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DEPARTMENT OF TRADE AND COMMERCE
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OTTAWA - CANADA

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

NOVEMBER, 1937

PIG IRON production in November established a record for the year to date at 81,463 tons which was the greatest tonnage reported for any month since January, 1930, when 87,079 tons were made. The November total was only slightly above the 80,922 tons made in the previous month but was 10 per cent over the 74,337 tons reported for November, 1936. Output in the current month included 65,233 tons of basic iron, 5,990 tons of foundry iron, and 10,240 tons of malleable iron.

Furnace charges during the month included 135,288 long tons of iron ore, 38,411 short tons of limestone, and 77,377 short tons of coke. For the first eleven months of this year a total of 1,480,178 tons of ore, 429,487 tons of limestone, and 814,707 tons of coke were charged to iron blast furnaces in Canada to make 816,823 tons of pig iron.

FERRO-ALLOYS - Output of ferro-alloys amounted to 6,302 tons in November against 7,604 tons in October and 5,950 tons in November of a year ago. Production in the current month consisted of ferrosilicon, ferromanganese, and spiegeleisen, named in order of tonnage made.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings fell off slightly during November to 110,688 tons compared with 114,527 tons in the previous month but showed considerable improvement over the 98,534 tons made in the corresponding month of last year. Included in the figures for this month were 106,373 tons of ingots and 4,315 tons of castings.

During the first eleven months of this year a total of 1,302,677 tons of primary steel were produced in Canada against 1,010,598 tons and 836,794 tons made in the corresponding periods of 1936 and 1935, respectively.

PRICES - Demand for iron and steel products remained steady and prices generally were firm but scrap quotations eased subsequent to heavy purchases from railways. Less difficulty in obtaining delivery was apparent than for some time past but unfilled orders were regarded as sufficient to maintain mill operations at around the present levels till the close of the year. Current operating schedules were responsible for substantial orders of raw materials. The Dominion Bureau of Statistics index of wholesale prices of Iron and Its Products, on the base 1926 = 100, fell from 105.1 in October to 104.2 in November, largely because of lower quotations for scrap. Foundry pig iron delivered at Montreal and Toronto were unchanged. No. 1 foundry was quoted at \$27.00 at Montreal and at \$26.00 per long ton at Toronto. No. 2 foundry was \$26.50 and \$25.50 per long ton at these respective centres.

UNITED STATES - In the United States the November rate of pig iron production at 66,891 tons a day was 28.3 per cent less than the 93,311 tons made in October. During the month there was a loss of 38 active furnaces, 40 furnaces being blown out or banked and only 2 blown in.

(a) PIG IRON and FERRO-ALLOYS

Table 1 - Production during NOVEMBER and OCTOBER, 1937. (Tons of 2,240 pounds)

	NOVEMBER, 1937			:	OCTOBER, 1937		
	For own use	For sale	TOTAL	:	For own use	For sale	TOTAL
<u>PIG IRON</u> -							
Basic	59,434	5,799	65,233		54,269	3,106	57,375
Foundry	32	5,958	5,990		...	13,095	13,095
Malleable	225	10,015	10,240		...	10,452	10,452
TOTAL	59,691	21,772	81,463		54,269	26,653	80,922
Ferro-alloys .....	...	6,302	6,302		...	7,604	7,604

Table 2 - Cumulative Production for the ELEVEN MONTHS ending NOVEMBER, 1937 and 1936. (Tons of 2,240 pounds)

	1937				:	1936			
	1	9	3	7	:	1	9	3	6
	For own use	For sale	TOTAL		:	For own use	For sale	TOTAL	
<u>PIG IRON</u> -									
Basic	619,598	39,273	658,871			456,689	17,222	473,911	
Foundry	72	91,921	91,993			1,300	80,257	81,557	
Malleable	1,867	64,092	65,959			1,997	52,708	54,705	
TOTAL	621,537	195,286	816,823			459,986	150,187	610,173	
Ferro-alloys .....	...	69,442	69,442			...	67,290	67,290	

Table 3 - Iron Blast Furnace Charges during NOVEMBER and OCTOBER and YEAR TO DATE, 1937.

