

DOMINION BUREAU OF STATISTICS - CANADA  
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## PRODUCTION OF IRON AND STEEL IN CANADA

Historical File Copy

MARCH, 1934.

PIG IRON - Production of pig iron in Canada at 12,101 tons in March showed little change from the 12,199 tons of February. This month's output included 8,141 tons of basic iron, 2,692 tons of foundry iron, and 1,268 tons of malleable iron.

Furnace charges during the month included 22,255 long tons of imported iron ore, 6,192 short tons of limestone and 12,003 short tons of coke. Only 794 tons of the limestone were quarried in Canada but all of the coke was carbonized in Canada from imported coal. On March 28th one 550-ton furnace was blown in at Hamilton, Ontario, resulting in 2 furnaces being active in Canada on March 31st. These active furnaces had a capacity of 1,000 tons a day and represented 24 per cent of the total capacity of all the iron blast furnaces in Canada.

FERRO-ALLOYS - During March the output of ferro-alloys amounted to 1,413 tons as compared with 1,620 tons in February and 927 tons in March of a year ago. This month's output consisted largely of the spiegeleisen grade.

STEEL INGOTS AND CASTINGS - Production of steel ingots and castings in Canada at 72,923 tons in March compares with 57,999 tons in February of this year and 11,212 tons in March, 1933. For the three months ending March 31, 1934, the cumulative output of primary steel amounted to 191,709 tons as compared with 64,352 tons and 97,101 tons made in the corresponding periods of 1933 and 1932 respectively.

PRICES - An improved volume of business and firmer prices characterized the Canadian iron and steel industry in March. As formerly, the mining industry was responsible for the greater part of the business done but buying on the part of other trades also showed an increase. Demand for pig iron was reported better and trading in scrap advanced with more interest from outside sources shown in this material. Orders for small spot tonnages of steel predominated but some buying for future delivery, particularly on the part of the automobile industry, was also apparent.

The Bureau's index number of wholesale prices of "Iron and Its Products" on the base 1926 = 100, rose from 87.0 in February to 87.2 in March, due chiefly to higher quotations for foundry pig iron and for scrap iron and steel.

No. 1 foundry pig iron rose from \$22.00 to \$23.00 per gross ton delivered at Montreal and from \$20.50 to \$21.50 per gross ton delivered at Toronto. No. 2 foundry quoted on the same basis advanced from \$22.00 to \$22.50 and from \$20.00 to \$21.00 per gross ton, respectively.

UNITED STATES - In the United States the production of coke pig iron averaged 52,243 tons a day during March and showed an improvement of 15.8 per cent over the daily rate of 45,131 tons in February. Corresponding gains in February over January and in January over December amounted to 15.1 per cent and 2.8 per cent, respectively. During March of this year 9 furnaces were blown in and 2 blown out or banked, a net gain of 7 active stacks.

(a) PIG IRON AND FERRO-ALLOYS IN CANADA

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

Item	M A R C H, 1934			F E B R U A R Y, 1934		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>In blast furnaces:-</u>						
Basic .....	8,141	...	8,141	9,281	...	9,281
Foundry .....	...	2,692	2,692	...	603	603
Malleable .....	...	1,268	1,268	277	2,038	2,315
TOTAL .....	8,141	3,960	12,101	9,558	2,641	12,199
Ferro-alloys .....	...	1,413	1,413	...	1,620	1,620

Table 2 - Cumulative Production for the Three Months ending March  
(Tons of 2,240 lb.)

Item	1 9 3 4			1 9 3 3		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>In blast furnace:-</u>						
Basic .....	41,352	...	41,352	33,603	...	33,603
Foundry .....	...	7,912	7,912	...	500	500
Malleable .....	277	5,436	5,713	...	1,250	1,250
TOTAL .....	41,629	13,348	54,977	33,603	1,750	35,353
Ferro-alloys .....	...	4,847	4,847	...	3,220	3,220

Table 3 - Iron Blast Furnace Charges, March, February, and Year to Date.

	March 1934	February 1934	Year to Date
Imported iron ore ..... long ton	22,255	21,898	96,209
Canadian limestone ..... short ton	794	1,659	6,411
Imported limestone ..... short ton	5,398	4,718	26,373
<u>Coke made in Canada -</u>			
From Canadian coal ..... short ton	...	...	14,984
From imported coal ..... short ton	12,003	13,359	44,833
Imported coke ..... short ton	...	...	...

## (b) STEEL INGOTS AND DIRECT CASTINGS

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

Item	M A R C H, 1934			F E B R U A R Y, 1934		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic .....	69,362	...	69,362	55,050	...	55,050
Acid .....	...	...	...	...	...	...
Electric .....	1,719	...	1,719	1,622	...	1,622
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	71,081	...	71,081	56,672	...	56,672
<u>STEEL CASTINGS</u>						
Open hearth - Basic .....	118	448	566	70	372	442
Acid .....	...	...	...	...	...	...
Bessemer .....	...	45	45	...	36	36
Electric .....	22	1,209	1,231	39	810	849
Total Direct Steel Castings .....	140	1,702	1,842	109	1,218	1,327
GRAND TOTAL .....	71,221	1,702	72,923	56,781	1,218	57,999

Table 5 - Cumulative Production for the Three Months ending March

Item	1 2 3 4			1 2 3 4		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic .....	182,188	...	182,188	56,553	30	56,583
Acid .....	...	...	...	...	...	...
Electric .....	4,836	...	4,836	4,077	...	4,077
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	187,024	...	187,024	60,630	30	60,660
<u>STEEL CASTINGS</u>						
Open hearth - Basic .....	281	1,284	1,565	24	861	885
Acid .....	...	...	...	...	...	...
Bessemer .....	...	111	111	6	146	152
Electric .....	108	2,901	3,009	57	2,598	2,655
Total Direct Steel Castings .....	389	4,296	4,685	87	3,605	3,692
GRAND TOTAL .....	187,413	4,296	191,709	60,717	3,635	64,352

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1932. (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			



Table 7 - Production of Pig Iron by Months and by Provinces, and Steel Ingots and Castings by Months in Canada, 1933 and 1934. (In 1000's of long tons)

Castings by Sections in Canada, 1933 and 1934. (In 1000's of Long Tons)								
Months	P I G I R O N		S T E E L					
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		TOTAL CANADA	
	1933	1934	1933	1934	1933	1934	1933	1934
January .....	16	12	13	19	29	31	41	61
February .....	6	...	...	12	6	12	12	58
March .....	...	...	...	12	...	12	11	73
April .....	...	...	...	...	...	...	12	...
May .....	...	...	...	...	...	...	23	...
June .....	1	...	...	...	1	...	32	...
July .....	16	...	16	...	32	...	49	...
August .....	16	...	19	...	35	...	49	...
September .....	16	...	15	...	31	...	38	...
October .....	17	...	10	...	27	...	48	...
November .....	16	...	14	...	30	...	43	...
December .....	15	...	23	...	38	...	50	...
TOTAL .....	119	12	110	43	229	55	408	192
Monthly Average .....	10	4	9	14	19	18	34	64

Table 8 - Iron Blast Furnaces in Canada, 1933.

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 Corp. Ltd.	Sault Ste. Marie, Ont.	4	1,600

Table 9 - Description of Furnaces at end of March, 1934.

Condition of furnace	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast .....	2	1,000	24
Banked .....	...	...	...
Blown out .....	9	3,225	76
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.

