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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

MAY, 1923

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PRODUCTION OF IRON AND STEEL IN CANADA

May, 1923

PIG IRON AND FERRO-ALLOYS

Canada's pig iron production in May was 101,533 tons and repeated the considerable advances of the two previous months, resulting in the largest output since October, 1920 when 104,774 tons was produced. The recent increases in tonnage have been as follows: March, 21,047 tons; April, 18,580 tons; May 17,656 tons. The May production this year was more than four times greater than the output of 23,363 tons in May of last year. Comparative statistics for the corresponding month of several previous years are as follows: 1919-74,000 tons; 1920-87,000 tons; and 1921-56,000 tons. The average production in May for the five years ending with 1920 was 87,152 tons.

The cumulative production during the first five months of the present year was 335,696 tons representing an advance of 172,272 tons over the output of the same months last year. The figures for the corresponding period in several years are as follows: 1919-409,636 tons; 1920-418,310 tons; 1921-254,394 tons.

Increases were recorded in practically all the different grades produced. Basic pig iron for further use by the producing firms increased from 52,792 tons to 61,714 tons. Foundry iron for sale advanced from 22,839 tons to 23,242 tons. The output of malleable iron for sale rose from 6,098 tons to 15,656 tons. The basic iron made for the further use of the producing firms during the five months ending May, was 216,407 tons as compared with 92,488 tons during the corresponding period last year. The total foundry iron produced this year was 80,708 tons and the cumulative total for malleable iron was 33,502 tons.

One additional furnace was blown in during the month resulting in a total of 10 furnaces in blast. The active furnaces were located as follows, - three furnaces at Sydney, two at Hamilton, one at Port Colborne and four at Sault Ste. Marie.

The output of ferro alloys during May was 2,289 tons as compared with 2,258 tons in April. The cumulative production in the five months ending May was 10,828 tons, an increase of 6,514 tons over the output of the corresponding period of last year.

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 five months ending May 1923.

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

Table 1 (a) - MAY - 1923.

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

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 (c) - TOTAL for the FIVE months ending MAY, 1923.

PIG IRON:					
Basic.....	216,407	5,079	- -	- -	221,486
Foundry.....	10,085	70,623	- -	- -	80,708
Malleable.....	70	33,432	- -	- -	33,502
All other.....	- - -	- - -	- -	- -	- -
TOTAL PIG IRON.....	226,562	109,134	- -	- -	335,696
TOTAL FERRO-ALLOYS	- - -	- - -	- -	10,828	10,828

No. of blast furnaces:

	First of Month	End of Month
ACTIVE.....	9	10
IDLE.....	11	10

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.

