CANADA

DOMINION BUREAU OF STATISTICS

VOL. 3 R. H. COATS, No. 6
Dominion Statistician

Monthly Report

of the

PRODUCTION OF IRON AND STEEL

IN CANADA

JUNE, 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. Robb, M. P.,
Minister of Trade and Commerce.

Ottawa
1923

PRODUCTION OF IRON AND STEEL IN CANADA

June, 1923

PIG IRON AND FERRO-ALLOYS

The production of pig iron in Canada during June declined slightly from the high record of the previous month. The output was 99,239 gross tons as compared with a record of 101,533 tons in May. The production in June, 1922 was 28,763 tons only, and in the corresponding month of 1921 the output was 54,812 tons. The output in June was greater than the monthly average of 1918 when the highest annual record of recent years was established. Analyzing the outputs during May and June according to grades, it may be noted that foundry iron produced for sale increased from 23,242 tons to 28,144 tons while the basic iron intended for further use of the producing firms declined from 61,714 tons to 55,565 tons.

Seven furnaces were in operation at the end of the month, three at Sydney having been banked. The furnaces in blast on June 30th were; two at Hamilton, one at Port Colborne and four at Sault Ste. Marie.

The production of ferro-alloys declined slightly from 2,287 tons to 2,185 tons in June. The whole quantity in either case was ferro-silicon produced in electric furnaces for sale.

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 six months ending June 1923.

SPECIAL NOTE- Attention is drawn to a revision in the cumulative production of foundry iron. During the first four months of the year one of the producing firms reported their output for own use whereas it was intended for sale. The necessary adjustment has been effected in Table 1 (c), page 3.

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

Table 1 (a) - JUNE - 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	55,565	1,045	- -	- -	56,610
Foundry	92	28,144	- -	- -	28,236
Malleable	- - -	14,393	- -	- -	14,393
All other	- - -	- - -	- -	- -	- -
TOTAL PIG IRON	55,657	43,582	- -	- -	99,239
TOTAL FERRO-ALLOYS	- - -	- - -	- -	2,185	2,185

Table 1 (b) - MAY - 1923.

PIG IRON:					
Basic	61,714	803	- -	- -	62,517
Foundry	118	23,242	- -	- -	23,360
Malleable	- - -	15,656	- -	- -	15,656
All other	- - -	- - -	- -	- -	- -
TOTAL PIG IRON	61,832	39,701	- -	- -	101,533
TOTAL FERRO-ALLOYS	- - -	- - -	- -	2,287	2,287

Table 1 (c) - TOTAL for the SIX months ending JUNE, 1923.

PIG IRON:					
Basic	271,972	6,124	- -	- -	278,096
Foundry	569	108,586	- -	- -	109,155
Malleable	70	47,825	- -	- -	47,895
All other	- - -	- - -	- -	- -	- -
TOTAL PIG IRON	272,611	162,535	- -	- -	435,146
TOTAL FERRO-ALLOYS	- - -	- - -	- -	13,013	13,013

No. of blast furnaces:

	First of Month	End of Month
ACTIVE	10	7
IDLE	10	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

