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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

AUGUST, 1921

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Ottawa
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PIG IRON AND FERRO-ALLOYS

The quantity of pig iron and ferro-alloys produced during the month of August was nearly 4,000 tons lower than that of the previous month. Pig iron made by the firms for their own use dropped about 10% or 5,828 tons below last month's figures. The output of basic iron was considerably higher, being 46,939 tons as compared with 40,720 tons in July. Foundry iron production decreased from 10,339 tons in July, to 1,882 tons in August. This decrease was entirely in that which was made for the use of the producing firms. Malleable iron also declined during this month, none of the firms reporting any of this product as being made for their own use, while 1,234 tons was made for sale. There was but a slight falling off in the output of electric iron castings; last month's total of 105 tons being lessened by 4 tons. Pig iron made for sale during August amounted to 3,207 tons, which was an increase of 1,898 tons over that of July.

The reports for this month show that there were 2,547 tons of spiegeleisen produced. There is included in this amount 94 tons which was sold, this being the first sale of spiegeleisen reported since February. The several grades of ferro-silicon totalled 967 tons for August as compared with 659 tons during the previous month, a gain of 308 tons.

The Algoma Steel Corporation reported only two blast furnaces in operation at the end of the month, one having been blown out during the period. This loss leaves a total of five furnaces operating and fifteen idle at the end of August. The blast furnaces active were as follows: two at Sault Ste. Marie, one at Hamilton, and two at Sydney.

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 July, and Table I (c) shows the total output for the eight months of the calendar year to date.

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

Table I (a) - AUGUST - 1921.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic	46,852	87	.....	.....	46,939
Foundry	97	1,785	.....	.....	1,882
Malleable .....	.....	1,234	.....	.....	1,234
Castings .....	.....	.....	.....	101	101
TOTAL PIG IRON ...	46,949	3,106	.....	101	50,156
TOTAL FERRO-ALLOYS	2,453	94	.....	967	3,514

Table I (b) - JULY - 1921.

PIG IRON:					
Basic	40,720	.....	.....	.....	40,720
Foundry	9,135	1,204	.....	.....	10,339
Malleable	2,922	.....	.....	.....	2,922
Castings .....	.....	.....	.....	105	105
TOTAL PIG IRON ...	52,777	1,204	.....	105	54,086
TOTAL FERRO-ALLOYS	2,830	.....	.....	659	3,489

Table I (c) - TOTAL for the eight months ending AUGUST, 1921.

PIG IRON:					
Basic	307,948	254	.....	.....	308,202
Foundry	32,949	42,977	222	.....	76,148
Malleable	7,837	20,976	.....	.....	28,813
Castings .....	.....	.....	.....	285	285
TOTAL PIG IRON ...	348,734	64,207	222	285	413,448
TOTAL FERRO-ALLOYS	9,583	167	.....	8,034	17,784

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	43	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	53
March	93	86	82	69	60
April	90	93	83	77	39
May	97	94	74	87	56
June	89	92	59	80	55
July	83	98	54	84	54
August	90	86	60	93	50
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 413
MONTHLY AVERAGE	87	89	68	81	To date 52

STEEL INGOTS AND CASTINGS

This month's production of steel ingots and castings, totalling 72,023 long tons, is the highest since November, 1920, being nearly ten thousand tons more than the amount produced in June, the previous record month of this year. The output of steel ingots showed an increase of 25% or 17,698 tons over that of last month. Basic open hearth steel accounted for the increase, this month's total being 70,088 tons as compared with 52,111 tons in July, all of which was made by the producing firms for further use in their own plants. There was a falling off in the output of electric steel ingots, 246 tons being produced in August as against 523 tons in July.

The production of direct steel castings during August amounted to 1,684 tons which was an increase of 347 tons over July's total. Basic open hearth steel castings continued the advance made in July by rising to a higher level, 770 tons being produced as compared with 630 tons in July and 389 tons in June. The quantity produced for sale was 483 tons this month and 445 tons last month, while that made for further use, totaled 287 tons in August and only 185 tons in July. Electric steel castings increased 204 tons, the total for the month being 812 tons and for last month 608 tons.

Converter steel castings produced during the month amounted to 102 tons or three tons more than last month's total. The small percentage, 6% (6 tons) was made for further use by the producing firms, while the balance, 96 tons was made for sale.

The record production of steel during the current month raises the average monthly production from 50,000 tons to nearly 53,000 tons. The average for the first four months of the present year was 45,000 tons, while that for May, June, July and August is 25% higher, or 60,000 tons. It will be noted, by examining "Table 4(b)" that the greatest production of steel during the first eight months of 1920 occurred in August.

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	52,111	-----	52,111	70,088	-----	70,088
Acid	-----	-----	-----	-----	-----	-----
Bessemer	4	3	7	2	3	5
Electric	446	77	523	241	5	246
TOTAL STEEL INGOTS	52,561	80	52,641	70,331	8	70,339
STEEL CASTINGS:						
Open Hearth-Basic	185	445	630	287	483	770
Acid	-----	-----	-----	-----	-----	-----
Bessemer	10	89	99	6	96	102
Electric	277	331	608	64	748	812
TOTAL DIRECT STEEL CASTINGS	472	865	1,337	357	1,327	1,684
GRAND TOTAL	53,033	945	53,978	70,688	1,335	72,023

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the EIGHT MONTHS ending AUGUST, 1921.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	403,038	-----	403,038
Acid	239	-----	239
Bessemer	32	50	82
Electric	1,462	660	2,122
TOTAL STEEL INGOTS	404,771	710	405,481
STEEL CASTINGS:			
Open Hearth-Basic	858	2,351	3,209
Acid	4	252	256
Bessemer	202	988	1,190
Electric	2,083	8,922	11,005
TOTAL DIRECT STEEL CASTINGS	3,147	12,513	15,660
GRAND TOTAL	408,118	13,223	421,141

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	64
July	124	147	66	94	54
August	130	152	54	105	72
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	421
MONTHLY AVERAGE	130	140	77	92 To date	53

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