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Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.

Mining, Metallurgical and Chemical Branch
Acting Chief: W. H. Losee, B.Sc.

PRELIMINARY SUMMARY REPORT ON CHEMICALS AND ALLIED PRODUCTS IN CANADA, 1929.

Chemical production in Canada during 1929 showed a gain of 14 per cent over the total for the preceding year, according to preliminary figures prepared in the mining, metallurgical and chemical branch of the Dominion Bureau of Statistics at Ottawa. At \$168,598,892, the output value of chemicals and allied products made in Canada reached a higher valuation than in any previous year except 1917 and 1918 when the production of munitions carried the output value to an abnormally high level. The advance in value in 1929 over 1928 was \$21,623,055.

Imports of chemical products were valued at \$40,131,178 as against \$36,963,694 in the preceding year, and exports rose to \$21,827,696 as compared with \$18,356,645 in 1928.

Canada's consumption of chemicals and allied products during 1929, computed as the sum of the production and imports values less the value of chemicals exported, was \$186,902,374 or \$21.3 millions above the corresponding total of \$165,582,886 for the preceding year.

For statistical purposes the producers of chemicals and allied products have been arranged in fifteen groups, namely: acids, alkalies and salts; adhesives; coal tar distillation; compressed gases; explosives, ammunition and fireworks; fertilizers; flavouring extracts; matches; medicinal, pharmaceutical and toilet preparations; paints, pigments and varnishes; polishes and dressings; soaps and washing compounds; wood distillation products; and a miscellaneous group of industries whose products do not naturally fall under any of the preceding headings.

In 1929 gains were recorded in 12 of these 15 main divisions; the exceptions, each showing only a slightly lower total than in 1928, were the coal tar distillation industry, the manufacture of explosives, ammunition and fireworks, and the group specializing in the preparation of polishes and dressings.

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In the 549 **plants** classified as manufacturers of chemicals and **related** products, the capital employed totalled \$172,374,686, or \$23.4 millions more than the sum reported by the 572 concerns in this class in 1928. Employees numbered 16,791, or just a few more than in the preceding year; salaries and wages paid amounted to \$22,580,117 as against \$20,290,417. Materials used in manufacturing cost \$81,326,159 and as the selling value of products reached \$168,598,892, the value added by manufacturing, the difference between these two items, was \$87,272,733. Comparative data for 1928 showed materials at \$74,163,334, products at \$146,975,837, and valued added, \$72,812,503.

Ontario and Quebec are the leading provinces in the chemical industry in Canada.

In 1929 Ontario plants in this group numbered 292; Quebec stood second with 159; the numbers in the other provinces were: British Columbia, 38; Manitoba, 31; Nova Scotia, 12; New Brunswick, 8; Alberta, 6; and Saskatchewan, 3; making 549 in all.

Imports from the United Kingdom were worth \$5,502,453, a gain of \$728,274; imports from the United States were valued at \$27,403,857, marking a gain of \$2 millions over the figures for 1928.

Exports to the United Kingdom were valued at \$4,729,616 as against \$4,348,490 in 1928 and shipments to the United States reached a value of \$11,985,642 as against \$9,378,994 in the preceding year.

Chemical **process** industries are well established in Canada and contribute largely to domestic production and export trade. The record of recent years indicates active growth; higher output values show that the industries are expanding and **gaining** strength. It is interesting to observe that 79 per cent of Canada's chemical needs are met by Canadian industries.

