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DOMINION BUREAU OF STATISTICS

Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

FEBRUARY, 1923

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PRODUCTION OF IRON AND STEEL IN CANADA

February, 1923

PIG IRON AND FERRO-ALLOYS

The production of pig iron in Canada showed a further advance in February to a total of 44,250 tons as compared with 40,739 tons in the preceding month, an increase of 3,511 tons or 8.6%. The record for February of this year was higher than for the same month last year by 10,678 tons or 31.8%. The cumulative production for January and February of this year was also greater than the comparative figures of a year ago by 19,233 tons or 29.2%. According to grades the February output included 25,421 tons basic iron; 13,129 tons of foundry iron, and 5,700 tons of malleable iron. The greater portion of the basic pig iron made, namely, 24,782 tons, as well as 2,551 tons of foundry iron, was made for use by the firms reporting, and the remainder comprising 16,917 tons, was made for sale.

During the month an additional furnace at Sault Ste. Marie was put in operation and of the seven units in blast at the end of the month three were at Sydney, two at Hamilton and two at Sault Ste. Marie.

The production of ferro-alloys declined slightly to 1,977 tons, a decrease of 116 tons or 5.5%. Production in the preceding month amounted to 2,093 tons.

In the United States a new February record was made by the blast furnaces, the daily rate of production during the month being 106,935 tons. The previous February record was established in 1916 with a production of 106,456 tons. The February record was also the largest for any month since March, 1920. The total production of anthracite and coke pig iron for the twenty-eight days in February amounted to 2,994,187 tons, according to a statement given in the "Iron Age."

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 two months ending February 1922.

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

Table 1 (a) - FEBRUARY - 1923.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
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 (b) - JANUARY - 1923.

PIG IRON:					
Basic.....	23,786	- - -	- -	- -	23,786
Foundry.....	4,169	9,361	- -	- -	13,530
Malleable.....	- - -	3,423	- -	- -	3,423
All other.....	- - -	- - -	- -	- -	- -
TOTAL PIG IRON.....	27,955	12,784	- -	- -	40,739
TOTAL FERRO-ALLOYS.....	- - -	- - -	- -	2,093	2,093

Table 1 (c) - TOTAL for the TWO months ending FEBRUARY, 1923.

PIG IRON:					
Basic.....	48,568	639	- -	- -	49,207
Foundry.....	6,720	19,939	- -	- -	26,659
Malleable.....	- - -	9,123	- -	- -	9,123
All other.....	- - -	- - -	- -	- -	- -
TOTAL PIG IRON.....	55,288	29,701	- -	- -	84,989
TOTAL FERRO-ALLOYS.....	- - -	- - -	- -	4,070	4,070

No. of blast furnaces:

	First of Month	End of Month
ACTIVE.....	6.....	7.....
IDLE.....	14.....	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.

TOTAL
TOTAL

Table 2 (A), AVERAGE MONTHLY PRODUCTION OF
 PIG IRON, STEEL INGOTS AND CASTINGS
 IN CANADA, 1909 - 1918.
 In 1000's of Long Tons

