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Monthly Report

of the

PRODUCTION OF IRON AND STEEL

IN CANADA

NOVEMBER, 1923

Prepared under the direction of

S. J. COOK,

Chief of the
MINING, METALLURGICAL
AND CHEMICAL BRANCH

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PRODUCTION OF IRON AND STEEL IN CANADA

November - 1923

PIG IRON AND FERRO-ALLOYS

The production of pig iron in Canada during the month of November was 62,202 gross tons or 11,396 tons below the October output of 73,598 tons. The quantity of basic and foundry iron was fairly well maintained, 38,110 tons of basic iron being made for the further use of the producing firms while over 99% of the 15,416 tons of foundry iron produced was made for sale. Malleable iron made for sale amounted to 8,676 tons and marked a decline of 43% from the October production of 15,235 tons.

The cumulative production for the eleven months ending November by grades was 513,774 tons of basic iron, 209,188 tons foundry iron and 97,434 tons of malleable iron or a total output of 820,396 tons all grades. Compared with the same eleven months of other years the 1923 production of all grades showed an increase of 114% over that of 1922 which was 383,057 tons, and 48% over 1921 at 554,437 tons. The average monthly production to date this year was 75,000 tons and during the last five years, this average was only exceeded in 1920 when the average production was about 84,000 tons.

During the month one furnace was banked at Port Colborne, Ont., leaving six furnaces in blast at the end of the month located as follows: three at Sydney, N.S., two at Hamilton, Ont., and one at Sault Ste. Marie, Ont.

Ferro-alloys shaded to 2,824 tons from the 3,013 tons produced in October. The entire output consisted of the grade containing 15% silicon content and was produced as a by-product in the manufacture of artificial abrasives.

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 the eleven months ending November 1923.

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

Table 1 (a) - NOVEMBER - 1923.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL
	For Own Use	For Sale	For Own Use	For Sale	PRODUCTION
PIG IRON:					
Basic	38,110	- - -	- -	- -	38,110
Foundry	40	15,376	- -	- -	15,416
Malleable	- - -	8,676	- -	- -	8,676
All other	- - -	- - -	- -	- -	- -
TOTAL PIG IRON	38,150	24,052	- -	- -	62,202
TOTAL FERRO-ALLOYS	- - -	- - -	- -	2,824	2,824

Table 1 (b) - OCTOBER - 1923.

PIG IRON:					
Basic	40,986	- - -	- -	- -	40,986
Foundry	65	17,312	- -	- -	17,377
Malleable	- - -	15,235	- -	- -	15,235
All other	- - -	- - -	- -	- -	- -
TOTAL PIG IRON	41,051	32,547	- -	- -	73,598
TOTAL FERRO-ALLOYS	- - -	- - -	- -	3,013	3,013

Table 1 (c) - TOTAL for the ELEVEN months ending NOVEMBER, 1923.

PIG IRON:					
Basic	505,096	8,678	- -	- -	513,774
Foundry	963	208,225	- -	- -	209,188
Malleable	609	96,825	- -	- -	97,434
All other	- - -	- - -	- -	- -	- -
TOTAL PIG IRON	506,668	313,728	- -	-	820,396
TOTAL FERRO-ALLOYS	- - -	- - -	- -	26,031	26,031

No. of blast furnaces:

