

Annual Production of Steel Ingots and Castings.

(IN SHORT TONS.)

	STEEL INGOTS.				STEEL CASTINGS.			Total Ingots and castings.
	Open- hearth.	Bessemer.	Electric and other steels.	Total Ingots.	Open- hearth.	Electric and other steels.	Total castings.	
1894								28,767
1895								19,040
1896								17,920
1897								20,608
1898								24,125
1899								24,640
1900								26,406
1901								29,214
1902				197,959			5,922	203,881
1903				198,249			5,047	203,296
1904				159,352			7,286	166,638
1905				441,342			10,521	451,863
1906				622,623			16,773	639,396
1907	459,240	225,989		685,229	20,602	1,151	21,753	706,982
1908	443,442	135,557		578,999	9,051	713	9,764	588,763
1909	535,988	203,715		739,703	14,013	1,003	15,016	754,719
1910	580,932	222,668		803,600	18,085	599	18,684	822,284
1911	651,676	209,817		861,493	20,163	740	20,903	882,396
1912	692,236	231,044		923,280	31,845	2,556	34,401	957,681
1913	824,818	301,932		1,126,750	39,217	3,026	42,243	1,168,993
1914	608,383	203,184		811,567	15,315	1,759	17,074	828,641
1915	962,411	19,448	7,970	989,829	28,384	2,683	31,067	1,020,896
1916	1,377,387	1,416	18,900	1,397,703	23,496	7,050	30,546	1,428,249

Materials charged to steel furnaces.—The total quantity of pig-iron used in steel furnaces during 1916 was 949,444 tons, of which 871,212 were produced by the firms reporting, and 78,232 tons purchased. The quantity of ferro-alloys used was 25,940 tons, all purchased. The total quantity of scrap iron and steel used was 679,162 tons of which 382,427 tons originated with the firms reporting, and 296,735 tons were reported as purchased. Ores used included 1,578 tons of manganese ore and 55,059 tons of iron ore, while 224,772 tons of limestone and dolomite were used, and 13,213 tons of fluorspar. In Ontario, about 1,154 million cu. ft. of natural gas were used, while in Nova Scotia coke oven gas was used at Sydney, of which a record of quantity was not obtained.

A record of materials used in steel furnaces covering the past seven years is shown in the following table:—

Pig-Iron, Scrap Iron, and Other Materials Charged to Steel Furnaces.

(IN SHORT TONS.)

Year.	Pig-iron.	Ferro-alloys.	Scrap iron and steel.	Iron ore.	Manganese ore.	Fluorspar.	Limestone and dolomite.
1910.....	690,913	8,143	211,453	39,332	1,317	7,461	144,110
1911.....	700,769	21,359	278,797	42,892	829	8,067	130,270
1912.....	735,559	24,237	336,265	43,006	985	9,709	148,045
1913.....	913,722	29,408	406,403	55,018	1,342	10,687	197,028
1914.....	619,670	20,252	286,863	37,686	723	7,845	114,859
1915.....	748,111	13,941	413,266	74,872	908	13,520	252,045
1916.....	949,444	25,940	679,162	55,059	1,578	13,213	224,772