

DEPARTMENT OF TRADE AND COMMERCE
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OTTAWA - CANADA

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

AUGUST, 1936

PIG IRON - Production of pig iron in Canada which had fallen to the low point of the year during July recovered 10 per cent in August when 38,570 tons were produced. Compared with figures for the previous month, data for August showed a decline in the basic grade to 27,884 tons from 30,199 tons while the foundry grade advanced to 6,203 tons from 2,407 tons and malleable iron increased to 4,483 tons from 2,382 tons.

For the eight months ending August 31, 1936, the cumulative production of pig iron in Canada totalled 413,893 tons compared with 364,704 tons and 236,071 tons in the corresponding periods of 1935 and 1934, respectively.

FERRO-ALLOYS - Output of ferro-alloys in Canada during August was reported at 9,290 tons as against 10,962 tons in the previous month and 3,893 tons in August of a year ago. Spiegeleisen accounted for the bulk of the month's tonnage, the balance being ferrosilicon.

STEEL INGOTS AND CASTINGS - Production of steel ingots and castings at 80,164 tons in August compares with 68,793 tons in the previous month and 82,488 tons in August, 1935. The improvement over July was in the ingots grade, the tonnage rising to 77,846 from 66,055 while direct castings fell off slightly to 2,318 tons from 2,738 tons. For the first eight months of this year output totalled 727,657 tons as against 556,752 tons and 527,673 tons during the corresponding periods of 1935 and 1934, respectively.

PRICES - Trade in iron and steel products held steady and prices were firm. Buying from various sources was reported but, as formerly, orders for mining industry requirements furnished the chief support. Latterly, a gain in new business followed greater activity on the part of the auto manufacturing industry, and demand from building trades and for repair purposes also increased. The Dominion Bureau of Statistics' index number of wholesale prices on the base 1926 = 100 rose from 87.8 in July to 87.9 in August, due chiefly to higher quotations for steel sheets. No change was recorded in the prices of foundry pig iron. No. 1 was quoted at \$22.00 per gross ton delivered at Montreal and at \$21.50 per gross ton, delivered at Toronto. No. 2 averaged \$21.50 and \$21.00 per gross ton at these respective centres.

UNITED STATES - Production of pig iron in the United States averaged 87,475 tons a day during August, an increase of 4.5 per cent over the 83,686 tons of July. There was a gain of 2 active furnaces during the month, bringing the total number in blast on September 1st to 148.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - Production during AUGUST and JULY, 1936. (Tons of 2,240 lb.)

	AUGUST, 1936			JULY, 1936		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic	27,884	...	27,884	30,199	...	30,199
Foundry .....	...	6,203	6,203	...	2,407	2,407
Malleable .....	...	4,483	4,483	...	2,382	2,382
TOTAL	27,884	10,686	38,570	30,199	4,789	34,988
Ferro-alloys .....	...	9,290	9,290	...	10,962	10,962

Table 2 - Cumulative Production for the EIGHT MONTHS ending AUGUST, 1936 and 1935.
(Tons of 2,240 lb.)

	1936			1935		
	1	9	TOTAL	1	9	TOTAL
PIG IRON -						
Basic	324,443	984	325,427	281,834	10,862	292,696
Foundry	1,300	47,440	48,740	...	35,301	35,301
Malleable	1,954	37,772	39,726	...	36,707	36,707
TOTAL	327,697	86,196	413,893	281,834	82,870	364,704
Ferro-alloys .....	...	51,060	51,060	...	33,354	33,354

Table 3 - Iron Blast Furnace Charges, AUGUST, JULY, and YEAR TO DATE, 1936.

		AUGUST	JULY	YEAR TO DATE
Imported iron ore	long tons	65,834	60,419	737,912
Canadian limestone	short tons	10,765	9,468	76,249
Imported limestone	short tons	7,687	7,589	134,515
Coke made in Canada -				
From Canadian coal	short tons	13,369	13,945	190,484
From imported coal	short tons	22,287	19,383	188,487
Imported coke	short tons	2,652	1,601	36,344

(b) STEEL INGOTS AND DIRECT CASTINGS

Table 4 - Production for AUGUST and JULY, 1936. (Tons of 2,240 lb.)

	AUGUST, 1936			JULY, 1936		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	74,755	...	74,755	62,518	...	62,518
Electric	3,091	...	3,091	3,537	...	3,537
Other .....	...	...	...	...	...	...
Total Steel Ingots	77,846	...	77,846	66,055	...	66,055
<u>STEEL CASTINGS</u>						
Open hearth - Basic	99	557	656	78	632	710
Bessemer .....	...	38	38	...	38	38
Electric	150	1,474	1,624	327	1,663	1,990
Total Direct Steel Castings ...	249	2,069	2,318	405	2,333	2,738
GRAND TOTAL	78,095	2,069	80,164	66,460	2,333	68,793

Table 5 - Cumulative Production for the EIGHT MONTHS ending AUGUST, 1936 and 1935.

	1936			1935		
	1	9	3	1	9	3
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	676,702	105	676,807	518,408	552	518,960
Electric	27,311	...	27,311	19,635	...	19,635
Other .....	...	...	...	...	...	...
Total Steel Ingots	704,013	105	704,118	538,043	552	538,595
<u>STEEL CASTINGS</u>						
Open hearth - Basic	911	6,331	7,242	919	4,076	4,995
Bessemer .....	...	322	322	...	420	402
Electric	2,533	13,442	15,975	2,207	10,553	12,760
Total Direct Steel Castings ...	3,444	20,095	23,539	3,126	15,031	18,157
GRAND TOTAL	707,457	20,200	727,657	541,169	15,583	556,752

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1935. (In 1000's of long tons)

MONTHLY AVERAGE			MONTHLY AVERAGE		
Years	Iron	Steel	Years	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	1935	50	78

Table 7 - Production of Pig Iron by Months and by Provinces, and Steel Ingots and Castings, by Months, 1935 and 1936. (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			
	1935	1936	1935	1936	1935	1936 : 1935 1936		
January	17	18	27	43	44	61	60	100
February	16	21	21	35	37	56	56	93
March	17	22	28	32	45	54	58	101
April	16	23	27	31	43	54	69	107
May	16	27	29	32	45	59	73	95
June	15	27	30	29	45	56	73	82
July	17	12	34	23	51	35	86	69
August	17	11	37	28	54	39	82	80
September	17		37		54		91	
October	11		35		46		95	
November	23		42		65		94	
December	26		45		71		99	
TOTAL	208	161	392	253	600	414	936	727
Monthly Average ...	17	20	33	32	50	52	78	91

Table 8 - Iron Blast Furnaces in Canada 1936.

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, 1936.

Condition of furnace	Number of furnaces	TOTAL DAILY CAPACITY	
		Long tons	Per cent
In blast	4	1,525	36
Banked	1	450	11
Blown out	6	2,250	53
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.