

41 003  
CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

Vol. 11

No. 9

Historical File Copy

Monthly Report

on

## PRODUCTION OF IRON AND STEEL

for Canada

SEPTEMBER 1931

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

OTTAWA  
1931

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

**DOMINION BUREAU OF STATISTICS, CANADA**  
DOMINION STATISTICIAN R.H. COATS, B. A., F. S. S. (HON.) F.R.S.C.

W. H. LOSEE, B. Sc. - Chief of the  
MINING, METALLURGICAL AND CHEMICAL BRANCH

---

## **PRODUCTION OF IRON AND STEEL IN CANADA**

**SEPTEMBER 1931**

PIG IRON - Production of pig iron in Canada during September fell to 17,585 long tons; in August output amounted to 23,212 tons and in September of a year ago to 49,395 tons.

Furnace charges during September included 29,490 long tons of imported iron ore, 8,102 short tons of limestone, and 17,978 short tons of coke. Of the limestone, 4,819 tons were quarried in Canada and of the coke 17,778 tons were carbonized in Canada from imported coal.

During the month 1 furnace at Port Colborne, Ont., and 1 at Sault Ste. Marie, Ont., were blown out, leaving 1 furnace in blast in Canada on September 30, 1931. This active furnace was located at Hamilton, Ontario, and had a capacity of 550 long tons a day, or approximately 13 per cent of the total capacity of all the iron blast furnaces in Canada. In addition to the furnace actually in blast, 2 furnaces having a capacity of 850 tons a day were banked. The banked furnaces were located at Sydney, N.S., and Sault Ste. Marie, Ont.

For the nine months ending September the cumulative production of pig iron in Canada was 380,322 tons as against 622,716 tons and 829,687 tons made during the corresponding periods of 1930 and 1929, respectively. Furnace charges for the nine months included 670,731 tons of ore, 203,751 tons of limestone and 397,225 tons of coke.

**FERRO-ALLOYS** - Production of ferro-alloys in Canada amounted to 5,700 tons in September. While this output was lower than the 8,248 tons of August, it was the second highest month for the year to date and compares with an output of 3,012 tons in September 1930.

**STEEL INGOTS AND CASTINGS** - Production of steel ingots and steel castings in Canada at 33,390 tons during September was 36 per cent under the 52,491 tons of August and the lowest tonnage reported for any month since the 25,007 tons of August, 1925. The decline from the previous month was mostly in the B.O H. steel ingots which fell off to 30,589 tons from 49,280 tons; electric ingots dropped to 1,392 tons from 1,593 tons, and direct steel castings were also lower at 1,409 tons as against 1,618 tons in August.

For the nine months ending September 30, 1931, the output of primary steel in Canada totalled 592,855 tons as compared with 818,471 tons and 1,087,951 tons made during the corresponding periods of 1930 and 1929, respectively. This year's output to date included 561,180 tons of ingots and 31,675 tons of castings.

**PRICES** - The prices situation relative to pig iron remained very quiet during September, in common with that for other ferrous metals. Immediate buying was limited to usual small lot requirements, although business of this type was reported to be slightly better. Some speculation was afoot regarding the possibility of greater exports due to the low quotations obtaining on Canadian exchange. No. 1 and No. 2 foundry pig iron remained unchanged in price at \$22.60 and \$22.10 per gross ton in Toronto, and \$23.80 and \$23.30 per gross ton delivered in Montreal. The Bureau's index for Iron and its Products remained the same as in August, at 86.8

**UNITED STATES** - According to the "Iron Age" the production of coke pig iron in the United States averaged 38,964 tons a day during September. This figure was the lowest since that for September, 1921 - just ten years ago - and was 6 per cent under the daily rate of 41,308 tons in the previous month. Six stacks were started up during September and nine shut down, a net loss of three.

PIG IRON AND FERRO-ALLOYS IN CANADA

Table 1. PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2240 lb.)

ITEM	SEPTEMBER 1931			AUGUST 1931		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	11,228	-----	11,228	12,137	1,461	13,598
Foundry.....	-----	6,182	6,182	71	9,543	9,614
Malleable.....	-----	175	175	-----	-----	-----
TOTAL.....	11,228	6,357	17,585	12,208	11,004	23,212
Ferro-alloys .....	-----	5,700	5,700	-----	8,248	8,248

Table 2. CUMULATIVE PRODUCTION FOR THE NINE MONTHS ENDING SEPTEMBER  
(Tons of 2240 lb.)

