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Monthly Report

of the

PRODUCTION OF IRON AND STEEL IN CANADA

MARCH, 1923

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PRODUCTION OF IRON AND STEEL IN CANADA

March, 1923

PIG IRON AND FERRO-ALLOYS

The production of pig iron during March was greater than the output of any month since November, 1920, and amounted to 65,297 long tons an increase of 21,047 tons or 47.6% over the production in the preceding month. The March output was 30.6% in excess of the monthly average for 1921, and was also 100.9% above the average for 1922.

The production of basic pig iron in March was more than double the output in the preceding month and amounted to 55,008 tons. Foundry and malleable iron production on the other hand was considerably less than in February. The production of all grades of pig iron in March amounted to 65,297 tons as compared with 44,250 tons in February.

The number of furnaces in blast was unchanged; during the month there were in operation three furnaces at Sydney, two at Hamilton and two at Sault Ste. Marie.

Exports of ferro-silicon to the United States,which during 1921 had dropped much below the tonnage reported for the preceding year, increased appreciably during 1922, so much so in fact, that the U. S. Treasury Department made an investigation and issued a finding under date of March 23, 1923 that ferro-silicon was being imported from Ontario into the United States in such volume and at such a price as injuriously to affect the ferro-silicon industry in that country.

Table 1 (a) shows the production of pig iron by grades, and ferro-alloys during the month. For comparison Table 1 (b) shows the corresponding data for the preceding month and Table 1 (c) shows the total output of pig iron and ferro-alloys for three months ending March 1923.

PIG IRON AND FERRO-ALLOYS PRODUCTION (Tons of 2240 lbs.)

Table 1 (a) - MARCH - 1923.

	IN BLAST FURNACES For Own Use	IN BLAST FURNACES For Sale	IN ELECTRIC FURNACES For Own Use	IN ELECTRIC FURNACES For Sale	TOTAL PRODUCTION
PIG IRON:					
Basic	53,333	1,675	- -	- -	55,008
Foundry	3,131	4,603	- -	- -	7,734
Malleable	- - -	2,555	- -	- -	2,555
All other	- - -	- - -	- -	- -	- -
TOTAL PIG IRON	56,464	8,833	- -	- -	65,297
TOTAL FERRO-ALLOYS	- - -	- - -	- -	2,213	2,213

Table 1 (b) - FEBRUARY - 1923.

PIG IRON:					
Basic	24,782	639	- -	- -	25,421
Foundry	2,551	10,578	- -	- -	13,129
Malleable	- - -	5,700	- -	- -	5,700
All other	- - -	- - -	- -	- -	- -
TOTAL PIG IRON	27,333	16,917	- -	- -	44,250
TOTAL FERRO-ALLOYS	- - -	- - -	- -	1,977	1,977

Table 1 (c) - TOTAL for the THREE months ending MARCH, 1923.

PIG IRON:					
Basic	101,901	2,314	- -	- -	104,215
Foundry	9,851	24,542	- -	- -	34,393
Malleable	- - -	11,678	- -	- -	11,678
All other	- - -	- - -	- -	- -	- -
TOTAL PIG IRON	111,752	38,534	- -	- -	150,286
TOTAL FERRO-ALLOYS	- - -	- - -	- -	6,283	6,283

No. of blast furnaces:

	First of Month	End of Month
ACTIVE	7	7
IDLE	13	13

Table 2 (a) shows the average monthly production of pig iron in Canada for the ten-year period from 1909 to 1918, inclusive, and Table 2 (b) shows the actual production by months for the years 1919 to date.

Table 2 (A), AVERAGE MONTHLY PRODUCTION OF

PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1909 - 1918.

