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Monthly Report

of the

PRODUCTION OF IRON AND STEEL

IN CANADA

JULY, 1922

Prepared under the direction of

S. J. COOK,

Chief of the
MINING, METALLURGICAL
AND CHEMICAL BRANCH

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MONTHLY REPORT
of the
PRODUCTION OF IRON AND STEEL

IN CANADA

July - 1922

PIG IRON AND FERRO-ALLOYS

The production of pig iron in July presented an increase of 10.2% over the record for June. The output in July was 31,705 tons as compared with a production of 28,763 tons in the previous month. The decided advance in the basic pig manufactured for further use was an interesting development in this connection. In June, 14,714 tons were produced while in the next month the records indicate an output of 25,419 tons. Notwithstanding the encouraging increase over the totals for May and June, the output in July is considerably below the monthly average for 1921 and for the first half of 1922. The average for the half-year was 32,031 and during 1921 the average monthly production was 51,534 tons.

The output in July 1921 was 54,086 tons and the record for the month under review presents a decrease of 41.4%. The cumulative production for the seven months ending July 31st last was 223,892, as compared with a total production of 363,292 tons during the corresponding period of 1921.

The furnace at Hamilton was idle at the end of the month leaving in operation two furnaces at Sault Ste. Marie and one at Sydney.

The production of pig iron during July in the United States as reported by the "Iron Age" showed an absolute increase of 39,017 tons as contrasted with a loss in the daily rate of 1281 tons. The composite price increased from \$24.05 per gross ton on July 25th to \$24.38 on August 1st. The Canadian price of basic pig iron as quoted by one of the steel companies remained steady for July at \$27.00 per ton notwithstanding the rapid increase from \$24 in April to \$27 in June.

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 seven months ending July.

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

Table 1 (a) - July - 1922.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic.....	25,419	- - -	- -	- -	25,419
Foundry.....	39	6,239	- -	- -	6,278
Malleable.....	- - -	- - -	- -	- -	- -
All other.....	- - -	- - -	- -	8	8
TOTAL PIG IRON.....	25,458	6,239	- -	8	31,705
TOTAL FERRO-ALLOYS	- - -	- - -	- -	1,809	1,809

Table 1 (b) - June - 1922.

PIG IRON:					
Basic.....	14,714	- - -	- -	- -	14,714
Foundry.....	100	8,516	- -	- -	8,616
Malleable.....	- - -	5,337	- -	- -	5,337
Castings.....	- - -	- - -	- -	96	96
TOTAL PIG IRON.....	14,814	13,853	- -	96	28,763
TOTAL FERRO-ALLOYS	1,890	161	- -	626	2,677

Table 1 (c) - TOTAL for the SEVEN months ending JULY, 1922.

PIG IRON:					
Basic.....	132,621	430	- -	- -	133,051
Foundry.....	244	71,903	- -	- -	72,147
Malleable.....	- - -	18,590	- -	- -	18,590
All other.....	- - -	- - -	- -	104	104
TOTAL PIG IRON.....	132,865	90,923	- -	104	223,892
TOTAL FERRO-ALLOYS	4,389	342	- -	5,749	11,480

No. of blast furnaces:

	First of Month	End of Month
ACTIVE.....	3.....	3
IDLE.....	17.....	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		YEAR	MONTHLY AVERAGE	
	Iron	Steel		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

