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on

**PRODUCTION OF IRON AND STEEL**

in Canada

MAY 1929

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## PRODUCTION OF IRON AND STEEL IN CANADA

MAY 1929

PIG IRON.- According to a statement issued by the Dominion Bureau of Statistics at Ottawa, the production of coke pig iron in Canada during May at 81,464 long tons was 3 per cent over the 79,341 tons of the preceding month but 7 per cent under the total of 87,811 tons reported for May of a year ago. Data for the month under review when compared with the figures for April show that the output of foundry iron declined to 5,800 tons from 19,039 tons while basic iron advanced to 63,972 tons from 57,639 tons and malleable iron rose to 11,692 tons from 2,663 tons.

Blast furnace charges during May included 141,282 long tons of imported iron ore, 47,692 short tons of limestone and 87,139 short tons of coke. Of the limestone, 12,017 tons were of Canadian origin; all of the coke made in Canada, 31,178 tons being from Canadian coal and 55,961 tons from imported coal. For the year to date furnace charges totalled 738,129 tons of ore, 239,148 tons of limestone and 461,813 tons of coke.

The number of furnaces in blast on May 31 remained at 6, the same as at April 30. Active furnaces had a daily capacity of 2,475 long tons per day, or 60 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.

For the five months ending May the production of pig iron totalled 428,684 tons as compared with 370,634 tons during the corresponding period of 1928 and 334,276 tons during the first five months of 1927. This year's output to date included 333,699 tons of basic iron, 70,800 tons of foundry iron and 24,185 tons of malleable iron.

FERRO-ALLOYS.- Production of ferro-alloys during May at 6,351 tons was 11 per cent over the 5,744 tons reported for April. The cumulative production for the five months ending May totalled 30,332 tons as compared with an output of 21,857 tons during the corresponding period of last year.

STEEL INGOTS AND CASTINGS.- Production of steel ingots and direct steel castings in Canada during May amounted to 126,372 tons, as compared with 122,102 tons in the preceding month and 117,655 tons in May of last year. As compared with figures for April the data for the month under review show a gain in steel ingots to 120,015 tons from 115,882 tons and an increase in steel castings to 6,357 tons from 6,220 tons.

For the five months ending May, production totalled 619,337 tons, an increase of 17 per cent over the 531,808 tons reported for the corresponding period of a year ago and 45 per cent over the 427,370 tons produced during the first five months of 1927. This year's output included 590,259 tons of steel ingots and 29,078 tons of steel castings.

PRICES.- Prices for pig iron were unchanged in May; the middle of the month quotations at Montreal being No. 1 foundry, \$25.50 to \$26.00 and No. 2 foundry, \$25.00 to \$25.50. At Toronto No. 1 foundry was \$24.60 and No. 2 foundry, \$24.10. The Bureau's index for the group "Iron and its Products" rose slightly in May being 94.1 as compared with 93.5 in April. The higher level was due mainly to increases in the price of tinplate and cast iron pipe.

UNITED STATES.- In the United States a new record for pig iron production was made in May. The daily output was 125,745 long tons. This total exceeded by almost 1,000 tons, the best previous daily rate established in May, 1923, at 124,764 tons. The average daily April output was 122,087 tons. During May 6 furnaces were blown in and 2 were shut down, a net gain of 4.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	MAY 1929			APRIL 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	63,972	-----	63,972	57,189	450	57,639
Foundry.....	170	5,630	5,800	97	18,942	19,039
Malleable.....	-----	11,692	11,692	-----	2,663	2,663
TOTAL.....	64,142	17,322	81,464	57,286	22,055	79,341
Ferro-alloys.....	-----	6,351	6,351	-----	5,744	5,744

Table 2. CUMULATIVE PRODUCTION FOR THE FIVE MONTHS ENDING MAY  
(Tons of 2240 lb.)

ITEM	1929			1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	332,625	1,074	333,699	280,893	5,869	286,762
Foundry.....	706	70,094	70,800	6,750	55,358	62,108
Malleable.....	-----	24,185	24,185	-----	21,764	21,764
TOTAL.....	333,331	95,353	428,684	287,643	82,991	370,634
Ferro-alloys.....	-----	30,332	30,332	-----	21,857	21,857

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

		MAY 1929	APRIL 1929	YEAR TO DATE
Imported Iron ore.....	Long tons	141,282	135,872	738,129
Canadian Limestone.....	Short tons	12,017	10,743	53,165
Imported Limestone.....	" "	35,675	33,722	185,983
Coke made in Canada:-				
From Canadian coal.....	" "	31,178	29,293	191,983
From Imported coal.....	" "	55,961	55,294	247,427
Imported coke.....	" "	-----	-----	22,403

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	MAY 1929			APRIL 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	115,891	3,114	119,005	114,114	96	114,210
Acid	-----	-----	-----	-----	-----	-----
Electric	739	-----	739	705	-----	705
Other	271	-----	271	967	-----	967
TOTAL STEEL INGOTS	116,901	3,114	120,015	115,786	96	115,882
STEEL CASTINGS:						
Open Hearth-Basic	195	3,036	3,231	181	3,049	3,230
Acid	-----	-----	-----	-----	-----	-----
Bessemer	5	234	239	4	208	212
Electric	6	2,881	2,887	23	2,755	2,778
TOTAL DIRECT STEEL CASTINGS	206	6,151	6,357	208	6,012	6,220
GRAND TOTAL	117,107	9,265	126,372	115,994	6,108	122,102

Table 5 CUMULATIVE PRODUCTION for the FIVE MONTHS ending MAY

	1929			1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	576,938	3,629	580,567	504,860	-----	504,860
Acid	-----	-----	-----	-----	-----	-----
Electric	4,550	-----	4,550	4,392	161	4,553
Other	5,142	-----	5,142	2,937	183	3,120
TOTAL STEEL INGOTS	586,630	3,629	590,259	512,189	344	512,533
STEEL CASTINGS:						
Open Hearth-Basic	909	6,463	7,372	958	7,695	8,653
Acid	24	7,254	7,278	-----	-----	-----
Bessemer	34	1,314	1,348	46	747	793
Electric	53	13,027	13,080	147	9,682	9,829
TOTAL DIRECT STEEL CASTINGS	1,020	28,058	29,078	1,151	18,124	19,275
GRAND TOTAL	587,650	31,687	619,337	513,340	18,468	531,808

Table 6 AVERAGE MONTHLY PRODUCTION OF  
PIG IRON, STEEL INGOTS AND CASTINGS  
IN CANADA, 1916 - 1927.  
(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
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
1921	50	56	1927	59	76

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) 1928-1929.

MONTH	PIG IRON						STEEL	
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1928	1929	1928	1929	1928	1929	1928	1929
January	22	21	43	67	65	88	84	116
February	24	41	41	53	65	94	99	117
March	26	32	52	54	78	86	118	137
April	25	24	50	55	75	79	113	122
May	24	24	64	57	88	81	118	126
June	24		73		97		117	
July	21		74		95		83	
August	23		69		92		89	
September	24		67		91		100	
October	25		68		93		109	
November	30		65		95		108	
December	35		68		103		103	
TOTAL	303	142	734	286	1,037	428	1,241	618
MONTHLY AVERAGE	25	29	61	57	86	86	103	124

Table 8. BLAST FURNACES IN CANADA, 1928 REVISED

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	300
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	825
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600
TOTAL		11	4,125

Table 9. DESCRIPTION OF FURNACES AT END OF MAY 1929

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	6	2,475	60
Banked.....	-	-	-
Blown out.....	5	1,650	40
Total furnaces reporting.....	11	4,125	100

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