

41 003

CANADA

LIBRARY
CENSUS AND STATISTICS OFFICE

DOMINION BUREAU OF STATISTICS

VOL. 2

R. H. COATS,
Dominion Statistician

No. 11

Historical File Copy

Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

NOVEMBER, 1922

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
1922

PRODUCTION OF IRON AND STEEL IN CANADA

November, 1922.

PIG IRON AND FERRO-ALLOYS

The production of pig iron in Canada during November dropped 7 per cent from the record of the previous month and amounted in all to 34,289 long tons as compared with a production of 36,888 tons in October. In spite of the fact that the November production was slightly less than the October output, it was 8.8 per cent higher than the average output during the first ten months of the present year. The average monthly production for the eleven months of the calendar year to date was 51,288 tons while the average for the corresponding period in 1921 was 50,673 tons. Corresponding data covering the cumulative output of pig iron for the same periods showed that 347,166 tons has been produced during the present year as compared with a total production of 554,437 tons in the same period last year. The output this year, therefore, declined 207,271 tons or 37.4 per cent below the 1921 record.

The production of basic iron for their own use by the establishments reporting was almost maintained on a par with the previous month, the production in November amounting to 26,156 tons as compared with the previous month's record of 28,922 tons. The output of foundry iron increased to almost double the October record and reached a total of 8,133 tons. No malleable iron was made in November.

Ferro-silicon was the only ferro-alloy produced during the month and the production was 1,502 tons, a decline of about 300 tons from the record of the preceding month.

Four furnaces were active during November including two at Sydney and one each at Sault Ste. Marie and Hamilton. The number in blast remained the same as in the previous month.

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 eleven months ending November.

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

Table 1 (a) - NOVEMBER - 1922.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic.....	26,156	- - -	- - -	- - -	26,156
Foundry.....	- - -	8,133	- - -	- - -	8,133
Malleable.....	- - -	- - -	- - -	- - -	- -
All other.....	- - -	- - -	- - -	- - -	- -
TOTAL PIG IRON.....	26,156	8,133	- - -	- - -	34,289
TOTAL FERRO-ALLOYS.....	- - -	- - -	- -	1,502	1,502

Table 1 (b) - OCTOBER - 1922.

PIG IRON:					
Basic.....	28,922	- - -	- - -	- - -	28,922
Foundry.....	- - -	4,970	- - -	- - -	4,970
Malleable.....	- - -	2,996	- - -	- - -	2,996
Castings.....	- - -	- - -	- - -	- - -	- -
TOTAL PIG IRON.....	28,922	7,966	- - -	- - -	36,888
TOTAL FERRO-ALLOYS.....	- - -	- - -	- -	1,823	1,823

Table 1 (c) - TOTAL for the ELEVEN months ending NOVEMBER, 1922.

PIG IRON:					
Basic.....	225,169	430	- - -	- - -	225,599
Foundry.....	303	98,197	- - -	- - -	98,500
Malleable.....	- - -	22,963	- - -	- - -	22,963
All other.....	- - -	- - -	- - -	104	104
TOTAL PIG IRON.....	225,472	121,590	- - -	104	347,166
TOTAL FERRO-ALLOYS.....	4,389	342	- - -	13,772	18,503

No. of blast furnaces:

	First of Month	End of Month
ACTIVE.....	4.....	4
IDLE.....	16.....	16

Table 2 (a) shows the average monthly production of pig iron in Canada for the ten-year period from 1907 to 1916, inclusive, and Table 2 (b) shows the actual production by months for the years 1917 to date.

TABLE 2 (A), AVERAGE MONTHLY PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS
IN CANADA, 1907 - 1916.

In 1000's of Long Tons

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1907	48	53	1912	75	71
1908	47	44	1913	84	87
1909	56	56	1914	58	82
1910	60	61	1915	68	76
1911	68	66	1916	87	106