	First of Month	End of Month
ACTIVE	7	6
IDLE	13	14

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

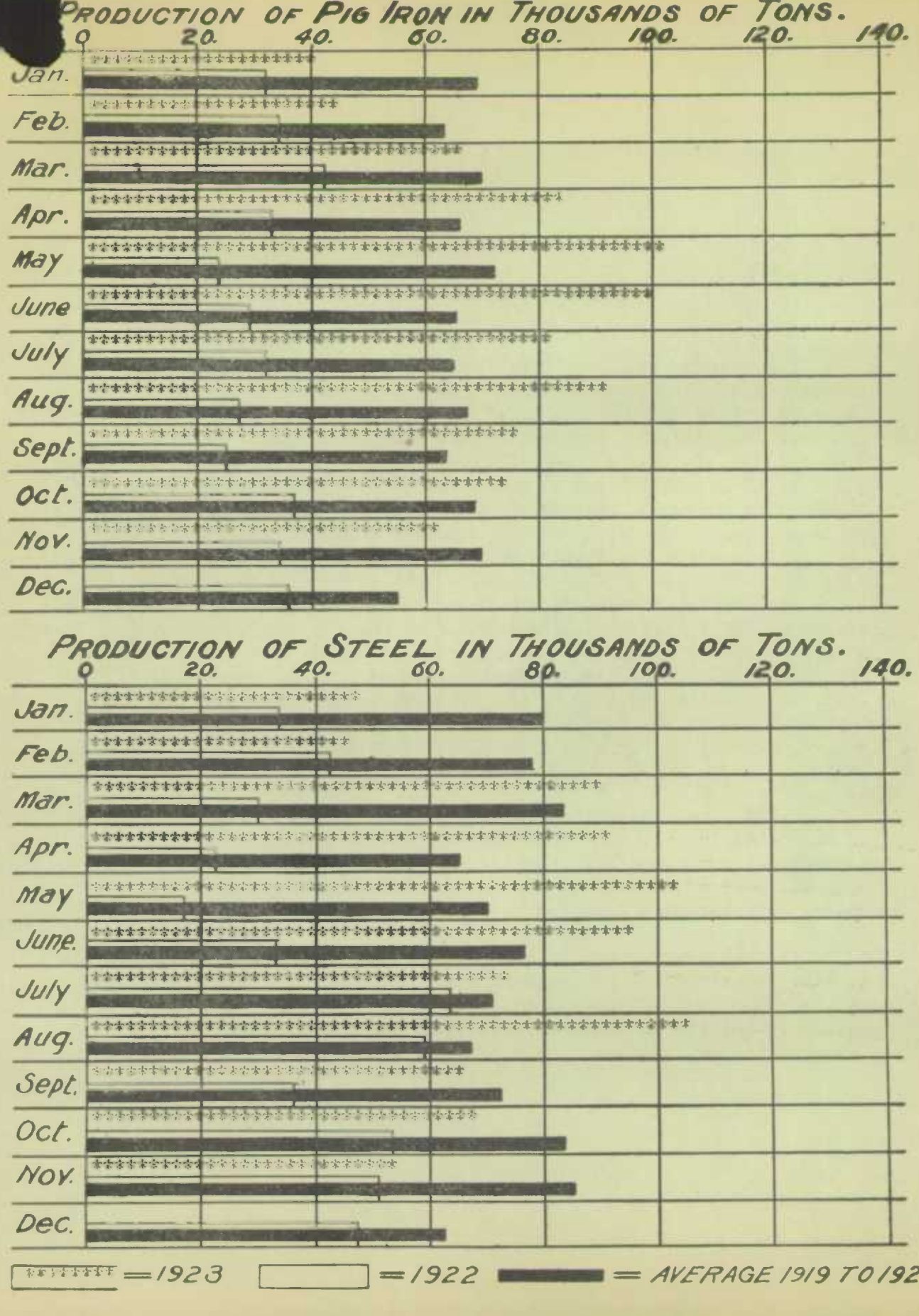
TABLE 2 (2) TOTAL PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS

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	84	93
May	74	69	87	90	56	52	23	17	102	104
June	59	68	80	91	55	64	29	33	99	96
July	54	66	84	94	54	54	32	63	82	74
August	60	54	93	105	50	72	27	59	93	105
September	51	60	94	99	44	56	25	36	75	66
October	50	56	105	111	50	72	37	53	74	67
November	65	82	94	97	48	75	34	51	62	55
December	70	87	54	56	40	43	36	47		
TOTAL	819	924	974	1109	595	667	384	486	821	843
MONTHLY AVERAGE	68	77	81	92	50	56	32	40	75	77


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 lowered output of pig iron was reflected in a decreased production of steel ingots and castings the output for the month being 54,674 gross tons a drop of 12,822 tons from the 67,496 tons produced in October. The decline was mostly in steel ingots produced for the further use of the reporting firms and in the quantity of steel castings produced for sale. Steel ingots at 51,426 tons showed a decline of 18%, from the October production of 62,870 tons and steel castings dropped to 3,248 tons, a decline of 30%, from the 4,626 tons produced in the preceding month.

The cumulative production of ingots and castings for the eleven months period ending November 1923 was 843,522 tons. This output was 48% greater than during the corresponding period in 1922 and was 26% above the total tonnage produced in the same months of 1921. The cumulative outputs for these periods were: 1922 - 438,988 tons; 1921 - 624,831 tons. The average monthly production this year was 77,000 tons as compared with a monthly average for the five year period 1919 to date of about 69,000 tons.

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 eleven months ending November 1923.

The bar chart shown on the preceding page enables the reader to make quick comparisons between the three-year average production in any month of pig iron and of steel ingots and castings with the actual output in the same month of 1922 and 1923.

Table 3 (a)

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

	OCTOBER 1923			NOVEMBER 1923		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	62,870	.....	62,870	51,426	.....	51,426
Acid	.....	.....	.....	.....	.....	.....
Bessemer	.....	.....	.....	.....	.....	.....
Electric	.....	.....	.....	.....	.....	.....
TOTAL STEEL INGOTS	62,870	.....	62,870	51,426	.....	51,426
STEEL CASTINGS:						
Open Hearth-Basic	398	2,328	2,726	330	1,622	1,952
Acid	.....	653	653	.....	399	399
Bessemer	10	403	413	17	283	300
Electric	11	823	834	15	582	597
TOTAL DIRECT STEEL CASTINGS	419	4,207	4,626	362	2,886	3,248
GRAND TOTAL	63,289	4,207	67,496	51,788	2,886	54,674

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the ELEVEN MONTHS ending NOVEMBER, 1923.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	800,696	.....	800,696
Acid	.....	.....	.....
Bessemer	.....	.....	.....
Electric	.....	.....	.....
TOTAL STEEL INGOTS	800,696	.....	800,696
STEEL CASTINGS:			
Open Hearth-Basic	2,589	24,365	26,954
Acid	.....	4,129	4,129
Bessemer	108	3,762	3,870
Electric	114	7,759	7,873
TOTAL DIRECT STEEL CASTINGS	2,811	40,015	42,826
GRAND TOTAL	803,507	40,015	843,522