant	Cost at plant of materials used	Gross selling value of products
	No.	No.		(ooo's of dollars)		
<u>1955 (Final)</u>						
Newfoundland	5	78	224	19	742	1,430
Prince Edward Island and Nova Scotia	18	319	890	138	4,129	7,008
New Brunswick	7	131	441	65	3,116	4,211
Quebec	371	21,236	73,976	9,075	159,644	334,498
Ontario	553	25,137	90,765	20,353	266,606	578,134
Manitoba	38	743	1,970	161	6,748	12,124
Saskatchewan	10	200	743	23	2,256	3,171
Alberta	31	1,513	6,718	2,132	11,822	36,865
British Columbia and Northwest Territories	93	2,499	9,541	1,120	25,041	66,638
CANADA	1,126	51,856	185,268	33,086	480,104	1,044,079
<u>1956 (Preliminary)</u>						
Newfoundland	5	79	222	20	739	1,446
Prince Edward Island and Nova Scotia	17	318	939	161	4,364	7,394
New Brunswick	8	147	466	84	3,118	4,563
Quebec	372	21,232	78,556	9,915	176,384	354,426
Ontario	544	25,640	99,293	22,717	282,976	627,978
Manitoba	37	722	2,063	155	7,917	13,851
Saskatchewan	9	201	781	31	2,611	3,800
Alberta	31	1,692	7,586	2,198	13,198	35,259
British Columbia and Northwest Territories	97	2,478	9,654	1,110	27,037	63,878
CANADA	1,120	52,509	199,560	36,391	518,344	1,112,595

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