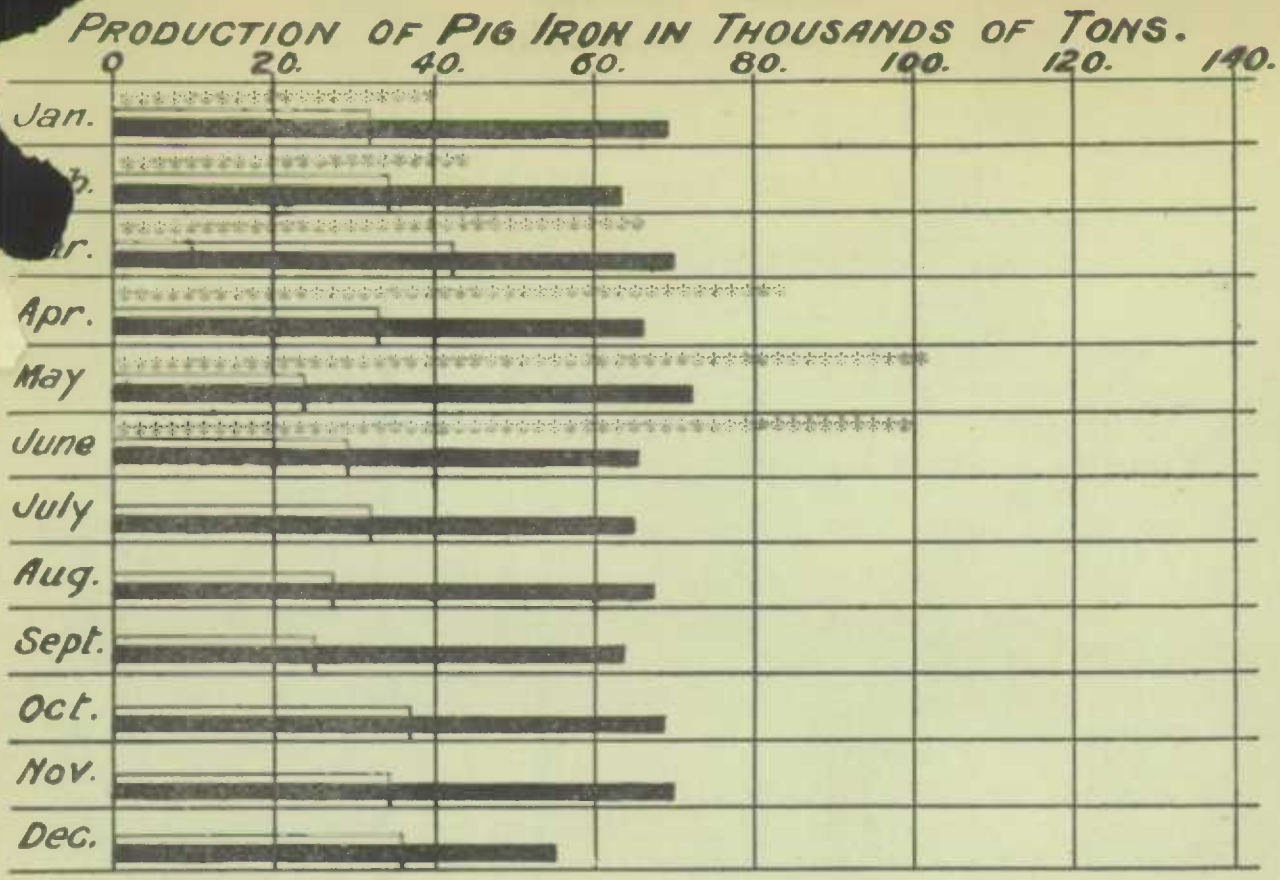
TABLE 2 (B) TOTAL PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS

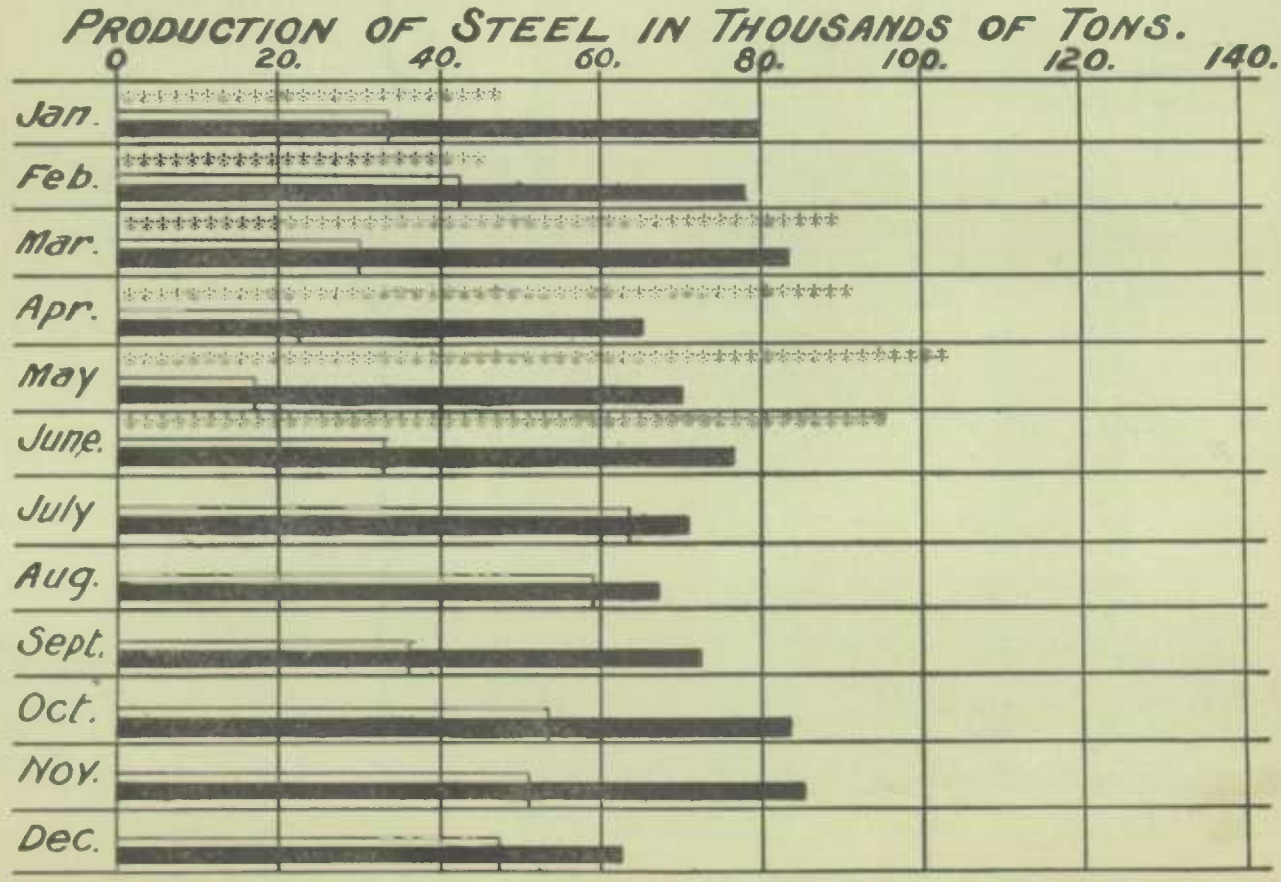
IN CANADA BY MONTHS

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	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		
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	435	476
MONTHLY AVERAGE	68	77	81	92	50	56	32	40	72	79





= 1923 = 1922 = AVERAGE 1919 TO 1921

STEEL INGOTS AND CASTINGS

The production of steel declined to 96,167 tons in June from the record of 104,079 tons for May. The output, however, was in excess of the April production given as 92.598 tons and was also greater than the output in March of 80,688 tons. The production during the first two months of the year did not exceed 50,000 tons in either month. The output during June of last year was about one-third of that for the month under review.

The cumulative production for the half-year ending June 30th was 476,430 tons as compared with an output of 177,080 tons in the corresponding period of 1922, and a production during the first six months of 1921 of 295,140 tons. Open-hearth basic ingots produced in the first six months of 1923 amounted to 453,726 tons as contrasted with 167,622 tons, the cumulative production for the same period in 1922. The direct steel castings increased from 9,321 tons to 22,704 tons in the six months period ending June 30th. Considerable expansion was recorded in the production of open-hearth basic castings, while electric castings declined slightly. No acid open-hearth castings castings were produced in the first half of 1922, while 1,855 tons was reported for the corresponding period this year.

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 six months ending June 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.)

	MAY 1923			JUNE 1923		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	99,691	.....	99,691	91,943	.....	91,943
Acid	.....	.....	.....	.....	.....	.....
Bessemer	.....	.....	.....	.....	.....	.....
Electric	.....	.....	.....	.....	.....	.....
TOTAL STEEL INGOTS	99,691	.....	99,691	91,943	.....	91,943
STEEL CASTINGS:						
Open Hearth-Basic	227	2,699	2,926	270	2,380	2,650
Acid	.....	285	285	.....	542	542
Bessemer	17	369	386	11	343	354
Electric	8	783	791	9	669	678
TOTAL DIRECT STEEL CASTINGS	252	4,136	4,388	290	3,934	4,224
GRAND TOTAL	99,943	4,136	104,079	92,233	3,934	96,167

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the SIX MONTHS ending JUNE, 1923.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	453,726	.....	453,726
Acid	.....	.....	.....
Bessemer	.....	.....	.....
Electric	.....	.....	.....
TOTAL STEEL INGOTS	453,726	.....	453,726
STEEL CASTINGS:			
Open Hearth-Basic	1,075	13,326	14,401
Acid	.....	1,855	1,855
Bessemer	57	2,138	2,195
Electric	29	4,224	4,253
TOTAL DIRECT STEEL CASTINGS	1,161	21,543	22,704
GRAND TOTAL	454,887	21,543	476,430