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on

**PRODUCTION OF IRON AND STEEL**

in Canada

**JANUARY 1929**

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**PRODUCTION OF IRON AND STEEL IN CANADA**

**JANUARY 1929**

**PIG IRON.**— Production of pig iron in Canada during January at 87,764 long tons was the largest output reported for January since 1919 when the tonnage was 93,000 tons. This month's output was 15 per cent under the 103,450 tons reported for December; in January of a year ago 65,006 tons were produced. The decline from December was due to lowered outputs of the basic and foundry grades. Basic iron dropped to 55,183 tons from 66,047 tons, foundry iron to 32,056 tons from 37,403 tons and 525 tons of malleable iron were produced, none of this grade being reported for December.

Blast furnace charges for January included 154,497 long tons of imported iron ore, 46,357 short tons of limestone and 95,875 short tons of coke. Of the limestone, only 10,446 tons were of Canadian origin and, of the coke, 26,640 tons were made in Canada from Canadian coal and 56,881 tons were made in Canada from imported coal. The balance was imported in each case.

The number of furnaces in blast on January 31 remained the same as at the end of December and were located as follows: 3 at Sydney, N.S., 2 at Hamilton, Ont.; 2 at Sault Ste. Marie, Ont., and 1 at Port Colborne, Ont. The active furnaces had a daily capacity of 3,075 long tons per day, or about 75 per cent of the total capacity of all the iron blast furnaces in Canada.

**FERRO-ALLOYS.-** Production of ferro-alloys in Canada established a new record in January at 6,475 long tons. This tonnage was 25 per cent greater than the 5,160 tons of December and 40 per cent over the 4,619 tons of January, 1928. Production included high grade ferro-manganese and ferrosilicon running from 15 to 50 per cent silicon.

**STEEL INGOTS AND CASTINGS.-** Production in Canada during January of steel ingots and direct steel castings at 116,260 long tons was greater than in any previous January since the record of 117,000 tons reached in January, 1917. This output was 12 per cent higher than the 103,054 tons of December and was 38 per cent above the 84,295 tons produced in January last year. Compared with December, the January output showed a gain for both ingots and castings; steel ingots rose to 111,006 tons from 98,804 tons and direct steel castings to 5,254 tons from 4,250 tons.

**PRICES.-** Pig iron prices were again unchanged in January. At Montreal, No. 1 foundry was quoted at \$25.50 to \$26.00 and No. 2 foundry at \$25.00 to \$25.50. At Toronto both grades were still \$24.10 to \$24.60. The Bureau's revised index for the group "Iron and its Products" (on the base 1926 = 100) rose from 93.0 in December to 93.3 in January, chiefly because of advances in wire and in some lines of hardware.

**UNITED STATES.-** In the United States the rate of pig iron production during January at 111,044 tons a day was 2.15 per cent over the average of 108,705 tons per day in December. This output was not only the greatest for any January but was the largest in terms of daily average for any month since April, 1927. This record was accounted for by the growing demand for automobile and railroad steel.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	JANUARY 1929			DECEMBER 1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	54,975	208	55,183	65,419	628	66,047
Foundry.....	143	31,913	32,056	148	37,255	37,403
Malleable.....	-----	525	525	-----	-----	-----
TOTAL.....	55,118	32,646	87,764	65,567	37,883	103,450
Ferro-alloys.....	-----	6,475	6,475	-----	5,160	5,160

Table 2. CUMULATIVE PRODUCTION FOR THE TWELVE MONTHS ENDING DECEMBER  
(Tons of 2240 lb.)

ITEM	1928			1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	711,191	13,370	724,561	512,771	10,930	523,701
Foundry.....	7,838	225,298	233,136	7,030	138,757	145,787
Malleable.....	-----	79,838	79,838	-----	40,209	40,209
TOTAL.....	719,029	318,506	1,037,535	519,801	189,896	709,697
Ferro-alloys.....	-----	45,233	45,233	-----	56,514	56,514

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

		JANUARY 1929	DECEMBER 1928	YEAR 1928
Imported Iron ore.....	Long tons	154,497	182,245	1,801,937
Canadian Limestone.....	Short tons	10,446	8,387	121,165
Imported Limestone.....	" "	35,911	48,154	445,489
Coke made in Canada:-				
From Canadian coal.....	" "	26,640	44,949	380,263
From Imported coal.....	" "	56,881	56,677	675,462
Imported coke.....	" "	12,354	9,794	71,284



# STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	JANUARY 1929			DECEMBER 1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	108,347	-----	108,347	97,627	-----	97,627
Acid	-----	-----	-----	-----	-----	-----
Electric	1,035	-----	1,035	913	-----	913
Other	1,624	-----	1,624	264	-----	264
TOTAL STEEL INGOTS	111,006	-----	111,006	98,804	-----	98,804
STEEL CASTINGS:						
Open Hearth-Basic	175	53	228	197	1,851	2,048
Acid	15	2,501	2,516	-----	-----	-----
Bessemer	8	226	234	11	218	229
Electric	6	2,270	2,276	5	1,968	1,973
TOTAL DIRECT STEEL CASTINGS	204	5,050	5,254	213	4,037	4,250
GRAND TOTAL	111,210	5,050	116,260	99,017	4,037	103,054

Table 5 CUMULATIVE PRODUCTION for the TWELVE MONTHS ending DECEMBER

	1928			1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	1,179,332	-----	1,179,332	861,349	-----	861,349
Acid	-----	-----	-----	-----	-----	-----
Electric	9,199	184	9,383	-----	-----	52
Other	7,883	183	8,066	6,445	134	6,527
TOTAL STEEL INGOTS	1,196,414	367	1,196,781	867,794	134	867,928
STEEL CASTINGS:						
Open Hearth-Basic	2,346	18,360	20,706	1,998	16,521	18,519
Acid	-----	-----	-----	-----	-----	-----
Bessemer	103	1,938	2,041	79	2,072	2,151
Electric	377	20,309	20,686	225	18,815	19,040
TOTAL DIRECT STEEL CASTINGS	2,826	40,607	43,433	2,302	37,408	39,710
GRAND TOTAL	1,199,240	40,974	1,240,214	870,096	37,542	907,638

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		65		99	
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	21	734	67	1,037	88	1,241	116
MONTHLY AVERAGE	25	21	61	67	86	88	103	116

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 JANUARY 1929

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	8	3,075	75
Banked .....	-	-	-
Blown out.....	3	1,050	25
Total furnaces reporting.....	11	4,125	100



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Date	Description	Amount	Remarks
1954	...	...	...
1955	...	...	...
1956	...	...	...
1957	...	...	...

Date	Description	Amount	Remarks
1958	...	...	...
1959	...	...	...