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on

PRODUCTION OF IRON AND STEEL

in Canada

MARCH 1930

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DOMINION BUREAU OF STATISTICS, CANADA
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PRODUCTION OF IRON AND STEEL IN CANADA

MARCH 1930

PIG IRON - Production of coke pig iron in Canada during March totalled 72,582 long tons, a slight increase over the output of 70,600 tons in February but 16 per cent under the 86,176 tons reported for March of a year ago. The daily rate of production for the 31 days of March amounted to 2,341 tons, a loss of 180 tons per day from the daily rate of 2,521 tons in February a 23 day month.

Compared with the figures of the next preceding month, data for March showed an increase in the tonnage of basic pig iron but lowered outputs for the foundry and malleable grades. Basic iron rose to 57,234 tons from 51,262 tons; foundry iron dropped to 9,054 tons from 10,828 tons; and malleable iron declined to 6,294 tons from 8,510 tons.

For the three months ending March, the cumulative production at 230,261 tons was 14 per cent under the total of 267,879 tons reported for the corresponding period of last year which in turn was 29 per cent over the 208,087 tons produced during the first quarter of 1928. For the year to date output included 157,394 tons of basic iron, 49,955 tons of foundry iron and 22,912 tons of malleable iron.

Furnace charges in March included 133,084 long tons of imported iron ore, 42,561 short tons of limestone and 80,524 short tons of coke. For the year to date blast furnace charges included: 419,123 tons of imported ore, 33,818 tons of Canadian limestone, 94,383 tons of imported limestone, 79,438 tons of coke from Canadian coal, 156,162 tons of coke from imported coal and 14,901 tons of imported coke.

During the month under review no new furnaces were blown in or shut down leaving the same furnaces in blast on March 31 as at the end of February. The active furnaces numbered 6 with a rated capacity of 2,175 long tons per day or 52 per cent of the total capacity of all blast furnaces in Canada and were located as follows: 2 at Sydney, N.S.; 2 at Hamilton, Ont., and 2 at Sault Ste. Marie, Ont.

FERRO-ALLOYS.- Production of ferro-alloys in Canada amounted to 5,279 tons in March as against 4,821 tons in the previous month. For the first quarter of the year output aggregated 17,043 tons, a slight decline from the total of 18,237 tons made during the first three months of 1929.

STEEL INGOTS AND CASTINGS.- Production of steel ingots and direct steel castings in Canada during March totalled 117,487 tons; this was the greatest tonnage reported for any month of the year to date, being 10 per cent over the output of 106,612 tons in the preceding month but 14 per cent below the total of 137,158 tons made in March of last year. The daily rate of production in the month under review was 3,790 tons, as against a daily average of 3,808 tons in February and 4,424 tons per day in March 1929.

For the three months ending March 31, 1930, the cumulative production was 339,299 tons a decline of 9 per cent from the 370,863 tons reported for the corresponding period of a year ago which was the best first quarter tonnage reported since 1918 and exceeded by 23 per cent the total of 301,373 tons made during the first three months of 1928. This year's production to date included 318,283 tons of ingots and 21,016 tons of castings.

PRICES.- The reduction made in pig iron prices last month was reported to have stimulated business appreciably. Both future delivery and spot inquiry were substantial, and it is expected that tonnage commitments for the second quarter will exceed those of the first three months. Prices remained unchanged during March. No. 1 and No. 2 foundry pig iron were quoted at \$22.60 and \$22.10 per gross ton at Toronto, and at \$24.00 and \$23.50 per gross ton at Montreal.

The Bureau's index of "Iron and Its Products" receded slightly from 92.8 to 92.6 in March, influenced by reductions in the price of steel tank plates.

UNITED STATES.- In the United States the daily production of pig iron during March at 104,450 tons was 3,060 tons a day, or 3 per cent over the daily rate of 101,390 tons in February. The daily rate in March was the highest reported since last November and compares with 119,842 tons in March of last year. Eight furnaces were lighted in March and four were put out, a net gain of four.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	MARCH 1930			FEBRUARY 1930*		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	56,841	393	57,234	51,129	133	51,262
Foundry.....	189	8,865	9,054	189	10,639	10,828
Malleable.....	-----	6,294	6,294	-----	8,510	8,510
TOTAL.....	57,030	15,552	72,532	51,318	19,282	70,600
Ferro-alloys.....	-----	5,279	5,279	-----	4,821	4,821

Table 2. CUMULATIVE PRODUCTION FOR THE THREE MONTHS ENDING MARCH
(Tons of 2240 lb.)

