

41 003

CANADA

DOMINION BUREAU OF STATISTICS

Vol. 3

R. H. COATS,
Dominion Statistician

No. 4

Historical File Copy

PROPERTY OF THE LIBRARY

Rec'd MAY 21 1923

DOMINION BUREAU OF STATISTICS

Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

APRIL, 1923

Prepared under the direction of

S. J. COOK,

Chief of the
MINING, METALLURGICAL
AND CHEMICAL BRANCH

Published by Authority of the Hon. J. A. Rebb, M. P.,
Minister of Trade and Commerce.

Ottawa
1923

- 2 -

PRODUCTION OF IRON AND STEEL
IN CANADA

April, 1923

PIG IRON AND FERRO-ALLOYS

The output of pig iron during April amounting to 83,877 tons was in advance of all monthly records since November 1920 when 93,525 tons was produced. The April production was 28.5% greater than the output of March, reported as 65,297 tons. The advance over the corresponding month of last year was 51,305 tons or 157.5%.

The output in April, also exceeded by 26.1% the average for the corresponding month during the three-year period from 1919 to 1921, computed as 66,530 tons. The cumulative production for the first four months of the present year was 67.2% greater than for the corresponding period of 1922 and 18.1% greater than the comparative amount for 1921. The quantities were 234,163 tons in the four months ending April, 1923, 140,061 tons during the same months of 1922 and 198,303 tons in the corresponding period of 1921. The cumulative output of the present year to date, however, was less than the comparative figure for 1920 given as 282,978 tons.

Compared with the data for the previous month the record in April showed that the output for the use of reporting firms declined slightly, while the requirements for sale increased from 8,833 tons to 30,899 tons. The basic and malleable grades made for sale increased somewhat but the greatest advance was effected in foundry iron which increased from 4,603 tons in March to 22,839 tons in the month under review. The production of ferro-alloys also increased slightly from 2,213 tons in March to 2,258 tons in April.

One additional furnace was blown in at Sault Ste. Marie and one at Port Colborne resulting in a total of nine furnaces in blast. These included three furnaces at Sydney, two at Hamilton, one at Port Colborne, and three at Sault Ste. Marie.

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 four months ending April 1923.

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

Table 1 (a) - APRIL - 1923.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic.....	52,792	1,962	--	--	54,754
Foundry.....	116	22,839	--	--	22,955
Malleable.....	70	6,098	--	--	6,168
All other.....	--	--	--	--	--
TOTAL PIG IRON.....	52,978	30,899	--	--	83,877
TOTAL FERRO-ALLOYS	--	--	--	2,258	2,258

Table 1 (b) - MARCH - 1923.

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 (c) - TOTAL for the FOUR months ending APRIL, 1923.

PIG IRON:					
Basic.....	154,693	4,276	--	--	158,969
Foundry.....	9,967	47,381	--	--	57,348
Malleable.....	70	17,776	--	--	17,846
All other.....	--	--	--	--	--
TOTAL PIG IRON.....	164,730	69,433	--	--	234,163
TOTAL FERRO-ALLOYS	--	--	--	8,541	8,541

No. of blast furnaces:

	First of Month	End of Month
ACTIVE.....	7.....	9
IDLE.....	13.....	11

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		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

