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OTTAWA - CANADA

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PRODUCTION OF IRON AND STEEL IN CANADA

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NOVEMBER, 1935.

PIG IRON - Production of pig iron in Canada at 64,562 tons in November was the highest reported for any month since July, 1930. This month's total was 42 per cent over the 45,521 tons of October and 66 per cent greater than the 38,968 tons made in November of a year ago.

Compared with the figures for October, data for the month under review showed an advance in the basic grade to 43,652 tons from 35,833 tons; in the foundry grade to 13,588 tons from 3,043 tons, and in malleable iron to 7,322 tons from 6,645 tons.

Furnace charges during the month included 111,541 long tons of imported iron ore, 31,088 short tons of limestone, and 63,866 short tons of coke. Of the limestone 8,610 tons were quarried in Canada, and 53,953 tons of coke were carbonized in this country including 27,731 tons from Canadian coal. For the first eleven months of this year iron blast furnaces in Canada used 916,558 tons of ore, 245,499 tons of limestone and 510,423 tons of coke and from these charges 529,147 tons of pig iron were produced.

FERRO-ALLOYS - Output of ferro-alloys amounted to 4,693 tons in November to make a total of 52,213 tons for the year to date. Spiegeleisen accounted for over 40 per cent of this month's tonnage, the balance being ferrosilicon and ferromanganese.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings in Canada averaged 3,136 tons a day in November to make a total of 94,074 tons, a gain of 2.3 per cent in the daily rate over the previous month's average of 3,065 tons. In October the total was 95,016 tons and in November of last year it amounted to 57,050 tons.

For the eleven months ending November 30, 1935, the cumulative production of steel ingots and castings totalled 836,794 tons, as compared with 700,197 tons and 358,424 tons in the corresponding periods of 1934 and 1933, respectively.

PRICES - Firm prices and a considerable gain in the volume of business done, featured the Canadian iron and steel market in November. Operations of foundries and steel mills expanded and reached the highest levels since 1929. Sales of merchant pig iron increased and demand for steel sheets was decidedly heavy with some mills unable to furnish immediate deliveries. The Dominion Bureau of Statistics index number of wholesale prices of "Iron and Its Products" on the base 1926 = 100, was unchanged at 87.2. Quotations for pig iron were the same as in the previous month. No. 1 foundry was \$23.00 per gross ton delivered at Montreal and \$21.50 per gross ton delivered at Toronto. No. 2 foundry was quoted at \$22.50 and \$21.00 per gross ton delivered at these respective centres.

UNITED STATES - Production of coke pig iron in the United States during November averaged 68,864 tons a day, an increase of 7.9 per cent over the October rate of 63,820 tons. During the month 7 furnaces were blown in and 1 banked, a net gain of 6 active furnaces.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - Production during NOVEMBER and OCTOBER, 1935.			(Tons of 2,240 lb.)			
Item	NOVEMBER, 1935			OCTOBER, 1935		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
Pig Iron -						
Basic	43,652	...	43,652	35,833	...	35,833
Foundry .....	...	13,588	13,588	...	3,043	3,043
Malleable .....	...	7,322	7,322	...	6,645	6,645
TOTAL	43,652	20,910	64,562	35,833	9,688	45,521
Ferro-alloys .....	...	4,693	4,693	...	9,653	9,653

Table 2 - Cumulative Production for the ELEVEN MONTHS ending NOVEMBER, 1935 and 1934.
(Tons of 2,240 lb.)

Item	1935			1934		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>Pig Iron -</u>						
Basic	399,077	13,271	412,348	275,227	10,767	285,994
Foundry .....	...	60,576	60,576	49	45,015	45,064
Malleable .....	...	56,223	56,223	...	33,573	33,573
TOTAL	399,077	130,070	529,147	275,276	89,355	364,631
Ferro-alloys .....	...	52,213	52,213	...	29,444	29,444

Table 3 - Iron Blast Furnace Charges, NOVEMBER, OCTOBER, and YEAR TO DATE, 1935.

	NOVEMBER 1935	OCTOBER 1935	YEAR TO DATE
Imported iron ore long tons	111,541	73,656	916,558
Canadian limestone short tons	8,610	7,909	81,783
Imported limestone short tons	22,478	11,929	163,716
Coke made in Canada -			
From Canadian coal short tons	27,731	13,564	207,888
From imported coal short tons	26,222	24,692	254,638
Imported coke short tons	9,913	3,068	47,897

(b) STEEL INGOTS AND DIRECT CASTINGS

Table 4 - Production for NOVEMBER and OCTOBER, 1935. (Tons of 2,240 lb.)

Item	NOVEMBER, 1935			OCTOBER, 1935		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	87,676	53	87,729	87,750	...	87,750
Electric	2,895	...	2,895	3,571	...	3,571
Other .....	...	...	...	...	...	...
Total Steel Ingots	90,571	53	90,624	91,321	...	91,321
<u>STEEL CASTINGS</u>						
Open hearth - Basic	165	1,091	1,256	168	847	1,015
Bessemer .....	...	44	44	...	65	65
Electric	64	2,086	2,150	251	2,364	2,615
Total Direct Steel Castings ..	229	3,221	3,450	419	3,276	3,695
GRAND TOTAL	90,800	3,274	94,074	91,740	3,276	95,016

Table 5 - Cumulative Production for the ELEVEN MONTHS ending NOVEMBER, 1935 and 1934.

Item	1935			1934		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	778,458	763	779,221	659,834	162	659,996
Electric	29,493	...	29,493	21,207	...	21,207
Other .....	...	...	...	...	...	...
Total Steel Ingots	807,951	763	808,714	681,041	162	681,203
<u>STEEL CASTINGS</u>						
Open hearth - Basic	1,441	6,565	8,006	1,100	4,794	5,894
Bessemer .....	...	539	539	...	475	475
Electric	2,823	16,712	19,535	713	11,902	12,615
Total Direct Steel Castings ..	4,264	23,816	28,080	1,813	17,171	18,984
GRAND TOTAL	812,215	24,579	836,794	682,854	17,333	700,187

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1934. (In 1000's of long tons)

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

Table 7 - Production of Pig Iron by Months and by Provinces, and Steel Ingots and Castings, by Months, in Canada, 1934 and 1935. (In 1000's of long tons)

Months	P I G I R O N				S T E E L			
	NOVA SCOTIA		ONTARIO		TOTAL	CANADA: TOTAL CANADA		
	1934	1935	1934	1935	1934	1935	: 1934	1935
January	12	17	19	27	31	44	61	60
February .....	..	16	12	21	12	37	58	56
March .....	...	17	12	28	12	45	73	58
April .....	..	16	27	27	27	43	70	69
May	9	16	29	29	38	45	71	73
June	15	15	22	30	37	45	64	73
July	15	17	22	34	37	51	67	86
August	16	17	26	37	42	54	64	82
September	17	17	26	37	43	54	57	91
October	18	11	29	35	47	46	58	95
November	16	23	23	42	39	65	57	94
December	17		25		42		59	
TOTAL	135	182	272	347	407	529	759	837
Monthly Average	11	17	23	31	34	48	63	76

Table 8 - Iron Blast Furnaces in Canada, 1935.

Names of companies	Location of furnaces	Number of stacks	Total Daily Capacity (Long tons)
Dominion Steel & Coal 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 Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600

Table 9 - Description of Furnaces at end of NOVEMBER, 1935.

Condition of Furnace	Number of furnaces	TOTAL DAILY CAPACITY	
		Long tons	Per cent
In blast	5	2,200	52
Banked .....	..	...	...
Blown out	6	2,025	48
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.