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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

AUGUST, 1922

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PRODUCTION OF IRON AND STEEL
IN CANADA

August, 1922

PIG IRON AND FERRO-ALLOYS

The production of pig iron suffered a decline of 14.45% in August as compared with the record of the previous month. The output in the month under review was 27,123 gross tons as compared with a production of 31,705 tons in July, involving a decrease of 4,582 tons. The August output represents an increase of 16.09% over the record for May, constituting the minimum production of the present year. The principal grades produced in August were 20,494 tons of basic pig for further use, and 6,296 tons of foundry iron intended for sale. Fifty-two tons of foundry iron was made for further use and 281 tons of malleable iron was manufactured for sale.

A comparison with the statistics of last year indicates the quiet tone from which the industry has not yet emerged. The pig iron output in August, 1921, was 50,156 tons comprising an excess of 23,033 tons or 45.9% over the record for the corresponding month of this year. The cumulative production during the first eight months of last year was 413,448 tons as compared with a total of 251,015 tons during the corresponding period of 1922. The difference represents a decline of 39.28%.

The ferro-alloy production in August increased by three per cent over the record for July. The absolute quantities were 1,864 tons in August and 1,809 tons in the previous month, comprising an increase of fifty-five tons. The cumulative output for the first eight months of this year was 13,344 tons as compared with a production of 17,784 tons during the corresponding period of last year, constituting a decline from last year's record by 4,440 tons or 24.9%. The output in August consisted chiefly of 50% and 75% ferro-silicon produced for sale.

Notwithstanding advancing prices and favorable marketing conditions production slackened perceptibly during August. The fuel shortage was the principal cause of the recession bearing specially hard on the industry in question. Upon the settlement of the coal and rail strikes considerable improvement may be expected.

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 eight months ending August.

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

Table 1 (a) - AUGUST - 1922.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic.....	20,494	- - -	- -	- -	20,494
Foundry.....	52	6,296	- -	- -	6,348
Malleable.....	- - -	281	- -	- -	281
All other.....	- - -	- - -	- -	- -	- -
TOTAL PIG IRON.....	20,546	6,577	- -	- -	27,123
TOTAL FERRO-ALLOYS	- - -	- - -	- -	1,864	1,864

Table 1 (b) - July - 1922.

PIG IRON:					
Basic.....	25,419	- - -	- -	- -	25,419
Foundry.....	39	6,239	- -	- -	6,278
Malleable.....	- - -	- - -	- -	- -	- -
Castings.....	- - -	- - -	- -	8	8
TOTAL PIG IRON.....	25,458	6,239	- -	8	31,705
TOTAL FERRO-ALLOYS.....	- - -	- - -	- -	1,809	1,809

Table 1 (c) - TOTAL for the EIGHT months ending AUGUST, 1922.

PIG IRON:					
Basic.....	153,115	430	- -	- -	153,545
Foundry.....	296	78,199	- -	- -	78,495
Malleable.....	- - -	18,871	- -	- -	18,871
All other.....	- - -	- - -	- -	104	104
TOTAL PIG IRON.....	153,411	97,500	- -	104	251,015
TOTAL FERRO-ALLOYS	4,389	342	- -	8,613	13,344

