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on

PRODUCTION OF IRON AND STEEL

in Canada

March 1928

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PRODUCTION OF IRON AND STEEL

March 1928

PIG IRON.- Production of pig iron in Canada during March amounted to 78,390 long tons, an increase of 22 per cent over the 64,691 tons of February and 4 per cent over the 75,637 tons reported for March, 1927. Compared with the tonnages of the previous month, March output showed gains in the basic and malleable grades and a loss in foundry iron. Basic pig iron advanced to 67,162 tons from 54,823 tons; foundry iron dropped to 5,151 tons from 9,868 tons; and production of malleable iron amounted to 6,077 tons, although none of this grade was made in February.

For the three months ending March, the cumulative production of pig iron totalled 208,087 tons, a gain of 17 per cent over the 178,049 tons reported for the first quarter of last year. In the corresponding period of 1926 production totalled 159,641 tons and in 1925 amounted to 121,740 tons. This year's output was composed of 165,471 tons of basic iron, 32,902 tons of foundry iron and 9,714 tons of malleable iron.

Furnace charges for March included 134,698 long tons of imported iron ore, 84,695 tons of Canadian coke, 11,399 tons of Canadian limestone and 34,970 tons of imported limestone.

The number of furnaces in blast on March 31 remained the same as on February 29. The active furnaces had a daily capacity of 2,275 long tons per day or about 45 per cent of the total capacity of all iron blast furnaces in Canada and were located as follows: 2 at Sydney, N.S.; 2 at Hamilton, Ontario; and 2 at Sault Ste. Marie, Ontario.

FERRO-ALLOYS.- Production of ferro-alloys in Canada during March at 4,629 tons was 14 per cent over the 4,056 tons of February. For the year to date the output totalled 13,304 tons as compared with 10,858 tons during the first three months of 1927.

STEEL INGOTS AND CASTINGS.- Production of steel ingots and castings in Canada at 118,258 tons in March was 20 per cent over the 98,820 tons of February and 10 per cent over the 107,381 tons made in March of a year ago. Compared with February the output of March showed increases in the tonnage of ingots and in the tonnage of direct castings produced. Steel ingots advanced to 114,003 tons from 94,668 tons and direct steel castings to 4,255 tons from 4,152 tons.

For the first quarter of this year, production totalled 301,373 tons, an increase of 32 per cent over the 221,552 tons produced during the corresponding period of last year. In the first three months of 1926 production amounted to 180,458 tons, and in 1925 to 171,952 tons. This year's output to date was composed of 285,504 tons of basic open hearth ingots, 2,783 tons of electric ingots, 1,700 tons of alloy ingots, 5,166 tons of basic open hearth castings, 486 tons of Bessemer castings and 5,734 tons of electric castings.

A slight recession in pig iron prices occurred in some localities since the last report. This is thought to be temporary as the outlook for spring business is considered good. No. 1 and No. 2 foundry iron at Montreal were quoted at \$25.00 to \$25.50 in March as compared with \$26.00 to \$26.50 on February 15th. At Toronto prices were unchanged, No. 1 and No. 2 foundry being still quoted at \$23.60 to \$24.10. The Bureau's price index for the group "Iron and Its Products" fell to 141.7 in March from 142.1 in February, due to the lower prices prevailing for pig iron and steel bars.

In the United States the production of pig iron in March was 3 per cent more than in February. This marked a further gain; February production was 8 per cent over January and January output was 6.4 per cent higher than December. The daily rate of production in March was 3,211 tons over the daily rate of February. During the month 13 furnaces were blown in and 3 blown out - to make a gain of 10 active furnaces.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	MARCH 1928			FEBRUARY 1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	63,767	3,395	67,162	54,201	622	54,823
Foundry.....	-----	5,151	5,151	-----	9,868	9,868
Malleable.....	-----	6,077	6,077	-----	-----	-----
TOTAL.....	63,767	14,623	78,390	54,201	10,490	64,691
Ferro-alloys.....	-----	4,629	4,629	-----	4,056	4,056