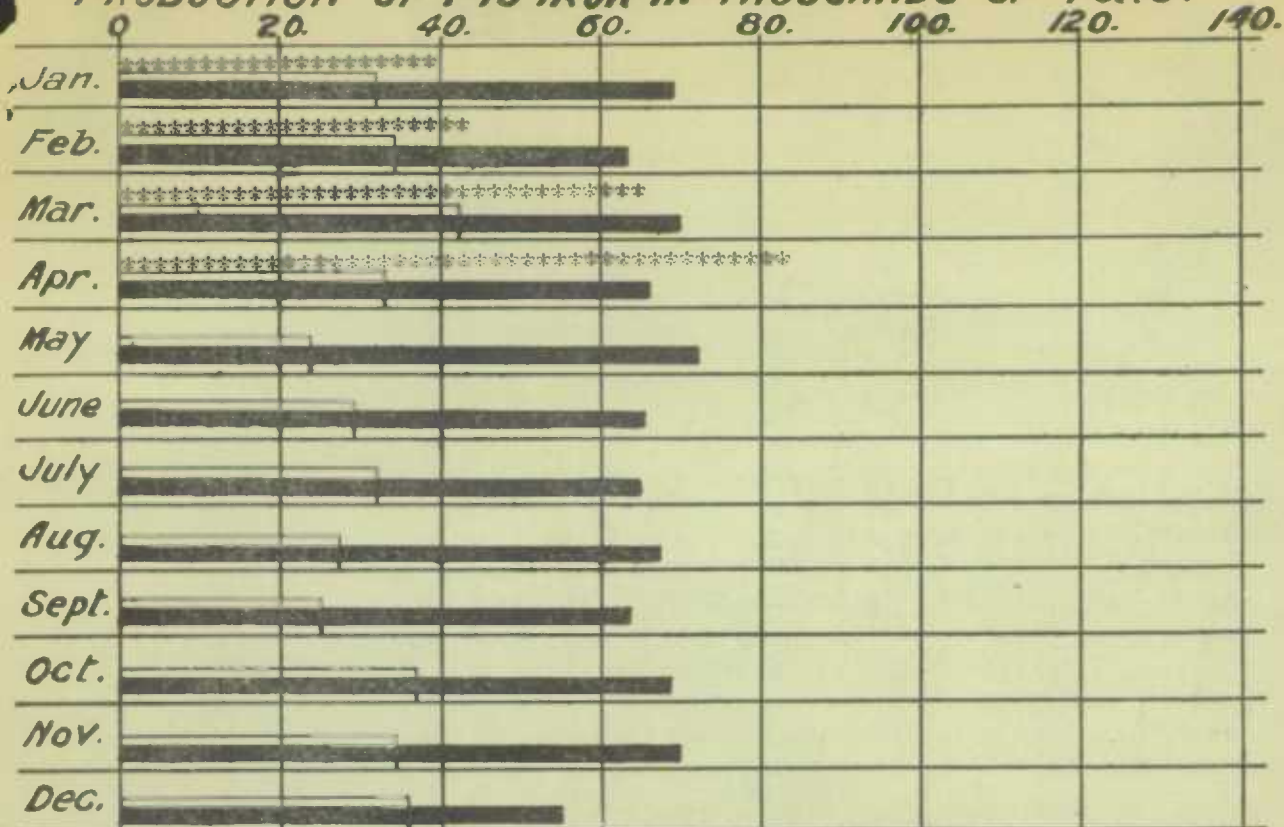
IN CANADA BY MONTHS

From 1919 to Date

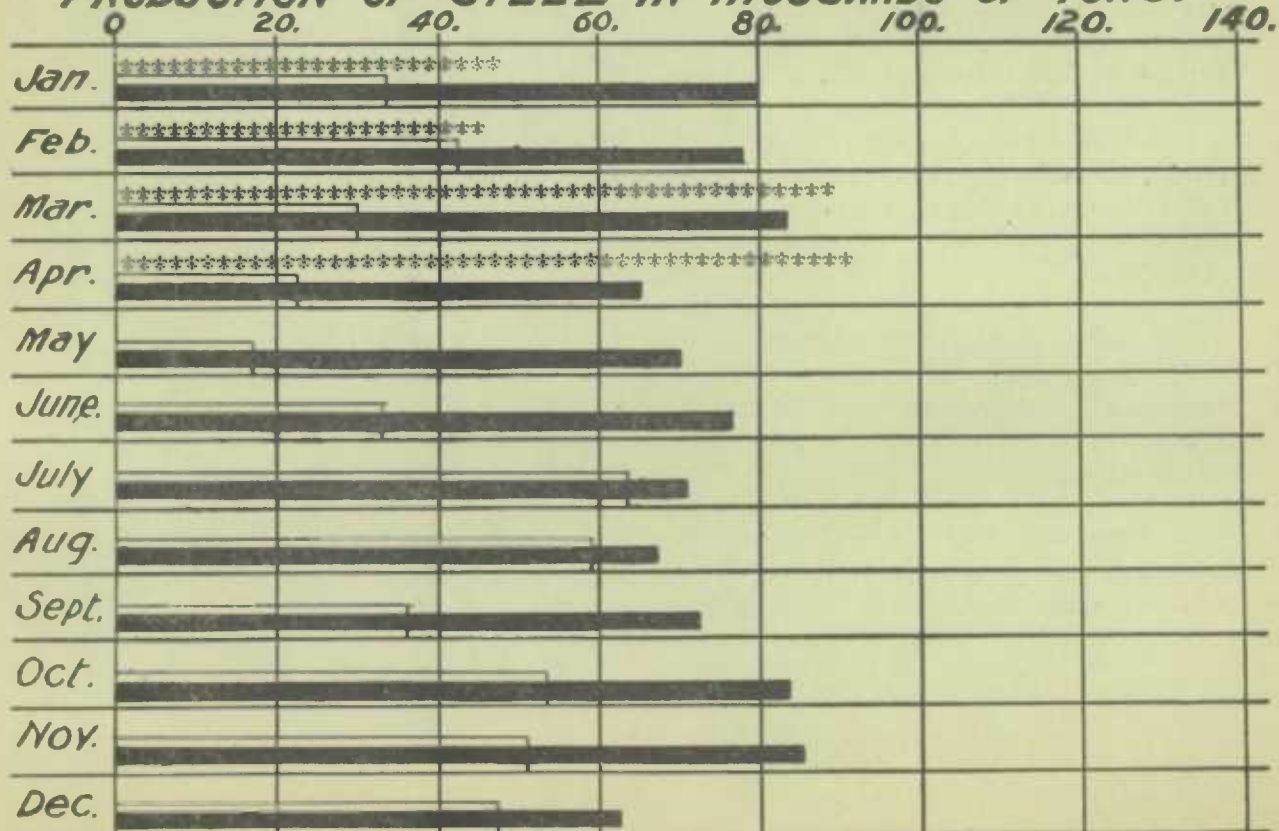
(In 1000's of Long Tons)