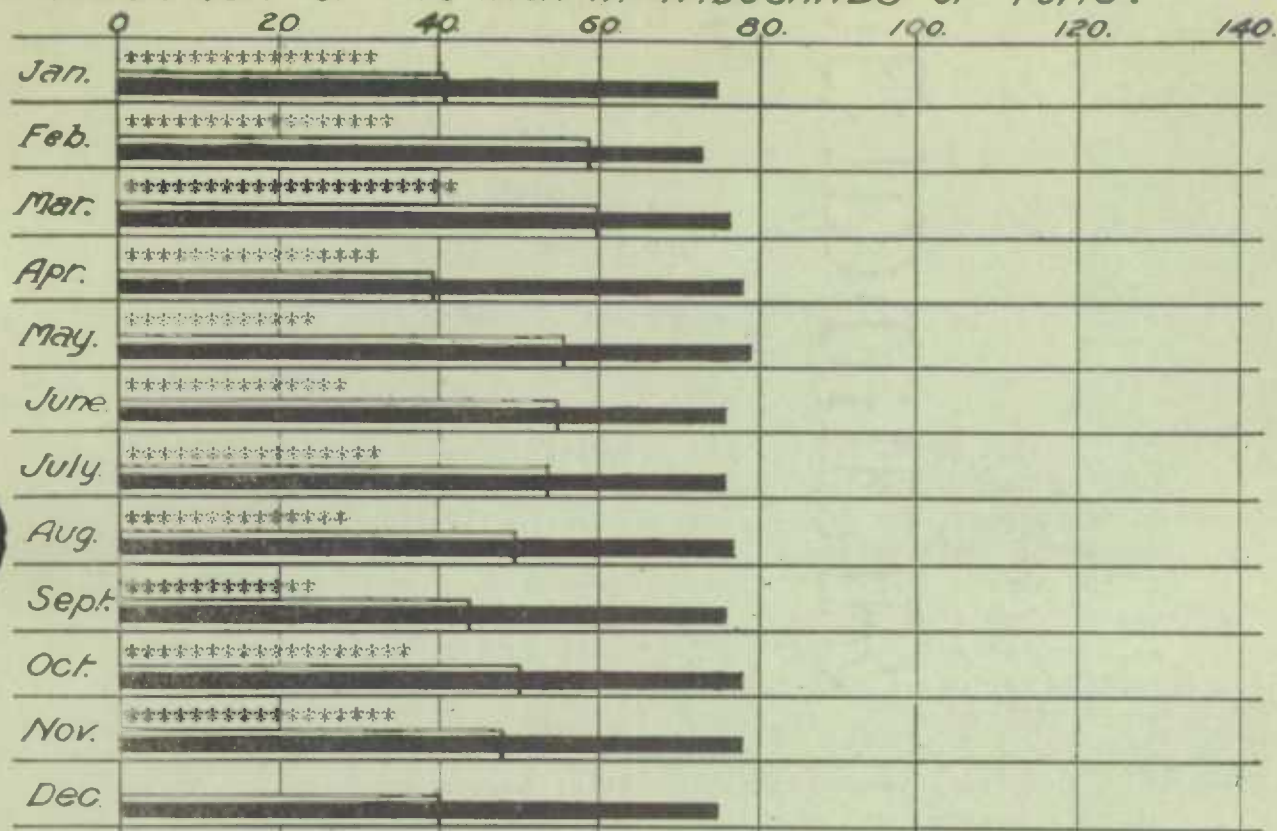
TABLE 2 (B) TOTAL PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS
IN CANADA BY MONTHS

From 1917 to Date

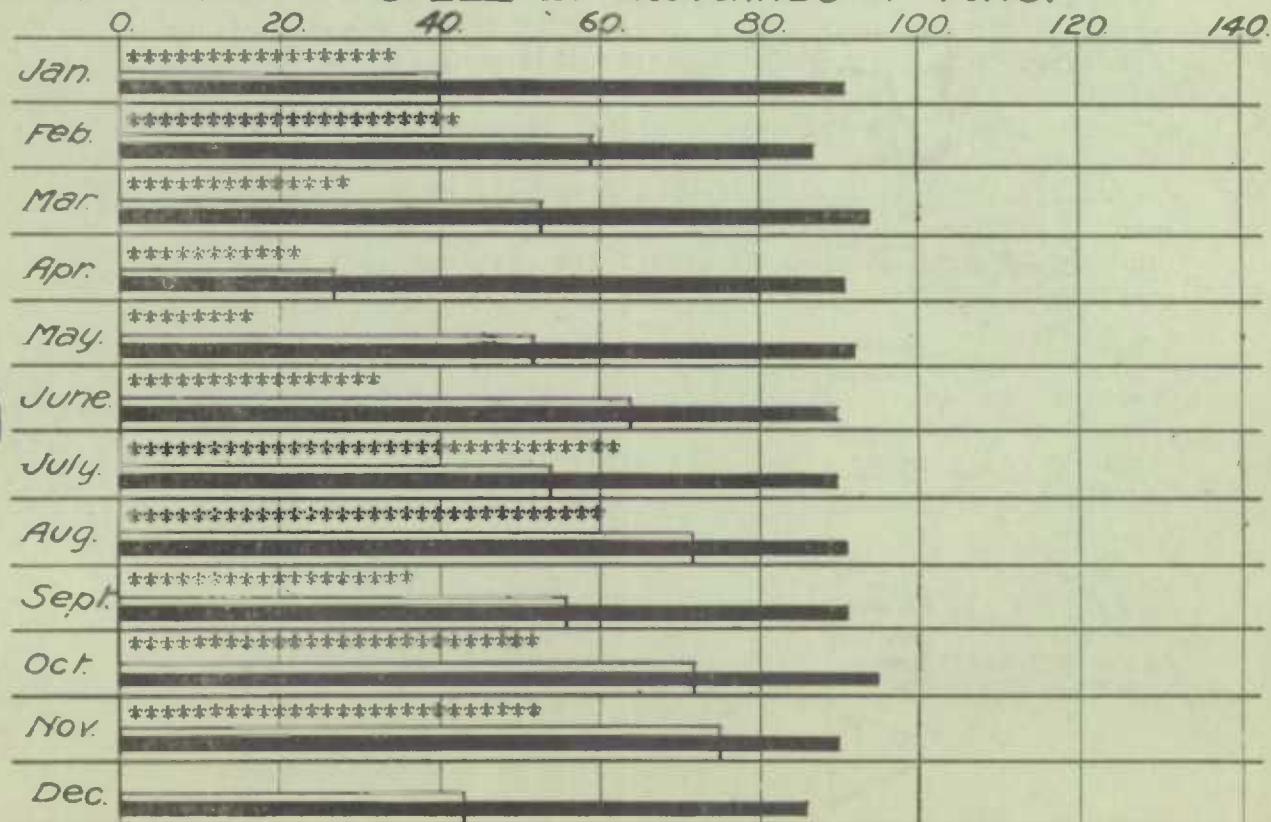
(In 1000's of Long Tons)