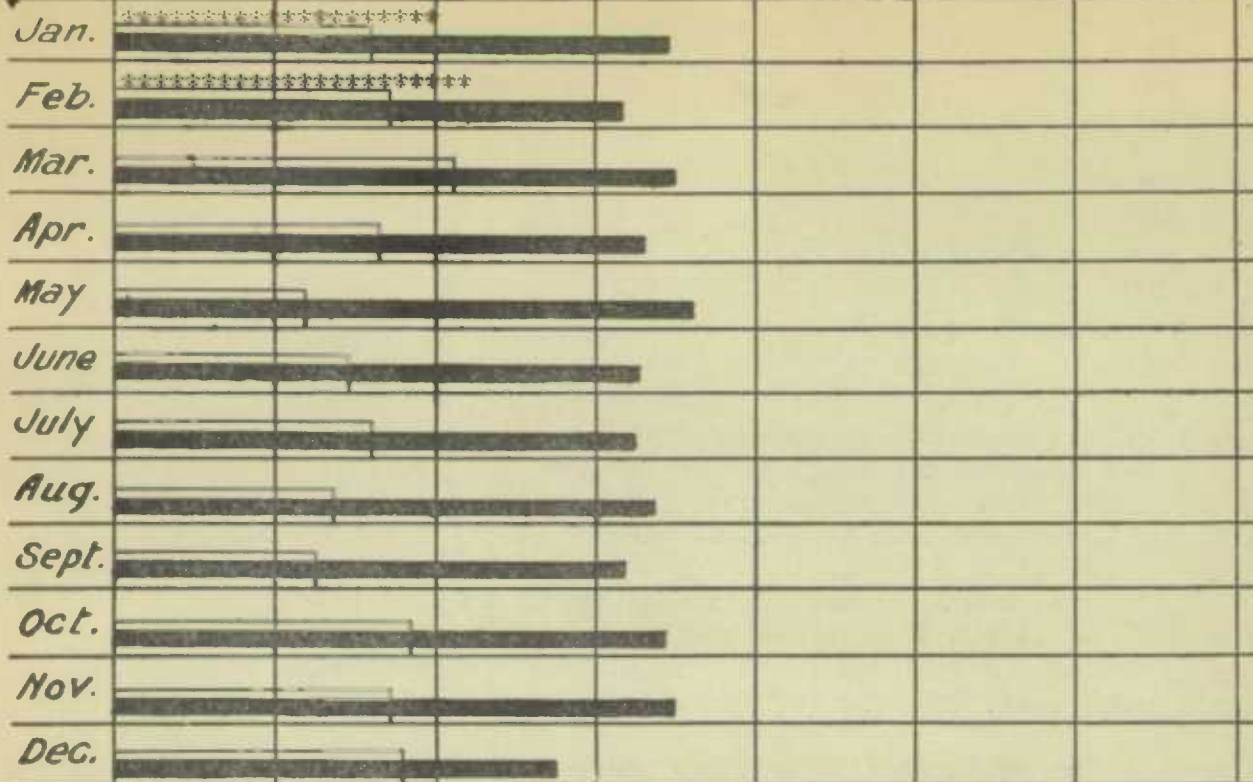
YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1909	56	56	1914	58	62
1910	60	61	1915	68	76
1911	68	66	1916	87	106
1912	75	71	1917	87	130
1913	84	87	1918	89	140

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		
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	85	94
MONTHLY AVERAGE	68	77	81	92	50	56	32	40	42	47

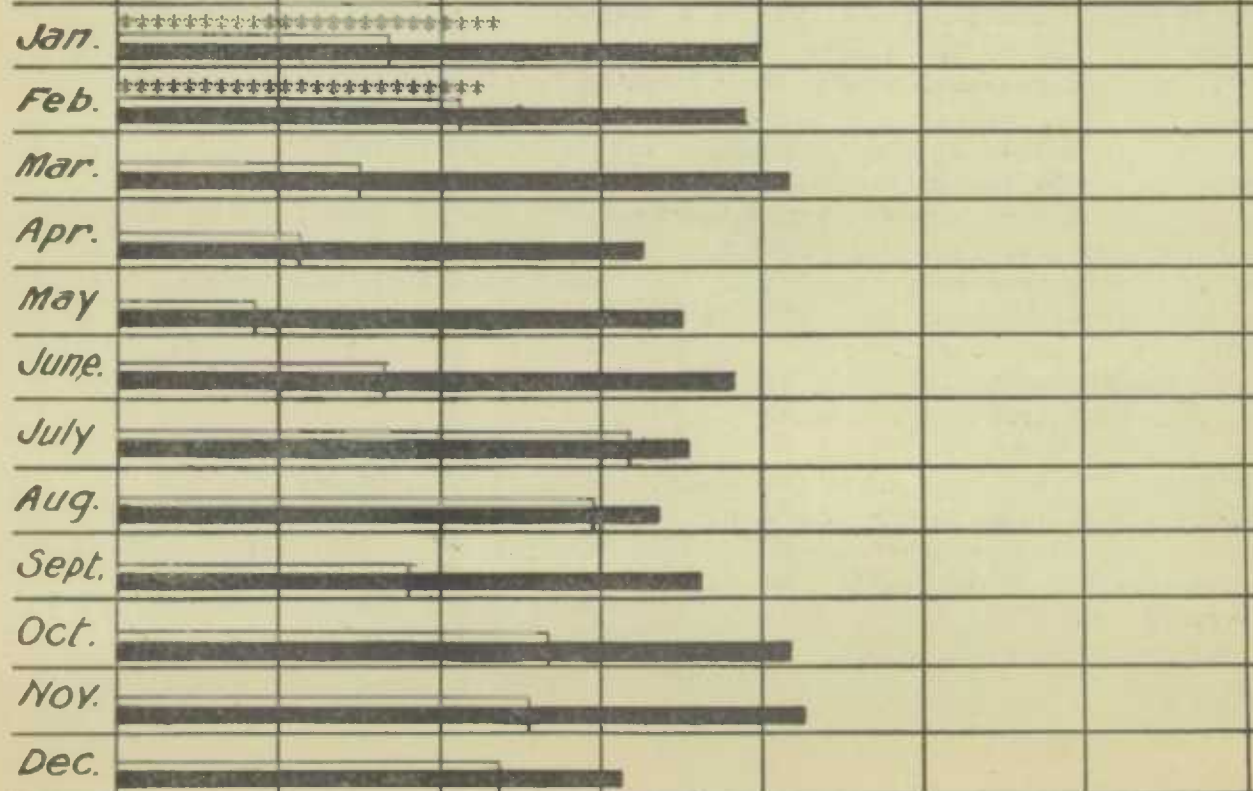
PRODUCTION OF PIG IRON IN THOUSANDS OF TONS.

