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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.

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PRODUCTION OF IRON AND STEEL IN CANADA

FEBRUARY, 1935.

PIG IRON - Production of pig iron in Canada at 37,259 tons in February compares with 44,416 tons in January and 12,199 tons in the corresponding month of a year ago. The decline from the previous month was largely in the foundry grade which fell off to 6,721 tons from 13,761 tons; there was also a slight drop in basic iron to 27,843 tons from 28,697 tons but the malleable grade showed some improvement to 2,695 tons from 1,958 tons.

February furnace charges included 68,104 long tons of imported iron ore, 18,987 short tons of limestone and 38,748 short tons of coke. Of the limestone 7,048 tons were quarried in this country and all of the coke was carbonized here including 18,011 tons from Canadian coal.

On February 2nd one 350 ton furnace at Port Colborne, Ont., was blown out and on February 8th one 450 tons furnace at Sault Ste. Marie, Ont., was blown in. The three furnaces active on February 28th had a capacity of 1,550 tons a day, or about 37 per cent of the total capacity of all the iron blast furnaces in Canada, and were located as follows:- one at Sydney, N.S., one at Hamilton, Ont., and one at Sault Ste. Marie, Ont.

FERRO-ALLOYS - Output of ferro-alloys in February amounted to 2,700 tons, or 96 tons a day, as against 2,807 tons in January, an average of 91 tons a day.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings at 56,006 tons in February compares with 59,526 tons in January and 57,999 tons in February, 1934. This month's figures included 52,196 tons of basic ingots, 1,798 tons of electric ingots and 2,012 tons of direct castings.

PRICES - Trade in iron and steel products showed steady improvement and prices held firm. Most of the current demand consisted of supplies for the automobile manufacturing and mining industries while building trades and railway requirements were practically negligible. As in the previous months, orders for small lot tonnages predominated but these were reported more frequently than formerly. The Dominion Bureau of Statistics index number of wholesale prices of "Iron and Its Products" on the base 1926 = 100, rose from 86.9 in January to 87.2 in February, due principally to higher prices for tin-plate. Quotations for foundry pig iron remained the same as in the previous month. No. 1 foundry and No. 2 delivered at Montreal were \$23.00 and \$22.50 per gross ton, respectively. These same grades delivered at Toronto were \$21.50 and \$21.00 per gross ton.

UNITED STATES - In the United States the February rate of pig iron production averaged 57,448 tons a day, an increase of 20.5 per cent over the January rate of 47,656 tons a day. The February daily rate was the highest for that month since 1931, when it reached 60,950 tons. Ten furnaces were blown in during the month and four blown out or banked, a net gain of six active furnaces.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - Production for the Current and Preceding Month (Tons of 2,240 lb.)

Item	FEBRUARY, 1935			JANUARY, 1935		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>In blast furnace -</u>						
Basic	27,843	...	27,843	28,659	38	28,697
Foundry .....	...	6,721	6,721	...	13,761	13,761
Malleable	138	2,557	2,695	...	1,958	1,958
TOTAL	27,981	9,278	37,259	28,659	15,757	44,416
Ferro-alloys .....	...	2,700	2,700	...	2,807	2,807

Table 2 - Cumulative Production for the Two Months ending February, 1935 and 1934.
(Tons of 2,240 lb.)

Item	1 9 3 5			1 9 3 4		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>In blast furnace -</u>						
Basic	56,502	38	56,540	33,211	...	33,211
Foundry .....	...	20,482	20,482	...	5,220	5,220
Malleable	138	4,515	4,653	277	4,168	4,445
TOTAL	56,640	25,035	81,675	33,488	9,388	42,876
Ferro-alloys .....	...	5,507	5,507	...	3,434	3,434

Table 3 - IRON BLAST FURNACE CHARGES, FEBRUARY, JANUARY AND YEAR TO DATE, 1935.

