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PRODUCTION OF IRON AND STEEL IN CANADA

AUGUST, 1933.

PIG IRON producers in Canada reported August output at 35,233 long tons which was the highest monthly tonnage since July, 1931, and compares with 31,689 tons in the previous month and 5,992 tons in August of a year ago. The figures for the month under review included 20,742 tons of basic iron made for the further use of the reporting firms, 10,540 tons of basic iron made for sale, and 3,951 tons of malleable iron made for sale.

Furnace charges during the month included 60,798 long tons of imported iron ore, 18,821 short tons of limestone, and 36,613 short tons of coke. Of the limestone, 4,114 tons were quarried in Canada, and of the coke 27,509 tons were carbonized in Canada including 18,290 tons from Canadian coal.

For the eight months ending August 31, 1933, a total of 103,132 long tons of pig iron were produced in Canada. During the corresponding period of 1932 output amounted to 90,510 tons and in 1931 to 362,737 tons.

FERRO-ALLOYS - Ferro-alloys production in Canada during August at 1,796 tons represented an increase of 42 per cent over the 1,266 tons of July and 106 per cent over the 871 tons reported for August, 1932. This month's output consisted mostly of spiegeleisen along with a small tonnage of ferrosilicon.

STEEL INGOTS AND CASTINGS - Production of 48,659 tons of steel ingots and direct steel castings in Canada during August showed little change from the 49,076 tons reported for July. The August figure included 46,979 tons of ingots, all of which were made for the further use of the reporting firms, and 1,680 tons of castings, most of which were made for sale.

For the eight months ending August the cumulative production of steel ingots and castings amounted to 228,199 tons as compared with 234,704 tons and 559,465 tons in the corresponding periods of 1932 and 1931, respectively.

PRICES - A general improvement in demand, accompanied by slightly higher prices, was recorded for iron and steel products during August. Current demand continued to be for small spot tonnages, with the bulk of orders for mines or repair purposes. The Dominion Bureau of Statistics index number of wholesale prices on the base 1926 = 100, rose fractionally from 84.2 to 84.5, due principally to higher quotations for steel tank plates and automobile body plates. Quotations for No. 1 and No. 2 foundry pig iron, delivered at Montreal and Toronto, were the same as in July. The former was quoted at \$22.00 and \$20.50 per gross ton, and the latter at \$22.00 and \$20.00 per gross ton, for these respective centres.

UNITED STATES - In the United States the output of pig iron during August averaged 59,142 tons a day to show a gain of 2.2 per cent over the July average of 57,821 tons a day. During the month 5 furnaces were blown in and 13 were blown out or banked, a net loss of 8 active furnaces on September 1 as compared with August 1.

(a) PIG IRON AND FERRO-ALLOYS IN CANADA

Table 1 - PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2,240 lb.)

Item	AUGUST, 1933			JULY, 1933		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
In blast furnace:-						
Basic	20,742	10,540	31,282	22,747	1,409	24,156
Foundry .....	...	...	...	...	4,222	4,222
Malleable .....	...	3,951	3,951	...	3,311	3,311
TOTAL	20,742	14,491	35,233	22,747	8,942	31,689
Ferro-alloys .....	...	1,796	1,796	...	1,266	1,266

Table 2 - CUMULATIVE PRODUCTION FOR THE EIGHT MONTHS ENDING AUGUST (Tons of 2,240 lb.)

Item	1 9 3 3			1 9 3 2		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
In blast furnace:-						
Basic	77,949	11,949	89,898	55,627	...	55,627
Foundry .....	...	4,722	4,722	111	20,946	21,057
Malleable .....	...	8,512	8,512	...	13,826	13,826
TOTAL	77,949	25,183	103,132	55,738	34,772	90,510
Ferro-alloys .....	...	9,162	9,162	...	10,522	10,522

Table 3 - BLAST FURNACE CHARGES, AUGUST, JULY, AND YEAR TO DATE, 1933

		AUGUST, 1933	JULY, 1933	YEAR TO DATE
Imported iron ore	long ton	60,798	53,539	177,050
Canadian limestone	short ton	4,114	3,014	7,128
Imported limestone	short ton	14,707	14,165	51,039
Coke made in Canada -				
From Canadian coal	short ton	18,290	17,605	64,167
From imported coal	short ton	9,219	7,872	28,164
Imported coke	short ton	9,104	8,604	18,777

(b) STEEL INGOTS AND DIRECT CASTINGS

Table 4 - PRODUCTION FOR THE CURRENT MONTH AND PRECEDING MONTH (Tons of 2,240 lb.)