ITEM	1930			1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	155,668	726	157,394	211,464	624	212,088
Foundry.....	571	49,384	49,955	439	45,522	45,961
Malleable.....	-	22,912	22,912	-	9,830	9,830
TOTAL.....	157,239	73,022	230,261	211,903	55,976	267,879
Ferro-alloys.....	-----	17,043	17,043	-----	18,237	18,237

Table 3. BLAST FURNACE CHARGES - MARCH, FEBRUARY AND YEAR TO DATE.

	MARCH	FEBRUARY	YEAR TO DATE
Imported Iron ore..... Long tons	133,084	127,223	419,123
Canadian Limestone..... Short tons	12,116	10,392	33,818
Imported Limestone..... " "	30,445	28,689	94,383
Coke made in Canada:-			
From Canadian coal..... " "	27,056	24,231	79,438
From Imported coal..... " "	53,463	48,527	156,162
Imported coke..... " "	-	3,525	14,901

*Revised.

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	MARCH 1930			FEBRUARY 1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	106,674	-----	106,674	97,175	36	97,211
Acid	-----	-----	-----	-----	-----	-----
Electric	2,062	-----	2,062	1,873	-----	1,873
Other	939	-----	939	880	-----	880
TOTAL STEEL INGOTS	109,675	-----	109,675	99,928	36	99,964
STEEL CASTINGS:						
Open Hearth-Basic	148	3,720	3,868	147	3,237	3,384
Acid	-----	-----	-----	-----	-----	-----
Bessemer	5	257	262	4	156	160
Electric	34	3,643	3,682	19	3,085	3,104
TOTAL DIRECT STEEL CASTINGS	187	7,625	7,812	170	6,478	6,648
GRAND TOTAL	109,862	7,625	117,487	100,098	6,514	106,612

Table 5 CUMULATIVE PRODUCTION for the THREE MONTHS ending MARCH

	1930			1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	308,808	120	308,928	346,933	419	347,352
Acid	-----	-----	-----	-----	-----	-----
Electric	6,079	-----	6,079	3,103	-----	3,103
Other	3,276	-----	3,276	3,904	-----	3,904
TOTAL STEEL INGOTS	318,163	120	318,283	353,943	419	354,362
STEEL CASTINGS:						
Open Hearth-Basic	568	10,080	10,648	533	378	911
Acid	-----	-----	-----	24	7,254	7,278
Bessemer	15	603	618	25	872	897
Electric	82	9,668	9,750	24	7,391	7,415
TOTAL DIRECT STEEL CASTINGS	665	20,351	21,016	606	15,895	16,501
GRAND TOTAL	318,828	20,471	339,299	354,549	16,314	370,863

Table 6 AVERAGE MONTHLY PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS
IN CANADA, 1915 - 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) 1929-1930.

MONTH	PIG IRON				STEEL			
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1929	1930	1929	1930	1929	1930	1929	1930
January	21	23	67	64	88	87	116	115
February	41	19	53	52	94	71	117	107
March	32	22	54	52	86	74	137	117
April	24		55		79		122	
May	24		57		81		126	
June	25		65		90		120	
July	23		77		100		130	
August	31		82		113		120	
September	31		68		99		99	
October	24		67		91		116	
November	22		65		87		94	
December	22		61		83		82	
TOTAL	320	64	771	168	1,091	232	1,379	339
MONTHLY AVERAGE	27	21	64	56	91	77	115	113

Table 6. BLAST FURNACES IN CANADA, 1929.

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	4	1,400
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	4,175

Table 9. DESCRIPTION OF FURNACES AT END OF MARCH 1930

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	6	2,175	52
Banked	-	-	-
Blown out	5	2,000	48
Total furnaces reporting	11	4,175	100

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