In 1000's of Long Tons

YEAR	MONTHLY AVERAGE Iron	Steel	YEAR	MONTHLY AVERAGE Iron	Steel
1909	56	56	1914	58	62
1910	60	61	1915	68	76
1911	68	66	1916	87	106
1912	75	71	1917	87	130
1913	84	87	1918	89	140

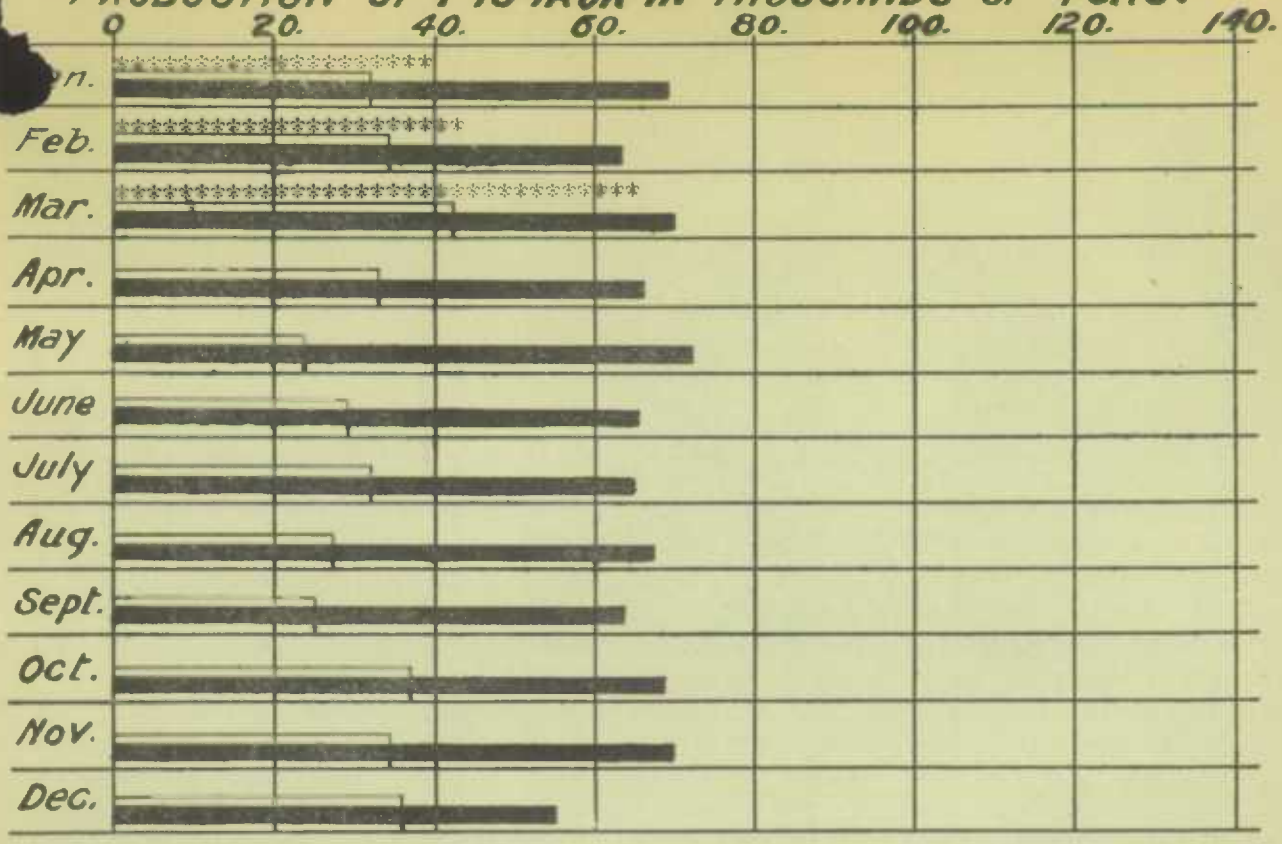
TABLE 2 (B) TOTAL PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS

