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-X-

PRELIMINARY SUMMARY REPORT ON CHEMICALS AND ALLIED PRODUCTS IN CANADA, 1928.

Production value of chemicals and allied products in Canada during 1928 was the highest recorded since 1918, according to preliminary figures compiled in the mining, metallurgical and chemical branch of the Dominion Bureau of Statistics at Ottawa. At a total of \$142,994,889 the value for 1928 showed a gain of \$15,510,217 over the figure for 1927. The 568 factories in operation reported a capital investment in fixed assets and working capital amounting to \$146,648,622. Employment was afforded to 15,577 people the year round. Raw materials at a delivered cost of \$72,115,140 were converted into products worth \$142,994,889 so that the net value added by manufacturing was \$70,879,749. As compared with 1927, production advanced 12 per cent, employment rose 7 per cent and capital was higher by 9 per cent.

With one exception, the industries in the chemical and allied products group reported higher total output values in 1928 than in 1927. Production from the acids, alkalies, salts and compressed gases industry, which is the most important of the group, amounted to \$42,134,171, an increase of \$11.4 millions over the total for 1927; paints, pigments and varnishes was of next importance at \$27,601,138 or \$2.4 millions above the figure for last year; medicinal and pharmaceutical preparations sold for \$17,117,896 as against \$16,249,191; the miscellaneous chemical industry showed an increase to \$12,779,991 from \$11,900,521; coal tar and its products showed a substantial increase to \$4,115,920; explosives, ammunition, fireworks and matches at \$13,534,862 marked an advance of more than half a million dollars; the output of the fertilizer industry was slightly higher at \$2,092,457; inks, dyes and colours showed some improvement at \$3,321,475; and wood distillates at \$1,647,137 was slightly above the figure for the preceding year. The only group to show a lower output value was the soaps, washing compounds and toilet preparations industry at \$18,649,942 as compared with \$19,993,453 in 1927.

Canada's chemical industry is still centred in Ontario and Quebec. In 1928 there were 302 plants located in Ontario having an aggregate production worth \$80,843,459 or \$6.6 millions more than in the preceding year while in Quebec there were

46-217

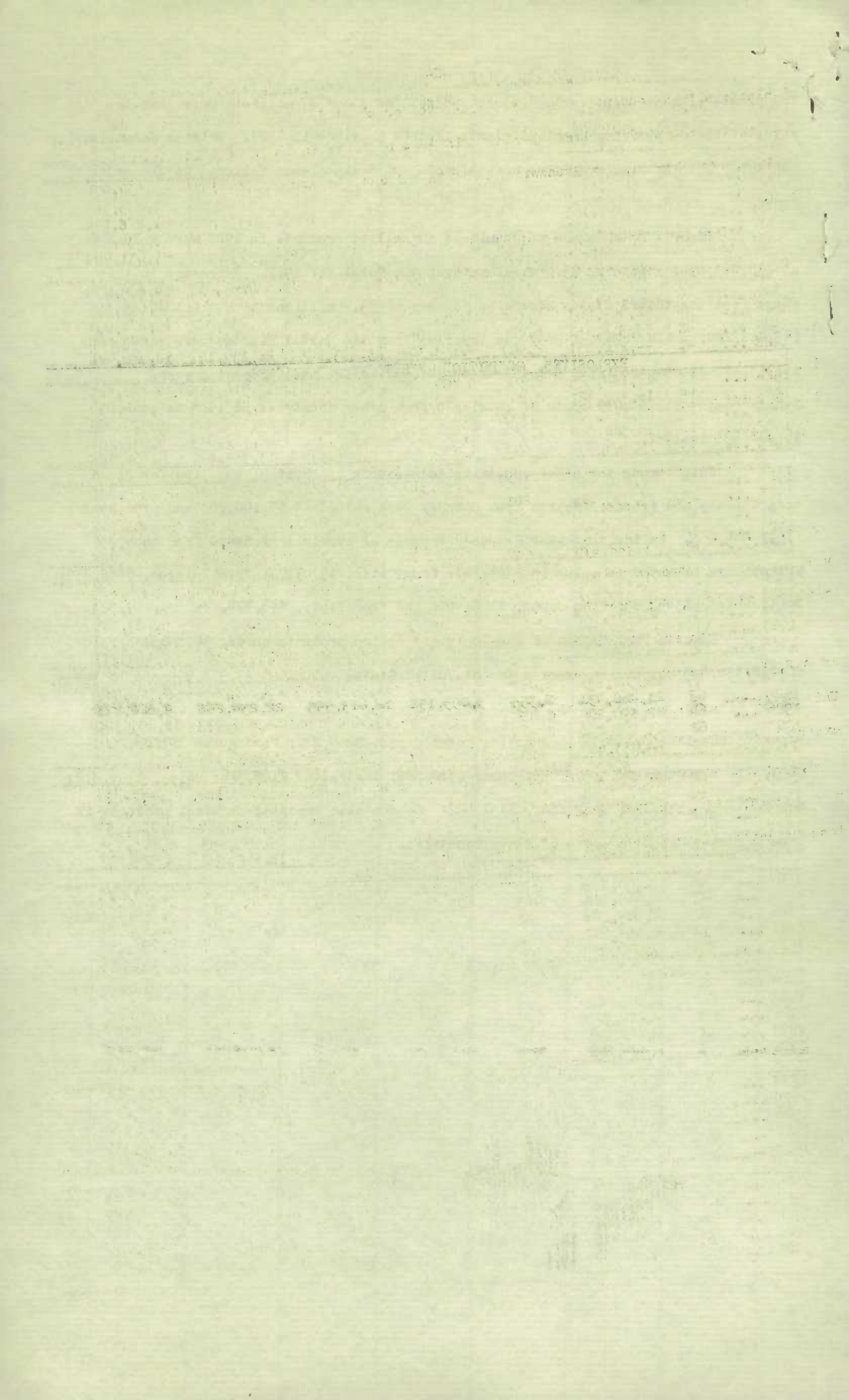
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169 plants with an output valued at \$46,983,685 or about \$7 millions more than the value of the output from chemical plants in this province in 1927. British Columbia, Manitoba, Nova Scotia, New Brunswick, Alberta and Saskatchewan followed in the order named.

