

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

JANUARY, 1939.

PIG IRON - Production of pig iron during January totalled 57,660 long tons, an increase of 7 per cent over the 53,381 tons made in the previous month but a decline of 23 per cent from the 74,862 tons made in January, 1938. The improvement over December was in the basic grade which rose to 44,505 tons from 33,517 tons and in the foundry grade which advanced to 10,175 tons from 9,614 tons; malleable iron dropped to 2,980 tons from 10,250 tons.

Furnace charges during the month included 93,706 long tons of imported iron ore, 32,375 short tons of coke and 56,554 short tons of limestone.

FERRO-ALLOYS - Output of ferro-alloys during January amounted to 2,855 long tons compared with 2,810 tons made in December, 1938, and 5,497 tons in January, 1938. This month's tonnage was composed of ferro-silicon and spiegeleisen.

STEEL INGOTS AND CASTINGS - During January the production of steel ingots and direct steel castings totalled 78,198 tons against 78,614 tons in December and 112,380 tons in the corresponding month of last year. January figures included 74,872 tons of ingots and 3,326 tons of castings.

PRICES - Quotations for iron and steel products fell slightly between December and January as indicated by indexes of 98.1 and 97.6 for these respective months. Declines included a 25 cent drop per box for tinplate and a cut of 5 - 10 cents per hundredweight for steel sheets. They were confined chiefly to the rolling mill products group while prices in other sections remained generally stable. As the year opened many firms reported considerable backlogs and business was augmented as the month advanced by increasing small lot orders. Demand was for a wide diversity of commodities but interest centred around the requirements for building trades and the automobile manufacturing industry. No 1 foundry pig iron delivered at Montreal was unchanged at \$25.00 per long ton. This same grade delivered at Toronto remained at \$23.00 per long ton.

UNITED STATES "IRON AGE" - Production of pig iron in the United States averaged 70,175 tons a day during January, a drop of 1.5 per cent from the daily rate of 71,314 tons in the previous month. Six furnaces were put in blast and five taken off during January.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING JANUARY, 1939 AND DECEMBER, 1938. (Tons of 2,240 pounds).

	JANUARY, 1939			:	DECEMBER, 1938		
	For own use	For sale	TOTAL	:	For own use	For sale	TOTAL
PIG IRON -							
Basic.....	40,823	3,682	44,505		31,921	1,596	33,517
Foundry.....	-	10,175	10,175		-	9,614	9,614
Malleable.....	-	2,980	2,980		-	10,250	10,250
TOTAL.....	40,823	16,837	57,660		31,921	21,460	53,381
Ferro-alloys.....	-	2,855	2,855		-	2,810	2,810

Table 2 - CUMULATIVE PRODUCTION FOR THE TWELVE MONTHS ending DECEMBER, 1938 and 1937. (Tons of 2,240 pounds)

	1 9 3 8			:	1 9 3 7		
	For own use	For sale	TOTAL	:	For own use	For sale	TOTAL
PIG IRON -							
Basic.....	539,123	16,225	555,348		660,766	60,945	721,711
Foundry.....	-	81,973	81,973		7,228	98,181	105,409
Malleable.....	582	67,196	67,778		5,145	66,590	71,735
TOTAL.....	539,705	165,394	705,099		673,139	225,716	898,855
Ferro-alloys.....	-	53,322	53,322		-	82,072	82,072

Table 3 - IRON BLAST FURNACE CHARGES DURING JANUARY, 1939 - DECEMBER AND YEAR 1938.

Unit	JANUARY, 1939	DECEMBER, 1938	YEAR 1938
Imported iron ore... Long ton	93,706	89,895	1,234,433
Coke..... Short ton	32,375	53,750	699,013
Limestone..... Short ton	56,554	24,659	347,351

(b) STEEL INGOTS and CASTINGS

Table 4 - PRODUCTION FOR JANUARY, 1939 and DECEMBER, 1938. (Tons of 2,240 pounds).

	JANUARY, 1939			:	DECEMBER, 1938		
	For own use	For sale	TOTAL	:	For own use	For sale	TOTAL
STEEL INGOTS -							
Open hearth - Basic.....	71,766	-	71,766		72,663	-	72,663
Electric.....	3,106	-	3,106		3,303	-	3,303
Other.....	-	-	-		-	-	-
TOTAL STEEL INGOTS.....	74,872	-	74,872		75,966	-	75,966
STEEL CASTINGS -							
Open hearth - Basic.....	184	728	912		145	292	437
Bessemer.....	-	50	50		-	41	41
Electric.....	500	1,864	2,364		515	1,655	2,170
TOTAL DIRECT STEEL CASTINGS.....	684	2,642	3,326		660	1,988	2,648
GRAND TOTAL.....	75,556	2,642	78,198		76,626	1,988	78,614

Table 5 - CUMULATIVE PRODUCTION FOR THE TWELVE MONTHS ENDING DECEMBER, 1938 and 1937.

	1 9 3 8			1 9 3 7		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<b>STEEL INGOTS -</b>						
Open hearth - Basic..	1,049,245	301	1,049,346	1,274,818	174	1,274,992
Electric.....	55,881	-	55,881	61,236	-	61,236
Other.....	-	-	-	-	-	-
TOTAL STEEL INGOTS..	1,105,126	301	1,105,427	1,336,054	174	1,336,228
<b>STEEL CASTINGS -</b>						
Open hearth - Basic..	1,716	13,904	15,620	16,774	7,053	23,827
Bessemer.....	-	643	643	434	582	1,016
Electric.....	6,374	27,931	34,305	21,590	20,221	41,811
TOTAL DIRECT STEEL CASTINGS.....	8,090	42,478	50,568	38,798	27,856	66,654
GRAND TOTAL.....	1,113,216	42,779	1,155,995	1,374,852	28,030	1,402,882

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.....	91	115
1918.....	89	140	1930.....	62	84
1919.....	68	77	1931.....	36	56
1920.....	81	92	1932.....	12	29
1921.....	50	56	1933.....	19	34
1922.....	32	40	1934.....	34	63
1923.....	73	74	1935.....	50	78
1924.....	49	54	1936.....	56	93
1925.....	48	63	1937.....	75	117
1926.....	63	64	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	PIG IRON						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	113	78
February.....	24		37		61		99	
March.....	28		38		66		119	
April.....	28		38		66		116	
May.....	29		43		72		115	
June.....	19		45		64		109	
July.....	13		38		51		84	
August.....	14		36		50		83	
September.....	13		37		50		74	
October.....	16		35		51		76	
November.....	15		31		46		90	
December.....	15		38		53		79	
TOTAL FOR YEAR...	243		462		705		1,156	





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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 JANUARY, 1939.

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	4	1,900	48
Banked.....	-	-	-
Blown out.....	6	2,075	52
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.