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Monthly Report

of the

PRODUCTION OF IRON AND STEEL

IN CANADA

MARCH, 1922

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MONTHLY REPORT

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PRODUCTION OF IRON AND STEEL

IN CANADA

March - 1922

PIG IRON AND FERRO-ALLOYS

The output of pig iron in Canada during March showed a decided increase over the production during the preceding month and established a record for the present year with a total of 41,733 tons comprising 25,974 tons of basic pig iron, 10,123 tons of foundry iron and 5,636 tons of malleable iron. With the exception of 71 tons the output of basic iron was all used by the producing firms. Foundry iron on the other hand was largely produced for sale, the total under this heading being 10,080 tons with only 43 tons made for the use of the firms reporting. Compared with the preceding month the production of basic iron was only slightly higher, but the output of foundry iron was almost 2000 tons greater than in February. Malleable iron to the extent of 5,636 tons made during March was the first produced this year.

Ferro-alloys shaded slightly from 1,232 tons in February to 1,068 tons during March, the whole production consisting of ferro-silicon in the several grades.

At the close of the month there were only three furnaces in blast, two at Sault Ste. Marie and one at Hamilton, the single furnace operated by the Dominion Iron and Steel Company in February having been closed down before the end of March.

The revival of the iron and steel industry indicated in reports from the producing centers in February gained a little strength during March and while the number of furnaces actually in blast in Canada at the close of the month was less than at the end of February, the output in Canada was appreciably higher, and to that extent more satisfactory than in the preceding month. In the United States the impetus to production which occurred in February was continued throughout March with the result that there was a net gain of 7,425 tons per day over the February record.

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 three months ending March.

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

Table 1 (a) - March - 1922.

	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	25,903	71	- -	- -	25,974
Foundry	43	10,080	- -	- -	10,123
Malleable	- - -	5,636	- -	- -	5,636
Castings	- - -	- - -	- -	- -	- -
TOTAL PIG IRON	25,946	15,787	- -	- -	41,733
TOTAL FERRO-ALLOYS	- - -	- -	- -	1,068	1,068

Table 1 (b) - February - 1922.

PIG IRON:					
Basic	25,349	51	- -	- -	25,400
Foundry	31	8,141	- -	- -	8,172
Malleable	- - -	- - -	- -	- -	- -
Castings	- - -	- - -	- -	- -	- -
TOTAL PIG IRON	25,380	8,192	- -	- -	33,572
TOTAL FERRO-ALLOYS	- - -	- - -	- -	1,232	1,232

Table 1 (c) - TOTAL for the THREE months ending March, 1922.

PIG IRON:					
Basic	74,185	326	- -	- -	74,511
Foundry	74	27,268	- -	- -	27,342
Malleable	- - -	5,636	- -	- -	5,636
Castings	- - -	- - -	- -	- -	- -
TOTAL PIG IRON	74,259	33,230	- -	- -	107,489
TOTAL FERRO-ALLOYS	- - -	- - -	- -	2,904	2,904

No. of blast furnaces:

	First of Month	End of Month
ACTIVE	4	3
IDLE	16	17

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 Iron	Steel	YEAR	MONTHLY AVERAGE Iron	Steel
1907	48	53	1912	75	71
1908	47	44	1913	84	87
1909	56	56	1914	58	62
1910	60	61	1915	68	76
1911	68	66	1916	87	106