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

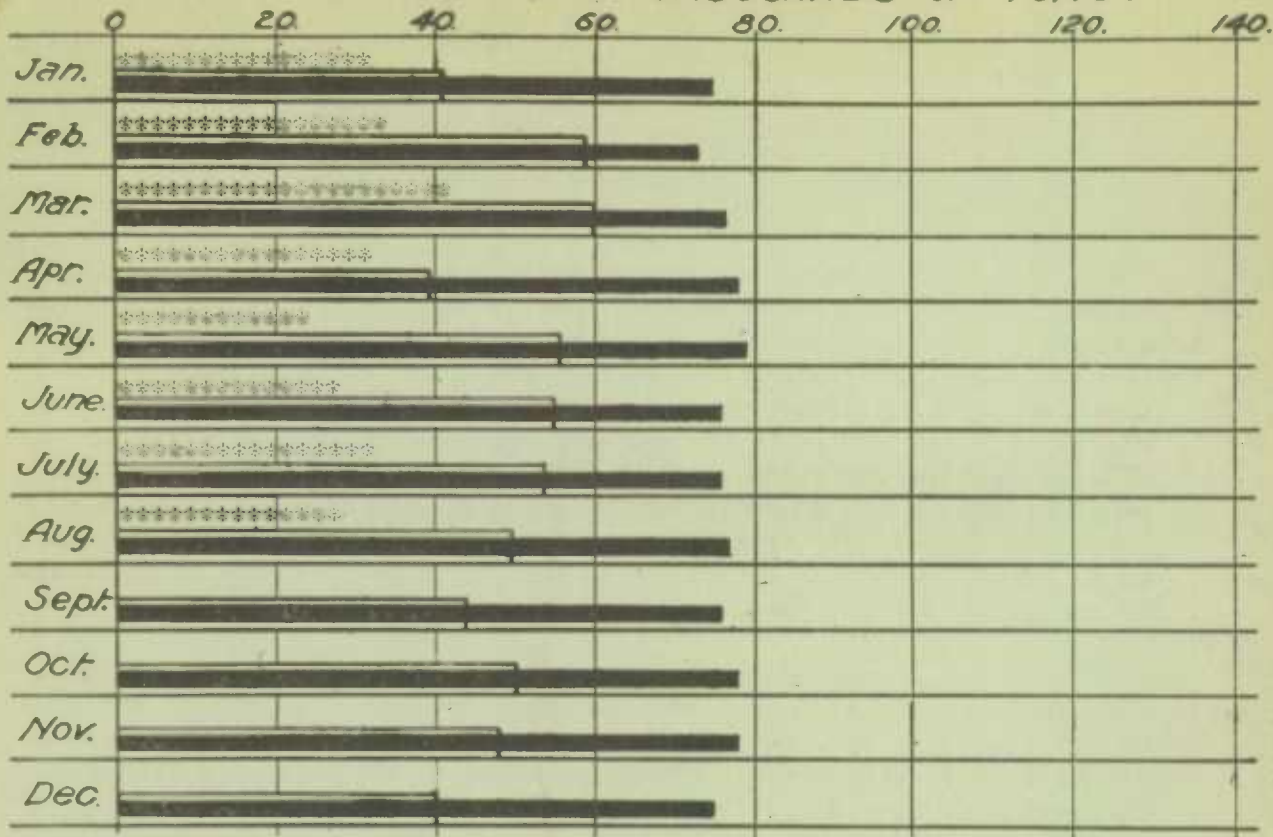
TABLE 2 (B) TOTAL PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS
IN CANADA BY MONTHS

From 1917 to Date

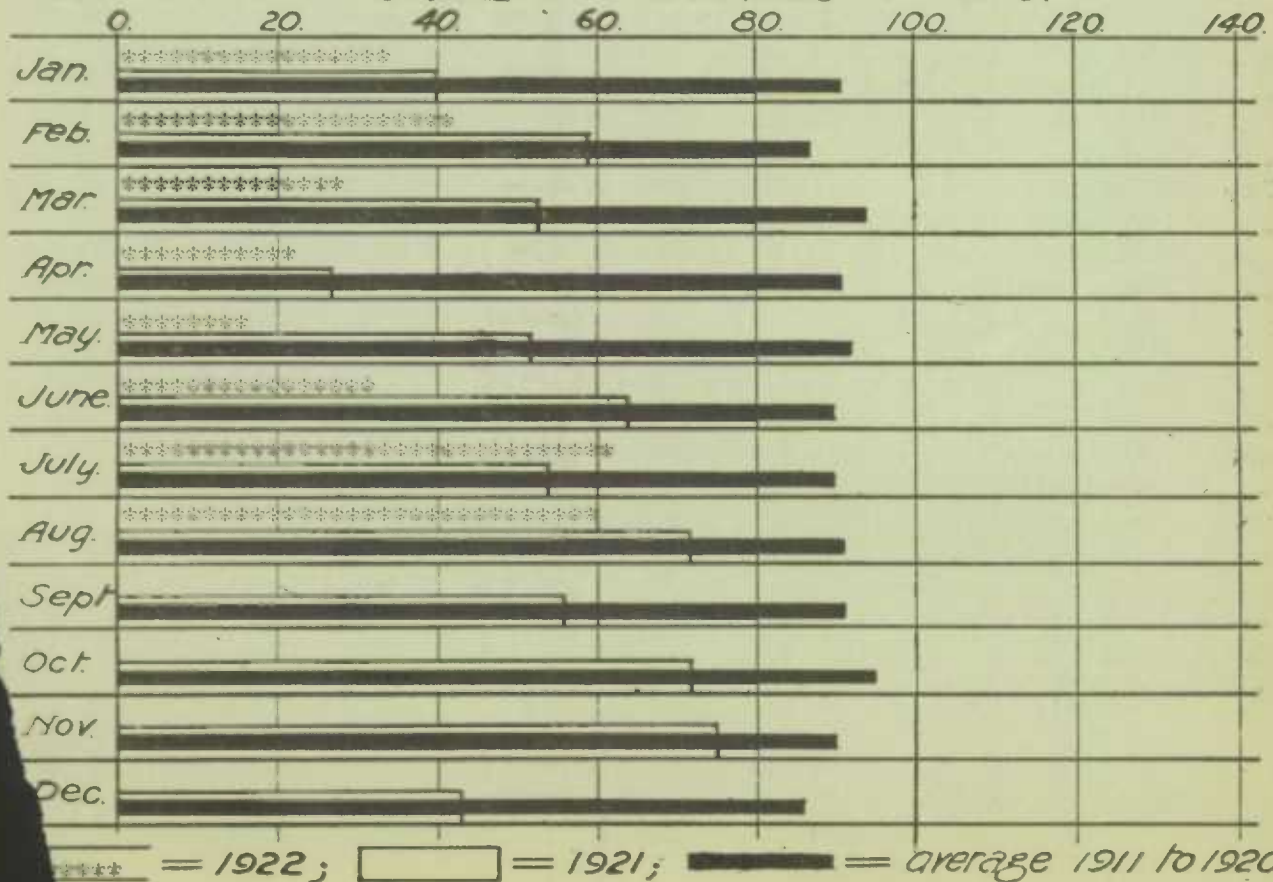
(In 1000's of Long Tons)