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

ITEM	1928			1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	161,104	4,367	165,471	118,558	2,644	121,202
Foundry.....	6,479	26,423	32,902	406	38,034	38,440
Malleable.....	-----	9,714	9,714	-----	18,407	18,407
TOTAL.....	167,583	40,504	208,087	118,964	59,085	178,049
Ferro-alloys.....	-----	13,304	13,304	-----	10,858	10,858

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

	MARCH 1928	FEBRUARY 1928	YEAR TO DATE
Canadian Iron ore.....Long tons	-----	-----	-----
Imported Iron ore....." "	134,698	116,004	364,748
Canadian Coke.....Short tons	84,695	75,015	234,118
Imported coke....." "	-----	-----	-----
Canadian Limestone....." "	11,399	9,969	32,255
Imported Limestone....." "	34,970	30,823	93,029

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	MARCH 1928			FEBRUARY 1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	112,696	-----	112,696	91,926	-----	91,926
Acid	-----	-----	-----	-----	-----	-----
Electric	896	60	956	1,827	-----	1,827
Other	351	-----	351	809	106	915
TOTAL STEEL INGOTS	113,943	60	114,003	94,562	106	94,668
STEEL CASTINGS:						
Open Hearth-Basic	181	1,624	1,805	182	1,697	1,879
Acid	-----	-----	-----	-----	-----	-----
Bessemer	7	167	174	5	155	160
Electric	6	2,270	2,276	95	2,018	2,113
TOTAL DIRECT STEEL CASTINGS	194	4,061	4,255	282	3,870	4,152
GRAND TOTAL	114,137	4,121	118,258	94,844	3,976	98,820

Table 5 CUMULATIVE PRODUCTION for the THREE MONTHS ending MARCH

	1928			1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	285,504	-----	285,504	206,943	-----	206,943
Acid	-----	-----	-----	-----	-----	-----
Electric	2,723	60	2,783	-----	-----	-----
Other	1,517	183	1,700	3,240	-----	3,240
TOTAL STEEL INGOTS	289,744	243	289,987	210,183	-----	210,183
STEEL CASTINGS:						
Open Hearth-Basic	528	4,638	5,166	450	5,177	5,627
Acid	-----	-----	-----	-----	-----	-----
Bessemer	15	471	486	27	546	573
Electric	127	5,607	5,734	157	5,012	5,169
TOTAL DIRECT STEEL CASTINGS	670	10,716	11,386	634	10,735	11,369
GRAND TOTAL	290,414	10,959	301,373	210,817	10,735	221,552

Table 6 AVERAGE MONTHLY PRODUCTION OF
 PIG IRON, STEEL INGOTS AND CASTINGS
 IN CANADA, 1915 - 1926.
 (In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1915	68	76	1921	50	56
1916	87	106	1922	32	40
1917	87	130	1923	73	74
1918	89	140	1924	49	54
1919	68	77	1925	48	63
1920	81	92	1926	63	64

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) 1927-1928.

MONTH	PIG IRON						STEEL	
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1927	1928	1927	1928	1927	1928	1927	1928
January	22	22	30	43	52	65	59	84
February	20	24	31	41	51	65	56	99
March	25	26	51	52	76	78	107	118
April	24		53		77		109	
May	24		55		79		97	
June	21		48		69		60	
July	20		31		51		55	
August	16		47		63		77	
September	14		38		52		54	
October	15		23		38		56	
November	21		17		38		81	
December	26		37		63		96	
TOTAL	248	72	459	136	709	208	907	301
MONTHLY AVERAGE	21	24	38	45	59	69	76	100

Table 8. BLAST FURNACES IN CANADA, 1928

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	8	2,475
Canadian Furnace Co., Ltd.	Port Colborne, Ont.	1	325
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	725
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,500
TOTAL		15	5,025

Table 9. DESCRIPTION OF FURNACES AT END OF MARCH 1928

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	6	2,275	45
Banked	-	-	-
Blown out.....	9	2,750	55
Total furnaces reporting.....	15	5,025	100



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