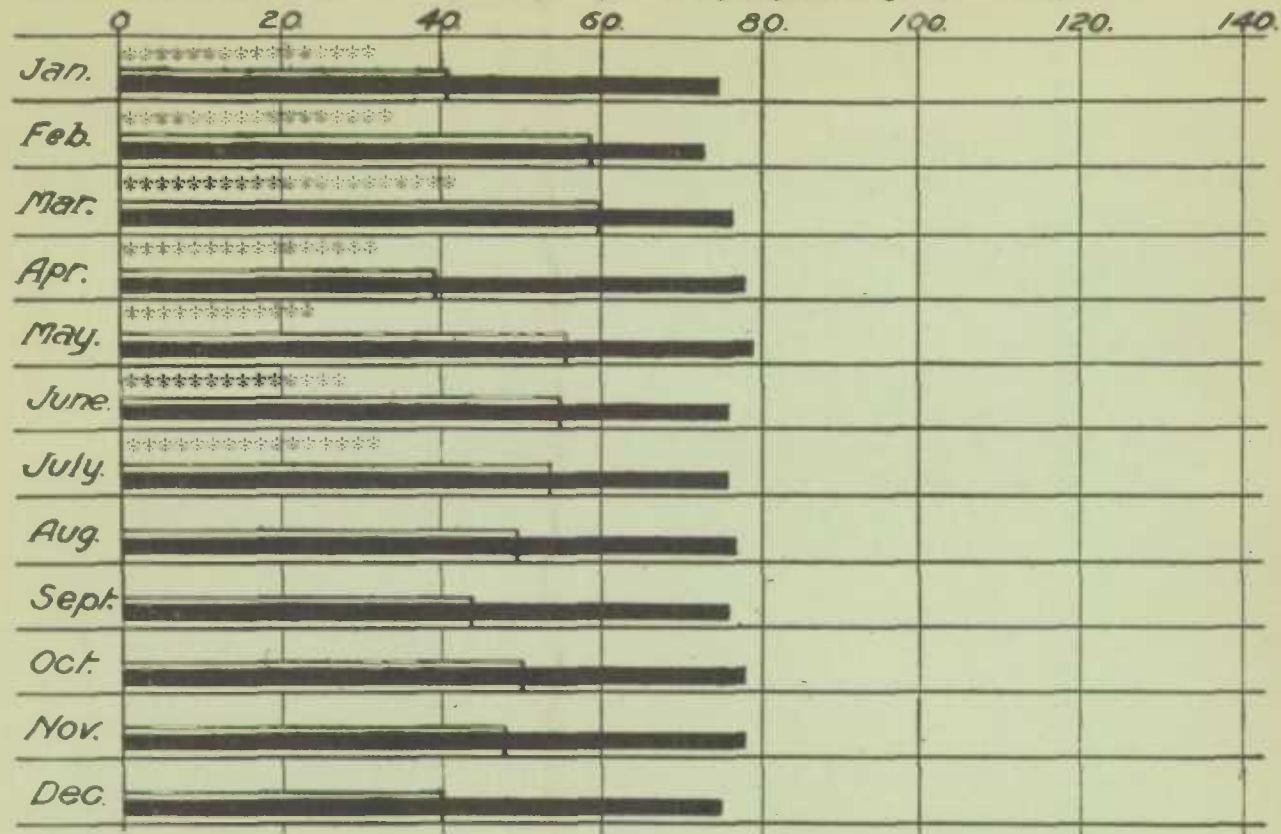
TABLE 2 (B) TOTAL PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS
IN CANADA BY MONTHS

From 1917 to Date

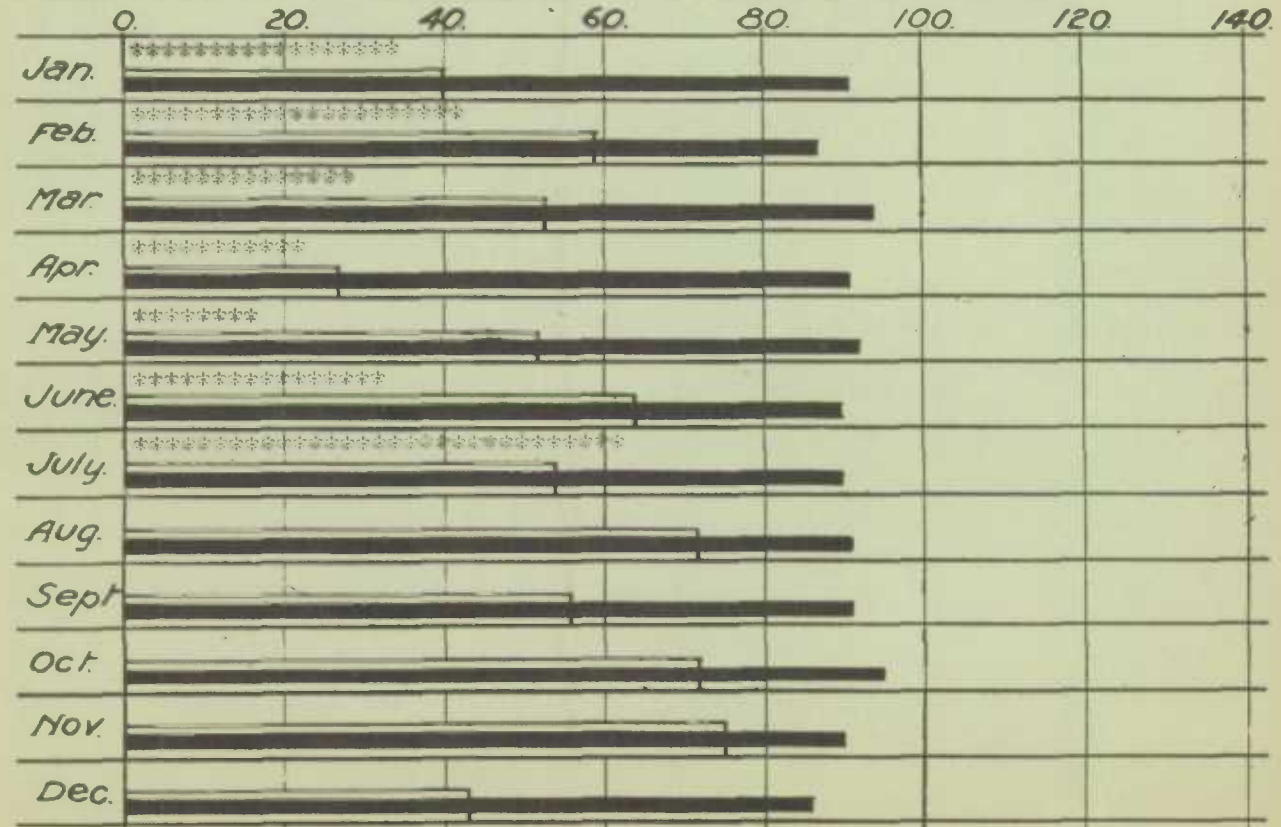
(In 1000's of Long Tons)

