

in the year 1912. The production of building brick of various types in 1928 was 421,301,000, as compared with 398,439,000 in 1927 and 894,372,000 in 1912.

**Cement.**—The cement industry in Canada began with the manufacture of hydraulic or natural rock cement. The first production was probably at Hull, Quebec, between 1830 and 1840. The manufacture of Portland cement began about 1889. Owing to its superior qualities of uniformity and strength, it soon superseded the older product. Portland cement consists of an accurately proportioned mixture of lime, silica and alumina. The lime is usually furnished by limestone or marl, and the silica and alumina by clay or shale. The cement industry has naturally become established where these materials are situated with good facilities for a supply of fuel and for shipment of the product to the markets. The largest production is in Quebec and Ontario, although there are also active plants in Manitoba, Alberta and British Columbia. As may be seen from the table following (Table 27), the production of cement in 1928 established a record. The industry thus shows a healthy recovery from the unfavourable conditions from which it suffered during the war and post-war periods. Whereas in pre-war years Canada was an importer of Portland cement, she is now an exporter of this commodity.

**27.—Production of Portland Cement, by Quantities and Values, calendar years 1910-1929, and Imports and Exports, fiscal years ended March 31, 1910-1929.**

Years.	Production. <sup>2</sup>		Imports.		Exports.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
	brl. <sup>1</sup>	\$	cwt.	\$	cwt.	\$
1910.....	4,753,975	6,412,215	490,809	158,487	—	97,380
1911.....	5,692,915	7,644,537	1,283,721	494,081	—	2,571
1912.....	7,132,732	9,106,556	2,592,025	936,425	—	3,742
1913.....	8,658,805	11,019,418	4,958,814	1,955,177	—	2,861
1914.....	7,172,480	9,187,924	709,104	322,564	—	2,393
1915.....	5,681,032	6,977,024	287,402	123,613	—	1,065
1916.....	5,369,560	6,547,728	94,136	37,048	—	5,139
1917.....	4,768,488	7,724,246	63,074	29,719	—	2,727
1918.....	3,591,481	7,076,503	26,243	17,417	—	16,909
1919.....	4,995,257	9,802,433	26,687	26,437	—	15,945
1920.....	6,651,980	14,798,070	45,458	47,156	—	660,884
1921.....	5,752,885	14,195,143	132,187	153,513	2,811,127	2,107,180
1922.....	6,943,972	15,438,481	24,952	34,304	810,448	578,474
1923.....	7,543,589	15,064,661	112,610	90,849	1,544,254	719,882
1924.....	7,498,624	13,398,411	61,466	75,758	1,653,685	790,249
1925.....	8,116,597	14,046,704	95,225	64,323	519,328	200,859
1926.....	8,707,021	13,013,283	95,051	71,826	3,491,875	1,498,533
1927.....	10,065,865	14,391,937	62,725	81,715	1,022,819	370,935
1928.....	11,039,928	16,739,163	73,652	90,613	900,202	310,730
1929.....	12,284,081	19,339,244	121,209	149,436	934,949	339,267

<sup>1</sup> The barrel of cement=350 lb. or 3½ cwt. <sup>2</sup> "Production" as used here means quantity and value of sales.