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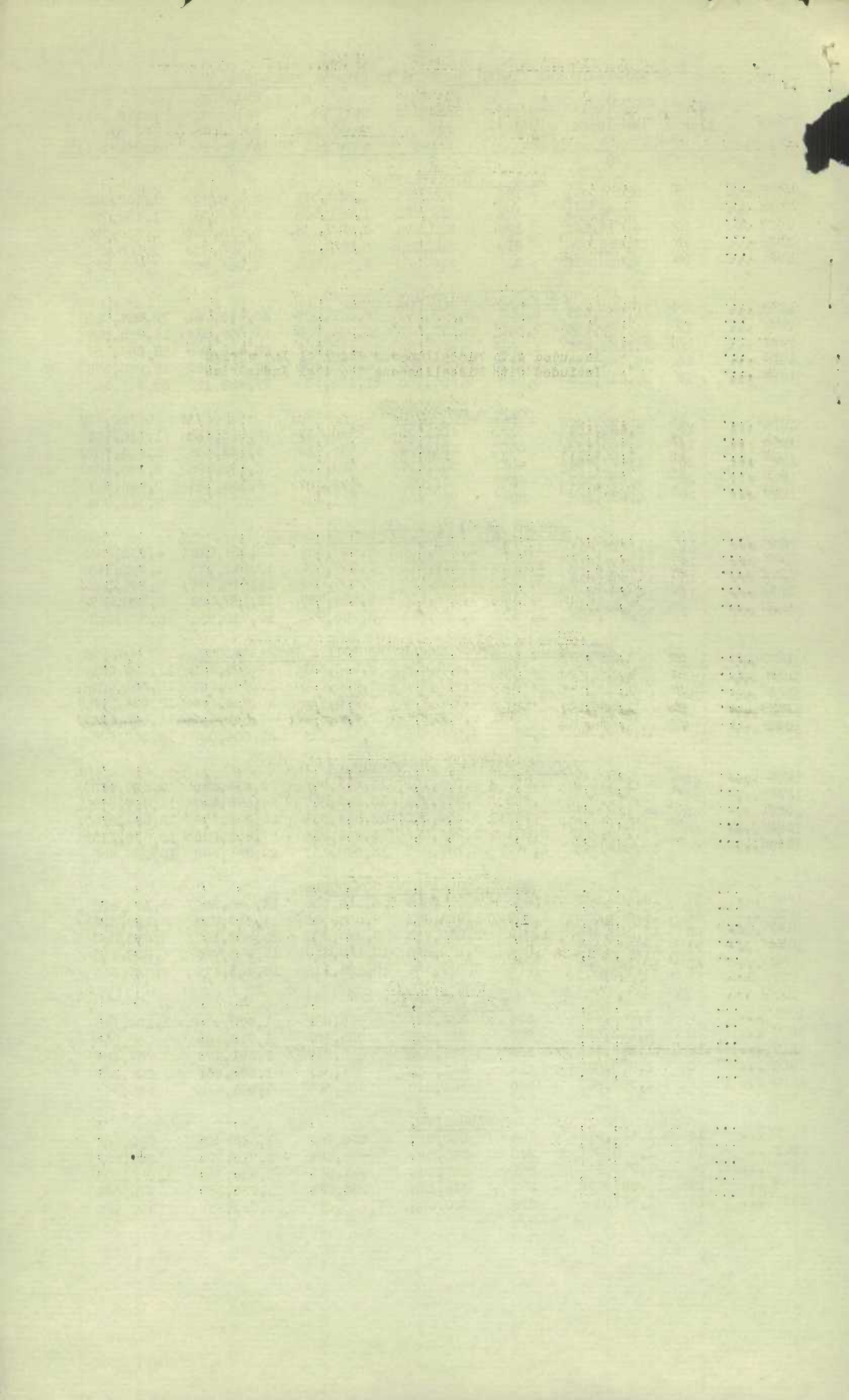
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CHEMICALS AND ALLIED PRODUCTS IN CANADA, 1925-1929.

