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matches in 4 establishments. The 15 plants gave work to an average of 2,173 people to whom \$2,280,012 was paid in salaries and wages and manufactured products worth \$12,307,752. Materials used cost \$6,902,909 giving thus \$5,404,843 as the value added by manufacture. Capital employed stood at \$17,239,592. The main products for sale were dynamites, monobels, gunpowder, nitrate mixtures, safety cartridges, safety fuses, percussion caps, detonators, railway signals, manufactured fireworks and matches.

Fertilizers.- Production of manufactured fertilizers in 1926 amounted in value to \$1,516,685, a gain of \$100,000 over the output value reported in 1925. Twelve plants were in operation, capital employed stood at \$1,818,743, employecs numbered 214 and payments in salaries and wages totalled \$204,246. Materials used cost \$1,033,680 and the value added by manufacture was only \$483,005. This industry covers only those firms making complete fertilizers. Commodities such as cyanamide, ammonium sulphate, tankage, dried blood, etc. are classified in other industries. Imports of fertilizer material were valued at \$3,692,680 and exports at \$4,664,316.

Medicinal and Pharmaceutical Preparations.- There were 126 plants in operation in this industry in 1926 as compared with a total of 120 in the preceding year. Production for the year was valued at \$15,145,641 as against \$13,987,849 in 1925. Employees numbered 2,358 and their yearly earnings totalled \$2,842,662. Imports of medicinal and pharmaceutical preparations and other drugs totalled \$3,100,911 as against \$2,968,089 in 1925.

Paints, Pigments and Varnishes.- Production in the paints, pigments and varnishes industry advanced 2.5 million dollars above the figure for last year and amounted in value to \$24,702,385. Sixty-three plants were in operation during the year employing a capital of about 23 million dollars and used raw materials worth \$12,947,639 in the manufacture of commodities for sale. Employees averaged 2,471 in number as against 2,355 in 1925. Imports totalled \$4,377,998 in 1926 and exports were worth \$502,183.

Soaps, Washing Compounds and Toilet Preparations.- This industry also showed a substantial increase in production value during 1926. The sales value of output in that year totalled \$18,908,991 as against \$17,388,506 in the preceding year. More than 2.5 million dollars was paid to the 1,997 employees. Raw materials cost \$10,910,278. Capital employed stood at \$17,021,005 as against \$16,731,558 in 1925. Thirty-eight concerns produced soaps chiefly, 22 were classed as manufacturers of washing compounds, and 40 as makers of toilet preparations as their principal product. Imports of soap reached a value of \$1,199,893 and exports, to \$783,261.

Inks, Dyes and Colours.- Printing inks, writing inks, dyes and dye soaps, printers' rollers, caramel, mortar colours, stains, mucilage and paste were the main

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products of this industry. In 1926, there were 26 plants in operation and production was well maintained at \$2,800,871. Capital employed amounted to \$2,705,266 and the number of workers stood at 438. Seven plants made writing inks as the main product, 13 made printing and lithographic inks and printers' rollers, and 6 made dyes and colours.

Wood Distillates and Extracts.- Production showed a slight decline in value to \$1,734,993 as compared with \$1,989,996 in 1925. Only 9 plants were in operation, capital employed stood at \$2,217,049 and the 255 workers were paid \$214,694 in salaries and wages during the year.

Miscellaneous Chemical Industries.- In addition to the industries reviewed in the preceding paragraphs there were 124 plants producing other chemical products of various kinds in Canada during 1926. The output of these factories reached a value of \$11,592,356 from materials which cost \$5,461,224. More than 1,800 persons were employed. Adhesives, baking powder, boiler compounds, celluloid products, flavouring extracts, insecticides, polishes and dressings, sweeping compounds and other chemical products are included in this group.

Imports of chemicals into Canada showed a substantial increase over 1925 while exports were considerably lower. Total imports for the year, of chemicals and allied products, had a value of \$31,358,384 as compared with \$27,653,819 in 1925. Important gains were recorded in the fertilizers, paints and inorganic chemicals groups while nearly all other classes showed small gains. Sixty-four per cent of all imports came from the United States, 16 per cent from United Kingdom and 20 per cent from other countries, chief among which were Germany, France, Netherlands, Chile, Argentina, Belgium, and Switzerland.

Exports were valued at \$16,308,773 as against \$17,490,254 in 1925. Cyanamide, calcium carbide, sodium cyanide, acetic acid, soaps, cobalt oxide, were among the most important items on the list. Of the total, 50 per cent of Canada's exports of chemical products went to the United States, 20 per cent to the United Kingdom and 30 per cent to other countries, chief among which were Mexico, Japan, Newfoundland, Portuguese Africa, Cuba, New Zealand, Barbados, Australia, China, and Chile in the order named.

Prices of chemical products remained at about the same level during 1926. Based on 1913 prices as 100 the Bureau's index number for chemicals and allied products which showed an average of 157.1 in 1925 was calculated at 157.8 for 1926 with only slight variations from month to month.