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	33
April	90	125	93	149	83	75	77	93	39	27	33	33
May	97	139	94	156	74	69	87	90	56	52	23	33
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		
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	225	240
MONTHLY AVERAGE	87	130	89	140	68	77	81	92	50	56	32	34

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

A surprising advance in the production of steel was effected in July. The output in June was 32,805 tons while in the month under review 62,767 tons were produced constituting an increase of 91%. The advance occurred chiefly in the open hearth basic ingots produced for further use. The output was 61,243 compared with 31,206 tons in June, comprising an increase of 96.1%. The average monthly output of the grade during 1921 was 53,489 tons and the average for the first half year of 1921 was 27,938 tons. The greater part of the increase for July was reported from the steel plant at Sault Ste. Marie.

During the 7 months ending with July 31st the production of steel was 239,847 as compared with a cumulative total of 349,118 tons for the same period last year. The output of open hearth basic ingots in the seven months of the present year is below the production in the corresponding period of last year by 104,095 tons. The steel castings produced in the seven months of last year are also in excess of the production for the corresponding period of this year by 3,918 tons or 28%.

The splendid increase in steel production during July in spite of coal shortage speaks well for future prospects. Improvements in marketing conditions is the chief factor accounting for the altered outlook. According to the "Iron Age" the United States Steel Corporation entered the first week of August with a steel output at nearly 70% of capacity and the average for the independent companies was nearer 60%.

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 seven months ending July.

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.)

	JUNE			JULY		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	31,206		31,206	61,243		61,243
Acid						
Bessemer	1	3	4	1	4	5
Electric		60	60			
TOTAL STEEL INGOTS	31,207	63	31,270	61,244	4	61,248
STEEL CASTINGS:						
Open Hearth-Basic	44	518	562	99	525	624
Acid						
Bessemer	2	122	124	2	156	158
Electric	71	778	849	95	642	737
TOTAL DIRECT STEEL CASTINGS	117	1,418	1,535	196	1,323	1,519
GRAND TOTAL	31,324	1,481	32,805	61,440	1,327	62,767

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the SEVEN MONTHS ending JULY, 1922.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	228,855		228,855
Acid			
Bessemer	7	18	25
Electric	2	125	127
TOTAL STEEL INGOTS	228,864	143	229,007
STEEL CASTINGS:			
Open Hearth-Basic	1,016	3,178	4,194
Acid			
Bessemer	27	1,021	1,048
Electric	819	4,779	5,598
TOTAL DIRECT STEEL CASTINGS	1,862	8,978	10,840
GRAND TOTAL	230,726	9,121	239,847

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