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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

JANUARY, 1926

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PRODUCTION OF IRON AND STEEL IN CANADA

January, 1926

PIG IRON AND FERRO-ALLOYS - January production of coke pig iron in Canada amounted to 56,644 long tons, an increase of 3 per cent over the 54,889 tons of December and more than double the 28,302 tons reported for January of a year ago.

Basic pig iron accounted for 44,749 tons or 79 per cent of the total, foundry iron 10,538 tons and malleable iron 1,357 tons as compared with the December output of 38,320 tons of basic iron, 1,972 tons of foundry iron and 14,597 tons of malleable iron. In January, 78 per cent of the total output was made for the further use of the producers. Nova Scotia produced 43 per cent of the total output and 55 per cent of the basic iron.

Blast furnace charges consisted of 102,792 long tons of imported iron ore, 63,478 short tons of coke and 34,560 short tons of limestone. For each long ton of pig iron made the materials charged to blast furnaces included 4,065 pounds of imported iron ore, 2,241 pounds of coke and 1,220 pounds of limestone.

On January 31, there were five furnaces in blast, the same number as in December. The active furnaces had a daily capacity of 1,825 tons per day or about 36 per cent of the total Dominion capacity and were located as follows: 2 at Sydney, N.S.; 2 at Hamilton, Ont., and 1 at Sault Ste. Marie, Ont.

Production of ferro-alloys at 2,224 tons was 26 per cent under the 3,008 tons of December but showed little change from the average monthly production in 1925 of 2,142 tons. The January output consisted mostly of the grade having a high manganese content, but small quantities of ferrosilicon were also produced.

STEEL INGOTS AND CASTINGS - At 68,336 long tons, the January production of steel ingots and castings in Canada showed an increase of 10 per cent over the 62,353 tons of December and a similar increase over the average monthly output of 63,000 tons in 1925.

Steel ingots made for the further use of the producers accounted for 66,221 tons as compared with an output of 60,699 tons of this grade in December, an increase of 9 per cent. Steel castings at 2,315 tons rose 40 per cent over the 1,654 tons of the preceding month and consisted of 1,224 tons of basic open hearth castings, 114 tons of bessemer castings and 977 tons of electric castings.

Pig iron prices at Montreal were higher in January, both No. 1 and No. 2 foundry being quoted at \$29.25 as compared with \$28.75 in December. At Toronto, prices were unchanged, No. 1 foundry being quoted at \$26.85 and No. 2 at \$26.35. The Bureau's index number for iron and its products (prices in 1913 = 100) was slightly higher, having risen from 147.3 in December to 147.5 in January.

January production of pig iron in the United States at 106,974 tons per day showed an increase of 2 per cent over the daily rate of 104,853 tons in December. Despite the gain in output there was a net loss of 10 active furnaces, 15 having been blown out or banked and 5 blown in during the month. This loss in the number of furnaces in blast is the first recorded since June, 1925, and contrasts with a gain of 14 active furnaces in December last.

PIG IRON AND FERRO ALLOYS IN CANADA

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

ITEM	JANUARY 1926			DECEMBER 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	44,034	715	44,749	38,320		38,320
Foundry.....	75	10,463	10,538	69	1,903	1,972
Malleable.....		1,357	1,357		14,597	14,597
TOTAL.....	44,109	12,535	56,644	38,389	16,500	54,889
Ferro-alloys.....		2,224	2,224		3,008	3,008

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

ITEM	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	422,805	1,710	424,515	347,461	6,866	354,327
Foundry.....	304	101,690	101,994	1,512	178,867	180,379
Malleable.....	936	42,952	43,888	12,891	45,427	58,318
TOTAL.....	424,045	146,352	570,397	361,864	231,160	593,024
Ferro-alloys.....		25,709	25,709		26,400	26,400

TABLE 3. BLAST FURNACE CHARGES - JANUARY 1926, DECEMBER AND YEAR 1925

		JANUARY 1926	DECEMBER 1925	TOTAL 1925
Canadian Iron ore.....	Long tons			6,098
Imported Iron ore.....	" "	102,792	99,925	1,023,486
Coke.....	Short tons	63,478	59,972	636,594
Limestone.....	" "	34,560	32,071	322,882

STEEL INGOTS AND CASTINGS IN CANADA

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

	JANUARY 1926			DECEMBER 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	65,610	-----	65,610	59,544	-----	59,544
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Other	611	-----	611	1,155	-----	1,155
TOTAL STEEL INGOTS	66,221	-----	66,221	60,699	-----	60,699
STEEL CASTINGS:						
Open Hearth-Basic	176	1,048	1,224	200	504	704
Acid	-----	-----	-----	-----	-----	-----
Bessemer	5	109	114	11	137	148
Electric	1	976	977	1	801	802
TOTAL DIRECT STEEL CASTINGS	182	2,133	2,315	212	1,442	1,654
GRAND TOTAL	66,403	2,133	68,536	60,911	1,442	62,353

Table 5 CUMULATIVE PRODUCTION For the TWELVE MONTHS ending DECEMBER

	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	722,603	-----	722,603	620,510	-----	620,510
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Other	11,252	-----	11,252	4,665	-----	4,665
TOTAL STEEL INGOTS	733,855	-----	733,855	625,175	-----	625,175
STEEL CASTINGS:						
Open Hearth-Basic	1,540	7,471	9,011	1,234	16,373	17,607
Acid	-----	-----	-----	-----	782	782
Bessemer	78	1,674	1,752	48	1,319	1,367
Electric	34	8,043	8,077	144	5,615	5,759
TOTAL DIRECT STEEL CASTINGS	1,652	17,188	18,840	1,426	24,089	25,515
GRAND TOTAL	735,507	17,188	752,695	626,601	24,089	650,690

Table 6 AVERAGE MONTHLY PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1913 - 1924.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1913	84	87	1919	68	77
1914	58	62	1920	81	92
1915	68	76	1921	50	56
1916	87	106	1922	32	40
1917	87	130	1923	73	74
1918	89	140	1924	49	54

TABLE 7 PRODUCTION OF PIG IRON BY MONTHS AND BY PROVINCES, AND STEEL
INGOTS AND CASTINGS BY MONTHS IN CANADA (In 1000's
Long Tons) 1925-26.

MONTH	Nova Scotia		PIG IRON Ontario		Total Canada		STEEL Total Canada	
	1925	1926	1925	1926	1925	1926	1925	1926
January	8	25	20	32	28	57	27	69
February	9		21		30		37	
March	23		41		64		108	
April	23		37		60		88	
May	24		39		63		100	
June	20		26		46		63	
July	-		21		21		22	
August	4		23		27		25	
September	12		23		35		37	
October	26		48		74		109	
November	29		40		69		73	
December	24		31		55		62	
TOTAL	202	25	370	32	572	57	751	69
MONTHLY AVERAGE	17	25	31	32	48	57	63	69

Table 8. BLAST FURNACES IN CANADA, 1925

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	8	2,473
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

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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