

# IRON AND STEEL.

## Introductory.

The actual quantity of iron ore derived from Canadian iron mines during 1918 was, with the exception of the year 1911, the lowest since 1900.

During the past 18 years the production has varied between a minimum of 122,000 tons and a maximum of 404,000 tons and for many years has not contributed more than 5 per cent of domestic requirements in iron.

The metallurgical industry based upon imported ores has continued to develop and in both pig-iron and steel attained its maximum output during 1918, but is still supplying but a fraction of Canada's requirements in manufactured iron and steel products.

The average annual production of pig-iron during the last seven years has been a little in excess of 1,000,000 tons, a large percentage of which has been converted into steel. The annual production of steel has nearly doubled since 1912 amounting during 1918 to 1,873,708 tons. Supplementing the domestic production of steel the annual imports of iron and steel products in so far as it is possible to determine the quantities has for a number of years considerably exceeded 1,000,000 tons.

Notwithstanding the country's heavy imports a considerable export was made during the war more particularly of ferro-alloys, billets, bars and rods, rails and wire.

## Summary of Iron and Steel Statistics, 1915-18.

	1915.	1916.	1917.	1918.
Iron ore shipped from mines..... Short tons	398,112	275,176	215,302	211,608
Crossed iron ore charged to blast furnaces..... "	293,305	221,773	92,065	66,745
Imported iron ore charged to blast furnaces..... "	1,463,488	1,964,598	2,084,231	2,146,995
Iron ore charged to steel furnaces..... "	74,872	55,050	39,793	48,599
Pig-iron made in blast furnaces..... "	913,775	1,169,257	1,156,789	1,163,520
Pig-iron made in electric furnaces..... "			13,691	32,031
Pig-iron and ferro-alloys exported..... "	26,545	46,106	45,203	25,911
Pig-iron imported..... "	47,842	38,130	83,400	67,397
Ferro-alloys made..... "	10,794	28,628	43,465	44,704
Ferro-alloys imported..... "	13,758	14,777	12,829	35,284
Pig-iron and ferro-alloy consumption..... "	959,254	1,255,218	1,264,870	1,316,025
Pig-iron used in steel furnaces..... "	747,834	949,444	1,112,082	897,537
Steel ingots and castings made..... "	1,020,336	1,428,249	1,745,734	1,873,708
Steel rails made..... "	232,411	90,123	46,645	162,747
Canadian coke used in iron blast furnaces..... "	578,743	712,715	634,962	561,135
Imported coke used in iron blast furnaces..... "	486,022	645,488	723,657	861,522
Iron and steel imported..... "	771,007	864,916	920,776	786,007
Number of completed blast furnaces..... No.	19	20		
Number of men employed in blast furnaces..... "	1,004			
Wages paid in blast furnaces..... \$	675,453			
Value of pig-iron produced..... \$	11,374,199	17,750,898	24,290,101	33,495,171
Value of iron and steel goods exported..... \$	48,268,148	837,681	46,791,681	54,764,742
Value of iron and steel goods imported..... \$	74,308,983	1,090,168	187,191,534	169,538,669