

FERRO-PRODUCTS

Ferro-silicon and ferro-phosphorus were produced in Canada in electric smelting plants during 1915, the latter in small quantities only. Ferro-silicon, 50 per cent, 75 per cent, and 85 per cent, was made at Welland, Ont., by the Electro-Metals, Ltd., and ferro-phosphorus at Buckingham, Que., by the Electric Reduction Co., Ltd.

The total production of ferro-alloys during 1915, was 10,794 tons, valued at \$753,404, as against a production of 7,524 tons, valued at \$478,355 in 1914, and 8,075 tons, valued at \$493,018 in 1913. In 1912 the production was 7,834 short tons, valued at \$465,225, and in 1911, 7,507 short tons valued at \$376,404.

The exports of ferro-products were formerly included with pig-iron, but have been separately tabulated since April 1, 1914. During the nine months ending December, 1914, the exports of ferro-silicon and other ferro-products, as already stated, were 4,865 tons, valued at \$285,221, and during the twelve months ending December, 1913, 9,238 tons valued at \$537,081.

The imports of ferro-silicon, ferro-manganese, etc., during the calendar year 1915, were 13,758 tons, valued at \$807,312, or an average of \$58.68 per ton, as compared with imports during the calendar year 1914 of 22,147 tons, valued at \$549,485, or an average of \$24.81 per ton.

Imports of Ferro-Manganese, Ferro-Silicon, etc.

Fiscal Year.	Short tons.	Value.	Average value.	Fiscal Year.	Short tons.	Value.	Average value.
*1887.....	123	\$1,435	\$11.67	1903.....	6,350	\$162,710	\$25.62
1888.....	1,883	29,812	15.83	1904.....	2,975	75,554	25.40
1889.....	5,868	72,108	12.29	1905.....	12,935	246,815	19.08
1890.....	696	18,895	27.15	1906.....	15,023	462,739	30.80
1891.....	2,707	40,711	15.04	Calendar Year.			
1892.....	1,311	23,930	18.25	1907.....	15,437	536,285	34.74
1893.....	529	15,858	29.98	1908.....	11,718	401,761	34.29
*1894.....	284	9,885	34.81	1909.....	17,699	411,536	23.25
†1895.....	164	5,408	32.98	1910.....	18,900	464,741	24.59
1896.....	652	12,811	19.65	1911.....	17,226	429,465	24.93
1897.....	426	9,233	21.67	1912.....	19,810	469,884	23.72
1898.....	1,418	22,516	15.88	1913.....	30,355	990,443	30.98
1899.....	1,160	22,530	19.43	1914.....	22,147	549,485	24.81
1900.....	1,149	39,064	34.00	†1915.....	13,758	807,312	58.68
1901.....	1,512	38,954	25.76				
1902.....	6,513	150,977	23.18				

* From 1887 to 1894 inclusive. These amounts include: ferro-manganese, ferro-silicon, spiegel, steel bloom ends and crop ends of steel rails, for the manufacture of iron and steel.

† From 1895 to date. Ferro-silicon, spiegeleisen, and ferro-manganese.

CONSUMPTION OF PIG-IRON AND FERRO-ALLOYS

The total quantity of pig-iron and ferro-alloys used in Canada arrived at by adding to the production, the excess of imports over exports amounted