ITEM	1931			1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	283,427	3,413	286,840	427,604	4,568	433,172
Foundry.....	718	65,468	66,186	864	130,668	131,532
Malleable.....	-----	27,296	27,296	-----	58,012	58,012
TOTAL.....	284,145	96,177	380,322	428,468	193,248	622,716
Ferro-alloys .....	-----	40,094	40,094	-----	54,703	54,703

Table 3. BLAST FURNACE CHARGES - SEPTEMBER, AUGUST, AND YEAR TO DATE

			SEPTEMBER	AUGUST	YEAR TO DATE
Imported Iron ore.....	Long tons		29,490	38,845	670,731
Canadian Limestone.....	Short tons		4,819	5,693	54,498
Imported Limestone.....	" "		3,283	5,723	149,253
Coke made in Canada:-					
From Canadian coal.....	" "		-----	-----	116,880
From Imported coal.....	" "		17,778	23,509	261,630
Imported coke .....	" "		200	1,290	18,713



# STEEL INGOTS AND CASTINGS IN CANADA

Table 4 PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2240 lb.)

ITEM	SEPTEMBER 1931			AUGUST 1931		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	30,457	132	30,589	49,183	97	49,280
Acid	-----	-----	-----	-----	-----	-----
Electric	1,392	-----	1,392	1,593	-----	1,593
Other	-----	-----	-----	-----	-----	-----
TOTAL STEEL INGOTS	31,849	132	31,981	50,776	97	50,873
STEEL CASTINGS:						
Open Hearth-Basic	62	504	566	125	505	630
Acid	-----	10	10	-----	-----	-----
Bessemer	-----	162	162	3	104	107
Electric	11	660	671	35	846	881
TOTAL DIRECT STEEL CASTINGS	73	1,336	1,409	163	1,455	1,618
GRAND TOTAL	31,922	1,468	33,390	50,939	1,552	52,491

Table 5 CUMULATIVE PRODUCTION FOR THE NINE MONTHS ENDING SEPTEMBER

	1931			1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS						
Open Hearth-Basic	540,987	602	541,589	745,459	618	746,077
Acid	-----	-----	-----	-----	-----	-----
Electric	19,591	-----	19,591	18,228	-----	18,228
Other	-----	-----	-----	7,041	-----	7,041
TOTAL STEEL INGOTS	560,578	602	561,180	770,728	618	771,346
STEEL CASTINGS						
Open Hearth-Basic	1,199	12,602	13,801	1,362	22,135	23,497
Acid	-----	19	19	-----	-----	-----
Bessemer	32	1,158	1,190	38	1,640	1,678
Electric	182	16,483	16,665	233	21,717	21,950
TOTAL DIRECT STEEL CASTINGS	1,413	30,262	31,675	1,633	45,492	47,125
GRAND TOTAL	561,991	30,864	592,855	772,361	46,110	818,471

Table 6 AVERAGE MONTHLY PRODUCTION OF

PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1916 - 1929.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1916	87	106	1923	73	74
1917	87	130	1924	49	54
1918	89	140	1925	48	63
1919	68	77	1926	63	64
1920	81	92	1927	59	76
1921	50	56	1928	86	103
1922	32	40	1929	91	115

TABLE 7 PRODUCTION OF PIG IRON BY MONTHS AND BY PROVINCES, AND STEEL INGOTS AND CASTINGS BY MONTHS IN CANADA (In 1000's of Long Tons) 1930-1931.

MONTH	PIG IRON				STEEL			
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1930	1931	1930	1931	1930	1931	1930	1931
January	23	15	64	21	87	36	115	58
February	19	14	52	32	71	46	107	83
March	22	17	53	40	75	57	117	99
April	21	17	51	37	72	54	103	91
May	19	15	62	36	81	51	99	75
June	16	15	50	41	66	56	95	56
July	16	8	49	32	65	40	68	45
August	16	-	41	23	57	23	58	52
September	16	-	33	18	49	18	56	33
October	15		25		40		65	
November	15		31		46		72	
December	16		22		38		56	
TOTAL	214	101	533	280	747	381	1,011	592
MONTHLY AVERAGE	18	11	44	31	62	42	84	66

Table 8. BLAST FURNACES IN CANADA, 1930.

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, 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 Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600
TOTAL		11	4,225

Table 9. DESCRIPTION OF FURNACES AT END OF SEPTEMBER, 1931.

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	1	550	13
Banked	2	850	20
Blown out	8	2,825	67
Total furnaces reporting	11	4,225	100



1010636173