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DEPARTMENT OF TRADE AND COMMERCE  
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MINING, METALLURGICAL AND CHEMICAL BRANCH

Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)  
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.

MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

MARCH - 1941

PIG IRON - Production of pig iron in Canada totalled 102,053 tons in March, an average of 3,292 tons a day compared with outputs of 3,256 tons daily in the previous month and 2,960 tons per day in March of a year ago. The total for the current month included 80,787 tons of basic iron, 9,128 tons of foundry iron and 12,123 tons of malleable iron.

Furnace charges during March included 180,080 tons of iron ore, 47,599 short tons of limestone and 100,630 short tons of coke, to make total charges for the first quarter of this year of 528,929 tons of ore, 141,862 short tons of limestone and 295,933 short tons of coke. From the first quarter charges, 296,238 tons of pig iron were produced, the corresponding three months' total for other years being reported at 283,507 tons in 1940 and 139,716 tons in 1939.

FERRO-ALLOYS - Output of 15,201 tons of ferro-alloys during March compares with 11,471 tons in February and 8,298 tons in March, 1940. This month's total was composed of seven grades listed according to the tonnage made, as follows: ferro-silicon, silicomanganese, ferrochrome, ferromanganese, spiegeleisen, calcium silicon and ferrophosphorus.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings averaged 6,306 tons a day in March for a total of 195,481 tons. In February the daily average amounted to 6,168 tons and in March of last year to 5,075 tons. This month's total included 138,104 tons of ingots and 7,377 tons of castings.

For the three months ending March 31, 1941, the total was 554,482 tons compared with first figures of 464,165 tons in 1940 and 251,074 tons in 1939.

PRICES - The Dominion Bureau of Statistics' index of prices of iron and steel products remained unchanged at 107.5 for March. This compared with an index of 106.3 at the beginning of the year, and a prewar figure of 97.1 in August 1939. Demand for all specifications was heavy and the use of construction steel in non-war industries has been restricted. Due to continued heavy construction and to seasonal repairs, sales of hardware increased in volume. Steps have been taken to stabilize scrap metal prices and already maximum quotations have been set for scrap steel. Similarly, the Prices Stabilization Division of the Defense Commission in the United States announced maximum prices on iron and steel scrap on April 2. Later in the month steel prices were "pegged" at first quarter levels. No. 1 foundry pig iron delivered at Toronto was unchanged at \$26.00 per long ton.

UNITED STATES PRODUCTION (From the "Iron Age") - Production of coke pig iron in the United States averaged 152,750 tons a day in March, a gain of 2.3 per cent over the February rate of 148,555 tons per day. During the month two furnaces were taken off blast and five were blown in, a net gain of three active furnaces.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING MARCH AND FEBRUARY 1941 (Tons of 2,240 pounds)

	MARCH, 1941			FEBRUARY, 1941		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic .....	80,787	-...	80,787	78,164	...	78,164
Foundry .....	...	9,128	9,128	...	5,014	5,014
Malleable .....	358	11,765	12,123	...	7,987	7,987
TOTAL .....	81,145	20,893	102,038	78,164	13,001	91,165
Ferro-alloys .....	-...	15,201	15,201	...	11,471	11,471

Table 2 - CUMULATIVE PRODUCTION FOR THE THREE MONTHS ENDING MARCH 1941 and 1940

	1 9 4 1			1 9 4 0		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Tons of 2,240 pounds)						
PIG IRON -						
Basic .....	244,420	4,128	248,548	232,758	5,729	238,487
Foundry .....	...	22,413	22,413	...	20,273	20,273
Malleable .....	358	24,969	25,327	...	24,747	24,747
TOTAL .....	244,778	51,510	296,288	232,758	50,749	283,507
Ferro-alloys .....	...	41,903	41,903	...	23,855	23,855

Table 3 - IRON BLAST FURNACE CHARGES DURING MARCH 1941 and FEBRUARY 1941 and THREE MONTHS ENDING MARCH, 1941.