		NOVEMBER	OCTOBER	YEAR TO DATE
Imported iron ore	long tons	135,288	142,193	1,480,178
Canadian limestone	short tons	16,323	15,564	144,708
Imported limestone	short tons	22,088	25,734	284,779
Coke made in Canada -				
From Canadian coal	short tons	28,852	29,015	322,987
From imported coal	short tons	48,525	51,444	445,901
Imported coke	short tons	...	...	45,819

(b) STEEL INGOTS AND CASTINGS.

Table 4 - Production for NOVEMBER and OCTOBER, 1937. (Tons of 2,240 pounds)

	NOVEMBER, 1937			:	OCTOBER, 1937		
	For own	For		:	For own	For	
	use	sale	TOTAL	:	use	sale	TOTAL
<hr/>							
<u>STEEL INGOTS -</u>							
Open hearth - Basic ...	100,076	...	100,076		104,981	...	104,981
Electric	6,297	...	6,297		4,987	28	5,015
Other
TOTAL STEEL INGOTS ...	106,373	...	106,373		109,968	28	109,996
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<u>STEEL CASTINGS -</u>							
Open hearth - Basic ...	192	848	1,040		215	771	986
Bessemer	110	110		...	63	63
Electric	308	2,857	3,165		32	3,450	3,482
TOTAL DIRECT STEEL							
CASTINGS	500	3,815	4,315		247	4,284	4,531
GRAND TOTAL	106,873	3,815	110,688		110,215	4,312	114,527

Table 5 - Cumulative Production for the ELEVEN MONTHS ending NOVEMBER, 1937 and 1936.

	1	9	3	7	:	1	9	3	6
	For own	For			:	For own	For		
	use	sale		TOTAL	:	use	sale		TOTAL
<u>STEEL INGOTS -</u>									
Open hearth - Basic ...	1,185,186	266		1,185,452		941,406	...		941,406
Electric	54,739	28		54,767		38,663	...		38,663
Other .....	...	...		...		...	...		...
TOTAL STEEL INGOTS ...	1,239,925	294		1,240,219		980,069	...		980,069
<u>STEEL CASTINGS -</u>									
Open hearth - Basic ...	2,081	20,554		22,635		1,249	7,993		9,242
Bessemer .....	...	921		921		...	493		493
Electric	4,539	34,363		38,902		2,987	17,807		20,794
TOTAL DIRECT STEEL									
CASTINGS	6,620	55,838		62,458		4,236	26,293		30,529
GRAND TOTAL	1,246,545	56,132		1,302,677		984,305	26,293		1,010,598

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1936. (In 1000's of long tons)

Years	Monthly Average		Years	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			

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Table 7 - Production of Pig Iron, by Months and by Provinces, and Steel Ingots and Castings, by Months, 1936 and 1937. (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	
	1936	1937	1936	1937	1936	1937	1936	1937
January	18	28	43	38	61	66	100	115
February	21	25	35	37	56	62	94	112
March	22	29	32	42	54	71	101	125
April	23	28	31	40	54	68	107	121
May	27	27	32	51	59	78	95	121
June	27	27	29	51	56	78	82	119
July	12	26	23	54	35	80	69	123
August	11	26	28	49	39	75	80	127
September	15	26	37	50	52	76	86	115
October	26	25	44	56	70	81	98	115
November	28	27	46	54	74	81	99	111
TOTAL - 11 months.	230	294	380	522	610	816	1,011	1,304
December	28		40		68		104	
TOTAL FOR YEAR ...	258		420		678		1,115	
Monthly Average ...	21	27	35	47	56	74	93	118

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	Pt. Colborne, Ont.	1	350
The Steel Company of Canada, Limited	Hamilton, Ont.	2	825
The Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600

Table 9 - Description of Furnaces at end of NOVEMBER, 1937.

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	6	2,525	64
Banked .....	...	...	...
Blown out	4	1,450	36
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.