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

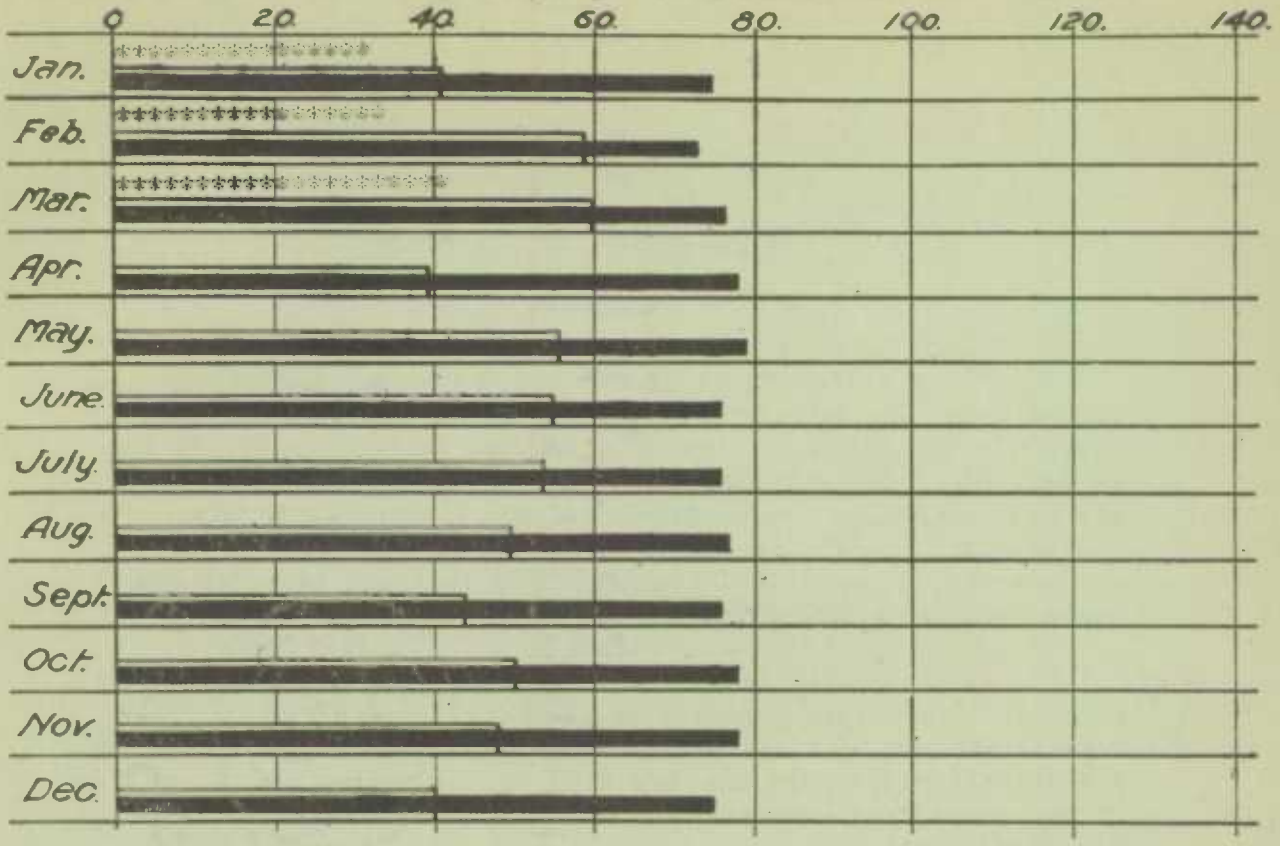
IN CANADA BY MONTHS

From 1917 to Date

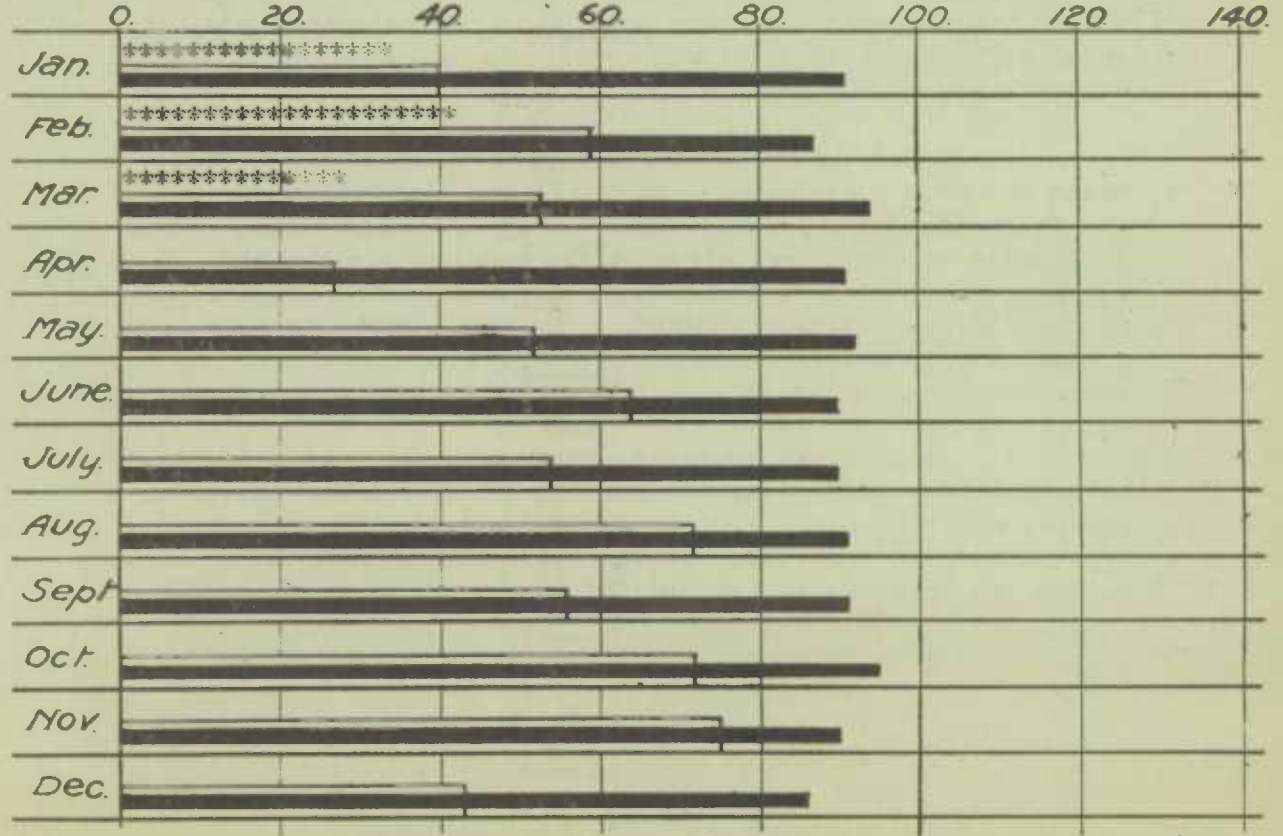
(In 1000's of Long Tons)

