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DEPARTMENT OF TRADE AND COMMERCE  
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CENSUS OF INDUSTRY  
MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

NOVEMBER, 1936

PIG IRON - Production of pig iron in Canada at 74,337 tons in November was the highest total reported for any month since March, 1930, when 74,582 tons were made. November was the fourth month in succession to show an advance over the next preceding month, comparing with 70,051 tons made in October and 64,562 tons in November, 1935.

Blast furnace charges included 135,232 long tons of imported iron ore, 37,354 short tons of limestone and 71,275 short tons of coke. For the first eleven months of this year, furnace charges totalled 1,090,723 tons of ore, 308,704 tons of limestone and 607,694 tons of coke.

From these charges, 610,173 tons of pig iron were produced against a production of 529,147 tons and 364,631 tons during the corresponding periods of 1935 and 1934, respectively.

FERRO-ALLOYS - Output of ferro-alloys at 5,950 tons in November compares with 5,253 tons in the previous month and 4,693 tons in the corresponding month of a year ago. Included in this month's tonnage were three grades - spiegeleisen, ferromanganese and ferrosilicon.

STEEL INGOTS AND CASTINGS - Production of steel ingots and castings at 98,534 tons during November showed little change from the 98,330 tons of the previous month and the 94,074 tons made in November, 1935. Compared with the figures for October, data for this month showed an advance in the ingot grade to 96,408 tons from 96,067 tons and a decline in castings to 2,126 tons from 2,263 tons.

For the eleven months ending November 30, 1936, the cumulative output of steel at 1,010,598 tons compares with 836,794 tons and 700,187 tons made during the corresponding periods of 1935 and 1934, respectively.

PRICES - Trading in all lines of iron and steel products was active and prices held firm during November. Current demand was chiefly for small spot tonnages but new business showed considerable expansion both for domestic consumers' use and on export account. Mining companies continued to place substantial orders and good demand from the auto manufacturing industry furnished additional support. The Dominion Bureau of Statistics index number of "Iron and Its Products" on the base 1926 = 100, rose from 88.2 in October to 88.3 in November, due chiefly to higher prices for steel sheets. Pig iron quotations were unchanged from the previous month, No. 1 foundry was quoted at \$22.00 per long ton delivered at Montreal and at \$21.50 per long ton delivered at Toronto. No. 2 foundry was \$21.50 and \$22.00 per long ton at these respective centres.

UNITED STATES - In the United States, the November output of pig iron averaged 98,246 tons a day, an increase of 1.8 per cent over the 96,512 tons a day in October. During the month three furnaces were blown out or banked and six blown in, a net gain of three active furnaces.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - Production during NOVEMBER and OCTOBER, 1936. (Tons of 2,240 lb.)						
	NOVEMBER, 1936			OCTOBER, 1936 (x)		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON -</u>						
Basic .....	48,736	11,980	60,716	50,331	4,258	54,589
Foundry .....	...	8,104	8,104	...	14,949	14,949
Malleable .....	...	5,517	5,517	...	513	513
TOTAL .....	48,736	25,601	74,337	50,331	19,720	70,051
Ferro-alloys .....	...	5,950	5,950	...	5,253	5,253

Table 2 - Cumulative Production for the ELEVEN MONTHS ending NOVEMBER, 1936 and 1935. (Tons of 2,240 lb.)								
	1	9	5	6 (x)	1	9	3	5
	For own use	For sale	TOTAL		For own use	For sale	TOTAL	
<u>PIG IRON -</u>								
Basic .....	456,689	17,222	473,911		399,077	13,271	412,348	
Foundry .....	1,300	80,257	81,557		...	60,576	60,576	
Malleable .....	1,997	52,708	54,705		...	56,223	56,223	
TOTAL .....	459,986	150,187	610,173		399,077	130,070	529,147	
Ferro-alloys .....	...	67,290	67,290		...	52,213	52,213	

(x) Revised.

Table 3 - Iron Blast Furnace Charges, NOVEMBER, OCTOBER, and YEAR TO DATE, 1936.				
		NOVEMBER	OCTOBER	YEAR TO DATE
Imported iron ore .....	long tons	135,232	128,351	1,090,723
Canadian limestone .....	short tons	10,567	10,879	108,714
Imported limestone .....	short tons	26,787	25,183	199,990
Coke made in Canada -				
From Canadian coal .....	short tons	29,101	30,700	268,441
From imported coal .....	short tons	31,730	28,781	271,135
Imported coke .....	short tons	10,444	11,096	68,118

(b) STEEL INGOTS AND DIRECT CASTINGS

Table 4 - Production for NOVEMBER and OCTOBER, 1936. (Tons of 2,240 lb.)

	NOVEMBER, 1936			OCTOBER, 1936.		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic .....	92,341	...	92,341	91,661	...	91,661
Electric .....	4,067	...	4,067	4,406	...	4,406
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	96,408	...	96,408	96,067	...	96,067
<u>STEEL CASTINGS</u>						
Open hearth - Basic .....	141	387	528	110	603	713
Bessemer .....	...	34	34	...	112	112
Electric .....	177	1,387	1,564	59	1,379	1,438
Total Direct Steel Castings ...	318	1,808	2,126	169	2,094	2,263
GRAND TOTAL .....	96,726	1,808	98,534	96,236	2,094	98,330

Table 5 - Cumulative Production for the ELEVEN MONTHS ending NOVEMBER, 1936 and 1935.

	1	9	3	6	1	9	3	5
	For own use	For sale	TOTAL		For own use	For sale	TOTAL	
<u>STEEL INGOTS</u>								
Open hearth - Basic .....	941,406	...	941,406		778,458	763	779,221	
Electric .....	38,663	...	38,663		29,493	...	29,493	
Other .....	...	...	...		...	...	...	
Total Steel Ingots .....	980,069	...	980,069		807,951	763	808,714	
<u>STEEL CASTINGS</u>								
Open hearth - Basic .....	1,249	7,993	9,242		1,441	6,565	8,006	
Bessemer .....	...	493	493		...	539	539	
Electric .....	2,987	17,807	20,794		2,823	16,712	19,535	
Total Direct Steel Castings ...	4,236	26,293	30,529		4,264	23,816	28,080	
GRAND TOTAL .....	984,305	26,293	1,010,598		812,215	24,579	836,794	

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1935. (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	1935 .....	50	78



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Table 7 - Production of Pig Iron, by Months and by Provinces, and Steel Ingots and Castings, by Months, 1935 and 1936. (In 1000's of long tons)

Month	PIG		IRON		: S T E E L	
	NOVA SCOTIA	ONTARIO	TOTAL CANADA	TOTAL CANADA	TOTAL CANADA	TOTAL CANADA
	1935	1936	1935	1936	1935	1936
January .....	17	18	27	43	44	61
February .....	16	21	21	35	37	56
March .....	17	22	28	32	45	54
April .....	16	23	27	31	43	54
May .....	16	27	29	32	45	59
June .....	15	27	30	29	45	56
July .....	17	12	34	23	51	35
August .....	17	11	37	28	54	39
September .....	17	15	37	37	54	52
October .....	11	26	35	44	46	70
November .....	23	28	42	46	65	74
December .....	26		45		71	
TOTAL .....	208	230	392	380	600	610
Monthly Average .....	17	21	33	34	50	55

Table 8 - Iron Blast Furnaces in Canada, 1936.

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, 1936.

Condition of furnace	Number of furnaces	TOTAL DAILY CAPACITY	
		Long tons	Per cent
In blast .....	6	2,525	60
Banked .....	5	1,700	40
Blown out .....	11	4,225	100
Total Furnaces reporting .....			

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