	Unit	MARCH 1941	FEBRUARY 1941	THREE MONTHS ending March 1941
Iron Ore .....	Long ton	180,080	162,711	528,929
Limestone .....	Short ton	47,599	43,204	141,862
Coke .....	Short ton	100,630	90,517	295,933

STEEL INGOTS AND CASTINGS

Table 4 - PRODUCTION DURING MARCH AND FEBRUARY 1941 (Tons of 2,240 pounds)

	MARCH, 1941			FEBRUARY, 1941		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic .....	169,850	10,253	180,103	154,371	921	155,792
Electric .....	8,001	...	8,001	10,315	240	11,055
Other .....	...	...	...	...	...	...
Total Steel Ingots ..	177,851	10,253	188,104	165,686	1,161	166,847
STEEL CASTINGS -						
Open hearth - Basic .....	205	2,033	2,238	186	1,255	1,441
Converter .....	...	160	160	...	187	187
Electric .....	1,777	3,202	4,979	1,525	2,698	4,223
Total Steel Castings.	1,982	5,395	7,377	1,711	4,140	5,851
GRAND TOTAL	179,833	15,648	195,481	167,397	5,301	172,698



Table 5 - CUMULATIVE PRODUCTION FOR THE THREE MONTHS ENDING MARCH, 1941 and 1940

	1 9 4 1			1 9 4 0		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Tons of 2,240 pounds)					
<u>STEEL INGOTS -</u>						
Open hearth - Basic .....	487,239	17,904	505,143	416,823	158	416,981
Electric .....	29,839	532	30,371	26,906	...	26,906
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	517,078	18,436	535,514	443,729	158	443,887
<u>STEEL CASTINGS -</u>						
Open hearth - Basic .....	613	4,224	4,837	738	6,202	6,940
Converter .....	...	531	531	...	326	326
Electric .....	4,892	8,708	13,600	2,776	10,236	13,012
Total Direct Steel Castings	5,505	13,463	18,968	3,514	16,764	20,278
GRAND TOTAL .....	522,583	31,899	554,482	447,243	16,922	464,165

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS IN CANADA 1916 - 1939. (In 1000's of long tons)

Year	Monthly Average		Year	Monthly Average	
	Iron	Steel		Iron	Steel
1916 .....	87	106	1928 .....	86	103
1917 .....	87	130	1929 .....	90	115
1918 .....	89	139	1930 .....	62	84
1919 .....	68	77	1931 .....	35	56
1920 .....	81	92	1932 .....	12	28
1921 .....	50	56	1933 .....	19	34
1922 .....	32	40	1934 .....	34	63
1923 .....	73	73	1935 .....	50	78
1924 .....	49	55	1936 .....	57	93
1925 .....	48	63	1937 .....	75	117
1926 .....	63	65	1938 .....	59	96
1927 .....	59	76	1939 .....	63	115

Table 7 - PRODUCTION OF PIG IRON, BY MONTHS and BY PROVINCES, and STEEL INGOTS AND CASTINGS, BY MONTHS, 1940 and 1941 (In 1000's of long tons)

	P I G		I R O N		:		S T E E L	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		: TOTAL CANADA	
	1940	1941	1940	1941	1940	1941	1940	1941
January .....	34	36	71	67	105	103	167	186
February .....	23	29	64	62	87	91	140	173
March .....	34	33	58	69	92	102	157	195
TOTAL 3 months ..	91	98	193	198	284	296	464	554
April .....	31		53		84		153	
May .....	37		56		93		175	
June .....	33		56		89		166	
July .....	34		62		96		170	
August .....	34		55		89		172	
September .....	32		73		105		165	
October .....	35		74		109		185	
November .....	33		77		110		176	
December .....	35		75		110		185	
TOTAL .....	395		774		1,169		2,011	



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Table 8 -- IRON BLAST FURNACES IN CANADA

Name of Company	Location of furnace	Number of stacks	Total Daily Capacity (Long tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, N.S.	3	1,200
Canadian Furnace Limited	Port Colborne, Ontario.	1	350
The Steel Company of Canada, Ltd.	Hamilton, Ont.	2	975
The Algoma Steel Corporation	Sault Ste. Marie Ontario.	4	1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF MARCH, 1941

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast .....	8	3,375	82
Banked .....	...	...	...
Blown out .....	2	750	18
Total Furnaces Reporting .....	10	4,125	100

NOTE - Figures in this report are the latest available at time of printing. Where necessary, data for earlier months have been revised.