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Monthly Report  
of the  
PRODUCTION OF IRON AND STEEL  
IN CANADA

MAY, 1921

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Ottawa  
1921



Monthly Report  
of the  
PRODUCTION OF IRON AND STEEL  
IN CANADA

MAY, 1921

PIG IRON AND FERRO-ALLOYS

The May production of pig iron and ferro-alloys in Canada showed an advance of more than 43% over the April output, production rising from 39,693 long tons in April to 57,035 tons in May. Basic iron output was nearly trebled, the total for this item being 44,002 tons compared with 15,971 tons in April. Of this amount, 43,972 tons was reported as made by firms for their own further use in processes of manufacture, only 30 tons being made for direct sale as such.

Foundry iron, which showed up so favorably in the March and April reports slumped in May to 9,915 tons, or less than half the amount produced in the preceding month when 22,929 tons was made. Of the May production, slightly more than half was made by firms for their own use, the amount credited to this item being 5,206 tons. The remainder, 4,709 tons was made for sale. Malleable iron output was restored in May to 2,162 tons; none was produced in the preceding month.

Ferro-alloys production rose slightly in May to 944 tons, from a total of 793 tons in April. The production as in April consisted entirely of ferro-silicon, in grades from 17% to 50%. Electro Metals, Ltd., Welland, make 50% ferro-silicon and two other firms, the Abrasive Company of Canada, Ltd., Hamilton, and Canadian Carborundum Co., Ltd., Niagara Falls, produce ferro-silicon as a by-product in the manufacture of artificial abrasives. All three firms reported production in May.

Only five (5) blast furnaces were active at the end of May, leaving fifteen (15) idle, a net loss for the month of one furnace. Four furnaces were operating in Ontario at the close of the month; three at Sault Ste. Marie, and one at Hamilton. The Dominion Steel Corporation continued with one furnace in blast at Sydney, C.B.

The decline in iron production seems almost to have run its course, and the buyers' strike coincident with the decline must also soon come to an end. The restoration of national confidence in the possibilities of industrial progress will be marked by an expansion in construction that will almost immediately create a vigorous demand for products of the iron and steel industry.

Table I (a) shows the production of pig iron by grades and ferro-alloys during the month. For comparison Table I (b) shows the corresponding data for the month of April, and Table I (c) shows the total output for the five months of the calendar year to date.

THE HISTORY OF THE

REIGN OF

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

Table I (a) - MAY - 1921.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic .....	43,972	30	-----	-----	44,002
Foundry .....	5,206	4,709	-----	-----	9,915
Malleable .....	-----	2,162	-----	-----	2,162
Castings .....	-----	-----	-----	12	12
TOTAL PIG IRON ...	49,178	6,901	-----	12	56,091
TOTAL FERRO-ALLOYS .....					944

Table I (b) - APRIL - 1921.

PIG IRON:					
Basic .....	15,971	-----	-----	-----	15,971
Foundry .....	11,544	11,385	-----	-----	22,929
Malleable .....	-----	-----	-----	-----	-----
TOTAL PIG IRON ...	27,515	11,385	-----	-----	38,900
TOTAL FERRO-ALLOYS .....					793

Table I (c) - TOTAL for the five months ending MAY, 1921.

PIG IRON:					
Basic .....	171,506	167	-----	-----	171,673
Foundry .....	22,892	35,599	222	-----	58,713
Malleable .....	4,915	19,081	-----	-----	23,996
Castings .....	-----	-----	-----	12	12
TOTAL PIG IRON ...	199,313	54,847	222	12	254,394
TOTAL FERRO-ALLOYS .....					10,064

No. of blast furnaces:

	First of Month	End of Month
ACTIVE .....	6	5
IDLE .....	14	15

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

IN CANADA, 1907 - 1916.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE	YEAR	MONTHLY AVERAGE
1907	48	1912	75
1908	47	1913	84
1909	56	1914	58
1910	60	1915	68
1911	68	1916	87

Table 2 (b)

TOTAL PRODUCTION OF PIG IRON IN CANADA BY MONTHS

From 1917 to Date

(In 1000's of Long Tons)

