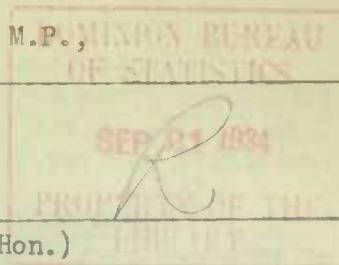


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Published by Authority of the HON. H. H. STEVENS, M.P.,
Minister of Trade and Commerce.

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



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PRODUCTION OF IRON AND STEEL IN CANADA

Historical File Copy

AUGUST, 1934.

PIG IRON - The August production of pig iron in Canada at 41,485 tons exceeded the 36,759 tons of July by 13 per cent and the 35,233 tons in August of a year ago by 18 per cent. The improvement over the previous month was in the foundry grade which advanced to 7,831 tons from 3,620 tons and in the malleable grade which rose to 4,810 tons from 2,800 tons; the basic grade made for the further use of the producers dropped off to 28,844 tons from 30,339 tons.

Furnace charges during August included 67,947 long tons of imported iron ore, 21,537 short tons of limestone and 42,057 short tons of coke. Of the limestone 6,807 tons were quarried in Canada and of the coke, 33,615 tons were carbonized in Canada including 17,724 tons from Canadian coal. For the year to date 411,608 tons of ore, 127,549 tons of limestone and 241,863 tons of coke were charged to blast furnaces in Canada to make 236,071 tons of pig iron.

There was no change in the blast furnace situation on August 31 as compared with July 31. Active furnaces were located at Sydney, N.S., Port Colborne, Ont., and Hamilton, Ont. These stacks had a daily capacity of 1,450 tons a day or about 34 per cent of the total capacity of all the iron blast furnaces in Canada.

FERRO-ALLOYS - Output of ferro-alloys in Canada totalled 2,458 tons in August compared with 2,483 tons in the previous month and 1,796 tons in August, 1933.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings in August totalled 63,504 tons which was 5 per cent under the 66,647 tons of the previous month but 30 per cent over the 48,659 tons made in the corresponding month of last year. The decline from July was in steel ingots which dropped to 59,393 tons from 62,553 tons while direct castings advanced slightly to 2,013 tons from 1,907 tons.

For the eight months ending August 31, 1934, the cumulative production of steel totalled 527,673 tons compared with 228,199 tons and 234,704 tons made in the corresponding periods of 1933 and 1932, respectively.

PRICES - Prices of iron and steel products varied but little from the previous month. The volume of business done was well maintained, and with the exception of railways and construction, demand was fairly general. The bulk of orders was for small spot tonnages.

The Dominion Bureau of Statistics index number of wholesale prices of "Iron and Its Products" fell from 87.1 in July to 87.0 in August owing chiefly to reductions in the prices of scrap iron.

Quotations for No. 1 and No. 2 foundry pig iron were unchanged. No. 1 was \$23.50 per gross ton, delivered at Montreal, and \$21.50 per gross ton delivered at Toronto. No. 2 was quoted at \$22.50 and \$21.50 per gross ton, delivered at these respective centres.

UNITED STATES - Pig iron production in the United States showed a decline of 13.9 per cent from July which in turn was 38.6 per cent under June. The August rate of output, at 34,012 tons daily, was 48.4 per cent below the peak of the year, reached in May, and was the lowest since May, 1933, when the daily average was 28,621 tons. There was a net loss of 14 active furnaces during the month, 16 having been blown out or banked, while two were lighted.

(a) PIG IRON AND FERRO-ALLOYS .

Table 1 - Production for the Current and Preceding Month (Tons of 2,240 lb.)

Item	AUGUST, 1934			JULY, 1934		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>In blast furnace:-</u>						
Basic	28,844	...	28,844	30,339	...	30,339
Foundry .....	...	7,831	7,831	...	3,620	3,620
Malleable .....	...	4,810	4,810	...	2,800	2,800
TOTAL	28,844	12,641	41,485	30,339	6,420	36,759
Ferro-alloys .....	...	2,458	2,458	...	2,483	2,483

Table 2 - Cumulative Production for the Eight Months ending August (Tons of 2,240 lb.)

