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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

NOVEMBER, 1938

PIG IRON - Production of 46,216 tons of pig iron in November was the lowest reported for any month since August 1936 when 38,570 tons were made. This month's output included 33,755 tons of basic iron, 8,174 tons of foundry iron and 4,287 tons of malleable iron and compares with a total of 50,657 tons made in the previous month and 81,463 tons in November 1937.

During the month 78,845 long tons of iron ore, 44,586 short tons of coke and 21,272 short tons of limestone were charged to iron blast furnaces in Canada to make a total charge for the first eleven months of this year of 1,144,538 tons of ore, 645,263 tons of coke and 322,692 tons of limestone. From these charges a total of 651,718 tons of pig iron was produced, the comparative figures for the corresponding period in other years amounting to 816,823 tons in 1937 and 610,173 tons in 1936.

FERRO-ALLOYS - Output of ferro-alloys at 5,999 tons in November compares with 2,194 tons in October and 6,302 tons in November 1937. The tonnage for November was composed of spiegeleisen and ferrosilicon.

STEEL INGOTS AND CASTINGS - November production of steel ingots and castings amounted to 90,120 tons and included 87,530 tons of ingots and 2,590 tons of direct castings. Compared with the 76,256 tons of October the figures for this month showed an increase of 18 per cent.

For the eleven months ending November the cumulative production of 1,077,381 tons compares with 1,302,677 tons and 1,010,598 tons made in the corresponding periods of 1937 and 1936, respectively.

PRICES - More active demand for iron and steel products was accompanied by several price increases during November. Light cold rolled sheets which had suffered a severe break in the United States market in October moved back to former levels. Canadian orders for all iron and steel products were of fair volume with the building trades furnishing moderate support. The auto industry also showed higher operating schedules with increased iron and steel requirements and airplane contracts approximating ten million dollars awarded during the month pointed to additional demand from this quarter. The Dominion Bureau of Statistics index number of wholesale prices of Iron and Its Products on the base 1926=100, rose from 98.1 in October to 98.2 in November, due chiefly to higher prices for light cold rolled sheets and tank plates. Prices of No. 1 foundry pig iron delivered at Toronto remained unchanged at \$23.00 per long ton.

UNITED STATES - In the United States the November Production of pig iron averaged 75,666 tons a day, an increase of 14.3 per cent over the October daily rate of 66,203 tons. During the month 8 furnaces were put in blast and 2 blown out or banked, a net gain of 6 active stacks.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING NOVEMBER AND OCTOBER, 1938			(Tons of 2,240 pounds)			
NOVEMBER, 1938			OCTOBER, 1938			
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON</u>						
Basic	33,445	310	33,755	33,597	1,943	35,540
Foundry .....	...	8,174	8,174	...	13,416	13,416
Malleable .....	...	4,237	4,287	...	1,701	1,701
TOTAL	33,445	12,771	46,216	33,597	17,060	50,657
Ferro-alloys .....	...	5,999	5,999	...	2,194	2,194

Table 2 CUMULATIVE PRODUCTION FOR THE ELEVEN MONTHS ending NOVEMBER, 1938 and 1937.
(Tons of 2,240 pounds)

Tons of 2,240 pounds						
	1938			1937		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON</u>						
Basic	507,202	14,629	521,831	619,598	39,273	658,871
Foundry .....	...	72,359	72,359	72	91,921	91,993
Malleable	582	56,946	57,528	1,867	64,092	65,959
TOTAL	507,784	143,934	651,718	621,537	195,286	816,823
Ferro-alloys .....	...	50,512	50,512	...	69,442	69,442

Table 3 IRON BLAST FURNACE CHARGES DURING NOVEMBER, OCTOBER, and YEAR TO DATE.

	Unit	NOVEMBER	OCTOBER	YEAR TO DATE
Imported iron ore	Long ton	78,845	87,627	1,144,538
Coke	Short ton	44,586	49,247	645,263
Limestone	Short ton	21,272	23,235	322,692

(b) STEEL INGOTS and CASTINGS

Table 4 PRODUCTION FOR NOVEMBER AND OCTOBER, 1938. (Tons of 2,240 pounds)

	NOVEMBER, 1938			OCTOBER, 1938		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS						
Open hearth - Basic ..	84,057	54	84,111	70,213	...	70,213
Electric	3,419	...	3,419	3,744	...	3,744
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS ..	87,476	54	87,530	73,957	...	73,957
STEEL CASTINGS						
Open hearth - Basic ..	130	265	395	97	280	377
Bessemer .....	...	56	56	...	61	61
Electric	569	1,570	2,139	353	1,508	1,861
TOTAL DIRECT STEEL CASTINGS	699	1,891	2,590	450	1,849	2,299
GRAND TOTAL	88,175	1,945	90,120	74,407	1,849	76,256

Table 5 - CUMULATIVE PRODUCTION FOR THE ELEVEN MONTHS ENDING NOVEMBER, 1938 and 1937.

	1 9 3 8			1 9 3 7		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic .	976,582	301	976,883	1,185,186	266	1,185,452
Electric	52,578	...	52,578	54,739	28	54,767
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS .	1,029,160	301	1,029,461	1,239,925	294	1,240,219
STEEL CASTINGS -						
Open hearth - Basic .	1,571	13,612	15,183	2,081	20,551	22,635
Bessemer .....	...	602	602	...	921	921
Electric	5,859	26,276	32,135	4,539	34,363	38,902
TOTAL DIRECT STEEL CASTINGS	7,430	40,490	47,920	6,620	55,838	62,458
GRAND TOTAL	1,036,590	40,791	1,077,381	1,246,545	56,132	1,302,677

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	
	Pig Iron	Steel		Pig 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	PIG IRON						S T E E L	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		TOTAL CANADA	
	1937	1938	1937	1938	1937	1938	1937	1938
January	28	29	38	46	66	75	115	113
February	25	24	37	37	62	61	112	99
March	29	28	42	38	71	66	125	119
April	28	28	40	38	68	66	121	116
May	27	29	51	43	78	72	121	115
June	27	19	51	45	78	64	119	109
July	26	13	54	38	80	51	123	84
August	26	14	49	36	75	50	127	83
September	26	13	50	37	76	50	115	74
October	25	16	56	35	81	51	115	76
November	27	15	54	31	81	46	111	90
TOTAL FOR ELEVEN MONTHS	294	228	522	424	816	652	1,304	1,077
December	28		53		81		98	
TOTAL FOR YEAR	322		575		897		1,402	



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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, Ontario	2	825
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	4	1,600

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

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	5	2,175	55
Banked .....	...	...	...
Blown out	5	1,800	45
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.