

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADADominion 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 REPORTHistorical File CopyPRODUCTION OF IRON AND STEEL IN CANADAAUGUST, 1937

PIG IRON - The production of 74,578 long tons of pig iron in Canada during August was 7 per cent less than the 79,736 tons made in the previous month and 93 per cent over the 38,570 tons made in August of a year ago. This month's output included 54,457 tons of basic iron, 10,111 tons of foundry iron, and 10,010 tons of malleable iron.

Furnace charges during the month included 132,701 long tons of imported iron ore, 40,284 short tons of limestone and 75,882 short tons of coke.

For the first eight months of the year, 1,066,717 tons of iron ore, 309,813 tons of limestone and 579,650 tons of coke were charged to iron blast furnaces in Canada to make 578,258 tons of pig iron. During the first eight months of 1936 the production of pig iron amounted to 413,893 tons.

FERRO-ALLOYS - Output of ferro-alloys at 9,913 tons in August was 58 per cent over the July total of 6,285 tons and 7 per cent above the 9,290 tons made in August, 1936. This month's tonnage included spiegeleisen, ferrosilicon and ferro-manganese.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings advanced to 126,695 tons in August from 122,968 tons in July and represented an increase of 58 per cent over the 80,164 tons made in August, 1936. This month's output included 120,397 tons of ingots and 6,298 tons of castings.

For the eight months ending August the cumulative output amounted to 962,840 tons as against 727,657 tons and 556,752 tons made during the corresponding periods of 1936 and 1935, respectively.

PRICES - New business in the iron and steel industry showed improvement as the holiday season drew to a close and prices remained firm. Steel mills were well supplied with orders and backlogs in many cases were considered sufficient to hold operations to capacity levels till the close of the year. Renewed activity in the auto industry furnished greater demand for iron and steel products, and building trade needs increased. Pig iron sales were shown at about 1,500 tons weekly with inquiries growing steadily. The Dominion Bureau of Statistics index number of wholesale prices of "Iron and Its Products" on the base 1926 = 100, rose from 104.1 in July to 104.8 in August, owing chiefly to higher tin plate quotations. Foundry pig iron prices were unchanged, No. 1 delivered at Montreal being quoted at \$27.00 and No. 2 at \$26.50 per long ton. These respective grades delivered at Toronto were \$26.00 and \$25.50 per long ton.

UNITED STATES - In the United States the daily rate of pig iron production at 116,317 tons during August was 3 per cent over the July rate of 112,866 tons a day.

During the month four furnaces were blown out or banked and three put in blast, a net loss of one active furnace.

(a) PIG IRON AND FERRO-ALLOYS.

Table 1 - Production during AUGUST and JULY, 1937. (Tons of 2,240 pounds)						
	AUGUST, 1937			JULY, 1937		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON -</u>						
Basic	54,422	35	54,457	51,043	6,630	57,673
Foundry .....	...	10,111	10,111	...	13,112	13,112
Malleable .....	...	10,010	10,010	1,402	7,549	8,951
TOTAL	54,422	20,156	74,578	52,445	27,291	79,736
Ferro-alloys.....	...	9,913	9,913	...	6,285	6,285

Table 2 - Cumulative Production for the EIGHT MONTHS ending AUGUST, 1937 and 1936.
(Tons of 2,240 pounds)

	1	9	3	7	1	9	3	6
	For own use	For sale	TOTAL	For own use	For sale	TOTAL	For own use	For sale
<u>PIG IRON -</u>								
Basic	446,540	21,173	467,713	324,443	984	325,427		
Foundry	40	68,163	68,203	1,300	47,440	48,740		
Malleable	1,642	40,700	42,342	1,954	37,772	39,726		
TOTAL	448,222	130,036	578,258	327,697	86,196	413,893		
Ferro-alloys .....	...	47,816	47,816	...	51,060	51,060		

Table 3 - Iron Blast Furnace Charges during AUGUST AND JULY and YEAR TO DATE, 1937.

	AUGUST	JULY	YEAR TO DATE
Imported iron ore	long tons	132,701	143,438
Canadian limestone	short tons	12,839	13,094
Imported limestone	short tons	27,445	31,043
Coke made in Canada -			
From Canadian coal	short tons	29,929	28,892
From Imported coal	short tons	39,797	40,846
Imported coke	short tons	6,156	10,315

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(b) STEEL INGOTS AND CASTINGS.

Table 4 - Production for AUGUST and JULY, 1937. (Tons of 2,240 pounds)

	AUGUST, 1937			JULY, 1937		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS -</u>						
Open hearth - Basic	115,712	...	115,712	112,395	...	112,395
Electric	4,685	...	4,685	4,484	...	4,484
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS	120,397	...	120,397	116,879	...	116,879
<u>STEEL CASTINGS -</u>						
Open hearth - Basic	178	2,249	2,427	186	2,227	2,413
Bessemer .....	...	85	85	...	90	90
Electric	284	3,502	3,786	465	3,121	3,586
TOTAL DIRECT STEEL CASTINGS	462	5,836	6,298	651	5,438	6,089
GRAND TOTAL	120,859	5,836	126,695	117,530	5,438	122,968

Table 5 - Cumulative Production for the EIGHT MONTHS ending AUGUST, 1937 and 1936.

	1937			1936		
	1	9	3	7	1	9
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS -</u>						
Open hearth - Basic	875,647	160	875,807	676,702	105	676,807
Electric	39,030	...	39,030	27,311	...	27,311
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS	914,677	160	914,837	704,013	105	704,118
<u>STEEL CASTINGS</u>						
Open hearth - Basic	1,522	17,487	19,009	911	6,331	7,242
Bessemer .....	...	664	664	...	322	322
Electric	4,131	24,199	28,330	2,533	13,442	15,975
TOTAL DIRECT STEEL CASTINGS	5,653	42,350	48,003	3,444	20,095	23,539
GRAND TOTAL	920,330	42,510	962,840	707,457	20,200	727,657

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1936 (in 1000's of long tons)

Years	Monthly Average		Years	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			



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Table 7 - Production of Pig Iron, by Months and by Provinces, and Steel Ingots and Castings, by Months, 1936 and 1937. (In 1000's of long tons)

Month	PIG		IRON		: S T E E L	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA :	TOTAL CANADA
	1936	1937	1936	1937	1936 1937 :	1936 1937
January	18	28	43	38	61 66	100 115
February	21	25	35	37	56 62	94 112
March	22	29	32	42	54 71	101 125
April	23	28	31	40	54 68	107, 121
May	27	27	32	51	59 78	95 121
June	27	27	29	51	56 78	82 119
July	12	26	23	54	35 80	69 123
August	11	26	28	49	39 75	80 127
September	15		37		52	86
October	26		44		70	98
November	28		46		74	99
December	28		40		68	104
TOTAL	258	216	420	362	678 578	1,115 963
Monthly Average .	21	27	35	45	56 72	93 120

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	Pt. Colborne, Ont.	1	350
The Steel Company of Canada, Limited	Hamilton, Ont.	2	825
The Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600

Table 9 - Description of Furnaces at end of AUGUST, 1937.

Condition of Furnace	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	6	2,525	64
Banked .....	...	...	...
Blown out	4	1,450	36
Total Furnaces reporting .	10	3,975	100

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