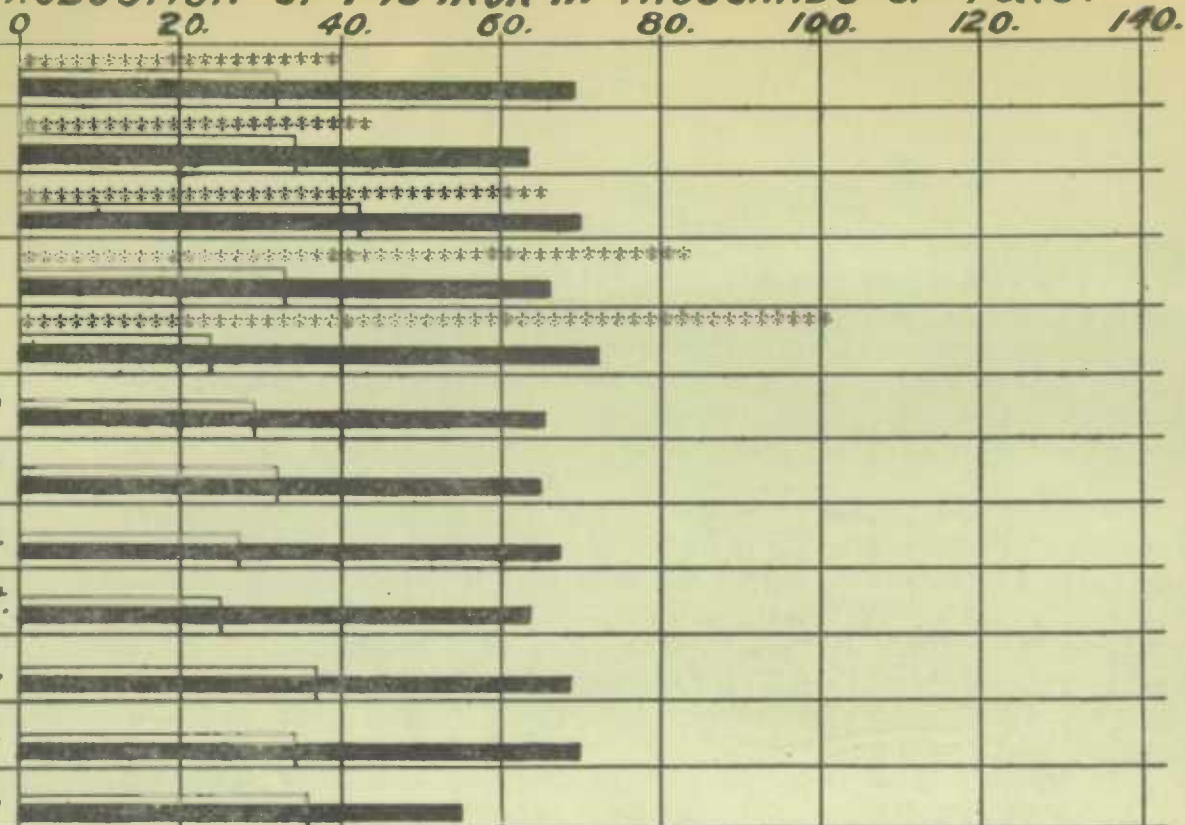
Table 2 (A), AVERAGE MONTHLY PRODUCTION OF
 PIG IRON, STEEL INGOTS AND CASTINGS
 IN CANADA, 1909 - 1918.
 In 1000's of Long Tons

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

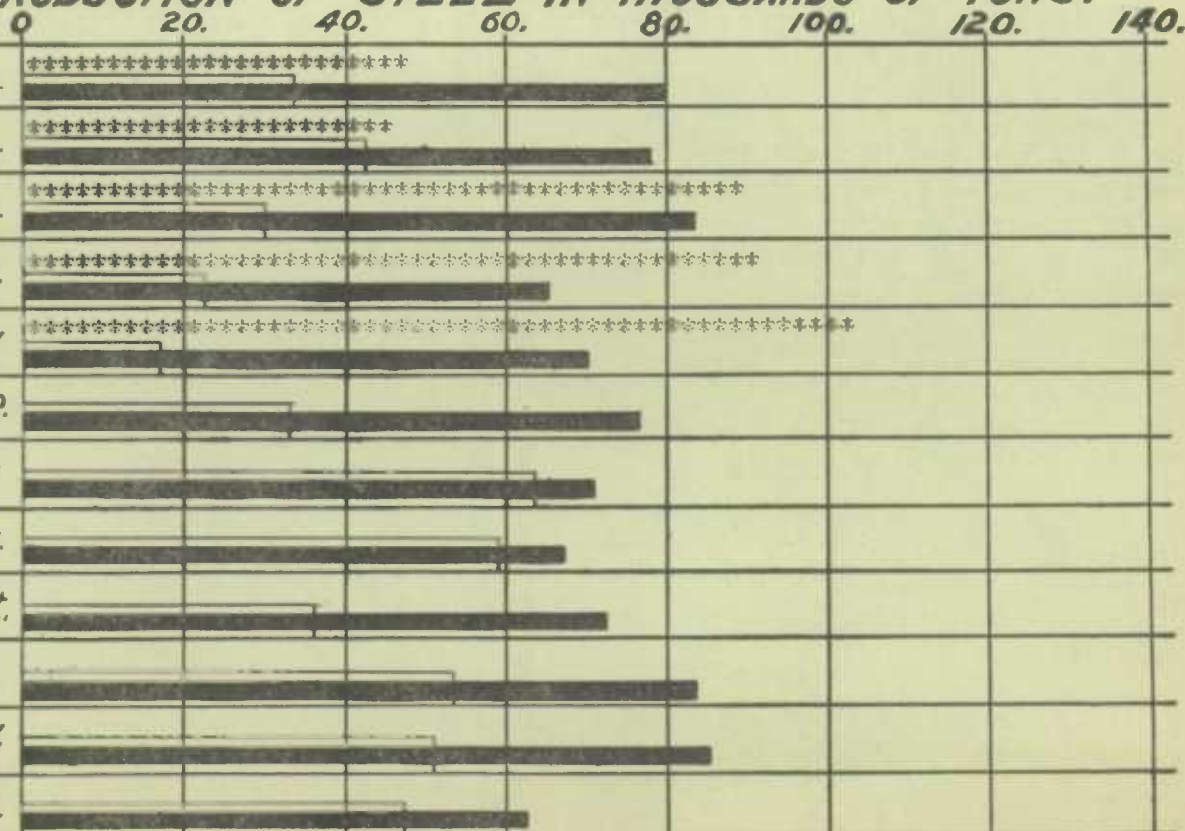
TABLE 2 (B) TOTAL PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS
 IN CANADA BY MONTHS
 From 1919 to Date
 (In 1000's of Long Tons)