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CHEMICALS AND ALLIED PRODUCTS IN CANADA, 1922-1926

Year	No. of Plants	Capital Employed \$	No. of Employ- ees	Salaries and Wages \$	Cost of Materials \$	Selling Value of Products \$	Value added by Manu- facturing \$
COAL TAR AND ITS PRODUCTS							
1922...	8	1,237,077	90	110,026	313,341	886,358	573,017
1923...	14	3,205,780	239	334,965	1,381,724	3,166,100	1,784,376
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	4,208,697	190	263,414	1,808,481	2,942,443	1,133,962
ACIDS, ALKALIES, SALTS AND COMPRESSED GASES							
1922...	46	35,163,154	2,189	2,917,361	6,166,469	16,879,267	10,712,798
1923...	47	36,436,315	2,788	3,780,443	11,636,321	23,912,992	12,276,671
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	38,186,983	2,406	3,529,816	13,210,804	28,717,401	15,506,597
EXPLOSIVES, AMMUNITION, FIREWORKS AND MATCHES							
x1922...	20	13,328,938	2,326	2,554,539	8,893,740	13,788,658	4,894,918
x1923...	18	15,131,953	2,463	2,588,874	9,270,641	14,428,390	5,157,749
x1924...	18	17,184,725	2,350	2,489,248	8,787,392	13,310,315	4,522,923
1925...	15	16,827,321	2,072	1,903,769	6,848,921	12,313,155	5,464,234
1926...	15	17,239,592	2,173	2,280,012	6,902,909	12,307,752	5,404,843
FERTILIZERS							
1922...	17	3,935,467	344	348,879	1,098,230	1,981,418	883,188
1923...	18	3,616,001	329	310,441	831,470	1,487,244	655,774
1924...	14	2,072,488	166	159,310	730,158	1,277,145	546,987
1925...	13	2,095,608	101	205,117	1,045,294	1,437,787	392,493
1926...	12	1,818,743	214	204,246	1,033,680	1,516,685	483,005
MEDICINAL AND PHARMACEUTICAL PREPARATIONS							
1922...	109	13,995,461	2,302	2,752,680	4,145,298	11,532,536	7,387,238
1923...	104	14,655,699	2,271	2,667,741	4,474,487	12,256,608	7,782,121
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...	126	16,500,310	2,358	2,842,662	5,552,745	15,145,641	9,592,896
PAINTS, PIGMENTS AND VARNISHES							
1922...	53	21,073,706	2,451	3,421,217	11,354,903	20,230,545	8,875,642
1923...	57	20,806,909	2,591	3,665,823	10,754,273	21,553,158	10,798,885
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...	63	22,947,040	2,471	3,353,651	12,947,639	24,702,385	11,754,746
SOAPS, WASHING COMPOUNDS AND TOILET PREPARATIONS							
1922...	68	15,781,244	1,873	2,215,316	8,484,676	15,841,905	7,357,229
1923...	70	15,668,592	2,082	2,459,655	9,400,752	17,909,011	8,508,259
1924...	66	16,367,069	1,904	2,359,060	8,782,085	15,965,318	7,183,233
1925...	86	16,731,558	2,050	2,618,507	10,093,741	17,388,506	7,294,765
1926...	100	17,021,005	1,997	2,537,843	10,910,278	18,908,991	7,998,713
INKS, DYES AND COLOURS							
1922...	26	2,146,953	416	668,719	1,070,287	2,756,006	1,685,719
1923...	26	2,252,370	415	659,336	1,141,102	2,876,347	1,735,245
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...	26	2,705,266	438	722,431	1,060,438	2,800,871	1,740,433
WOOD DISTILLATES AND EXTRACTS							
1922...	12	3,265,882	295	292,229	932,667	1,902,243	969,576
1923...	9	2,814,045	344	332,026	976,621	2,743,295	1,766,674
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	868,477	1,734,993	866,516
MISCELLANEOUS CHEMICAL INDUSTRIES							
1922...	110	9,081,243	2,001	2,013,499	4,460,357	10,145,249	5,684,892
1923...	112	10,691,455	1,800	2,091,252	4,770,671	10,911,011	6,140,340
x1924...	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	2,089,911	4,820,507	10,699,162	5,878,655
1926...	124	9,434,494	1,811	2,209,845	5,461,224	11,592,356	6,131,132
TOTAL CHEMICALS AND ALLIED PRODUCTS							
x1922...	469	119,009,125	14,287	17,294,465	46,919,968	95,944,185	49,024,217
x1923...	475	125,279,119	15,322	18,890,556	54,638,062	111,244,156	56,606,094
x1924...	457	123,222,970	13,972	17,504,135	54,311,913	108,217,237	53,905,324
1925...	510	126,483,348	13,951	17,469,157	56,299,219	112,906,746	56,607,527
1926...	533	132,279,179	14,313	18,158,614	59,756,675	120,369,518	60,612,843

x Revised figures on capital and number of employees.

data for 1926 subject to revision.

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