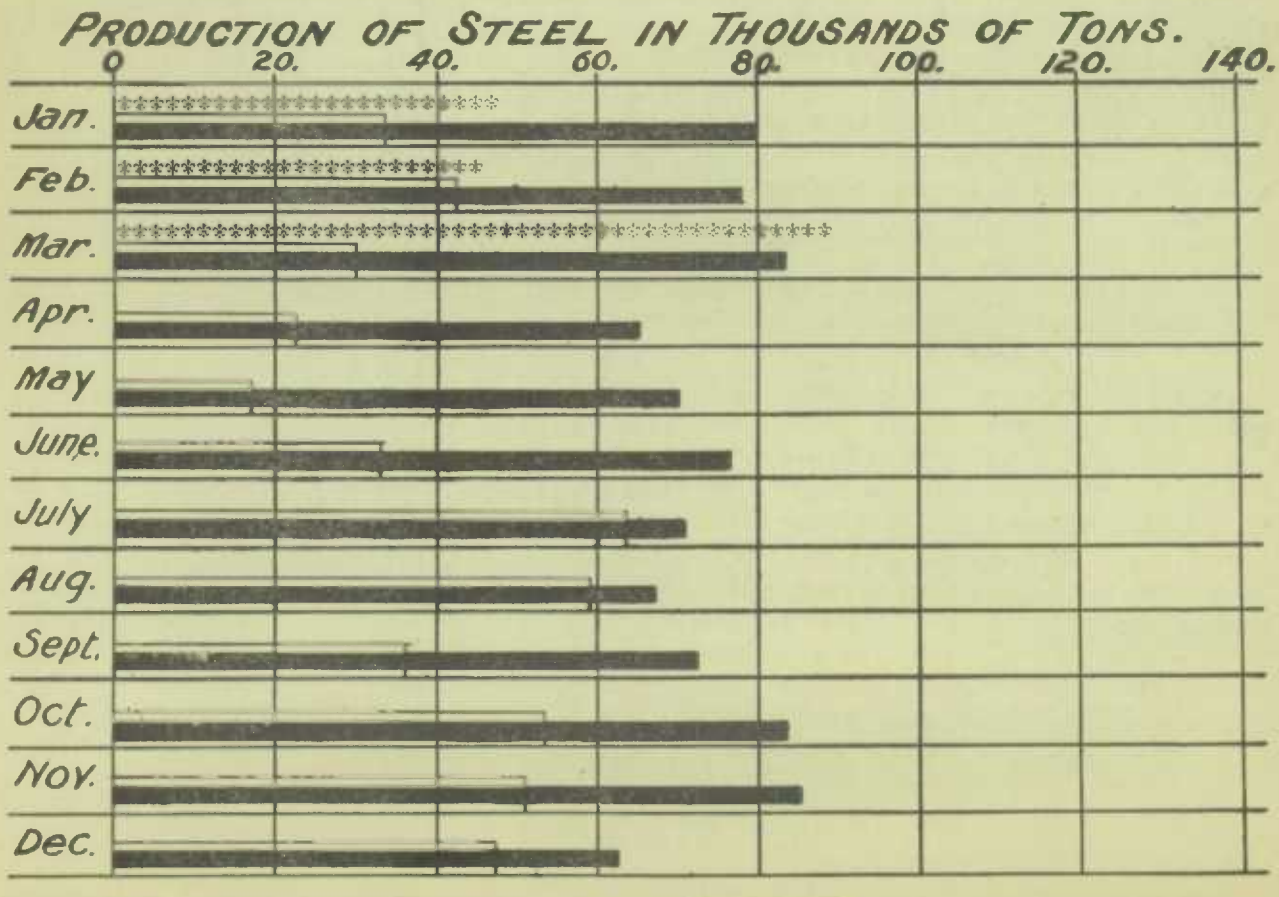
IN CANADA BY MONTHS

From 1919 to Date

(In 1000's of Long Tons)

