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of

PRODUCTION OF IRON AND STEEL

in Canada

January 1928

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PRODUCTION OF IRON AND STEEL IN CANADA

January 1928

PIG IRON.- Production of pig iron in Canada during January amounted to 65,006 long tons marking a slight increase over the 63,197 tons made in December, 1927. Production in January of a year ago amounted to 51,717 tons and in January, 1926, the total was 56,644 tons. The increase in January, 1928, over the previous month was due to the greater production of foundry and malleable iron; the advance in these two grades was more than enough to offset the decline in the output of basic iron. The tonnage of foundry iron increased to 17,883 tons from 6,708 tons and 3,637 tons of malleable iron were made in January whereas none of this grade was produced in December. Output of basic pig iron dropped to 43,486 tons from 56,489 tons in the previous month.

Blast furnace charges for January included 114,046 long tons of imported iron ore, 74,408 short tons of coke and 38,123 short tons of limestone.

During the month one furnace at Sault Ste. Marie, Ontario, was blown out leaving only 5 furnaces in blast on January 31st. The active furnaces had a daily capacity of 1,825 long tons or 36 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, Ontario, and 1 at Sault Ste. Marie, Ontario.

FERRO-ALLOYS.- Production of ferro-alloys in Canada increased to 4,619 long tons in January as compared with 4,353 tons in December. In January of a year ago the production amounted to 3,926 tons and in January, 1926, the output was 2,224 tons.

STEEL INGOTS AND CASTINGS.- At 84,295 tons production of steel ingots and direct steel castings in Canada during January was 15 per cent less than the 96,248 tons produced in December but 44 per cent higher than the output of 58,551 tons reported in January 1927.

Comparison of January figures with those for December showed a lowered output of steel ingots. This grade dropped to 81,316 tons from 93,804 tons while direct steel castings were slightly higher at 2,979 tons as compared with 2,444 tons in the previous month.

Pig iron prices were again unchanged in January. No. 1 and No. 2 foundry pig iron at Montreal were still quoted at \$26.00 to \$26.50 while at Toronto the prevailing price for these grades was again \$23.60 to \$24.10. Iron and steel markets were generally quiet during January, the Bureau's index for iron and its products (1913 prices = 100) showing no change from the previous month's level of 141.7.

In the United States the rate of pig iron production in January amounted to 92,573 tons per day, marking a gain of 6.4 per cent over the 86,960 tons per day in December. A feature of the January operations was the net gain of 16 active furnaces, 21 having been blown in and 5 blown out or banked during the month.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	JANUARY 1928			DECEMBER 1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	43,136	350	43,486	56,360	129	56,489
Foundry.....	6,479	11,404	17,883	126	6,582	6,708
Malleable.....	.....	3,637	3,637	.....	.....	.....
TOTAL.....	49,615	15,391	65,006	56,486	6,711	63,197
Ferro-alloys.....	.....	4,619	4,619	.....	4,353	4,353

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

ITEM	1927			1926		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	512,771	10,930	523,701	457,726	18,974	476,700
Foundry.....	7,030	138,757	145,787	2,302	236,347	238,649
Malleable.....	.....	40,209	40,209	.....	41,968	41,968
TOTAL.....	519,801	189,896	709,697	460,028	297,289	757,317
Ferro-alloys.....	.....	56,514	56,514	.....	57,416	57,416

Table 3. BLAST FURNACE CHARGES - JANUARY 1928, DECEMBER, AND TWELVE MONTHS
OF 1927

				YEAR
				1927
				JANUARY 1928 DECEMBER 1927
Canadian Iron ore.....	Long tons	.....	.....	.....
Imported Iron ore.....	" "	114,046	114,921	1,263,990
Coke.....	Short tons	74,408	74,107	798,288
Limestone.....	" "	38,123	41,855	407,377

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	JANUARY 1928			DECEMBER 1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	80,882	-----	80,882	93,469	-----	93,469
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Other	357	77	434	283	52	335
TOTAL STEEL INGOTS	81,239	77	81,316	93,752	52	93,804
STEEL CASTINGS:						
Open Hearth-Basic	165	1,317	1,482	169	760	929
Acid	-----	-----	-----	-----	-----	-----
Bessemer	3	149	152	3	144	147
Electric	26	1,319	1,345	4	1,364	1,368
TOTAL DIRECT STEEL CASTINGS	194	2,785	2,979	176	2,268	2,444
GRAND TOTAL	81,433	2,862	84,295	93,928	2,320	96,248

Table 5 CUMULATIVE PRODUCTION for the TWELVE MONTHS ending DECEMBER

	1927			1926		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	861,349	-----	861,349	726,852	25	726,877
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Other	6,445	134	6,579	16,673	-----	16,673
TOTAL STEEL INGOTS	867,794	134	867,928	743,525	25	743,550
STEEL CASTINGS:						
Open Hearth-Basic	1,998	16,521	18,519	1,902	17,553	19,455
Acid	-----	-----	-----	-----	-----	-----
Bessemer	79	2,072	2,151	87	1,551	1,638
Electric	225	18,815	19,040	85	12,160	12,245
TOTAL DIRECT STEEL CASTINGS	2,302	37,408	39,710	2,074	31,264	33,338
GRAND TOTAL	870,096	37,542	907,638	745,599	31,289	776,888

Table 5 AVERAGE MONTHLY PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1915 - 1928.

(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		31		51		56	
March	25		51		76		107	
April	24		53		77		109	
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	22	459	43	709	65	907	84
MONTHLY AVERAGE	21	22	38	43	59	65	76	84

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 JANUARY 1928

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	5	1,825	36
Banked	-	-	-
Blown out.....	10	3,200	64
Total furnaces reporting.....	15	5,025	100

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