Imports into Canada of chemicals and allied products in 1928 were valued at \$36,963,694, a gain of \$3.6 millions over the total for 1927. Purchases in this class from the United States showed an advance of \$3.4 millions to a total of \$25,428,284, while chemical products imported from the United Kingdom were worth only \$4,753,371 as compared with a total of \$4,347,931 in the next preceding year. Canada bought \$6,782,039 worth of chemicals from other countries in 1928 as against \$6,942,623 in 1927.

Chief among the other countries as a source of chemical supplies for Canada were Germany and France; imports from Germany were valued at \$3,100,206 and from France at \$1,345,165. In the same year Canada's imports of chemical products from the Netherlands amounted in value to \$724,547; from Chile, \$370,177; from Belgium, \$428,339; Switzerland, \$345,785; from Japan, \$100,487; and from Italy, \$96,824.

Exports from Canada of chemicals and allied products during 1928 had a value of \$18,356,645 comprising exports to the United States valued at \$9,378,994 and to the United Kingdom, \$4,348,490 and \$1,608,807 to Mexico. Other countries to which Canada exported chemical products in quantity were: Japan, \$244,882; Portuguese Africa, \$293,331; Newfoundland, \$577,094; Cuba, \$310,328; Australia, \$198,556; China, \$196,872; New Zealand, \$131,778; Hong Kong, \$157,427. Canada also exported chemical products in less amount to about a score of other countries.