MONTH	1917	1918	1919	1920	1921
January	80	66	93	73	41
February	75	70	78	64	58
March	93	86	82	69	60
April	90	93	83	77	40
May	97	94	74	87	57
June	89	92	59	80	
July	83	98	54	84	
August	90	86	60	93	
September	90	85	51	94	
October	92	96	50	105	
November	87	95	65	94	
December	78	106	70	54	
TOTAL	1044	1067	819	974 To date	256
MONTHLY AVERAGE	87	89	68	81 To date	51



THE HISTORY OF THE  
JEWISH PEOPLE



## STEEL INGOTS AND CASTINGS

Nearly twice as much steel was made in May as during April; the tonnages of steel ingots and castings produced being reported as 52,001 long tons in May compared with 27,381 tons in the preceding month. Basic open hearth steel led the list, rising from 25,252 tons in April to 49,864 tons in May, the entire production in both months being made by producers for further use in their own plants.

A total of 132 tons of acid open hearth steel was also made during the month, but very little of this steel is made in Canada as the record for the year to date shows only 239 tons made in all during the five months' period. The production of steel castings remained practically the same, at 1,933 tons compared with 1,938 tons in the previous month. Of this amount, 1,738 tons was made from electric furnaces and 1,562 tons was produced for direct sale. Small quantities of basic and acid open hearth steel castings were made together with slightly more than one hundred tons of castings by the converter process.

Although it seems apparent that the bottom has been reached in the dull market which has existed now for so long, no definite trend upward can yet be discerned in buying movements. The stagnation in the iron and steel trade, to which reference was made in the text on pig iron and ferro-alloys production, is thought to be nearly passed, and greater activity may be looked for in the very near future. It has been pointed out that wholesale prices of several basic commodities in the United States increased  $2\frac{1}{2}\%$  during May, 1921, and that this advance marked the end of the steady decline in the prices of the commodities listed, from the peak of June, 1920, which represented a fall of more than  $5\frac{1}{2}\%$ .

"Dragging Bottom" is the title of the article in "The Iron Age" regarding May output of iron and steel in the United States, and the words seem to express the feeling generally held both in that country and in Canada that iron and steel production can decline no farther. The increase in Canadian steel production during the month indicates that conditions are rather more hopeful in this country, and it is believed that the demand for steel products will be augmented and that the output both of iron and steel in Canada will continue to advance in the coming months.



Table 3 (a)

