

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

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

AUGUST, 1939.

PIG IRON - Production of pig iron in Canada during August totalled 69,520 tons compared with 59,587 tons in the previous month and 49,477 tons made in August, 1938. This month's output included 55,262 tons of basic iron, 7,713 tons of foundry iron and 2,945 tons of malleable iron.

Furnace charges for the month included 5,475 tons of Canadian ore, 110,885 tons of imported ore, 30,393 short tons of limestone and 71,035 short tons of coke. For the first eight months of this year 724,122 tons of iron ore, 213,593 short tons of limestone and 432,937 short tons of coke were charged to iron blast furnaces in Canada to make 422,028 tons of pig iron. During the corresponding period of a year ago 504,873 tons were produced.

On August 4th one 275 ton furnace was blown in at Hamilton, Ont. with the result that six furnaces were in blast on August 31. These active furnaces have a capacity of 2,475 tons a day, approximately 62 per cent of the total blast furnace capacity of the Dominion.

FERRO-ALLOYS - Output of ferro-alloys at 3,313 tons in August was little more than half the July total of 6,475 tons but was almost double this 1,857 tons reported for August, 1938. This month's tonnage was made up of ferrosilicon, ferro-manganese, silico manganese and spiegeleisen, listed in order of importance.

STEEL INGOTS AND CASTINGS - August production of steel ingots and direct steel castings amounted to 122,019 tons against 111,419 tons in July and 82,871 in the corresponding month of a year ago. This month's output included 118,784 tons of ingots and 3,235 tons of castings.

Cumulative production of steel for the eight months ending August 31, 1939 totalled 813,309 tons compared with 837,449 tons produced during the first eight months of 1938.

PRICES - The Bureau's composite price index of iron and steel products closed 0.1 higher at 97.5 in August due to a \$2.00 per ton increase in cast iron pipe, 4". While iron and steel prices have shown minor declines compared with a year ago, domestic business was reported to be running ahead of last year. Continued demand for automobile and armanent supplies were the principal sustaining factors. Pig iron smelters were buying only in limited quantities, however, and consequently quotations on No. 1 foundry pig iron at Toronto remained unchanged at \$22.50 per long ton.

UNITED STATES

According to the "Iron Age" the August output of pig iron in the United States gained 12.9 per cent over July, based on a daily average of 85,800 tons against 76,009 tons. There were ten furnaces put in blast during the month and two blown out, a net gain of eight active furnaces.

(a) PIG IRON AND FERRO-ALLOYS

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

	AUGUST			JULY		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic .....	52,208	3,054	55,262	53,093	6,494	59,587
Foundry .....	-	7,713	7,713	-	-	-
Malleable .....	-	2,945	2,945	-	-	-
TOTAL .....	52,208	13,712	65,920	53,093	6,494	59,587
Ferro-alloys .....	-	3,313	3,313	-	6,475	6,475

Table 2 - Cumulative Production for the EIGHT MONTHS ending AUGUST, 1939 and 1938 (tons of 2,240 pounds)

	1939			1938		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic .....	370,896	14,283	385,179	407,104	12,376	419,480
Foundry .....	-	25,455	25,455	-	41,335	41,335
Malleable .....	-	11,394	11,394	582	43,476	44,058
TOTAL .....	370,896	51,132	422,028	407,686	97,187	504,873
Ferro-alloys .....	-	40,692	40,692	-	39,145	39,145

Table 3 - Iron Blast Furnace Charges during AUGUST, JULY, and EIGHT MONTHS ending AUGUST, 1939.

	Unit	AUGUST	JULY	EIGHT MONTHS
Imported iron ore .....	Long ton	116,360	99,649	724,122
Limestone .....	Short ton	30,393	28,400	213,593
Coke .....	Short ton	71,035	60,964	432,937

(b) STEEL INGOTS and CASTINGS

Table 4 - PRODUCTION FOR AUGUST AND JULY, 1939. (Tons of 2,240 pounds)

	AUGUST			JULY		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic .....	111,560	25	111,585	101,754	-	101,754
Electric .....	7,199	-	7,199	6,056	-	6,056
Other .....	-	-	-	-	-	-
Total Steel Ingots .....	118,759	25	118,784	107,810	-	107,810
STEEL CASTINGS -						
Open hearth - Basic .....	99	557	656	91	452	543
Converter .....	-	70	70	-	63	63
Electric .....	321	2,188	2,509	612	2,121	2,733
Total Direct Steel Castings	420	2,815	3,235	703	2,636	3,339
GRAND TOTAL .....	119,179	2,840	122,019	108,513	2,636	111,149

Table 5 - CUMULATIVE PRODUCTION for the EIGHT MONTHS ending AUGUST, 1939 and 1938.

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	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<b>STEEL INGOTS -</b>						
Open hearth - Basic .....	744,409	580	744,989	755,546	247	755,793
Electric .....	38,520	-	38,520	41,408	-	41,408
Other .....	-	-	-	-	-	-
Total Steel Ingots .....	782,929	580	783,509	796,954	247	797,201
<b>STEEL CASTINGS -</b>						
Open hearth - Basic .....	1,066	6,240	7,306	1,258	12,489	13,747
Converter .....	-	444	444	-	434	434
Electric .....	4,568	17,482	22,050	4,595	21,472	26,067
Total Direct Steel Castings	5,634	24,166	29,800	5,853	34,395	40,248
GRAND TOTAL .....	788,563	24,746	813,309	802,807	34,642	837,449

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	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	113	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	37	51	60	84	111
August .....	14	23	36	43	50	66	83	122
TOTAL - EIGHT MONTHS	184	155	321	268	505	423	838	813
September .....	13		37		50		74	
October .....	16		35		51		76	
November .....	15		31		46		90	
December .....	15		38		53		77	
TOTAL FOR YEAR .....	243		462		705		1,155	



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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, Ltd.	Hamilton, Ont.	2	825
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	4	1,600

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

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast .....	6	2,475	62
Banked .....	-	-	-
Blown out .....	4	1,500	38
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.