		February, 1935	January, 1935	Year to Date
Imported iron ore	long ton	68,104	73,570	141,674
Canadian limestone	short ton	7,048	8,047	15,095
Imported limestone	short ton	11,939	11,884	23,823
<u>Coke made in Canada -</u>				
From Canadian coal	short ton	18,011	18,731	36,742
From imported coal	short ton	20,737	15,787	36,524
Imported coke	short ton	...	9,152	9,152

(b) STEEL INGOTS AND DIRECT CASTINGS

Table 4 - Production for the Current and Preceding Month (Tons of 2,240 lb.)

Item	FEBRUARY, 1935			JANUARY, 1935.		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	52,196	...	52,196	55,983	107	56,090
Acid .....	...	...	...	...	...	...
Electric	1,798	...	1,798	1,849	...	1,849
Other .....	...	...	...	...	...	...
Total Steel Ingots	53,994	...	53,994	57,832	107	57,939
<u>STEEL CASTINGS</u>						
Open hearth - Basic	109	592	701	151	230	381
Acid .....	...	...	...	...	...	...
Bessemer .....	...	114	114	...	...	...
Electric	23	1,174	1,197	65	1,141	1,206
Total Direct Steel Castings ..	132	1,880	2,012	216	1,371	1,587
GRAND TOTAL	54,126	1,880	56,006	58,048	1,478	59,526

Table 5 - Cumulative Production for the Two Months ending February, 1935 and 1934.

Item	1 9 3 5			1 9 3 4		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	108,179	107	108,286	112,826	...	112,826
Acid .....	...	...	...	...	...	...
Electric	3,647	...	3,647	3,117	...	3,117
Other .....	...	...	...	...	...	...
Total Steel Ingots	111,826	107	111,933	115,943	...	115,943
<u>STEEL CASTINGS</u>						
Open hearth - Basic	260	822	1,082	163	836	999
Acid .....	...	...	...	...	...	...
Bessemer .....	...	114	114	...	66	66
Electric	88	2,315	2,403	86	1,692	1,778
Total Direct Steel Castings ..	348	3,251	3,599	249	2,594	2,843
GRAND TOTAL	112,174	3,358	115,532	116,192	2,594	118,786

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1933. (In 1000's of long tons)

Years	Monthly Average		Years	Monthly Average	
	Iron	Steel		Iron	Steel
1916	87	106	1925	48	63
1917	87	130	1926	63	64
1918	89	140	1927	59	76
1919	68	77	1928	86	103
1920	81	92	1929	91	115
1921	50	56	1930	62	84
1922	32	40	1931	36	56
1923	73	74	1932	12	29
1924	49	54	1933	19	34

Table 7 - Production of Pig Iron by Months and by Provinces, and Steel Ingots and Castings, by Months, in Canada, 1934 and 1935. (In 1000's of long tons)

Months	P I G		I R O N		T O T A L C A N A D A		S T E E L	
	NOVA SCOTIA		ONTARIO		T O T A L C A N A D A		T O T A L C A N A D A	
	1934	1935	1934	1935	1934	1935	1934	1935
January	12	17	19	27	31	44	61	60
February .....	..	16	12	21	12	37	58	56
March .....	..		12		12		73	
April .....	..		27		27		70	
May	9		29		38		71	
June	15		22		37		64	
July	15		22		37		67	
August	16		26		42		64	
September	17		26		43		57	
October	18		29		47		58	
November	16		23		39		57	
December	17		25		42		59	
TOTAL	135	33	272	48	407	81	759	116
Monthly Average	11	16	23	24	34	40	63	58

Table 8 - Iron Blast Furnaces in Canada, 1935.

Name of Company	Location	Number of Stacks	Total Daily Capacity (long tons)
British Empire Steel Corp. Ltd.	Sydney, N.S.	4	1,450
Canadian Furnace Co. Ltd.	Port Colborne, Ont.	1	350
The Steel Company of Canada, Ltd.	Hamilton, Ont.	2	825
Algoma Steel Corporation Ltd.	Sault Ste. Marie, Ont.	4	1,600

Table 9 - Description of Furnaces at end of February, 1935.

Condition of furnace	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	3	1,550	37
Banked .....	..	..	..
Blown out	8	2,675	63
TOTAL FURNACES REPORTING	11	4,225	100

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