Chemicals.—Chemical industries, associated in many phases with the use of hydro-electric power, have recorded marked growth in Canada in recent years. Owing to Canada's great water power resources and in particular to the fact that many water powers are situated near tidal waters, there is an opportunity in this country for the expansion and establishment of new chemical industries. Electric refining, at first applied to copper only, is now being extended to all the metals, and electric current is also employed in their extraction from the ores. The production of aluminium, of cyanamid, of new refractory materials and of graphite have already created large industries. The fixation of nitrogen with its many subsidiary industries, such as the manufacture of nitric acid, ammonium nitrate and explosives, the reduction of magnesium and the production of innumerable chemical compounds are now also under commercial development. Noteworthy progress has been made in the output of calcium carbide, which can be readily marketed in countries dependent for their domestic manufacture on electrical energy derived from coal. Exports of this chemical, mainly to the United States, increased in value from $161,000 in 1914 to $1,508,000 in 1927. The development of cheap electrical power has contributed to the advance of industries using electro-thermic reactions, the intense heat which it is possible to develop by electrical means being an especially advantageous factor. The manufacture of chemicals during the war period represented enormous figures, and even in 1925 the output reached a total value of $112,906,746. The products include commodities of such fundamental importance as fertilizers, calcium carbide, cyanamid, soap, paints, varnishes and wood distillates.

The principal statistics of each of the manufacturing industries of Canada during 1925 are presented in Table 5.

NOTE.—Preliminary statistics of the manufacturing industries of Canada for 1926, are given by provinces and by industrial groups, as follows:—

SUMMARY OF THE PRINCIPAL STATISTICS OF THE MANUFACTURING INDUSTRIES OF CANADA, 1926.

Provinces and Industrial Groups.	Establishments.	Capital.	Employees.	Salaries and wages.	Cost of materials.	Net value of products.	Gross value of products.
	No.	$	No.	$	$	$	$
Canada	**22,708**	**3,981,569,590**	**581,527**	**653,859,933**	**1,728,624,192**	**1,519,179,246**	**3,247,803,438**
(a) Provinces.							
P.E. Island	299	2,850,010	2,261	690,403	2,637,960	1,431,375	4,069,335
Nova Scotia	1,163	118,050,902	16,782	13,014,707	39,137,265	34,368,377	73,505,642
New Brunswick	910	95,661,154	17,674	14,609,734	44,074,961	30,047,278	74,122,239
Quebec	7,164	1,216,975,958	180,659	189,326,145	442,927,613	462,373,211	905,300,824
Ontario	9,457	1,985,165,921	280,351	335,164,239	908,044,673	769,888,831	1,677,933,504
Manitoba	797	127,445,924	21,201	26,973,850	75,000,529	57,717,923	132,718,452
Saskatchewan	674	33,943,060	4,904	6,397,545	29,128,035	17,980,062	47,108,097
Alberta	749	72,468,286	10,233	12,808,554	49,826,532	33,599,099	83,425,631
British Columbia and Yukon	1,495	329,008,375	47,462	54,865,756	137,846,624	111,773,090	249,619,714
(b) Industrial groups.							
Vegetable products	4,529	449,259,094	73,908	75,349,586	414,316,414	244,004,302	658,320,716
Animal products	4,896	223,938,559	67,843	60,203,986	329,114,267	122,920,658	452,034,925
Textile products	1,698	317,275,429	100,562	88,596,752	202,832,383	163,502,261	366,334,644
Wood and paper	6,751	929,589,278	134,185	160,916,729	261,001,976	339,062,685	600,064,661
Iron and steel products	1,142	597,982,098	103,510	137,640,065	258,020,373	247,168,476	505,188,849
Non-ferrous metals	403	202,503,426	30,095	39,201,147	90,613,004	92,888,719	183,501,723
Non-metallic minerals	1,240	261,724,184	26,045	31,986,949	82,293,319	91,863,604	174,156,923
Chemicals and allied products	556	133,407,891	14,345	18,309,377	60,124,582	62,464,944	122,589,526
Miscellaneous industries	436	109,669,565	17,628	21,703,342	30,307,874	39,835,657	70,143,531
Central electric stations	1,057	756,220,066	13,406	19,943,000	-	115,467,940	115,467,940