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OTTAWA - CANADA

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

JULY, 1938

AUG 23 1938

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PIG IRON - July production of pig iron in Canada at 51,238 tons was the lowest for any month of the year to date. In June the output amounted to 64,375 tons and in July of a year ago to 79,736 tons.

During the current month, 89,744 long tons of iron ore, 49,756 short tons of coke and 23,399 short tons of limestone were charged to iron blast furnaces in Canada, making total charges for the first seven months of this year of 805,616 tons of ore, 450,537 tons of coke and 228,780 tons of limestone. From these materials a total of 455,396 tons of pig iron was produced. In the first seven months of last year output totalled 503,680 tons.

FERRO-ALLOYS - Output of ferro-alloys amounted to 4,129 tons during July compared with 4,068 tons in the previous month and 6,285 tons in July, 1937. Ferro-silicon made up the bulk of this month's tonnage, the balance being spiegeleisen.

STEEL INGOTS AND CASTINGS - The July production of steel ingots and direct steel castings amounting to 83,927 tons was 23 per cent less than the total of 109,401 tons made in the previous month and 32 per cent under the 122,968 tons reported for July, 1937. The decline from June was altogether in the ingot grade which fell off to 78,748 tons from 103,666 tons.

During the first seven months of this year, 754,668 tons of steel were produced against 836,145 tons made during the corresponding period of last year.

PRICES - Subsequent to marked reductions and base changes in the United States, Canadian prices of iron and steel products were also revised downward. The greatest losses occurred in pig iron which dropped \$3.00 and steel billets which fell \$4.00 per ton between June and July. Demand for iron and steel products showed little change from the previous month. Orders were mostly for small spot tonnages although some good contracts were said to be pending. The Dominion Bureau of Statistics index for Iron and Its Products on the base 1926 = 100 receded from 101.4 in June to 97.8 in July, losses for pig iron, steel billets and rolling mill products outweighing gains for scrap iron and steel. No. 1 foundry pig iron, f.o.b. sellers' works, declined from \$25.50 in June to \$22.50 per long ton in July.

UNITED STATES - According to the "Iron Age" the production of pig iron in the United States during July averaged 38,767 tons a day, a gain of 9.5 per cent over the 35,400 tons of June. During the month one furnace was blown out and eight were put in blast, a net gain of seven active furnaces.

(a) PIG IRON and FERRO-ALLOYS.

Table 1 - PRODUCTION DURING JULY and JUNE, 1938. (Tons of 2,240 pounds)

	JULY, 1938			JUNE, 1938		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON -</u>						
Basic .....	45,658	...	45,658	47,483	321	47,804
Foundry .....	...	149	149	...	9,624	9,624
Malleable .....	...	5,431	5,431	...	6,947	6,947
TOTAL .....	45,658	5,580	51,238	47,483	16,892	64,375
Ferro-alloys .....	...	4,129	4,129	...	4,068	4,068

Table 2 - CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ENDING JULY, 1938 and 1937.  
(Tons of 2,240 pounds)

	1938				1937			
	1	9	3	8	1	9	3	7
	For own use	For sale	TOTAL		For own use	For sale	TOTAL	
<u>PIG IRON -</u>								
Basic .....	376,899	3,946	380,845		392,118	21,138	413,256	
Foundry .....	...	33,887	33,887		40	58,052	58,092	
Malleable .....	582	40,082	40,664		1,642	30,690	32,332	
TOTAL .....	377,481	77,915	455,396		393,800	109,880	503,680	
Ferro-alloys .....	...	37,288	37,288		...	37,903	37,903	

Table 3 - Iron Blast Furnace Charges during JULY, JUNE, and YEAR TO DATE

	Unit	JULY	JUNE	YEAR TO DATE
Imported iron ore .....	long ton	89,744	109,721	805,616
Coke .....	short ton	49,756	62,849	450,537
Limestone .....	short ton	23,399	30,436	228,780

(b) STEEL INGOTS and CASTINGS

Table 4 - PRODUCTION FOR JULY and JUNE, 1938. (Tons of 2,240 pounds)