0 20. 40. 60. 80. 100. 120. 140.



PRODUCTION OF STEEL IN THOUSANDS OF TONS.

0 20. 40. 60. 80. 100. 120. 140.



***** = 1923 () = 1922 ■ = AVERAGE 1919 TO 1921

STEEL INGOTS AND CASTINGS

The output of steel ingots and castings in February exceeded the production of the corresponding month of last year by 4,149 long tons or 9.8 % and amounted to 46,537 as compared with 42,388 tons in February of last year. The production in February was 1,424 tons lower than in January when 47,961 tons was produced.

The output of ingots receded to 43,234 tons from a production of 44,816 tons in the preceding month, a decline of 1582 tons or 3.5 %. In both months the output consisted entirely of open hearth basic steel intended for further use by the producing firms.

The production of castings increased slightly from 3,145 tons in January to 3,303 tons in the month under review. The output in February of last year was 1,449 tons or 1854 tons less than the figure for the corresponding month this year. The portion of the February output designed for sale was 3212 tons and 91 tons was made for further use by the makers. Open hearth basic castings amounted to 2174 tons and bessemer converters accounted for 292 tons.

Prices of pig iron semi-finish and finished steel products on the recognized steel markets showed an appreciable advance during February. From Pittsburgh advices were to the effect that pig iron had advanced from 50¢ to \$2.00 a ton on the different grades. Buffalo quotations were also higher. It was stated that much of the current demand seemed to be of a speculative character so that the manufacturers already committed to a heavy production were inclined to safeguard themselves by declining tonnages which, in their opinion, did not represent legitimate requirements.

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 two months ending February 1923.

Table 3 (a)

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

	JANUARY 1923			FEBRUARY 1923		
	Own Use	For Sale	Total	Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	44,816		44,816	43,234		43,234
Acid						
Bessemer						
Electric						
TOTAL STEEL INGOTS	44,816		44,816	43,234		43,234
STEEL CASTINGS:						
Open Hearth-Basic	105	1,416	1,521	84	2,090	2,174
Acid					247	247
Bessemer	6	676	682	7	285	292
Electric	6	936	942		590	590
TOTAL DIRECT STEEL CASTINGS	117	3,028	3,145	91	3,212	3,303
GRAND TOTAL	44,933	3,028	47,961	43,325	3,212	46,537

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS
For the TWO MONTHS ending FEBRUARY, 1923.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	88,050		88,050
Acid			
Bessemer			
Electric			
TOTAL STEEL INGOTS	88,050		88,050
STEEL CASTINGS:			
Open Hearth-Basic	189	3,506	3,695
Acid		247	247
Bessemer	13	961	974
Electric	6	1,526	1,532
TOTAL DIRECT STEEL CASTINGS	208	6,240	6,448
GRAND TOTAL	88,258	6,240	94,498

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