Item	AUGUST, 1933			JULY, 1933		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	45,630	...	45,630	46,983	...	46,983
Acid .....	...	...	...	...	...	...
Electric	1,349	...	1,349	1,007	...	1,007
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS	46,979	...	46,979	47,990	...	47,990
<u>STEEL CASTINGS</u>						
Open hearth - Basic	53	564	617	42	276	318
Acid .....	...	...	...	...	...	...
Bessemer	1	23	24	...	10	10
Electric	30	1,009	1,039	35	723	758
TOTAL DIRECT STEEL CASTINGS	84	1,596	1,680	77	1,009	1,086
GRAND TOTAL	47,063	1,596	48,659	48,067	1,009	49,076

Table 5 - CUMULATIVE PRODUCTION FOR THE EIGHT MONTHS ENDING AUGUST

Item	1 9 3 3			1 9 3 2		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	206,180	30	206,210	213,105	619	213,724
Acid .....	...	...	...	...	...	...
Electric	11,547	...	11,547	12,819	...	12,819
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS	217,727	30	217,757	225,924	619	226,543
<u>STEEL CASTINGS</u>						
Open hearth - Basic	152	3,104	3,256	360	1,678	2,038
Acid .....	...	...	...	...	...	...
Bessemer	8	151	159	66	604	670
Electric	234	6,793	7,027	264	5,189	5,453
TOTAL DIRECT STEEL CASTINGS	394	10,048	10,442	690	7,471	8,161
GRAND TOTAL	218,121	10,078	228,199	226,614	8,090	234,704

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS IN CANADA, 1916 - 1931. (In 1000's of Long Tons)

Years	Monthly Average		Years	Monthly Average	
	Iron	Steel		Iron	Steel
1916	87	106	1924	49	54
1917	87	130	1925	48	63
1918	89	140	1926	63	64
1919	68	77	1927	59	76
1920	81	92	1928	86	103
1921	50	56	1929	91	115
1922	32	40	1930	62	84
1923	73	74	1931	36	56

Table 7 - PRODUCTION OF PIG IRON BY MONTHS AND BY PROVINCES, AND STEEL INGOTS AND CASTINGS BY MONTHS IN CANADA, 1932 and 1933. (In 1000's of Long Tons)

Months	NOVA SCOTIA		ONTARIO		TOTAL CANADA		TOTAL CANADA	
	1932	1933	1932	1933	1932	1933	1932	1933
January .....	...	16	10	13	10	29	25	41
February .....	...	6	11	...	11	6	28	12
March .....	...	...	18	...	18	...	44	11
April .....	...	...	17	...	17	...	36	12
May .....	...	...	13	...	13	...	29	23
June .....	...	1	8	...	8	1	18	32
July .....	...	16	7	16	7	32	28	49
August .....	...	16	6	19	6	35	27	49
September .....	...	...	6	...	6	...	23	...
October .....	...	...	7	...	7	...	17	...
November	14	...	...	...	14	...	37	...
December	16	...	11	...	27	...	31	...
TOTAL	30	55	114	48	144	103	343	229
MONTHLY AVERAGE .	2	7	10	6	12	13	29	29

Table 8 - BLAST FURNACES IN CANADA, 1933.

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long tons)
British Empire Steel Corp. Ltd.	Sydney, N.S.	4	1,450
Canadian Furnace Co. Ltd.	Port Colborne, Ont.	1	350
The Steel Company of Canada, Ltd.	Hamilton, Ont.	2	825
Algoma Steel Corp. Ltd.	Sault Ste. Marie, Ont.	4	1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF AUGUST, 1933.

Condition of furnace	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	3	1,175	28
Banked	1	450	11
Blown out	7	2,600	61
TOTAL FURNACES REPORTING	11	4,225	100

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