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	30
April	90	125	93	149	83	75	77	93	39	27	33	22
May	97	139	94	156	74	69	87	90	56	52	23	31
June	89	122	92	148	59	68	80	91	55	64	29	30
July	83	124	98	147	54	66	84	94	54	54	32	30
August	90	130	86	152	60	54	93	105	50	72	27	30
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	76	139	106	105	70	87	54	56	40	43		
TOTAL	1044	1558	1067	1681	819	924	974	1109	595	667	252	299
MONTHLY AVERAGE	87	130	89	140	68	77	81	92	50	56	32	37

PRODUCTION OF PIG IRON IN THOUSANDS OF TONS.



PRODUCTION OF STEEL IN THOUSANDS OF TONS.



STEEL INGOTS AND CASTINGS

Steel production declined to 59,201 long tons in August as compared with an output of 62,767 tons during the previous month. The decrease is equivalent to 3,566 tons or 5.68%. The output in August is also less than that of the corresponding month last year by 12,822 tons representing a decrease of 17.8%. The cumulative production for the first eight months of the present year was 299,048 tons involving a decrease from the output during the same period of 1921 by 122,093 tons or 29%. The absolute quantity produced in the eight month period last year was 421,141 tons. The average production in August for the three year period from 1919 to 1921 was 76,964 tons which is in excess of the output of the month under review by 30%.

The 56,997 tons of ingots were open hearth basic steel intended for further use. The production of ingots in August was 56,997 tons or 6.9% less than the output in the previous month when 61,243 tons were reported. In August 1921 70,339 tons were produced comprising an excess of 13,342 tons or 23.4% over the output of the month under review.

The output of direct castings increased from a production of 1,519 tons in July to 2,204 tons in the following month. The increase represented 685 tons or 45%. The total production of castings for the last eight months was 13,044 tons as compared with an output of 17,628 tons during the corresponding period of the previous year. The decline comprises 4,584 tons or 26%. The principal grade produced in August was 1,128 tons of bessemer castings of which 1,118 tons were made for sale. Castings made in electric furnaces for sale were reported to the amount of 738 tons and 130 tons were manufactured for further use.

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 eight months ending August.

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.)

	JULY			AUGUST		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	61,243	-----	61,243	56,997	-----	56,997
Acid	-----	-----	-----	-----	-----	-----
Bessemer	1	4	5	-----	-----	-----
Electric	-----	-----	-----	-----	-----	-----
TOTAL STEEL INGOTS	61,244	4	61,248	56,997	-----	56,997
STEEL CASTINGS:						
Open Hearth-Basic	99	525	624	110	98	208
Acid	-----	-----	-----	-----	-----	-----
Bessemer	2	156	158	10	1,118	1,128
Electric	95	642	737	130	738	868
TOTAL DIRECT STEEL CASTINGS	196	1,323	1,519	250	1,954	2,204
GRAND TOTAL	61,440	1,327	62,767	57,247	1,954	59,201

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the EIGHT MONTHS ending AUGUST, 1922.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	285,852	-----	285,852
Acid	-----	-----	-----
Bessemer	7	18	25
Electric	2	125	127
TOTAL STEEL INGOTS	285,861	143	286,004
STEEL CASTINGS:			
Open Hearth-Basic	1,126	3,276	4,402
Acid	-----	-----	-----
Bessemer	37	2,139	2,176
Electric	949	5,517	6,466
TOTAL DIRECT STEEL CASTINGS	2,112	10,932	13,044
GRAND TOTAL	287,973	11,075	299,048

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