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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

MARCH, 1927

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PRODUCTION OF IRON AND STEEL IN CANADA

March 1927

PIG IRON PRODUCTION INCREASES 49 PER CENT

Production of pig iron in Canada at 75,637 long tons in March showed a gain of almost 50 per cent over the 50,695 tons of February and with the exception of an output of 77,290 tons in March, 1924, was the greatest tonnage reported for this month since 1920. Basic pig iron produced mostly for further use by the makers accounted for the increase; this grade at 64,373 tons exceeded the combined outputs of February and March when only 56,829 tons of basic iron were made in Canada.

Blast furnace charges for the month included 136,439 long tons of imported iron ore, 81,887 short tons of coke and 42,641 short tons of limestone. Production from these charges included 64,373 tons of basic iron, 5,729 tons of foundry iron and 5,535 tons of malleable iron.

For the three months ending March the total pig iron production amounted to 178,049 tons or an average of about 60,000 tons per month.

During the month one additional furnace was blown in at Sault Ste Marie, Ontario, resulting in 6 furnaces being in blast on March 31. The active furnaces had a daily capacity of 2,375 long tons per day or about 47 per cent of the total capacity of all blast furnaces in Canada. Active furnaces were located: 2 at Sydney, N.S., 2 at Hamilton, Ont., and 2 at Sault Ste Marie, Ont.

Ferro-alloys at 3,331 tons in March showed a decline of 7 per cent from the 3,601 tons produced in the previous month and consisted mostly of the grade having a high manganese content: small quantities of ferrosilicon were also produced.

STEEL INGOTS AND CASTINGS

Production of steel ingots and castings followed the pig iron trend by advancing to 107,381 tons in March, a gain of 93 per cent over the output of 55,620 tons in February, and 83 per cent above the 58,765 tons reported for March of a year ago. Steel ingots accounted for most of increase by advancing to 102,141 tons from 52,144 tons in February; direct steel castings also showed a gain at 5,240 tons as compared with 3,476 tons in the previous month.

For the first quarter of the year the cumulative production totalled 221,552 tons as against 180,458 tons for the corresponding three months of last year. This quarter's output included 210,183 tons of ingots and 11,369 tons of direct steel castings.

Pig iron prices were unchanged in March, No. 1 foundry at Montreal being still quoted at \$27.00 and No. 2 foundry at \$26.50 per ton. At Toronto No. 1 foundry was \$24.80 and No. 2 foundry \$24.30. The Bureau's index number (1913 prices = 100) for the group iron and its products was practically unchanged in March being 144.6 as compared with 144.4 in February.

In the United States the month's output of pig iron was the greatest since April, 1926. Daily production averaged 112,366 long tons, a gain of 7 per cent over February. The number of furnaces in blast was increased by 6 during the month to make a total of 223.

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PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	MARCH 1927			FEBRUARY 1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	62,005	2,368	64,373	27,826	151	27,977
Foundry.....	111	5,618	5,729	193	10,618	10,811
Malleable.....		5,535	5,535		11,907	11,907
TOTAL.....	62,116	13,521	75,637	28,019	22,676	50,695
Ferro-alloys.....		3,331	3,331		3,601	3,601

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

ITEM	1927			1926		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	118,558	2,644	121,202	106,011	3,202	109,213
Foundry.....	406	38,034	38,440	449	41,794	42,243
Malleable.....		18,407	18,407		8,185	8,185
TOTAL.....	118,964	59,085	178,049	106,460	53,181	159,641
Ferro-alloys.....		10,858	10,858		8,030	8,030

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

		MARCH	FEBRUARY	YEAR TO DATE
Canadian Iron ore.....	Long tons			
Imported iron ore.....	" "	136,439	88,393	316,212
Coke.....	Short tons	81,887	57,814	199,261
Limestone.....	" "	42,641	27,046	98,446

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	MARCH 1927			FEBRUARY 1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	100,908		100,908	50,863		50,863
Acid						
Bessemer						
Other	1,233		1,233	1,281		1,281
TOTAL STEEL INGOTS	102,141		102,141	52,144		52,144
STEEL CASTINGS:						
Open Hearth-Basic	172	2,319	2,491	118	1,640	1,758
Acid						
Bessemer	12	260	272	6	142	148
Electric	6	2,471	2,477	151	1,419	1,570
TOTAL DIRECT STEEL CASTINGS	190	5,050	5,240	275	3,201	3,476
GRAND TOTAL	102,331	5,050	107,381	52,419	3,201	55,620

Table 5 CUMULATIVE PRODUCTION for the THREE MONTHS ending MARCH

	1927			1926		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	206,943		206,943	167,767		167,767
Acid						
Bessemer						
Other	3,240		3,240	3,502		3,502
TOTAL STEEL INGOTS	210,183		210,183	171,269		171,269
STEEL CASTINGS:						
Open Hearth-Basic	450	5,177	5,627	518	4,577	5,095
Acid						
Bessemer	27	546	573	17	328	345
Electric	157	5,012	5,169	7	3,742	3,749
TOTAL DIRECT STEEL CASTINGS	634	10,735	11,369	542	8,647	9,189
GRAND TOTAL	210,817	10,735	221,552	171,811	8,647	180,458

Table 6 AVERAGE MONTHLY PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS
IN CANADA, 1914 - 1925.
(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1914	58	62	1920	81	92
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

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) 1926-1927.

MONTH	PIG IRON						STEEL	
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1926	1927	1926	1927	1926	1927	1926	1927
January	25	22	32	30	57	52	69	59
February	20	20	30	31	50	51	53	56
March	22	25	31	51	53	76	59	107
April	21		47		68		80	
May	22		51		73		90	
June	21		50		71		81	
July	20		47		67		65	
August	14		45		59		46	
September	18		46		64		59	
October	22		48		70		64	
November	22		30		52		54	
December	23		31		54		58	
TOTAL	250	67	488	112	738	179	778	222
MONTHLY AVERAGE	21	22	41	37	61	60	65	74

Table 8. BLAST FURNACES IN CANADA, 1927

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

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	6	2,375	47
Banked	-	-	-
Blown out.....	9	2,650	53
Total furnaces reporting.....	15	5,025	100

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