

Published by Authority of the HON. W. D. EULER, M.P.  
Minister of Trade and Commerce.

16-9-38  
Price -  
10 cents

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, 1938

PIG IRON - Production of pig iron in Canada totalled 49,477 long tons in August compared with 51,238 tons made in the previous month and 74,578 tons in August, 1937.

During the month, 88,558 long tons of iron ore, 49,669 short tons of coke and 24,503 short tons of limestone were charged to iron blast furnaces in Canada, making total charges for the first eight months of the year of 894,174 tons of ore, 500,216 tons of coke, and 253,283 tons of limestone. From these materials a total of 504,873 tons of pig iron was produced. During the first eight months of last year pig iron production was reported at 578,258 tons.

FERRO-ALLOYS - Output of ferro-alloys amounted to 1,857 tons in August against 4,129 tons in July and 9,913 tons in August, 1937. Ferrosilicon made up the bulk of this month's tonnage, the balance being ferromanganese.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct castings amounted to 82,781 tons in August. In the previous month output was reported at 83,927 tons and in August of a year ago at 126,695 tons.

For the eight months ending August, 1938, the cumulative production was 837,449 tons against 962,840 tons made in the corresponding period of a year ago.

PRICES - The most noteworthy change in prices of iron and steel products occurred in scrap steel which advanced \$1.00 per gross ton between July and August. Trade in iron and steel products was generally light, with the volume of orders said to be about at the lowest level for the year. Operations of steel mills were maintained at around 80 per cent of capacity due largely to the filling of considerable backlogs but pig iron production continued to be affected by the summer holiday season. Buying was chiefly in small spot tonnages although considerable contracts were said to be pending. The Dominion Bureau of Statistics index number of wholesale prices of "Iron and Its Products" on the base 1926 - 100 rose from 97.8 in July to 98.0 in August, chiefly due to higher quotations for scrap steel. Foundry pig iron (base silicon 2.25) delivered at Montreal was unchanged at \$24.00 per long ton. This same grade delivered at Toronto remained at \$23.00 per long ton.

UNITED STATES - In the United States production of pig iron in August on a daily basis went up 23.8 per cent over that in July, or to 48,193 tons from 38,767 tons a day. During the month sixteen furnaces were put in blast and four blown out or banked, a net gain of twelve active furnaces.

(a) PIG IRON and FERRO-ALLOYS

Table 1 - PRODUCTION DURING AUGUST and JULY, 1938. (Tons of 2,240 pounds)

	AUGUST, 1938			JULY, 1938		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON -</u>						
Basic .....	30,205	8,430	38,635	45,658	...	45,658
Foundry .....	...	7,448	7,448	...	149	149
Malleable .....	...	3,394	3,394	...	5,431	5,431
TOTAL .....	30,205	19,272	49,477	45,658	5,580	51,238
Ferro-alloys .....	...	1,857	1,857	...	4,129	4,129

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

	1	2	3	8	1	9	3	7
	For own use	For sale	TOTAL	For own use	For sale	TOTAL		
<u>PIG IRON -</u>								
Basic .....	407,104	12,376	419,480	446,540	21,173	467,713		
Foundry .....	...	41,335	41,335	40	68,163	68,203		
Malleable .....	582	43,476	44,058	1,642	40,700	42,342		
TOTAL .....	407,686	97,187	504,873	448,222	130,036	578,258		
Ferro-alloys .....	...	39,145	39,145	...	47,816	47,816		

Table 3 - IRON BLAST FURNACE CHARGES DURING AUGUST, JULY, and YEAR TO DATE.

	Unit	AUGUST	JULY	YEAR TO DATE
Imported iron ore .....	Long ton	88,558	89,744	894,174
Coke .....	Short ton	49,669	49,756	500,216
Limestone .....	Short ton	24,503	23,399	253,283

(b) STEEL INGOTS and CASTINGS

Table 4 - PRODUCTION FOR AUGUST and JULY, 1938. (Tons of 2,240 pounds)

	AUGUST, 1938			JULY, 1938		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS -</u>						
Open hearth - Basic ....	74,572	...	74,572	75,151	...	75,151
Electric .....	3,914	...	3,914	3,597	...	3,597
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS ....	78,486	...	78,486	78,748	...	78,748
<u>STEEL CASTINGS -</u>						
Open hearth - Basic ....	94	1,117	1,211	107	1,538	1,645
Bessemer .....	...	46	46	...	61	61
Electric .....	254	2,784	3,038	424	3,049	3,473
TOTAL DIRECT STEEL CASTINGS .....	348	3,947	4,295	531	4,648	5,179
GRAND TOTAL .....	78,834	3,947	82,781	79,279	4,648	83,927



Table 5 - CUMULATIVE PRODUCTION FOR THE EIGHT MONTHS ending AUGUST, 1938 and 1937.

	1	9	3	8		1	9	3	7
	For own	For		TOTAL	For own	For		TOTAL	
	use	sale			use	sale			
STEEL INGOTS -									
Open hearth - Basic ....	755,546	247	755,793	875,647	160	875,807			
Electric .....	41,408	...	41,408	39,030	...	39,030			
Other .....	...	...	...	...	...	...			
TOTAL STEEL INGOTS ....	796,954	247	797,201	914,677	160	914,837			
STEEL CASTINGS -									
Open hearth - Basic ....	1,258	12,489	13,747	1,522	17,487	19,009			
Bessemer .....	...	434	434	...	664	664			
Electric .....	4,595	21,472	26,067	4,131	24,199	28,330			
TOTAL DIRECT STEEL									
CASTINGS .....	5,853	34,395	40,248	5,653	42,350	48,003			
GRAND TOTAL .....	802,807	34,642	837,449	920,330	42,510	962,840			

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS and CASTINGS IN CANADA, 1916 - 1937. (In 1000's of long tons)

Year	Monthly Average		Year	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	1937 .....	75	117

Table 7 - PRODUCTION OF PIG IRON, BY MONTHS and BY PROVINCES, and STEEL INGOTS and CASTINGS, BY MONTHS, 1937 and 1938. (In 1000's of long tons)

	PIG		IRON		: S T E E L			
Month	NOVA SCOTIA	ONTARIO	TOTAL CANADA:	TOTAL CANADA	1937	1938:	1937	1938
	1937	1938	1937	1938	1937	1938:	1937	1938
January .....	28	29	38	46	66	75	115	112
February .....	25	24	37	37	62	61	112	99
March .....	29	28	42	38	71	66	125	119
April .....	28	28	40	38	68	66	121	116
May .....	27	29	51	43	78	72	121	115
June .....	27	19	51	45	78	64	119	109
July .....	26	13	54	38	80	51	123	84
August .....	26	14	49	35	75	49	127	83
TOTAL FOR EIGHT MONTHS	216	184	362	320	578	504	963	837
September .....	26		50		76		115	
October .....	25		56		81		115	
November .....	27		54		81		111	
December .....	28		53		81		98	
TOTAL FOR YEAR .....	322		575		897		1,402	



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-4-

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

Table 9 - DESCRIPTION OF FURNACES AT END OF AUGUST, 1938.

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast .....	4	1,825	46
Banked .....	...	...	...
Blown out .....	6	2,150	54
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.