

DOMINION BUREAU OF STATISTICS - CANADA
Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.

Mining, Metallurgical and Chemical Branch.
Chief: W. H. Losee, B.Sc.

OCT 21 1938

PROPERTY OF THE
LIBRARY.

PRODUCTION OF IRON AND STEEL IN CANADA

Historical File Copy.

SEPTEMBER, 1933

PIG IRON - Production of pig iron in Canada during September at 30,738 tons represented a decline of 112 tons per day from the daily rate for August when the total output was 35,233 tons. The September figures included 24,468 tons of basic iron and 6,270 tons of foundry iron as compared with 31,282 tons of basic iron and 3,951 tons of malleable iron in the previous month.

Blast furnace charges during the month included 53,789 long tons of imported iron ore, 17,702 short tons of limestone and 34,072 short tons of coke. Of the limestone 3,726 tons were from Canadian quarries and of the coke 26,801 tons were carbonized in Canada, 17,942 tons being from Canadian coal. The balance of the limestone and the coke was imported.

For the nine months ending September 30, 1933, the cumulative production of pig iron in Canada amounted to 133,870 tons. In the corresponding periods of 1932 and 1931 outputs were reported at 96,219 tons and 380,322 tons, respectively.

FERRO-ALLOYS - September production of ferro-alloys in Canada advanced to 2,033 tons from the August total of 1,796 tons. Output consisted chiefly of spiegeleisen but with a small tonnage of ferrosilicon.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings in Canada at 38,630 tons in September was off 21 per cent from the total of 48,659 tons in August. The decline from the previous month was mostly in the ingot grade which fell to 37,090 tons from 46,979 tons but the output of castings was also lower at 1,540 tons as compared with 1,680 tons.

For the nine months ending September the production of steel ingots and castings totalled 266,829 tons. During the corresponding periods of 1932 and 1931 output was reported at 257,843 tons and 582,855 tons, respectively.

PRICES - Comparative firmness characterized Canadian iron and steel markets in September, though no general improvement in conditions was reported. New business was maintained at a fairly steady level, while demand from the automotive and mining industries continued the chief supporting factors. Orders for small spot tonnages predominated and there were no indications of an early departure from this method of buying. The Dominion Bureau of Statistics index number of wholesale prices of "Iron and Its Products" on the base 1926 = 100, advanced from 84.5 to 85.4, due chiefly to better prices of tinplate.

Quotations for foundry pig iron, delivered at Montreal and Toronto, were the same as in August. No. 1 was quoted at \$22.00 and \$20.50 per gross ton, and No. 2 at \$22.00 and \$20.00 per gross ton, at these respective centres.

UNITED STATES - In the United States the output of pig iron during September dropped 14.2 per cent to 50,742 tons a day as compared with the average of 59,142 tons a day in August. Eleven furnaces were blown out or banked in September and two were lighted, a net loss of nine active furnaces.

(a) PIG IRON AND FERRO-ALLOYS IN CANADA

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

Item	S E P T E M B E R, 1933			A U G U S T, 1933		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>In blast furnace:-</u>						
Basic	23,773	6 5	24,468	20,742	10,540	31,282
Foundry .....	...	6,270	6,270	...	...	...
Malleable .....	...	...	...	...	3,951	3,951
TOTAL	23,773	6,965	30,738	20,742	14,491	35,233
Ferro-alloys .....	...	2,033	2,033	...	1,796	1,796

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

Item	1	9	3	3	1	9	3	2
	For own use	For sale	TOTAL	For own use	For sale	TOTAL	For own use	For sale
<u>In blast furnace:-</u>								
Basic	101,722	12,644	114,366	61,336	...	61,336	...	...
Foundry .....	...	10,992	10,992	111	20,946	21,057	...	...
Malleable .....	...	8,512	8,512	...	13,826	13,826	...	...
TOTAL	101,722	32,148	133,870	61,447	34,772	96,219	...	...
Ferro-alloys .....	...	11,195	11,195	...	11,254	11,254	...	...

Table 3 - Blast Furnace Charges, September, August, and Year to Date, 1933.

	September, 1933	August, 1933	Year to Date
Imported iron ore long ton	53,789	60,798	230,839
Canadian limestone short ton	3,726	4,114	10,854
Imported limestone short ton	13,976	14,707	65,015
<u>Coke made in Canada -</u>			
From Canadian coal short ton	17,942	18,290	82,109
From imported coal short ton	8,859	9,219	37,023
Imported Coke short ton	7,271	9,104	26,048

(b) STEEL INGOTS AND DIRECT CASTINGS

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

Item	S E P T E M B E R, 1933			A U G U S T, 1933		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	35,859	...	35,859	45,630	...	45,630
Acid .....	...	...	...	...	...	...
Electric	1,231	...	1,231	1,349	...	1,349
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS	37,090	...	37,090	46,979	...	46,979

<u>STEEL CASTINGS</u>						
Open hearth - Basic	42	472	514	53	564	617
Acid .....	...	...	...	...	...	...
Bessemer .....	...	13	13	1	23	24
Electric	18	995	1,013	30	1,009	1,039
TOTAL DIRECT STEEL CASTINGS	60	1,480	1,540	84	1,596	1,680
GRAND TOTAL	37,150	1,480	38,630	47,063	1,596	48,659

Table 5 - Cumulative Production for the Nine Months ending September

Item	1	9	3	3	1	9	3	2
	For own use	For sale	TOTAL	For own use	For sale	TOTAL	For own use	For sale
<u>STEEL INGOTS</u>								
Open hearth - Basic	242,039	30	242,069	233,288	619	233,907	...	...
Acid .....	...	...	...	...	...	...	...	...
Electric	12,778	...	12,778	14,914	...	14,914	...	...
Other .....	...	...	...	...	...	...	...	...
TOTAL STEEL INGOTS	254,817	30	254,847	248,202	619	248,821	...	...
<u>STEEL CASTINGS</u>								
Open hearth - Basic	194	3,576	3,770	368	1,873	2,241	...	...
Acid .....	...	...	...	...	...	...	...	...
Bessemer	8	164	172	67	658	725	...	...
Electric	252	7,788	8,040	275	5,781	6,056	...	...
TOTAL DIRECT STEEL CASTINGS	454	11,528	11,982	710	8,312	9,022	...	...
GRAND TOTAL	255,271	11,558	266,829	248,912	8,931	257,843	...	...

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1931. (In 1000's of long tons)

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

Table 7 - Production of Pig Iron by Months and by Provinces, and Steel Ingots and Castings by Months in Canada, 1932 and 1933. (In 1000's of long tons)

Months	P I G		I R O N		TOTAL CANADA		S T E E L	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		TOTAL CANADA	
	1932	1933	1932	1933	1932	1933	1932	1933
January .....	...	16	10	13	10	29	25	41
February .....	...	6	11	...	11	6	28	12
March .....	...	...	18	...	18	...	44	11
April .....	...	...	17	...	17	...	36	12
May .....	...	...	13	...	13	...	29	23
June .....	...	1	8	...	8	1	18	32
July .....	...	16	7	16	7	32	28	49
August .....	...	16	6	19	6	35	27	49
September .....	...	16	6	15	6	31	23	38
October .....	...	...	7	...	7	...	17	...
November	14	...	...	...	14	...	37	...
December	16	...	11	...	27	...	31	...
TOTAL	30	71	114	63	144	134	343	267
Monthly Average ..	2	8	10	7	12	15	29	30

Table 8 - 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 September 1933.

Condition of furnace	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	3	1,175	28
Banked	1	450	11
Blown out	7	2,600	61
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.