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

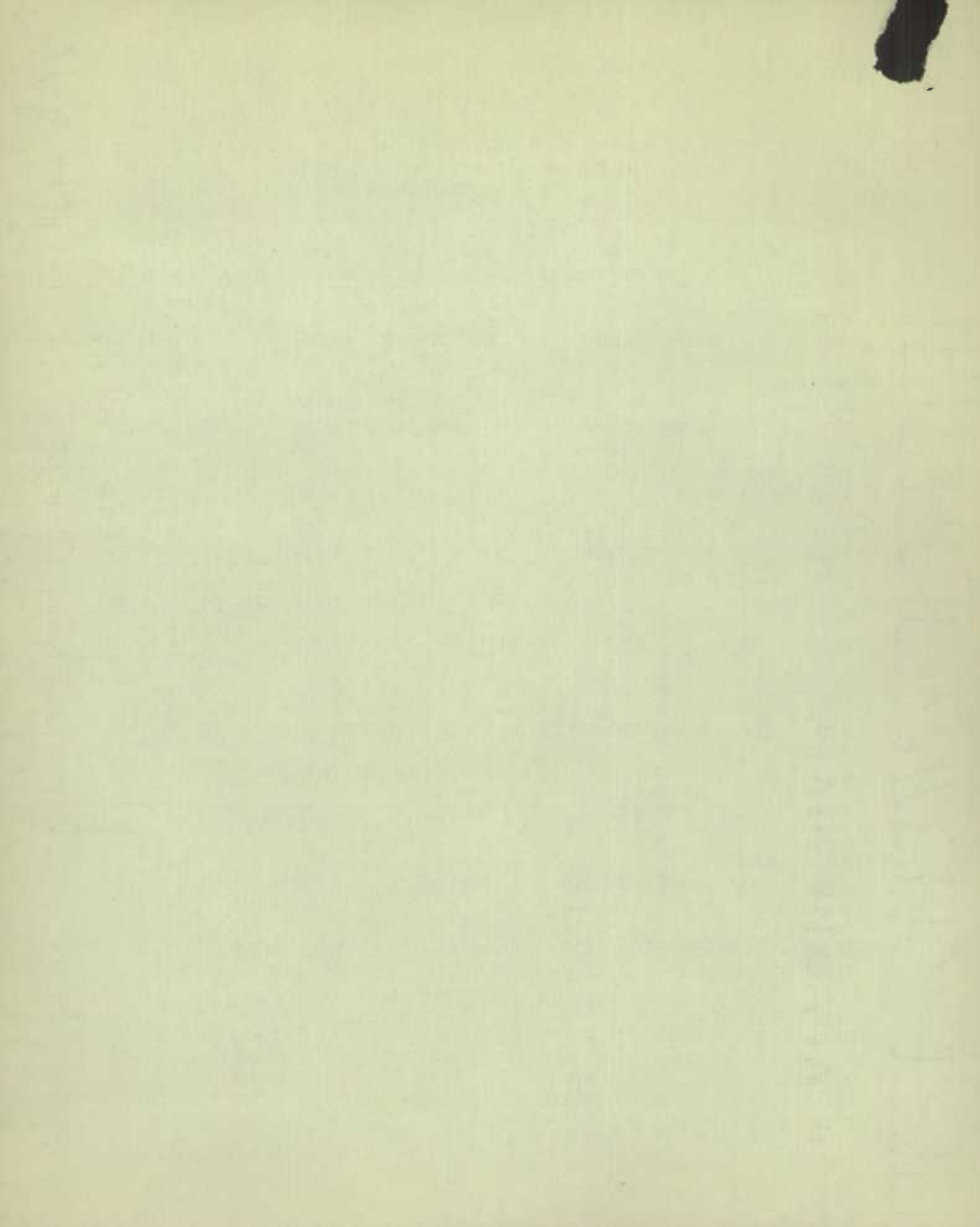
	APRIL			MAY		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	25,252	-----	25,252	49,884	-----	49,884
Acid	-----	-----	-----	132	-----	132
Bessemer	-----	-----	-----	-----	-----	-----
Electric	172	19	191	35	17	52
TOTAL STEEL INGOTS	25,424	19	25,443	50,051	17	50,068
STEEL CASTINGS:						
Open Hearth-Basic	44	87	131	56	-----	56
Acid	-----	-----	-----	-----	37	37
Bessemer	15	109	124	9	93	102
Electric	227	1,456	1,683	146	1,592	1,738
TOTAL DIRECT STEEL CASTINGS	286	1,652	1,938	211	1,722	1,933
GRAND TOTAL	25,710	1,671	27,381	50,262	1,739	52,001

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the FIVE MONTHS ending MAY, 1921.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	218,649	-----	218,649
Acid	239	-----	239
Bessemer	24	41	65
Electric	636	573	1,209
TOTAL STEEL INGOTS	219,548	614	220,162
STEEL CASTINGS:			
Open Hearth-Basic	286	1,134	1,420
Acid	4	252	256
Bessemer	174	718	892
Electric	1,628	6,679	8,307
TOTAL DIRECT STEEL CASTINGS	2,092	8,783	10,875
GRAND TOTAL	221,640	9,397	231,037



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Table 4 (a)

AVERAGE MONTHLY PRODUCTION OF STEEL INGOTS AND DIRECT STEEL CASTINGS

IN CANADA, 1907 - 1916.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE	YEAR	MONTHLY AVERAGE
1907	53	1912	71
1908	44	1913	87
1909	56	1914	62
1910	61	1915	76
1911	66	1916	106

Table 4 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA BY MONTHS

From 1917 to Date

(In 1000's of Long Tons)

MONTH	1917	1918	1919	1920	1921
January	117	130	107	92	40
February	108	124	90	84	59
March	136	141	100	97	53
April	125	149	75	93	27
May	139	156	69	90	52
June	122	148	68	91	
July	124	147	66	94	
August	130	152	54	105	
September	133	149	60	99	
October	144	164	66	111	
November	141	116	82	97	
December	139	105	87	56	
TOTAL	1558	1681	924	1109 To date 231	
MONTHLY AVERAGE	130	140	77	92 To date 46	

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