

41 003 CANADA

DOMINION BUREAU OF STATISTICS

Vol. 5

No. 3

Historical File Copy

Monthly Report

of the

PRODUCTION OF IRON AND STEEL

IN CANADA

MARCH, 1925

Published by Authority of the HON. THOS. A. LOW, M. P.
Minister of Trade and Commerce.

OTTAWA

1925

Dominion Bureau of Statistics, Canada

R. H. COATS, B. A., F. S. S. (Hon.), F.R.S.C. -- DOMINION STATISTICIAN

S. J. COOK, B.A., A.I.C., F.C.I.C., -- Chief of the
MINING, METALLURGICAL AND CHEMICAL BRANCH

PRODUCTION OF IRON AND STEEL IN CANADA IN MARCH 1925

PIG IRON AND FERRO ALLOYS

The production of 63,932 long tons of coke pig iron in Canada during March was the highest monthly output reported since May, 1924 and exceeded the combined totals for January and February of this year. The increase over last month was 117 per cent, February in turn showed an increase over January of 4 per cent. The entire March output consisted of basic iron, 63,740 tons being for the further use of the reporting firms and the balance of 192 tons was intended for sale.

Materials charged to blast furnaces consisted of 116,726 long tons of imported ore, 67,890 short tons of coke and 34,402 short tons of limestone. The cumulative consumption of these materials in blast furnaces for the first quarter of the year amounted to 224,908 tons ore, 136,303 tons coke and 65,925 tons limestone.

The cumulative production of pig iron for the first quarter amounted to 121,740 tons as compared with 201,280 tons for the first three months of 1924, and consisted of 97,736 tons basic iron, 15,722 tons foundry iron and 8,282 tons malleable iron.

The number of active furnaces remained unchanged at five, located as follows: 2 at Sydney, N.S.; 2 at Sault Ste. Marie, Ont.; and one at Hamilton, Ont. These furnaces having a combined capacity equal to 41.3 per cent of the possible Canadian output were operated at 99.4 per cent of their rated capacity during March.

The output of 1,962 tons ferro-alloys marked an increase of 10 per cent over the 1,780 tons of February. The total production this year amounted to 3,433 tons and consisted mostly of the grade containing 80 per cent manganese; a small quantity of ferro-silicon was also produced.

PIG IRON AND FERRO ALLOYS IN CANADA

Table 1. PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2240 lb.)

ITEM	MARCH 1925			FEBRUARY 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	63,740	192	63,932	20,519	152	20,671
Foundry.....	-----	-----	-----	79	4,355	4,432
Malleable.....	-----	-----	-----	-----	4,403	4,403
TOTAL.....	63,740	192	63,932	20,598	4,908	29,506
Ferro-alloys.....	-----	1,962	1,962	-----	1,780	1,780

Table 2. CUMULATIVE PRODUCTION FOR THE THREE MONTHS ENDING MARCH
(Tons of 2240 lb.)

ITEM	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	97,392	344	97,736	126,462	3,261	129,723
Foundry.....	85	15,637	15,722	200	61,509	61,709
Malleable.....	-----	8,282	8,282	-----	9,848	9,848
TOTAL.....	97,477	24,263	121,740	126,662	74,618	201,280
Ferro-alloys.....	-----	5,433	5,433	-----	8,495	8,495

TABLE 3. BLAST FURNACE CHARGES - FEBRUARY, MARCH AND YEAR TO DATE

		March	February	TOTAL 3 months
Canadian Iron ore	Long tons	nil	nil	nil
Imported Iron ore.....	" "	116,726	56,135	224,908
Coke.....	Short tons	67,890	37,746	136,303
Limestone.....	" "	34,402	17,456	65,925

STEEL INGOTS AND CASTINGS

Reflecting the high output of pig iron in Canada the production of 107,605 long tons of steel ingots and castings was the greatest tonnage reported for any month since May 1924, which in turn had not been exceeded since October 1920. The March output exceeded the 37,221 tons of February by 189 per cent.

For the first three months of the year the cumulative production was 171,952 tons or slightly below the 207,224 tons for the same period of last year. This production was made up of 167,336 tons of steel ingots and 4,616 tons of steel castings, all of the ingots and 6 per cent of the castings were made for the further use of the reporting firms.