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	56	59	34	42	44	46
March	82	100	39	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		
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	234	276
MONTHLY AVERAGE	68	77	81	92	50	56	32	40	58	69

PRODUCTION OF PIG IRON IN THOUSANDS OF TONS.



PRODUCTION OF STEEL IN THOUSANDS OF TONS.



***** = 1923 □ = 1922 ■ = AVERAGE 1919 TO 1921

STEEL INGOTS AND CASTINGS

The production of steel ingots and castings made a further advance in April above the high level of the previous month, and reached a total of 92,598 tons in the month under review, representing an increase of 3,510 tons or 3.9%. The output in April of last year was 21,935 tons while in April, 1920, the production was 92,480 tons. It is also noteworthy that the April output this year was greater than in any month since November, 1920, when the production was 97,120 tons. The monthly average for April during the period from 1919 to 1921 was about 65,000 tons.

The cumulative production for the first four months of the present year was 276,184 tons as compared with an output of 176,036 tons in the first four months of 1922 and 127,275 tons in the corresponding period of 1921. The cumulative output during the first four months of 1920 was 365,678 tons.

The output of steel ingots for further use of the reporting plants increased from 85,393 tons in March to 88,649 tons in April. Direct steel castings increased to 3,949 tons, the highest monthly record for the last two years. The production in March last was 3,695 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 four months ending April 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.)

	MARCH 1923			APRIL 1923		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	85,393	.....	85,393	88,649	.....	88,649
Acid	.....	.....	.....	.....	.....	.....
Bessemer	.....	.....	.....	.....	.....	.....
Electric	.....	.....	.....	.....	.....	.....
TOTAL STEEL INGOTS	85,393	.....	85,393	88,649	.....	88,649
STEEL CASTINGS:						
Open Hearth-Basic	149	2,301	2,450	240	2,440	2,680
Acid	.....	331	331	.....	450	450
Bessemer	5	237	242	11	228	239
Electric	1	671	672	5	575	580
TOTAL DIRECT STEEL CASTINGS	155	3,540	3,695	256	3,693	3,949
GRAND TOTAL	85,548	3,540	89,088	88,905	3,693	92,598

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the FOUR MONTHS ending APRIL, 1923.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	262,092	.....	262,092
Acid	.....	.....	.....
Bessemer	.....	.....	.....
Electric	.....	.....	.....
TOTAL STEEL INGOTS	262,092	.....	262,092
STEEL CASTINGS:			
Open Hearth-Basic	578	8,247	8,825
Acid	.....	1,028	1,028
Bessemer	29	1,426	1,455
Electric	12	2,772	2,784
TOTAL DIRECT STEEL CASTINGS	619	13,473	14,092
GRAND TOTAL	262,711	13,473	276,184

STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010636075