

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

Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (HON.)  
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.

MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

NOVEMBER, 1939.

PIG IRON - Production of 87,822 long tons of pig iron in Canada during November compares with 85,758 tons made in the previous month and 46,216 tons in the corresponding month of a year ago. This month's output included 69,039 tons of basic iron, 11,560 tons of foundry iron and 7,223 tons of malleable iron.

Furnace charges for the month included 8,112 long tons of Canadian ore, 143,745 long tons of imported ore, 39,017 short tons of limestone and 89,237 short tons of coke. For the first eleven months of this year furnace charges totalled 1,147,350 tons of ore, 324,572 tons of limestone and 678,761 tons of coke. From these charges a total of 661,562 tons of pig iron was produced.

FERRO-ALLOYS - Output of ferro-alloys in Canada during November amounted to 7,285 tons against 6,357 tons in October of this year and 5,999 tons in November, 1938. This month's total was made up of four different alloys listed according to tonnage as follows: spiegeleisen, ferrosilicon, ferromanganese and ferrochrome.

STEEL INGOTS AND CASTINGS - Production of 147,182 tons of steel ingots and direct steel castings in Canada during November compares with 149,890 tons reported for the previous month and 90,120 tons for November of last year. This month's total included 139,631 tons of ingots and 7,551 tons of castings.

For the eleven months ending November 30, 1939, production totalled 1,234,765 tons against 1,077,381 tons during the corresponding period of 1938.

PRICES - Prices of iron and steel products held steady to higher in November. Due chiefly to a rise of about 7 per cent in tinplate prices and about 15 per cent in scrap materials, the index number of wholesale prices of iron and its products rose from 100.6 in October to 101.9 in November. Trade was in good volume. Building and construction trades furnished active demand, and manufacturers of autos and electrical equipment showed considerable interest. Awards of contracts for railway rolling stock also augmented business. Production of steel mills increased but despite this, considerable backlogs accumulated. Pig iron prices were unchanged from the previous month with No. 1 foundry, delivered at Montreal, quoted at \$27.00 per long ton.

"UNITED STATES" - From the Iron Age - In the United States the November production of coke pig iron, on a daily basis, gained 5.9 per cent over October. Output advanced to 124,015 tons from 117,019 tons and was the highest daily rate since the record of 125,745 tons in May, 1929. During the month 4 furnaces were put in blast and 1 blown out for relining, a net gain of 3 active furnaces.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - Production during November and October, 1939. (Tons of 2,240 pounds)

	N O V E M B E R			O C T O B E R		
	For own use	For Sale	TOTAL	For own use	For Sale	TOTAL
PIG IRON -						
Basic .....	66,175	2,864	69,039	62,255	463	62,718
Foundry .....	...	11,560	11,560	...	21,329	21,329
Malleable .....	...	7,223	7,223	...	1,711	1,711
TOTAL .....	66,175	21,647	87,822	62,255	23,503	85,758
Ferro-alloys .....	...	7,285	7,285	...	6,357	6,357

Table 2 - Cumulative Production for the Eleven Months ending NOVEMBER, 1939 and 1938 (tons of 2,240 pounds)

	1 9 3 9			1 9 3 8		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic .....	551,176	21,019	572,195	507,202	14,629	521,831
Foundry .....	...	65,670	65,670	...	72,359	72,359
Malleable .....	...	23,697	23,697	582	56,946	57,528
TOTAL .....	551,176	110,386	661,562	507,784	143,934	651,718
Ferro-alloys .....	...	64,740	64,740	...	50,512	50,512

Table 3 - Iron Blast Furnace Charges during NOVEMBER, OCTOBER, and ELEVEN MONTHS ending NOVEMBER, 1939.