	JULY, 1938			JUNE, 1938		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS -</u>						
Open hearth - Basic .....	75,151	...	75,151	99,554	...	99,554
Electric .....	3,597	...	3,597	4,112	...	4,112
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS .....	78,748	...	78,748	103,666	...	103,666
<u>STEEL CASTINGS -</u>						
Open hearth - Basic .....	107	1,538	1,645	175	1,947	2,122
Bessemer .....	...	61	61	...	33	33
Electric .....	424	3,049	3,473	245	3,335	3,580
TOTAL DIRECT STEEL CASTINGS .....	531	4,648	5,179	420	5,315	5,735
GRAND TOTAL .....	79,279	4,648	83,927	104,086	5,315	109,401



Table 5 - CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ending JULY, 1938 and 1937.

	1	9	3	8	1	9	3	7
	For own	For		TOTAL	For own	For		TOTAL
	use	sale			use	sale		
STEEL INGOTS -								
Open hearth - Basic .....	680,974	247		681,221	759,935	160		760,095
Electric .....	37,494	...		37,494	34,345	...		34,345
Other .....	...	...		...	...	...		...
TOTAL STEEL INGOTS .....	718,468	247		718,715	794,280	160		794,440
STEEL CASTINGS -								
Open hearth - Basic .....	1,164	11,372		12,536	1,344	15,238		16,582
Bessemer .....	...	388		388	...	579		579
Electric .....	4,341	18,688		23,029	3,847	20,697		24,544
TOTAL DIRECT STEEL								
CASTINGS .....	5,505	30,448		35,953	5,191	36,514		41,705
GRAND TOTAL .....	723,973	30,695		754,668	799,471	36,674		836,145

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS and CASTINGS IN CANADA, 1916 - 1937. (In 1000's of long tons)

Year	Monthly Average		Year	Monthly Average	
	Iron	Steel		Iron	Steel
1916 .....	87	106	1927 .....	59	76
1917 .....	87	130	1928 .....	86	103
1918 .....	89	140	1929 .....	91	115
1919 .....	68	77	1930 .....	62	84
1920 .....	81	92	1931 .....	36	56
1921 .....	50	56	1932 .....	12	29
1922 .....	32	40	1933 .....	19	34
1923 .....	73	74	1934 .....	34	63
1924 .....	49	54	1935 .....	50	78
1925 .....	48	63	1936 .....	56	93
1926 .....	63	64	1937 .....	75	117

Table 7 - PRODUCTION OF PIG IRON, BY MONTHS and BY PROVINCES, and STEEL INGOTS and CASTINGS, by MONTHS, 1937 and 1938. (In 1000's of long tons)

Month	P I G		I R O N		S T E E L	
	NOVA SCOTIA	ONTARIO	TOTAL CANADA	TOTAL CANADA	TOTAL CANADA	TOTAL CANADA
	1937	1938	1937	1938	1937	1938
January .....	28	29	38	46	66	75
February .....	25	24	37	37	62	61
March .....	29	28	42	38	71	66
April .....	28	28	40	38	68	66
May .....	27	29	51	43	78	72
June .....	27	19	51	45	78	64
July .....	26	13	54	38	80	51
TOTAL FOR SEVEN MONTHS.	190	170	313	285	503	455
August .....	26		49		75	
September .....	26		50		76	
October .....	25		56		81	
November .....	27		54		81	
December .....	28		53		81	
TOTAL FOR YEAR .....	322		575		897	
SEVEN MONTHS' AVERAGE .	27	24	45	41	72	65



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Table 8 - IRON BLAST FURNACES IN CANADA, 1937.

Names of companies	Location of furnaces	Number of stacks	Total Daily Capacity
			(Long tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, N.S.	3	1,200
Canadian Furnace Limited	Port Colborne, Ont.	1	350
The Steel Company of Canada, Limited	Hamilton, Ont.	2	825
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	4	1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF JULY, 1938.

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast .....	4	1,825	46
Banked .....	...	...	...
Blown out .....	6	2,150	54
Total Furnaces Reporting ..	10	3,975	100

**NOTE** - Figures in this report are the latest available at time of printing.  
Where necessary, data for earlier months have been revised.