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**PRODUCTION OF IRON AND STEEL**

in Canada

APRIL 1928

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## PRODUCTION OF IRON AND STEEL IN CANADA

APRIL 1928

PIG IRON.- Production of pig iron in Canada during April amounted to 74,736 long tons, a decline of 5 per cent from the 78,390 tons of March and 4 per cent below the 77,240 tons reported for April of a year ago. April figures show that the production of foundry iron advanced to 21,539 tons from 5,151 tons in March while the output of basic iron declined to 52,346 tons from 67,162 tons and malleable iron dropped to 851 tons from 6,077 tons in the previous month.

For the four months ending April the cumulative production of pig iron totalled 282,823 tons, an increase of 12 per cent over the 255,289 tons made during the corresponding period of last year and 24 per cent over the 227,248 tons produced in the first four months of 1926. This year's output included 217,817 tons of basic iron, 54,441 tons of foundry iron and 10,565 tons of malleable iron.

Blast furnace charges for the month included 126,348 long tons of imported iron ore, 9,609 short tons of Canadian limestone, 32,270 short tons of imported limestone and 80,896 short tons of coke. All of the coke charged to iron blast furnaces was made in Canada; 50,935 tons of the coke charged were made from imported coal and 29,961 tons were made from Canadian coal.

The number of furnaces in blast on April 30 remained the same as on March 31. 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 April at 4,504 tons was slightly under the 4,629 tons reported for the previous month; in April of last year 2,747 tons were produced. For the year to date the output of ferro-alloys totalled 17,808 tons, comprising two grades, one having a high manganese content and the other running from 15 to 50 per cent silicon.

**STEEL INGOTS AND CASTINGS.-** Production of steel ingots and castings in Canada amounted to 112,780 tons in April. This output was slightly under the 118,258 tons reported for March but better than the 109,107 tons produced in April, 1927. The decline in April tonnage from March was mostly in steel ingots which dropped to 108,801 tons from 114,003 tons; direct steel castings also dropped slightly to 3,979 tons from 4,255 tons.

For the four months ending April the cumulative production was 414,153 tons, an increase of 26 per cent over the 330,659 tons produced in the corresponding period of last year and 59 per cent over the 260,394 tons reported for the first four months of 1926. This year's output included 398,788 tons of steel ingots and 15,365 tons of direct steel castings.

**PRICES.-** Pig iron prices remained stationary in April, No. 1 and No. 2 foundry at Montreal being again quoted at \$25.00 to \$25.50 while at Toronto the prevailing quotations for these grades were still \$23.60 to \$24.10. The Bureau's index for iron and its products (1913 prices = 100) remained at 141.7. While demand is good and the iron and steel industry in a healthy condition, keen competition tends to keep prices from advancing.

**UNITED STATES.-** In the United States the production of pig iron for the 30 days of April averaged 106,030 tons per day, a gain of 2,815 tons per day or 2.6 per cent over the daily average of 103,215 tons in March. The percentage increase in April was less than the rate of gain of 3.2 per cent in March and 8 per cent in February. During April there were six furnaces blown in and seven shut down, a net loss of one.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	APRIL 1928			MARCH 1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	51,835	511	52,346	63,767	3,395	67,162
Foundry.....	120	21,419	21,539	-----	5,151	5,151
Malleable.....	-----	851	851	-----	6,077	6,077
TOTAL.....	51,955	22,781	74,736	63,767	14,623	78,390
Ferro-alloys.....	-----	4,504	4,504	-----	4,629	4,629

Table 2. CUMULATIVE PRODUCTION FOR THE FOUR MONTHS ENDING APRIL  
(Tons of 2240 lb.)

ITEM	1928			1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	212,939	4,878	217,817	181,275	4,166	185,441
Foundry.....	6,599	47,842	54,441	501	49,189	49,690
Malleable.....	-----	10,565	10,565	-----	20,158	20,158
TOTAL.....	219,538	63,285	282,823	181,776	73,513	255,289
Ferro-alloys.....	-----	17,808	17,808	-----	13,605	13,605

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

		APRIL 1928	MARCH 1928	YEAR TO DATE
Imported Iron ore.....	Long tons	126,348	134,698	491,096
Canadian Limestone.....	Short tons	9,609	11,399	41,864
Imported Limestone.....	" "	32,270	34,970	125,299
Coke made in Canada:-				
From Canadian coal.....	" "	29,961	31,329	120,503
From Imported coal.....	" "	50,935	53,366	194,511



# STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	APRIL 1928			MARCH 1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	106,868	-----	106,868	112,696	-----	112,696
Acid	-----	-----	-----	-----	-----	-----
Electric	817	53	870	896	60	956
Other	1,063	-----	1,063	351	-----	351
TOTAL STEEL INGOTS	108,748	53	108,801	113,943	60	114,003
STEEL CASTINGS:						
Open Hearth-Basic	210	1,478	1,688	181	1,624	1,805
Acid	-----	-----	-----	-----	-----	-----
Bessemer	14	155	169	7	167	174
Electric	8	2,114	2,122	6	2,270	2,276
TOTAL DIRECT STEEL CASTINGS	232	3,747	3,979	194	4,061	4,255
GRAND TOTAL	108,980	3,800	112,780	114,137	4,121	118,258

Table 5 CUMULATIVE PRODUCTION for the FOUR MONTHS ending APRIL

	1928			1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	392,372	-----	392,372	311,350	-----	311,350
Acid	-----	-----	-----	-----	-----	-----
Electric	3,540	113	3,653	-----	-----	-----
Other	2,580	183	2,763	3,373	-----	3,373
TOTAL STEEL INGOTS	398,492	296	398,788	314,723	-----	314,723
STEEL CASTINGS:						
Open Hearth-Basic	738	6,116	6,854	634	7,296	7,930
Acid	-----	-----	-----	-----	-----	-----
Bessemer	29	626	655	36	766	802
Electric	135	7,721	7,856	161	7,043	7,204
TOTAL DIRECT STEEL CASTINGS	902	14,463	15,365	831	15,105	15,936
GRAND TOTAL	399,394	14,759	414,153	315,554	15,105	330,659

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	25	53	50	77	75	109	113
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	97	461	186	709	283	907	414
MONTHLY AVERAGE	21	24	38	47	59	71	76	103

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 APRIL 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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