

DEPARTMENT OF TRADE AND COMMERCE  
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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.

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PRODUCTION OF IRON AND STEEL IN CANADAAUGUST, 1935.

PIG IRON - Production of pig iron in Canada at 54,414 tons in August compares with 50,513 tons in July and 41,485 tons in the corresponding month of a year ago. The improvement over July was at the rate of 7.7 per cent and occurred mostly in the foundry grade which advanced to 14,070 tons from 428 tons and also in the malleable grade which jumped to 10,338 tons from 5,994 tons; the basic grade fell off to 40,830 tons from 44,091 tons.

Furnace charges for the month included 92,957 long tons of imported iron ore, 23,858 short tons of limestone, and 52,635 short tons of coke. Of the limestone 6,928 tons were from Canadian quarries and of the coke 42,503 tons were carbonized in Canada including 19,377 tons from Canadian mined coal.

For the eight months ending August, 1935, the cumulative production of pig iron totalled 364,704 tons compared with corresponding totals of 236,071 tons in 1934 and 103,132 tons in 1933.

FERRO-ALLOYS - Output of ferro-alloys in Canada fell off sharply in August to 3,893 tons from 7,269 tons in July. In August, 1934, production was reported at 2,458 tons.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings amounted to 82,488 tons in August which was the first month since February to show a decline from the preceding month. The July total was 86,101 tons while in August, 1934, output was reported at 63,504 tons.

For the eight months ending August, 1935, the cumulative output of steel totalled 556,752 tons. The corresponding figures for the first eight months of 1934 and 1933 were 527,673 tons and 228,199 tons, respectively.

PRICES - Iron and steel markets in August were less active than formerly, influenced in part by a seasonal lull in motor production. Rolling mill business was steadier than in other sections of the industry, although machine and steel requirements from mines continued in fair volume. Prices maintained customary stability as indicated by the Dominion Bureau of Statistics wholesale price index number of "Iron and Its Products" which remained unchanged for August at 87.1 (1926 = 100). Quotations for foundry pig iron continued at the same levels which have existed for some months past. No. 1 was quoted at \$23.00 per gross ton at Montreal, and \$21.50 per gross ton at Toronto, upon a delivered basis. No. 2 pig iron was listed at \$22.50 and \$22.00 per gross ton respectively, at these same centres.

UNITED STATES - Production of coke pig iron in the United States during August averaged 56,816 tons a day, an increase of 15.9 per cent over the July rate of 49,041 tons. Nine furnaces were blown in during the month and six blown out or banked, a net gain of three active furnaces.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - Production during AUGUST and JULY, 1935. (Tons of 2,240 lbs.)

Item	A U G U S T, 1935			J U L Y, 1935		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>Pig Iron -</u>						
Basic .....	30,006	...	30,006	44,091	...	44,091
Foundry .....	...	14,070	14,070	...	428	428
Malleable .....	...	10,338	10,338	...	5,994	5,994
TOTAL .....	30,006	24,408	54,414	44,091	6,422	50,513
Ferro-alloys .....	...	3,893	3,893	...	7,269	7,269

Table 2 - Cumulative Production for the EIGHT MONTHS ending AUGUST, 1935 and 1934.  
(Tons of 2,240 lb.)

Item	1 9 5			1 9 3 4		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>Pig Iron -</u>						
Basic .....	281,834	38	281,872	184,460	...	184,460
Foundry .....	...	46,125	46,125	49	28,468	28,517
Malleable .....	...	36,707	36,707	...	23,094	23,094
TOTAL .....	281,834	82,870	364,704	184,509	51,562	236,071
Ferro-alloys ...	...	33,354	33,354	...	17,077	17,077

Table 3 - Iron Blast Furnace Charges, AUGUST, JULY, and YEAR TO DATE, 1935.

	AUGUST 1935	JULY 1935	YEAR TO DATE
Imported iron ore ..... long tons	92,957	85,242	640,595
Canadian limestone ..... short tons	6,928	7,067	58,691
Imported limestone ..... short tons	16,930	15,526	111,691
Coke made in Canada -			
From Canadian coal ..... short tons	19,377	19,480	146,603
From imported coal ..... short tons	23,126	23,506	180,925
Imported coke ..... short tons	10,132	3,725	25,690

(b) STEEL INGOTS AND DIRECT CASTINGS

Table 4 - Production for AUGUST and JULY, 1935. (Tons of 2,240 lb.)

