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PRODUCTION OF IRON AND STEEL

in Canada

MAY 1928

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PRODUCTION OF IRON AND STEEL IN CANADA

MAY 1928

FIG IRON.- Production of pig iron in Canada during May at 87,811 long tons was 18 per cent over the 74,736 tons of the preceding month and compares with 78,987 tons produced in May last year. While the production of foundry iron fell off sharply, this loss was more than offset by the increased output of the basic and malleable grades. Foundry iron dropped to 7,667 tons from 21,539 tons in April; basic iron rose to 68,945 tons from 52,346, and malleable iron advanced to 11,199 tons from 851 tons.

For the five months ending May the cumulative production was 370,634 tons, an increase of 11 per cent over the 334,276 tons produced during the corresponding period of a year ago. This year's output included 286,762 tons of basic iron, 62,108 tons of foundry iron, and 21,764 tons of malleable iron. The bulk of the basic iron was made for the further use of the producers while most of the foundry and all of the malleable was made for sale.

Furnace charges for the month included 151,069 long tons of imported iron ore, 49,117 short tons of limestone and 95,067 short tons of Canadian coke. Of the limestone, 10,600 tons were produced in Canada; of the coke 29,671 tons were from Canadian coal. For the five months ending May, furnace charges totalled 642,165 long tons of iron ore, 216,280 short tons of limestone and 410,081 tons of coke.

During the month two additional furnaces were blown in, one at Sault Ste. Marie and one at Port Colborne, Ontario, resulting in eight furnaces being in blast on May 31. The active furnaces had a daily capacity of 3,150 long tons per day or 63 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; 3 at Sault Ste. Marie, Ontario; and 1 at Port Colborne, Ontario.

FERRO-ALLOYS.- Production of ferro-alloys in Canada during May at 4,049 tons was 10 per cent under the 4,504 tons of April. This month's output included two grades, one having a high manganese content and the other running up to 50 per cent silicon.

STEEL INGOTS AND CASTINGS.- Production of steel ingots and castings in Canada during May amounted to 117,655 tons, an increase of 4 per cent over the 112,780 tons of April, and 22 per cent over the 96,711 tons produced in May of a year ago. This month's gain over April was wholly accounted for by the increased output of basic open hearth steel ingots which advanced to 112,488 tons from 106,868 tons. The total output of steel ingots, all grades, was 113,715 tons in May as compared with 108,801 tons in the previous month, and the production of direct steel castings was maintained at 3,910 tons as against 3,979 tons in April.

For the five months ending May, the cumulative production totalled 531,808 tons, an increase of 24 per cent over the 427,370 tons produced during the corresponding period of last year. This year's output, to date, included 512,533 tons of steel ingots and 19,275 tons of direct steel castings.

PRICES.- Pig iron prices were again unchanged in May, No. 1 and No. 2 foundry at Montreal being quoted at \$25.00 to \$25.50 while, at Toronto, both grades were \$23.60 to \$24.10. The Bureau's index for "Iron and Its Products" was practically stationary, being 141.7 as compared with 141.5 in April.

UNITED STATES.- In the United States, iron blast furnace operations were maintained at about the same rate in May as in April, the average daily rate showing a loss of less than 1 per cent. The daily rate in May was 105,931 long tons, and in April, 106,183 tons. During the month 8 furnaces were blown in and 5 were shut down or banked, a net gain of 3 active furnaces.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	MAY 1928			APRIL 1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	67,954	991	68,945	51,835	511	52,346
Foundry.....	151	7,516	7,667	120	21,419	21,539
Malleable.....	-----	11,199	11,199	-----	851	851
TOTAL.....	68,105	19,706	87,811	51,955	22,781	74,736
Ferro-alloys.....	-----	4,049	4,049	-----	4,504	4,504

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

ITEM	1928			1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	280,893	5,869	286,762	242,919	6,607	249,526
Foundry.....	6,750	55,358	62,108	611	63,981	64,592
Malleable.....	-----	21,764	21,764	-----	20,158	20,158
TOTAL.....	287,643	82,991	370,634	243,530	90,746	334,276
Ferro-alloys.....	-----	21,857	21,857	-----	20,555	20,555

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

		MAY 1928	APRIL 1928	YEAR TO DATE
Imported Iron ore.....	Long tons	151,069	126,348	642,165
Canadian Limestone.....	Short tons	10,600	9,609	52,464
Imported Limestone.....	" "	38,517	32,270	163,816
Coke made in Canada:-				
From Canadian coal.....	" "	29,671	29,961	150,174
From Imported coal.....	" "	65,396	50,935	259,907

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	MAY 1928			APRIL 1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	112,488	-----	112,488	106,868	-----	106,868
Acid	-----	-----	-----	-----	-----	-----
Electric	852	48	900	817	53	870
Other	357	-----	357	1,063	-----	1,063
TOTAL STEEL INGOTS	113,694	48	113,745	108,748	53	108,801
STEEL CASTINGS:						
Open Hearth-Basic	220	1,579	1,799	210	1,478	1,688
Acid	-----	-----	-----	-----	-----	-----
Bessemer	17	121	138	14	155	169
Electric	12	1,961	1,973	8	2,114	2,122
TOTAL DIRECT STEEL CASTINGS	249	3,661	3,910	232	3,747	3,979
GRAND TOTAL	113,946	3,709	117,655	108,980	3,800	112,780

Table 5 CUMULATIVE PRODUCTION for the FIVE MONTHS ending MAY

	1928			1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	504,860	-----	504,860	402,860	-----	402,860
Acid	-----	-----	-----	-----	-----	-----
Electric	4,392	161	4,553	-----	-----	-----
Other	2,937	183	3,120	4,090	-----	4,090
TOTAL STEEL INGOTS	512,189	344	512,533	406,950	-----	406,950
STEEL CASTINGS:						
Open Hearth-Basic	958	7,695	8,653	820	9,448	10,268
Acid	-----	-----	-----	-----	-----	-----
Bessemer	46	747	793	43	938	981
Electric	147	9,682	9,829	177	8,994	9,171
TOTAL DIRECT STEEL CASTINGS	1,151	18,124	19,275	1,040	19,380	20,420
GRAND TOTAL	513,340	18,468	531,808	407,990	19,380	427,370

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	24	55	64	79	88	97	118
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	121	461	250	709	371	907	532
MONTHLY AVERAGE	21	24	38	50	59	74	76	106

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 MAY 1928

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	8	3,150	63
Banked	-	-	-
Blown out.....	7	1,875	37
Total furnaces reporting	15	5,025	100

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