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	30
April	90	125	93	149	83	75	77	93	39	27		
May	97	139	94	156	74	69	87	90	56	52		
June	89	122	92	148	59	68	80	91	55	64		
July	83	124	98	147	54	66	84	94	54	54		
August	90	130	86	152	60	54	93	105	50	72		
September	90	133	85	149	51	60	94	99	44	56		
October	92	144	96	164	50	66	105	111	50	72		
November	87	141	95	116	65	82	94	97	48	75		
December	78	139	106	105	70	87	54	56	40	43		
TOTAL	1044	1558	1067	1681	819	924	974	1109	595	667	108	105
MONTHLY AVERAGE	87	130	89	140	68	77	81	92	50	56	36	35

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

In spite of the advance in the production of pig iron during March the output of steel ingots and castings was much lower than in February, the total output being only 29,941 tons as against 42,388 tons in the preceding month. The decline was most marked in the production of basic open hearth steel ingots which in February amounted to 40,935 tons, but in the month under review totalled only 28,222 tons all made for the use of the producing firms.

Basic open hearth castings made during the month amounted to 678 tons practically all of which was used by the reporting firms. In February a very small quantity of basic open hearth steel castings was used by the makers but a larger proportion amounting in all to 472 tons was produced for direct sale.

Bessemer castings and electric steel made in March amounted to slightly more than 1000 tons which was a little higher than the corresponding figure for February.

In the United States the production of steel during March showed a considerable increase over the output during the preceding month, and in Canada a general improvement in conditions in the steel industry was noticed towards the close of the month, although many plants were still operating at considerably reduced capacity. Dealers' sales were reported as having increased from 10% to 25% and a steady improvement was expected.

Table 3 (a) shows the production of steel ingots and castings in Canada during the month just closed and the month immediately preceding. For reference Table 3 (b) shows the total production by grades of steel ingots and castings during the three months ending March.

Table 3 (a)

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

	FEBRUARY			MARCH		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	40,935	.....	40,935	28,222	.....	28,222
Acid	.....	.....	.....	.....	.....	.....
Bessemer	1	3	4	2	4	6
Electric	.....	.....	.....	.....	.....	.....
TOTAL STEEL INGOTS	40,936	3	40,939	28,224	4	28,228
STEEL CASTINGS:						
Open Hearth-Basic	73	472	545	669	9	678
Acid	.....	.....	.....	.....	.....	.....
Bessemer	3	129	132	11	201	212
Electric	36	736	772	52	771	823
TOTAL DIRECT STEEL CASTINGS	112	1,337	1,449	732	981	1,713
GRAND TOTAL	41,048	1,340	42,388	28,956	985	29,941

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the THREE MONTHS ending MARCH, 1922.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	100,317	.....	100,317
Acid	.....	.....	.....
Bessemer	4	9	13
Electric	.....	.....	.....
TOTAL STEEL INGOTS	100,321	9	100,330
STEEL CASTINGS:			
Open Hearth-Basic	806	1,319	2,125
Acid	.....	.....	.....
Bessemer	15	419	434
Electric	97	2,354	2,451
TOTAL DIRECT STEEL CASTINGS	918	4,092	5,010
GRAND TOTAL	101,239	4,101	105,340