	Unit	NOVEMBER	OCTOBER	ELEVEN MONTHS
Iron ore .....	Long ton	151,857	151,104	1,147,350
Limestone .....	Short ton	39,017	41,014	324,572
Coke .....	Short ton	89,237	88,173	678,761

(b) STEEL INGOTS AND CASTINGS

Table 4 - PRODUCTION DURING NOVEMBER AND OCTOBER, 1939. (Tons of 2,240 pounds)

	N O V E M B E R			O C T O B E R		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic .....	131,078	...	131,078	129,694	5,312	135,006
Electric .....	8,553	...	8,553	8,795	...	8,795
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	139,631	...	139,631	138,489	5,312	143,801
STEEL CASTINGS -						
Open hearth - Basic .....	291	2,545	2,836	249	1,867	2,116
Converter .....	...	64	64	...	84	84
Electric .....	819	3,832	4,651	605	3,284	3,889
Total Direct Steel Castings	1,110	6,441	7,551	854	5,235	6,089
GRAND TOTAL .....	140,741	6,441	147,182	139,343	10,547	149,890



Table 5 - CUMULATIVE PRODUCTION for the ELEVEN MONTHS ending NOVEMBER, 1939 and 1938.

	1 9 3 9			1 9 3 8		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<b>STEEL INGOTS -</b>						
Open hearth - Basic ..	1,118,036	5,918	1,123,954	976,582	301	976,883
Electric .....	63,215	8	63,223	52,578	...	52,578
Other .....	...	...	...	...	...	...
Total Steel Ingots ..	1,181,251	5,926	1,187,177	1,029,160	301	1,029,461
<b>STEEL CASTINGS -</b>						
Open hearth - Basic ..	1,720	11,633	13,353	1,571	13,612	15,183
Converter .....	...	679	679	...	602	602
Electric .....	6,334	27,222	33,556	5,859	26,276	32,135
Total Direct Steel Castings	8,054	39,534	47,588	7,430	40,490	47,920
GRAND TOTAL .....	1,189,305	45,460	1,234,765	1,036,590	40,791	1,077,381

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS and CASTINGS IN CANADA, 1916-1938. (In 1000's of long tons)

Year	Monthly Average		Year	Monthly Average	
	Iron	Steel		Iron	Steel
1916 .....	87	106	1928 .....	86	103
1917 .....	87	130	1929 .....	90	115
1918 .....	89	139	1930 .....	62	84
1919 .....	68	77	1931 .....	35	56
1920 .....	81	92	1932 .....	12	28
1921 .....	50	56	1933 .....	19	34
1922 .....	32	40	1934 .....	34	63
1923 .....	73	73	1935 .....	50	78
1924 .....	49	55	1936 .....	57	93
1925 .....	48	63	1937 .....	75	117
1926 .....	63	65	1938 .....	59	96
1927 .....	59	76			

Table 7 - PRODUCTION OF PIG IRON, BY MONTHS and BY PROVINCES, and STEEL INGOTS and CASTINGS, BY MONTHS, 1938 and 1939. (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	
	1938	1939	1938	1939	1938	1939	1938	1939
January .....	29	16	46	42	75	58	112	78
February .....	24	13	37	28	61	41	99	77
March .....	28	12	38	29	66	41	119	96
April .....	28	19	38	27	66	46	116	100
May .....	29	25	43	33	72	58	115	121
June .....	19	24	45	29	64	53	109	108
July .....	13	23	38	36	51	59	84	111
August .....	14	23	35	43	49	66	83	122
September .....	13	24	37	42	50	66	74	125
October .....	16	24	35	62	51	86	76	150
November .....	15	25	31	63	46	88	90	147
TOTAL MONTHS .....	228	228	423	434	651	662	1,077	1,235
December .....	15		38		53		78	
TOTAL FOR YEAR	243		462		704		1,155	



- 4 -

Table 8 - IRON BLAST FURNACES IN CANADA

Name of Company	Location of furnace	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, Ont.	2	825
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	4	1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF NOVEMBER, 1939.

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast .....	7	3,025	76
Banked .....	-	...	..
Blown out .....	3	950	24
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.