CHEMICALS AND ALLIED PRODUCTS IN CANADA, 1924-1928

Year	No. of plants	Capital employed \$	No. of employ-ees	Salaries and wages \$	Cost of materials \$	Selling value of products \$	Value added by manufacturing \$
COAL TAR AND ITS PRODUCTS							
1924 ...	14	3,099,995	208	280,728	1,137,497	2,637,573	1,500,076
1925 ...	15	3,281,332	190	275,416	1,418,892	2,622,821	1,203,929
1926 ...	15	4,147,163	183	257,305	1,859,879	3,088,053	1,228,174
1927 ...	17	4,298,391	222	314,279	2,358,228	3,796,715	1,438,487
1928 ...	19	4,781,503	255	379,662	2,484,821	4,115,920	1,631,099
ACIDS, ALKALIES, SALTS AND COMPRESSED GASES							
1924 ...	41	34,298,071	2,413	3,469,320	11,616,643	26,241,722	14,625,079
1925 ...	40	35,656,528	2,409	3,474,290	12,843,256	27,483,395	14,640,139
1926 ...	43	38,389,663	2,400	3,597,473	13,360,268	30,232,322	16,872,054
1927 ...	42	35,312,251	2,285	3,463,061	15,661,786	30,740,846	15,079,060
1928 ...	41	44,250,661	2,943	4,143,302	23,383,685	42,134,171	18,750,486
EXPLOSIVES, AMMUNITION, FIREWORKS AND MATCHES							
1924 ...	18	17,184,725	2,350	2,489,248	8,787,392	13,310,315	4,522,923
1925 ...	15	16,827,321	2,249	2,322,049	6,848,921	12,313,155	5,464,234
1926 ...	14	16,857,120	2,109	2,243,455	6,827,317	12,155,220	5,327,903
1927 ...	16	18,328,869	1,954	1,926,852	6,871,855	12,921,079	6,049,224
1928 ...	13	19,396,449	2,011	1,862,088	6,668,274	13,534,862	6,866,588
FERTILIZERS							
1924 ...	14	2,072,488	166	159,310	730,158	1,277,145	546,987
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	1,844,032	644,002
1928 ...	12	1,782,876	226	229,364	1,397,169	2,092,457	695,288
MEDICINAL AND PHARMACEUTICAL PREPARATIONS							
1924 ...	104	15,156,479	2,193	2,666,997	4,895,352	13,350,347	8,454,995
1925 ...	120	16,037,286	2,273	2,892,975	4,798,120	13,987,849	9,189,729
1926 ...	130	17,194,519	2,365	2,875,677	5,552,699	15,382,475	9,829,776
1927 ...	136	17,542,111	2,578	3,160,802	5,762,019	16,249,191	10,487,172
1928 ...	138	17,932,855	2,625	3,296,698	5,657,623	17,117,896	11,460,273
PAINTS, PIGMENTS AND VARNISHES							
1924 ...	55	20,587,856	2,287	3,044,228	11,674,837	20,200,824	8,525,987
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	24,033,684	2,859	3,922,480	14,439,624	27,601,138	13,161,514
SOAPS, WASHING COMPOUNDS AND TOILET PREPARATIONS							
1924 ...	66	16,367,069	1,904	2,359,060	8,782,085	15,965,318	7,183,233
1925 ...	88	16,731,558	2,050	2,618,507	10,093,741	17,388,506	7,294,765
1926 ...	108	17,351,378	2,068	2,589,460	10,959,995	19,072,528	8,112,533
1927 ...	110	19,252,665	2,106	2,661,705	11,387,719	19,993,453	8,605,734
1928 ...	114	18,792,841	1,998	2,510,368	10,126,729	18,649,842	8,523,113
INKS, DYES AND COLOURS							
1924 ...	24	2,391,859	377	632,607	942,325	2,656,400	1,714,075
1925 ...	27	2,669,720	403	677,077	968,830	2,749,807	1,780,977
1926 ...	27	2,729,166	441	728,273	1,069,957	2,819,945	1,749,988
1927 ...	30	2,915,682	455	756,046	1,184,921	3,221,677	2,036,756
1928 ...	28	3,052,235	435	799,259	1,176,494	3,321,475	2,144,981
WOOD DISTILLATES AND EXTRACTS							
1924 ...	12	2,784,681	367	384,050	1,055,658	2,283,422	1,227,764
1925 ...	10	2,287,109	309	238,848	847,663	1,989,996	1,142,333
1926 ...	9	2,217,049	255	214,694	327,575	1,734,993	907,418
1927 ...	11	1,907,514	291	275,301	865,081	1,587,704	722,623
1928 ...	7	1,888,550	217	245,576	825,686	1,647,137	821,451
MISCELLANEOUS CHEMICAL INDUSTRIES							
1924 ...	109	9,279,747	1,707	2,018,587	4,689,966	10,294,171	5,604,205
1925 ...	120	9,436,455	1,689	2,089,211	4,820,507	10,699,162	5,878,655
1926 ...	134	9,739,972	1,819	2,216,652	5,513,834	11,851,164	6,337,280
1927 ...	125	9,900,455	1,872	2,321,655	5,404,310	11,900,521	6,496,211
1928 ...	128	10,736,968	2,009	2,453,635	5,955,035	12,779,991	6,824,956
TOTAL CHEMICALS AND ALLIED PRODUCTS							
1924 ...	457	123,222,970	13,972	17,504,135	54,311,913	108,217,237	53,905,324
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 ...	568	146,648,622	15,577	19,842,432	72,115,140	142,994,889	70,879,749

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