

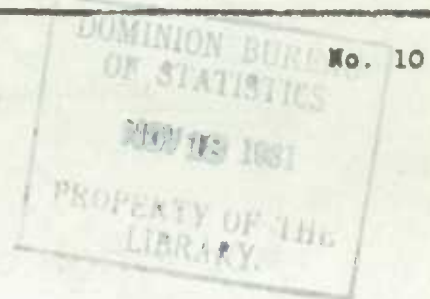
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CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

Vol. 11

Historical File Copy



Monthly Report

on

PRODUCTION OF IRON AND STEEL

in Canada

OCTOBER 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

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PRODUCTION OF IRON AND STEEL IN CANADA

OCTOBER 1931

PIG IRON - Only one iron blast furnace was in operation in Canada during October and since the Statistics Act states that the operations of individual concerns may not be divulged the Bureau of Statistics at Ottawa are therefore unable to publish pig iron figures for the month.

One furnace at Hamilton, Ontario, having a capacity of 550 tons a day, or approximately 13 per cent of the total capacity of all iron blast furnaces in Canada, was active during the entire month. In addition to this, two furnaces having a capacity of 850 tons a day or 20 per cent of the total capacity, were banked. The banked furnaces were located one at Sault Ste. Marie, Ontario, and one at Sydney, N.S.

FERRO-ALLOYS - Production of ferro-alloys in Canada during October amounted to 1,912 tons as against 5,700 tons in the previous month and 5,174 tons in October, 1930. For the year to date output aggregated 42,006 tons as compared with 59,877 tons and 72,649 tons made during the corresponding ten month's period of 1930 and 1929, respectively.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings in Canada during October at 30,926 tons was slightly under the total of 33,390 tons made in the next preceding month and compares with a total of 65,431 tons in October of a year ago. The decline from September was mostly in the steel ingot grade which dropped to 29,546 tons from 31,981 tons while steel castings showed little change at 1,380 tons as against 1,409 tons.

For the ten months ending October 31, 1931, the cumulative production of steel amounted to 623,781 tons as against 383,902 tons during the corresponding period of last year and 1,203,625 tons in the first ten months of 1929. This year's output to date included 590,726 tons of steel ingots and 33,055 tons of direct steel castings. With the exception of 953 tons made for sale all of the ingots were intended for the use of the maker and of the castings 31,550 tons were intended for sale, the balance of 1,505 tons being for the use of the maker.

PRICES - Conditions pertaining to iron and steel showed little change from the previous month. Demand for pig iron was limited and melters continued to buy in small lots only as raw material was required. Structural steel was more active, particularly in the early part of the month, but sales were likewise mostly in small lots, although some contract buying was reported.

Quotations for No. 1 and No. 2 foundry pig iron were the same as in September. Prices for these respective grades, delivered at Toronto, were \$22.60 and \$22.10 and at Montreal, \$23.80 and \$23.30 per gross ton. The Bureau's index for "Iron and Its Products" rose from 86.8 to 87.3 owing principally to advances for hot rolled and annealed steel sheets, and for steel tank plates, which influenced the index more than enough to offset reductions for galvanized wire and scrap steel.

UNITED STATES - In the United States the production of coke pig iron averaged 37,848 tons a day during October as compared with an output of 38,964 tons per day in September. Six stacks were started up during the month and nine were shut down, a net loss of three. The "Iron Age" also states that there was a further slight rise in steel production, and a marked improvement in sentiment, resulting partly from rising prices for grains and cotton, and the imminence of enlarged automobile manufacturing schedules. Expectations are that November may bring a turn in steel operations after a decline that has been continuous since last March.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	OCTOBER 1931			SEPTEMBER 1931		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	-----	-----	+	11,228	-----	11,228
Foundry.....	-----	-----	+	-----	6,182	6,182
Malleable.....	-----	-----	+	-----	175	175
TOTAL.....	-----	-----	+	11,228	6,357	17,585
Ferro-alloys	-----	1,912	1,912	-----	5,700	5,700

Table 2. CUMULATIVE PRODUCTION FOR THE TEN MONTHS ENDING OCTOBER (Tons of 2240 lb.)

ITEM	1931			1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	-----	-----	+	453,979	6,115	460,094
Foundry.....	-----	-----	+	946	141,524	142,470
Malleable.....	-----	-----	+	-----	60,231	60,231
TOTAL.....	-----	-----	+	454,925	207,870	662,795
Ferro-alloys	-----	42,006	42,006	-----	59,877	59,877

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

	OCTOBER	SEPTEMBER	YEAR TO DATE
Imported Iron ore..... Long tons	+	29,490	+
Canadian Limestone..... Short tons	+	4,819	+
Imported Limestone..... " "	+	3,283	+
Coke made in Canada:-			
From Canadian coal..... " "	+	-----	+ 188
From Imported coal..... " "	+	17,778	+ 102
Imported coke..... " "	+	200	+ 178
+ October pig iron production by only 1 firm.			

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	OCTOBER 1931			SEPTEMBER 1931		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	27,243	351	27,594	30,457	132	30,589
Acid						
Electric	1,952		1,952	1,392		1,392
Other						
TOTAL STEEL INGOTS	29,195	351	29,546	31,849	132	31,981
STEEL CASTINGS:						
Open Hearth-Basic	79	351	430	62	504	566
Acid					10	10
Bessemer	3	167	170		162	162
Electric	10	770	780	11	660	671
TOTAL DIRECT STEEL CASTINGS	92	1,288	1,380	73	1,336	1,409
GRAND TOTAL	29,287	1,639	30,926	31,922	1,468	33,390

Table 5 CUMULATIVE PRODUCTION FOR THE TEN MONTHS ENDING OCTOBER

	1931			1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS						
Open Hearth-Basic	568,230	953	569,183	803,864	667	804,531
Acid						
Electric	21,543		21,543	22,575		22,575
Other				7,108		7,108
TOTAL STEEL INGOTS	589,773	953	590,726	833,547	667	834,214
STEEL CASTINGS						
Open Hearth-Basic	1,278	12,953	14,231	1,525	23,025	24,550
Acid		19	19			
Bessemer	35	1,325	1,360	42	1,808	1,850
Electric	192	17,253	17,445	246	23,042	23,288
TOTAL DIRECT STEEL CASTINGS	1,505	31,550	33,055	1,813	47,875	49,688
GRAND TOTAL	591,278	32,503	623,781	835,360	48,542	883,902

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	31
November	15		31		46		72	
December	16		22		38		56	
TOTAL	214	+	533	+	747	+	1,011	623
MONTHLY AVERAGE	18	+	44	+	62	+	84	62

+ October pig iron production by only 1 firm.

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

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