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	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		
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	336	380
MONTHLY AVERAGE	68	77	81	92	50	56	32	40	67	76

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 in Canada of steel ingots and castings in May was 104,079 tons, as compared with 92,598 tons in the previous month. The output in May of last year was only 17,000 tons, so that the record for the month this year was more than six times greater and was also nearly double the average production for the same month in the three years 1920 to 1922, computed as about 53,000 tons.

The output of basic ingots in May was 99,691 tons as compared with 88,649 tons produced in the previous month. In both months, the entire output was reported as made for the use of the producing firms. In May of last year, 15,590 tons of basic steel ingots was produced for further use and in addition a small quantity of electric ingots was made for sale. The production of castings in May this year was 4,388 tons of which 4,136 tons was made for sale and 252 tons for the further use of the producing firms. Classified according to grades, 2,926 tons was open hearth basic castings; 285 tons, acid open hearth; 386 tons, bessemer; and 791 tons, electric steel castings.

The basic open hearth steel ingots produced during the first five months of the present year amounted to 361,783 tons. The corresponding figure for 1922 was 136,406 tons. The production of bessemer and electric ingots which was carried on in a small way in the first part of 1922 was discontinued. The cumulative output of castings in the five months ending May was 18,480 tons, of which basic open hearth and electric grades comprised the greater portion. Acid open hearth and bessemer castings were also produced in small quantities.

The cumulative steel production in the five months ending May was 380,263 tons as contrasted with an output of 144,275 tons during the corresponding period of 1922. The comparative output for 1921 was 231,037 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 five months ending May 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.

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Table 3 (a)

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

	APRIL 1923			MAY 1923		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	88,649	-----	88,649	99,691	-----	99,691
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Electric	-----	-----	-----	-----	-----	-----
TOTAL STEEL INGOTS	88,649	-----	88,649	99,691	-----	99,691
STEEL CASTINGS:						
Open Hearth-Basic	240	2,440	2,680	227	2,699	2,926
Acid	-----	450	450	-----	285	285
Bessemer	11	228	239	17	369	386
Electric	5	573	580	8	783	791
TOTAL DIRECT STEEL CASTINGS	256	3,693	3,949	252	4,136	4,388
GRAND TOTAL	88,905	3,693	92,598	99,943	4,136	104,079

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the FIVE MONTHS ending MAY, 1923.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	361,783	-----	361,783
Acid	-----	-----	-----
Bessemer	-----	-----	-----
Electric	-----	-----	-----
TOTAL STEEL INGOTS	361,783	-----	361,783
STEEL CASTINGS:			
Open Hearth-Basic	805	10,946	11,751
Acid	-----	1,313	1,313
Bessemer	46	1,795	1,841
Electric	20	3,555	3,575
TOTAL DIRECT STEEL CASTINGS	871	17,609	18,480
GRAND TOTAL	362,654	17,609	380,263

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