MONTH	1919		1920		1921		1922		1923	
	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel
January	93	107	73	92	41	40	32	33	41	48
February	78	90	64	84	58	59	34	42	44	46
March	82	100	69	97	60	53	42	30	65	89
April	83	75	77	93	39	27	33	22		
May	74	69	87	90	56	52	23	17		
June	59	68	80	91	55	64	29	33		
July	54	66	84	94	54	54	32	63		
August	60	54	93	105	50	72	27	59		
September	51	60	94	99	44	56	25	36		
October	50	66	105	111	50	72	37	53		
November	65	82	94	97	48	75	34	51		
December	70	87	54	56	40	43	36	47		
TOTAL	819	924	974	1109	595	667	384	486	150	183
MONTHLY AVERAGE	68	77	81	92	50	56	32	40	50	61


PRODUCTION OF PIG IRON IN THOUSANDS OF TONS.
0
20.
40.
60.
80.
100.
120.
140.
Jan.
Feb.
Mar.
Apr.
May
June
July
Aug.
Sept.
Oct.
Nov.
Dec.


PRODUCTION OF STEEL IN THOUSANDS OF TONS.
0
20.
40.
60.
80.
100.
120.
140.
Jan.
Feb.
Mar.
Apr.
May
June.
July
Aug.
Sept.
Oct.
Nov.
Dec.
= 1923
= 1922
= AVERAGE 1919 TO 1921

STEEL INGOTS AND CASTINGS

The increase in the output of pig iron was reflected in a greater production of steel ingots and castings in Canada during March when 89,088 long tons was produced, representing an advance of 91.4% over the 46,537 tons made in the previous month. The output exceeded the average monthly production of the three previous years by 41.4%. The cumulative production during the first quarter was 183,586 tons as compared with 105,340 tons during the same period of the preceding year.

The ingot production in March consisted of 85,393 tons the whole of which was open-hearth basic steel intended for the further use of the producing firms. This tonnage represented an increase of 97.5% over the output of 43,234 tons of the same grade made in the previous month. The production of steel castings also increased slightly from 3,303 tons in February to 3,695 tons. The principal grade in both months was the open-hearth basic steel of which the greater portion was intended for sale.

The production of iron and steel in March was greater than in any previous month since November, 1920 and indicated substantial increases in all important departments. In the United States, the March output of pig iron broke all previous records with a total more than 3,500,000 tons, and the demand for steel was reported as being well sustained.

Table 3(a) shows the production of steel ingots and castings in Canada during the month just closed and the month immediately preceding. For comparison Table 3(b) shows the total production by grades, of steel ingots and castings during the three months ending March 1923.

Table 3 (a)

PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA
FOR THE CURRENT AND PRECEDING MONTH
(Tons of 2240 lbs.)

	FEBRUARY 1923			MARCH 1923		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	43,234	.....	43,234	85,393	.....	85,393
Acid	.....	.....	.....	.....	.....	.....
Bessemer	.....	.....	.....	.....	.....	.....
Electric	.....	.....	.....	.....	.....	.....
TOTAL STEEL INGOTS	43,234	.....	43,234	85,393	.....	85,393
STEEL CASTINGS:						
Open Hearth-Basic	84	2,090	2,174	149	2,301	2,450
Acid	.....	247	247	.....	331	331
Bessemer	7	285	292	5	237	242
Electric	.....	590	590	1	671	672
TOTAL DIRECT STEEL CASTINGS	91	3,212	3,303	155	3,540	3,695
GRAND TOTAL	43,325	3,212	46,537	85,548	3,540	89,088

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the THREE MONTHS ending MARCH, 1923.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	173,443	.....	173,443
Acid	.....	.....	.....
Bessemer	.....	.....	.....
Electric	.....	.....	.....
TOTAL STEEL INGOTS	173,443	.....	173,443
STEEL CASTINGS:			
Open Hearth-Basic	338	5,807	6,145
Acid	.....	578	578
Bessemer	18	1,198	1,216
Electric	7	2,197	2,204
TOTAL DIRECT STEEL CASTINGS	363	9,780	10,143
GRAND TOTAL	173,806	9,780	183,586