Year	No. of plants	Capital employed	No. of employ-ees	Salaries and wages	Cost of materials at works	Selling value of products at works	Value added by manufacturing
		\$		\$	\$	\$	\$
<u>COAL TAR DISTILLATION</u>							
1925 ...	9	3,101,951	150	235,558	1,365,314	2,502,629	1,137,315
1926 ...	9	4,004,311	152	219,292	1,811,543	2,967,281	1,155,738
1927 ...	10	4,115,151	179	258,178	2,286,134	3,616,532	1,330,398
1928 ...	10	4,696,588	210	324,935	2,657,572	4,190,823	1,533,251
1929 ...	10	4,625,919	216	326,350	2,672,535	4,006,797	1,334,262
<u>ACIDS, ALKALIES AND SALTS</u>							
1925 ...	20	32,236,424	2,084	2,992,695	12,472,687	25,396,782	12,924,095
1926 ...	19	34,589,930	2,040	3,075,649	12,924,539	27,809,836	14,885,297
1927 ...	16	31,134,457	1,881	2,858,644	15,110,991	28,115,148	13,004,157
1928 ...	16	40,024,624	2,517	3,490,409	22,925,404	39,190,962	16,265,558
1929 ...	17	58,813,252	3,060	4,635,763	31,474,555	57,422,178	25,947,623
<u>COMPRESSED GASES</u>							
1925 ...	20	3,420,104	325	481,595	370,569	2,086,613	1,716,044
1926 ...	24	3,799,733	360	521,824	435,729	2,422,486	1,986,757
1927 ...	25	4,177,794	404	604,417	550,795	2,625,698	2,074,903
1928 ...	25	4,226,037	426	652,893	479,587	3,145,884	2,666,297
1929 ...	25	4,933,268	534	757,405	751,897	3,800,901	3,049,004
<u>EXPLOSIVES, AMMUNITION AND FIREWORKS</u>							
1925 ...	11	11,725,864	1,347	1,758,358	5,796,489	10,258,515	4,462,026
1926 ...	12	12,347,815	1,328	1,719,671	5,757,682	10,211,425	4,453,743
1927 ...	13	13,482,294	1,192	1,363,750	5,906,010	11,046,372	5,140,362
1928 ...	11	13,767,503	1,418	1,476,626	5,884,767	12,185,034	6,300,267
1929 ...	9	14,475,628	1,367	1,576,346	3,886,992	10,710,934	6,823,942
<u>MEDICINAL, PHARMACEUTICAL AND TOILET PREPARATIONS</u>							
1925 ...	151	18,279,302	2,770	3,411,676	5,942,361	17,307,977	11,365,616
1926 ...	176	19,936,367	2,934	3,471,266	6,956,098	19,307,985	12,851,887
1927 ...	184	20,666,320	3,135	3,785,724	7,259,718	20,714,544	13,454,826
1928 ...	184	20,355,031	3,225	4,002,876	7,202,018	21,842,642	14,640,624
1929 ...	179	21,698,090	3,263	4,358,668	7,541,814	21,884,020	14,342,206
<u>PAINTS, PIGMENTS AND VARNISHES</u>							
1925 ...	62	21,460,431	2,355	3,093,191	12,613,995	22,234,268	9,620,273
1926 ...	64	22,890,807	2,484	3,375,961	13,105,367	24,803,237	11,697,870
1927 ...	62	23,162,090	2,563	3,552,586	12,934,639	25,229,454	12,294,815
1928 ...	68	24,256,008	2,881	3,967,295	14,489,934	27,868,046	13,378,112
1929 ...	70	25,694,786	2,877	4,187,065	13,578,357	29,564,592	15,986,255
<u>SOAPS AND WASHING COMPOUNDS</u>							
1925 ...	57	14,489,542	1,553	2,091,806	8,949,500	14,068,378	5,118,878
1926 ...	62	14,609,530	1,499	1,993,871	9,556,596	14,847,018	5,290,422
1927 ...	63	16,128,456	1,549	2,036,783	9,890,020	15,528,100	5,638,080
1928 ...	71	17,995,983	1,884	2,160,696	10,190,307	16,998,726	6,808,419
1929 ...	65	18,452,428	1,958	2,299,784	10,623,113	18,443,478	7,820,365
<u>WOOD DISTILLATION</u>							
1925 ...	9	2,264,447	306	234,996	846,287	1,970,430	1,124,143
1926 ...	8	2,193,622	252	211,388	826,125	1,712,169	886,044
1927 ...	10	1,889,004	288	271,088	863,717	1,571,176	707,459
1928 ...	6	1,870,040	214	241,363	824,322	1,630,609	806,287
1929 ...	6	1,700,827	269	264,228	905,398	1,901,665	996,267
<u>ADHESIVES</u>							
1925 ...	16	1,481,916	196	282,012	660,702	1,443,356	782,654
1926 ...	15	1,569,001	240	328,597	866,464	1,710,095	843,631
1927 ...	14	1,593,196	261	357,034	921,301	1,934,240	1,013,108
1928 ...	14	1,805,699	283	345,152	984,301	1,956,865	972,564
1929 ...	13	1,841,356	276	340,698	1,125,073	2,052,339	927,266