Item	1934			1933		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>In blast furnace:-</u>						
Basic	184,460	...	184,460	77,949	11,949	89,898
Foundry	49	28,468	28,517	...	4,722	4,722
Malleable .....	...	23,094	23,094	...	8,512	8,512
TOTAL	184,509	51,562	236,071	77,949	25,183	103,132
Ferro-alloys .....	...	17,077	17,077	...	9,162	9,162

Table 3 - Iron Blast Furnace Charges, August, July, and Year to Date.

	August	July	Year to Date
Imported iron ore long ton	67,947	66,359	411,608
Canadian limestone short ton	6,807	7,543	41,840
Imported limestone short ton	14,730	11,667	85,709
<u>Coke made in Canada -</u>			
From Canadian coal short ton	17,724	17,997	81,810
From imported coal short ton	15,891	16,046	146,793
Imported coke short ton	8,442	4,818	13,260

(b) STEEL INGOTS AND DIRECT CASTINGS

Table 4 - Production for the Current Month and Preceding Month (Tons of 2,240 lb.)

Item	AUGUST, 1934			JULY, 1934		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	59,393	...	59,393	62,553	...	62,553
Acid .....	...	...	...	...	...	...
Electric	2,098	...	2,098	2,187	...	2,187
Other .....	...	...	...	...	...	...
Total Steel Ingots	61,491	...	61,491	64,740	...	64,740
<u>STEEL CASTINGS</u>						
Open hearth - Basic	120	543	663	120	464	584
Acid .....	...	...	...	...	...	...
Bessemer .....	...	83	83	...	35	35
Electric	27	1,240	1,267	68	1,220	1,288
Total Direct Steel Castings ..	147	1,866	2,013	188	1,719	1,907
GRAND TOTAL	61,638	1,866	63,504	64,928	1,719	66,647

Table 5 - Cumulative Production for the Eight Months ending August.

Item	1 9 3 4			1 9 3 3		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	498,345	54	498,399	206,180	30	206,210
Acid .....	...	...	...	...	...	...
Electric	15,645	...	15,645	11,547	...	11,547
Other .....	...	...	...	...	...	...
Total Steel Ingots	513,990	54	514,044	217,727	30	217,757
<u>STEEL CASTINGS</u>						
Open hearth - Basic	832	3,519	4,351	152	3,104	3,256
Acid .....	...	...	...	...	...	...
Bessemer .....	...	340	340	8	151	159
Electric	617	8,321	8,938	234	6,793	7,027
Total Direct Steel Castings..	1,449	12,180	13,629	394	10,048	10,442
GRAND TOTAL	515,439	12,234	527,673	218,121	10,078	228,199

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1932. (In 1000's of long tons)

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

Table 7 - Production of Pig Iron by Months and by Provinces, and Steel Ingots and Castings, by Months, in Canada, 1933 and 1934. (In 1000's of long tons)

Months	P I G		I R O N		TOTAL CANADA		STEEL	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		TOTAL CANADA	
	1933	1934	1933	1934	1933	1934	1933	1934
January	16	12	13	19	29	31	41	61
February	6	..	..	12	6	12	12	58
March .....	..	..	..	12	..	12	11	73
April .....	..	..	..	27	..	27	12	70
May .....	..	9	..	29	..	38	23	71
June	1	15	..	22	1	37	32	64
July	16	15	16	22	32	37	49	67
August	16	16	19	26	35	42	49	64
September	16		15		31		38	
October	17		10		27		48	
November	16		14		30		43	
December	15		23		38		50	
TOTAL	119	67	110	169	229	236	408	528
Monthly Average	10	8	9	21	19	29	34	66

Table 8 - Iron Blast Furnaces in Canada, 1933.

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long tons)
British Empire Steel Corp. Ltd.	Sydney, N.S.	4	1,450
Canadian Furnace Co. Ltd.	Port Colborne, Ont.	1	350
The Steel Company of Canada, Ltd.	Hamilton, Ont.	2	825
Algoma Steel Corp. Ltd.	Sault Ste. Marie, Ont.	4	1,600

Table 9 - Description of Furnaces at end of August, 1934.

Condition of furnace	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	3	1,450	34
Banked	1	450	11
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.