Item	AUGUST, 1935			JULY, 1935		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic .....	76,245	121	76,366	80,706	20	80,726
Electric .....	3,180	...	3,180	3,181	...	3,181
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	79,425	121	79,546	83,887	20	83,907
<u>STEEL CASTINGS</u>						
Open hearth - Basic .....	142	400	542	118	441	559
Bessemer .....	...	40	40	...	83	83
Electric .....	912	1,448	2,360	172	1,380	1,552
Total Direct Steel Castings.	1,054	1,888	2,942	290	1,904	2,194
GRAND TOTAL .....	80,479	2,009	82,488	84,177	1,924	86,101

Table 5 - Cumulative Production for the EIGHT MONTHS ENDING AUGUST, 1935 and 1934.

Item	1935			1934		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic .....	518,408	552	518,960	498,345	54	498,399
Electric .....	19,635	...	19,635	15,645	...	15,645
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	538,043	552	538,595	513,990	54	514,044
<u>STEEL CASTINGS</u>						
Open hearth - Basic .....	919	4,076	4,995	832	3,519	4,351
Bessemer .....	...	402	402	...	340	340
Electric .....	2,207	10,553	12,760	617	8,321	8,938
Total Direct Steel Castings.	3,126	15,031	18,157	1,449	12,180	13,629
GRAND TOTAL .....	541,169	15,583	556,752	515,439	12,234	527,673

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1934. (In 1000's of long tons)

Years		Monthly Average		Years		Monthly Average	
		Pig Iron	Steel			Pig Iron	Steel
1916 .....	87	106	1926 .....	63	64		
1917 .....	87	130	1927 .....	59	76		
1918 .....	89	140	1928 .....	86	103		
1919 .....	68	77	1929 .....	91	115		
1920 .....	81	92	1930 .....	62	84		
1921 .....	50	56	1931 .....	36	56		
1922 .....	32	40	1932 .....	12	29		
1923 .....	73	74	1933 .....	19	34		
1924 .....	49	54	1934 .....	34	63		
1925 .....	48	63					



Table 7 - Production of Pig Iron by Months and by Provinces, and Steel Ingots and Castings by Months, in Canada, 1934 and 1935. (In 1000's of long tons)

Months	P I G I R O N						S T E E L	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		TOTAL CANADA	
	1934	1935	1934	1935	1934	1935	1934	1935
January .....	12	17	19	27	31	44	61	60
February .....	..	16	12	21	12	37	58	56
March .....	..	17	12	28	12	45	73	58
April .....	..	16	27	27	27	43	70	69
May .....	9	16	29	29	38	45	71	73
June .....	15	15	22	30	37	45	64	73
July .....	15	17	22	34	37	51	67	86
August .....	16	17	26	37	42	54	64	82
September .....	17		26		43		57	
October .....	18		29		47		58	
November .....	16		23		39		57	
December .....	17		25		42		59	
TOTAL .....	135	151	272	253	407	564	759	557
Monthly Average .....	11	16	23	29	34	45	63	70

Table 8 - Iron Blast Furnaces in Canada, 1935.

Names of Companies	Location of furnaces	Number of stacks	Total Daily Capacity (Long tons)
Dominion Steel & Coal Corp. Ltd.	Sydney, N.S.	4	1,450
Canadian Furnace Co. Ltd.	Port Colborne, Ont.	1	350
The Steel Company of Canada, Limited	Hamilton, Ont.	2	825
Algoma Steel Corporation Ltd.	Sault Ste. Marie, Ont.	4	1,600

Table 9 - Description of Furnaces at end of AUGUST, 1935.

Condition of Furnace	Number of furnaces	TOTAL DAILY CAPACITY	
		Long tons	Per cent
In blast .....	4	1,900	45
Banked .....	...	...	...
Blown out .....	7	2,325	55
Total Furnaces Reporting ....	11	4,225	100

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