CHEMICALS AND ALLIED PRODUCTS IN CANADA, 1925-1929 (continued)

Year	No. of plants	Capital employed	No. of employ-ees	Salaries and wages	Cost of materials at works	Selling value of products at works	Value added by manufacturing
		\$		\$	\$	\$	\$
<u>INKS</u>							
1925 ...	22	2,068,372	339	591,303	839,598	2,315,232	1,475,634
1926 ...	20	2,065,981	358	628,418	944,561	2,436,057	1,491,496
1927 ...	24	2,315,483	401	682,777	1,082,983	2,830,225	1,747,242
1928 ...	22	2,451,858	373	721,458	1,069,237	2,917,603	1,848,366
1929 ...	22	2,575,702	390	772,816	1,095,810	3,036,107	1,940,297
<u>MATCHES</u>							
1925 ...	4	5,101,457	902	565,691	1,052,432	2,054,640	1,002,208
1926 ...	3	4,509,305	781	523,784	1,069,635	1,943,795	874,160
1927 ...	3	4,846,034	762	563,102	965,845	1,874,707	908,862
1928 ...				Included with Miscellaneous Chemical Industries			
1929 ...				Included with Miscellaneous Chemical Industries			
<u>FERTILIZERS</u>							
1925 ...	13	2,095,608	201	205,173	1,045,294	1,437,787	392,493
1926 ...	12	1,891,054	221	210,427	1,047,641	1,449,589	401,948
1927 ...	12	1,998,811	233	224,564	1,200,030	1,844,052	644,002
1928 ...	12	2,131,905	251	281,109	1,446,800	2,189,986	743,186
1929 ...	11	2,478,610	247	282,963	1,492,966	2,332,012	839,046
<u>POLISHES AND DRESSINGS</u>							
1925 ...	35	1,589,238	285	374,634	683,801	1,624,391	940,590
1926 ...	39	1,335,822	236	308,358	662,155	1,406,581	744,426
1927 ...	37	1,401,061	248	299,795	671,423	1,422,111	750,688
1928 ...	33	1,348,394	215	298,733	653,788	1,396,675	742,887
1929 ...	28	1,347,713	207	295,393	621,583	1,351,431	729,848
<u>FLAVOURING EXTRACTS</u>							
1925 ...	22	1,320,079	268	312,964	995,667	1,686,743	691,076
1926 ...	22	1,353,869	263	295,595	978,156	1,722,496	744,340
1927 ...	20	1,558,170	272	318,811	1,107,093	1,821,374	714,281
1928 ...	23	1,603,001	313	346,751	1,122,243	1,874,099	751,856
1929 ...	21	1,924,551	333	444,164	1,136,711	1,900,048	763,337
<u>MISCELLANEOUS CHEMICAL INDUSTRIES</u>							
1925 ...	59	5,848,613	1,047	1,249,785	2,664,523	6,519,005	3,854,482
1926 ...	72	6,310,744	1,197	1,425,276	3,182,291	7,539,476	4,357,185
1927 ...	68	6,149,977	1,191	1,479,598	2,880,058	7,310,959	4,430,901
1928 ...	77	12,407,249	1,920	1,980,121	4,233,054	9,587,883	5,354,829
1929 ...	73	11,812,556	1,794	2,038,474	4,419,375	10,192,390	5,773,015
<u>TOTAL CHEMICALS AND ALLIED PRODUCTS</u>							
1925 ...	510	126,483,348	14,128	17,887,437	56,299,219	112,906,746	56,607,527
1926 ...	556	133,407,891	14,345	18,309,377	60,124,582	122,589,526	62,464,944
1927 ...	561	134,618,839	14,559	18,656,851	63,630,588	127,484,672	63,854,084
1928 ...	572	148,939,920	16,130	20,290,417	74,163,534	146,975,837	72,812,503
1929 ...	549	172,374,686	16,791	22,580,117	81,326,159	168,598,892	87,272,733

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