MONTH	1917		1918		1919		1920		1921		1922	
	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel
January	80	117	66	130	93	107	73	92	41	40	32	33
February	75	108	70	124	78	90	64	84	58	59	34	42
March	93	136	86	141	82	100	69	97	60	53	42	31
April	90	125	93	149	83	75	77	93	39	27	33	21
May	97	139	94	156	74	69	87	90	56	52	23	17
June	89	122	92	148	59	68	80	91	55	64	29	33
July	83	124	98	147	54	66	84	94	54	54	32	63
August	90	130	86	152	60	54	93	105	50	72	27	59
September	90	133	85	149	51	60	94	99	44	56	25	36
October	92	144	96	164	50	66	105	111	50	72	37	53
November	87	141	95	116	65	82	94	97	48	75	34	51
December	78	139	106	105	70	87	54	56	40	43		
TOTAL	1044	1558	1067	1681	819	924	974	1109	595	667	348	439
MONTHLY AVERAGE	87	130	89	140	68	77	81	92	50	55	29	39

PRODUCTION OF PIG IRON IN THOUSANDS OF TONS.



PRODUCTION OF STEEL IN THOUSANDS OF TONS.



***** = 1922; [] = 1921; [] = average 1911 to 1920.

STEEL INGOTS AND CASTINGS

The production of steel during November declined 1,217 tons or 2.3% below the output of the previous month, the totals being respectively 51,418 tons and 52,735 tons. The output exceeding the average for the first ten months of the year by 12,661 tons or 22.7%. The cumulative production of steel for the first eleven months of the current year was 438,988 tons as compared with an output of 624,831 tons during the corresponding period of 1921 representing a decline of 185,843 tons or 29.7%.

The November output of steel ingots amounted to 48,821 tons and consisted entirely of open hearth basic steel intended for further use. In October, 50,851 tons of the same grade was produced, while 42 tons of electric ingots was produced for own use. The production of direct steel castings increased to 2,597 tons as against 1,842 tons in the preceding month, and was greater than that of any other month since January 1921. The castings produced in November, with the exception of 72 tons, were intended for sale. The cumulative production of castings during the first eleven months of 1922 was 19,331 tons as compared with an output of 20,858 tons during the corresponding period of the previous year; this represents a decline of 1,527 tons or 72.3%.

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

The bar chart shown on the preceding page enables the reader to make quick comparisons between the ten-year average production in any month of pig iron and of steel ingots and castings with the actual output in the same month of 1921 and 1922.

Table 3 (a)

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

	OCTOBER			NOVEMBER		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	50,851		50,851	48,821		48,821
Acid						
Bessemer						
Electric	42		42			
TOTAL STEEL INGOTS	50,893		50,893	48,821		48,821
STEEL CASTINGS:						
Open Hearth-Basic	93	881	974	59	1,153	1,212
Acid						
Bessemer	3	122	125	8	255	263
Electric	17	726	743	5	1,117	1,122
TOTAL DIRECT STEEL CASTINGS	113	1,729	1,842	72	2,525	2,597
GRAND TOTAL	51,006	1,729	52,735	48,893	2,525	51,418

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the ELEVEN MONTHS ending NOVEMBER, 1922.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	419,339		419,339
Acid			
Bessemer	7	18	25
Electric	168	125	293
TOTAL STEEL INGOTS	419,514	143	419,657
STEEL CASTINGS:			
Open Hearth-Basic	1,348	6,077	7,425
Acid			
Bessemer	55	2,689	2,744
Electric	974	8,188	9,162
TOTAL DIRECT STEEL CASTINGS	2,377	16,954	19,331
GRAND TOTAL	321,891	17,097	438,988

STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010636071

