

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 CANADAHistorical File CopySEPTEMBER, 1934.

PIG IRON - September production of pig iron in Canada at 43,019 tons was 3 per cent over the August total of 41,485 tons and 40 per cent over the 30,738 tons reported for September of a year ago. The improvement over the previous month was in the basic grade which advanced to 36,804 tons from 28,844 tons while foundry iron fell to 4,597 tons from 7,831 tons and malleable iron was also lower at 1,618 tons as against 4,810 tons.

Furnace charges during the month included 72,537 long tons of imported iron ore, 17,692 short tons of limestone and 42,036 short tons of coke. Of the limestone 6,367 tons were quarried in Canada and of the coke 32,805 tons were carbonized in Canada including 18,432 tons from Canadian coal. For the first nine months of this year 484,145 tons of ore, 283,899 tons of coke and 145,241 tons of limestone were charged to iron blast furnaces in Canada to make 279,090 tons of pig iron.

There was no change in the blast furnace situation on September 30 as compared with August 31. The active furnaces were located at Sydney, N.S., Port Colborne, Ont., and Hamilton, Ont. These stacks had a daily capacity of 1,450 long 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 1,147 tons in September as compared with 2,458 tons in the previous month and 2,033 tons in September, 1933.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings in Canada fell off to 57,489 tons in September from the 63,504 tons of August but showed an improvement of 44 per cent over the 38,630 tons made in September of last year. The decline from August was accounted for by the ingot grade dropping to 55,848 tons from 61,491 tons and direct castings to 1,641 tons from 2,013 tons.

For the nine months ending September 30, 1934, the cumulative production of steel totalled 585,162 tons as compared with 266,829 tons and 257,843 tons in the corresponding periods of 1933 and 1932, respectively.

PRICES - Market conditions pertaining to iron and steel products showed little change and a number of price recessions were recorded. No large tonnage orders were placed and the mining industry remained the main source of support. Activity in the automotive industry was somewhat curtailed and building trade demand practically negligible. Smelters continued to take supplies on a hand to mouth basis and foundry operations were reported at about 35 per cent of capacity, with steel mills showing a slightly higher rating. The Dominion Bureau of Statistics index number of wholesale prices on the base 1926 = 100, fell from 87.0 in August to 86.6 in September. This decline was chiefly accounted for by easier quotations for tinplate and scrap steel.

No change occurred in the prices of foundry pig iron. No. 1 was \$23.00 and No. 2, \$22.50 per gross ton, delivered at Montreal. These respective grades, delivered at Toronto, were \$21.50 and \$21.00 per gross ton.

UNITED STATES - September pig iron production in the United States averaged 29,935 tons a day, a loss of 12 per cent from the 34,012 tons per day made in the previous month. During September 4 furnaces were blown out or banked and 4 were blown in.

(a) PIG IRON AND FERRO-ALLOYS

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

Item	S E P T E M B E R, 1934			A U G U S T, 1934		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>In blast furnace:-</u>						
Basic	28,187	8,617	36,804	28,844	...	28,844
Foundry .....	...	4,597	4,597	...	7,831	7,831
Malleable .....	...	1,618	1,618	...	4,810	4,810
TOTAL	28,187	14,832	43,019	28,844	12,641	41,485
Ferro-alloys .....	...	1,147	1,147	...	2,458	2,458

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

Item	1 9 3 4			1 9 3 3		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>In blast furnace:-</u>						
Basic	212,647	8,617	221,264	101,722	12,644	114,366
Foundry	49	33,065	33,114	...	10,992	10,992
Malleable .....	...	24,712	24,712	...	8,512	8,512
TOTAL	212,696	66,394	279,090	101,722	32,148	133,870
Ferro-alloys .....	...	18,224	18,224	...	11,195	11,195

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

	September	August	Year to Date
Imported iron ore long ton	72,537	67,947	484,145
Canadian limestone short ton	6,367	6,807	48,207
Imported limestone short ton	11,325	14,730	97,034
<u>Coke made in Canada -</u>			
From Canadian coal short ton	18,432	17,724	100,242
From imported coal short ton	14,373	15,891	161,166
Imported coke short ton	9,231	8,442	22,491

(b) STEEL INGOTS AND DIRECT CASTINGS

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

Item	SEPTEMBER, 1934			AUGUST, 1934		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	54,079	54	54,133	59,393	...	59,393
Acid .....	...	...	...	...	...	...
Electric	1,715	...	1,715	2,098	...	2,098
Other .....	...	...	...	...	...	...
Total Steel Ingots	55,794	54	55,848	61,491	...	61,491
<u>STEEL CASTINGS</u>						
Open hearth - Basic	87	334	421	120	543	663
Acid .....	...	...	...	...	...	...
Bessemer .....	...	40	40	...	83	83
Electric	37	1,143	1,180	27	1,240	1,267
Total Direct Steel Castings	124	1,517	1,641	147	1,866	2,013
GRAND TOTAL	55,918	1,571	57,489	61,638	1,866	63,504

Table 5 - Cumulative Production for the Nine Months ending September

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	552,424	108	552,532	242,039	30	242,069
Acid .....	...	...	...	...	...	...
Electric	17,360	...	17,360	12,778	...	12,778
Other .....	...	...	...	...	...	...
Total Steel Ingots	569,784	108	569,892	254,817	30	254,847
<u>STEEL CASTINGS</u>						
Open hearth - Basic	919	3,853	4,772	194	3,576	3,770
Acid .....	...	...	...	...	...	...
Bessemer .....	...	380	380	8	164	172
Electric	654	9,464	10,118	252	7,788	8,040
Total Direct Steel Castings	1,573	13,697	15,270	454	11,528	11,982
GRAND TOTAL	571,357	13,805	585,162	255,271	11,558	266,829

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		S T E E L	
	NOVA	SOCITA	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	17	15	26	31	43	38	57
October	17		10		27		48	
November	16		14		30		43	
December	15		23		38		50	
TOTAL	119	84	110	195	229	279	408	585
Monthly Average	10	9	9	22	19	31	34	65

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 September, 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.