Most pig iron prices showed no change in March as compared with February. No. 1 foundry at Toronto was quoted at \$29.80 per ton; No. 2 foundry at \$29.30 and both grades at Montreal at \$31.20. Basic pig iron at the mill fell from \$25.00 to \$24.00. The Bureau's index number for iron and its products (1913 prices = 100) fell from 158.8 in February to 158.1 in March.

In the United States of America the output of pig iron rose to 114,975 tons per day, an increase of 184 tons per day over the daily average for February. During the month ten furnaces were blown out or banked, and one furnace was blown in, bringing the number of active furnaces to 245 on April 1st. The first week of April brought a 50 cent reduction in the price of Lake iron ore and further declines in the prices of pig iron and scrap.

STEEL INGOTS AND CASTINGS IN CANADA

Table 4 PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2240 lb.)

	MARCH 1925			FEBRUARY 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	104,865	-----	104,865	35,197	-----	35,197
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Other	660	-----	660	427	-----	427
TOTAL STEEL INGOTS	105,525	-----	105,525	35,624	-----	35,624
STEEL CASTINGS:						
Open Hearth-Basic	156	907	1,063	89	696	785
Acid	-----	-----	-----	-----	-----	-----
Bessemer	6	135	141	6	159	165
Electric	4	872	876	1	646	647
TOTAL DIRECT STEEL CASTINGS	166	1,914	2,080	96	1,501	1,597
GRAND TOTAL	105,691	1,914	107,605	35,720	1,501	37,221

Table 5 CUMULATIVE PRODUCTION For the THREE MONTHS ending MARCH

	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	165,749	-----	165,749	197,619	-----	197,619
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Other	1,587	-----	1,587	102	-----	102
TOTAL STEEL INGOTS	167,336	-----	167,336	197,721	-----	197,721
STEEL CASTINGS:						
Open Hearth-Basic	257	1,999	2,256	375	6,454	6,829
Acid	-----	-----	-----	-----	782	782
Bessemer	14	358	372	15	382	397
Electric	6	1,982	1,988	85	1,409	1,495
TOTAL DIRECT STEEL CASTINGS	277	4,339	4,616	476	9,027	9,503
GRAND TOTAL	167,613	4,339	171,952	198,197	9,027	207,224

Table 6 AVERAGE MONTHLY PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS
IN CANADA, 1911 - 1920.
(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1911	68	66	1916	87	106
1912	75	71	1917	87	130
1913	84	87	1918	89	140
1914	58	62	1919	68	77
1915	68	76	1920	81	92

TABLE 7 TOTAL PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS IN CANADA
BY MONTHS FROM 1921 TO DATE
(In 1000's of Long Tons)

MONTH	1921		1922		1923		1924		1925	
	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel
January	41	40	32	33	41	48	64	41	28	27
February	58	59	34	42	44	46	60	71	30	37
March	60	53	42	30	65	89	77	95	64	108
April	39	27	33	22	84	93	84	104		
May	56	52	23	17	102	104	85	108		
June	55	64	29	33	99	96	57	69		
July	54	54	32	63	82	74	45	52		
August	50	72	27	59	93	105	23	23		
September	44	56	25	36	75	66	23	18		
October	50	72	37	53	74	67	29	20		
November	48	75	34	51	62	55	23	23		
December	40	43	36	47	60	41	23	26		
TOTAL	595	667	384	486	881	884	593	650	122	172
MONTHLY AVERAGE	50	56	32	40	73	74	49	54	41	57

Table 8. BLAST FURNACES IN CANADA, 1923

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	8	2,475
Canadian Furnace Co., Ltd.	Port Colborne, Ont.	1	325
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	725
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,500
TOTAL		15	5,025

NOTE: In previous issues of this report, the number of furnaces has been given as 20 but as 5 of this number have not been operated for several years, they have been omitted from the present record.

Table 9. DESCRIPTION OF FURNACES AT END OF FEBRUARY

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	5	2,075	41
Banked	-	-	-
Blown out.....	10	2,950	59
Total furnaces reporting.....	15	5,025	100

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