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on

**PRODUCTION OF IRON AND STEEL**

in Canada

FEBRUARY 1929

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**PRODUCTION OF IRON AND STEEL IN CANADA**

**FEBRUARY 1929**

**PIG IRON.**— Production of pig iron in Canada during February amounted to 93,939 long tons. This output, which was the highest ever reported for the month of February, exceeded by 7 per cent the production of 87,764 tons in January and was 45 per cent above the total of 64,691 tons produced in February of a year ago.

The advance in February as compared with the preceding month was due to an increased output in Nova Scotia where production rose to approximately 41,000 tons from 21,000 tons, this gain being more than enough to offset the drop in Ontario's tonnage to 53,000 tons from 67,000 tons. By grades the increase was in basic iron which rose to 82,835 tons from 55,183 and in malleable iron which advanced to 5,157 tons from 525 tons; tonnage of foundry iron declined to 5,947 tons from 32,056 tons.

Blast furnace charges during the month included 151,722 long tons of imported iron ore, 43,960 short tons of limestone and 95,504 short tons of coke. Of the limestone, 9,411 tons was of Canadian origin, and of the coke, 89,157 tons was made in Canada, 39,337 being from Canadian coal and 49,820 tons from imported coal; the balance was imported in each case.

During the month one furnace at Port Colborne, Ontario, was blown out leaving 7 furnaces in blast on February 28. The active furnaces had a total capacity of 2,775 long tons per day or about 67 per cent of the total capacity of all iron blast furnaces in Canada. They were located as follows: 3 at Sydney, N.S.; 2 at Hamilton, Ont.; and 2 at Sault Ste. Marie, Ont.

Cumulative production for the two months ending February, 1929, totalled 181,703 tons, an increase of 40 per cent over the 129,697 tons reported for the corresponding period of last year. This year's output included 138,018 tons of basic iron, 33,003 tons of foundry iron and 5,682 tons of malleable iron.

FERRO-ALLOYS.- Production of ferro-alloys in Canada during February amounted to 5,790 tons, a decline of 11 per cent from the record of 6,475 tons established in January.

STEEL INGOTS AND CASTINGS.- Production of steel ingots and direct steel castings in Canada during February totalled 117,445 tons or 1 per cent over the total of 116,260 tons made in January. This tonnage established a new record for the month of February, being 19 per cent in excess of the output of 98,820 tons in February last year. Tonnage of ingots made in February advanced to 112,027 tons from 111,006 tons in January and the quantity of steel castings rose to 5,418 tons from 5,254 tons in the previous month.

For the two months ending February the cumulative production totalled 233,705 tons, an increase of 27 per cent over the 183,115 tons reported for the corresponding period of 1928. This year's output included 223,033 tons of steel ingots and 10,672 tons of castings. Of the castings, 700 tons were from basic open hearth furnaces; 4,733 tons from acid open hearth furnaces; 4,674 tons from electric furnaces and 565 tons from converters.

PRICES.- Pig iron prices were again unchanged in February. No. 1 Foundry delivered Montreal being still quoted at \$25.50 to \$26.00 and No. 2 Foundry at \$25.00 to \$25.50. At Toronto No. 1 and No. 2 Foundry were again quoted at \$24.10 to \$24.60. Iron and steel products were quiet during February the Bureau's index for this group, on the base 1926 prices = 100, showing no change from the January level of 93.3.

UNITED STATES.- In the United States the February production of pig iron was the largest for any month since April 1926, and exceeded all February records except in 1925. February output averaged 114,507 tons per day as compared with 115,004 tons per day in April 1926, and with the daily average of 114,791 tons in February 1925. During the month 4 furnaces were shut down and 3 blown in, a net gain of 5 active furnaces.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	FEBRUARY 1929			JANUARY 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	82,641	194	82,835	54,975	208	55,183
Foundry.....	151	5,796	5,947	143	31,913	32,056
Malleable.....	-----	5,157	5,157	-----	525	525
TOTAL.....	82,792	11,147	93,939	55,118	32,646	87,764
Ferro-alloys.....	-----	5,790	5,790	-----	6,475	6,475

Table 2. CUMULATIVE PRODUCTION FOR THE TWO MONTHS ENDING FEBRUARY  
(Tons of 2240 lb.)

ITEM	1929			1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	137,616	402	138,018	97,337	972	98,309
Foundry.....	294	37,709	38,003	6,479	21,272	27,751
Malleable.....	-----	5,682	5,682	-----	3,637	3,637
TOTAL.....	137,910	43,793	181,703	103,816	25,881	129,697
Ferro-alloys.....	-----	12,265	12,265	-----	8,675	8,675

Table 3. BLAST FURNACE CHARGES - FEBRUARY, JANUARY 1929, AND YEAR TO DATE

				YEAR 1929
		FEBRUARY 1929	JANUARY 1929	
Imported Iron ore.....	Long tons	151,722	154,497	306,219
Canadian Limestone.....	Short tons	9,411	10,446	19,857
Imported Limestone.....	" "	40,549	35,911	76,460
Coke made in Canada:-				
From Canadian coal.....	" "	39,337	26,640	65,977
From Imported coal.....	" "	49,820	56,881	106,701
Imported coke.....	" "	6,347	12,354	18,701



# STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	FEBRUARY 1929			JANUARY 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	109,976	241	110,217	108,347		108,347
Acid						
Electric	841		841	1,035		1,035
Other	969		969	1,624		1,624
TOTAL STEEL INGOTS	111,786	241	112,027	111,006		111,006
STEEL CASTINGS:						
Open Hearth-Basic	174	298	472	175	53	228
Acid	5	2,212	2,217	15	2,501	2,516
Bessemer	10	321	331	8	226	234
Electric	8	2,390	2,398	6	2,270	2,276
TOTAL DIRECT STEEL CASTINGS	197	5,221	5,418	204	5,050	5,254
GRAND TOTAL	111,983	5,462	117,445	111,210	5,050	116,260

Table 5 CUMULATIVE PRODUCTION for the TWO MONTHS ending FEBRUARY

	1929			1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	218,323	241	218,564	172,808		172,808
Acid						
Electric	1,876		1,876	1,827		1,827
Other	2,593		2,593	1,166	183	1,349
TOTAL STEEL INGOTS	222,792	241	223,033	175,801	183	175,984
STEEL CASTINGS:						
Open Hearth-Basic	349	351	700	347	3,014	3,361
Acid	20	4,713	4,733			
Bessemer	18	547	565	8	304	312
Electric	14	4,660	4,674	121	3,337	3,458
TOTAL DIRECT STEEL CASTINGS	401	10,271	10,672	476	6,655	7,131
GRAND TOTAL	223,193	10,512	233,705	176,277	6,838	183,115

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		52		78		118	
April	25		50		75		113	
May	24		64		88		118	
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	62	734	120	1,037	182	1,241	233
MONTHLY AVERAGE	25	31	61	60	86	91	103	116

Table 8. ELAST 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 FEBRUARY 1929

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	7	2,775	67
Banked	-	-	-
Blown out	4	1,350	33
Total furnaces reporting	11	4,125	100

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