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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

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DOMINION BUREAU OF STATISTICS

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PRODUCTION OF IRON AND STEEL IN CANADA IN FEBRUARY 1925.

PIG IRON AND FERRO-ALLOYS

The production of pig iron in Canada was 29,506 long tons in February, an increase of 4 per cent over the 28,302 tons made in January. The February output included 20,671 tons of basic pig iron, 4,432 tons of foundry iron and 4,403 tons of malleable iron. Of the total production, 20,598 tons, or 70 per cent was made for the further use of the reporting firms and the balance of 8,908 tons was intended for sale.

Blast furnace charges during February consisted of 56,135 long tons of imported iron ore, 34,746 short tons of coke and 17,456 short tons of limestone.

The cumulative production of pig iron for the two months ending February amounted to 57,808 tons as compared with the 123,990 tons reported for the first two months of 1924. The decline was 53 per cent.

During the month, two furnaces were blown in so that five furnaces were in blast at the end of February. Active furnaces were located as follows: 2 at Sydney, N.S.; 2 at Sault Ste. Marie, Ont.; and 1 at Hamilton, Ont. The daily capacity of the active furnaces was 2,075 tons or about 41 per cent of the total daily capacity of the 15 furnaces now being carried on the Bureau's list.

Ferro-alloys at 1,780 tons marked a slight increase over the January output of 1,691 tons and consisted mainly of the grade composed of about 80 per cent manganese; a small quantity of ferro-silicon also was produced.

PIG IRON AND FERRO ALLOYS IN CANADA

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

ITEM	FEBRUARY 1925			JANUARY 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	20,519	152	20,671	13,133		13,133
Foundry.....	79	4,383	4,432	6	11,284	11,290
Malleable.....		4,403	4,403		3,879	3,879
TOTAL.....	20,598	8,908	29,506	13,139	15,163	28,302
Ferro-alloys.....		1,780	1,780		1,691	1,691

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

ITEM	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	33,652	152	33,804	77,389	3,161	80,550
Foundry.....	85	15,637	15,722	128	33,464	33,592
Malleable.....		8,282	8,282		9,848	9,848
TOTAL.....	33,737	24,071	57,808	77,517	46,473	123,990
Ferro-alloys.....		3,471	3,471		5,599	5,599

TABLE 3. FURNACE CHARGES - JANUARY, FEBRUARY AND YEAR TO DATE

		February	January	TOTAL 2 months
Canadian Iron ore	Long tons	nil	nil	nil
Imported Iron ore	" "	56,135	52,047	108,182
Coke	Short tons	37,746	33,667	68,413
Limestone	" "	17,456	14,067	31,523

STEEL INGOTS AND CASTINGS

Production of steel ingots and castings in Canada during February rose to 37,221 long tons, or 37 per cent over the 27,126 tons made in January. Basic open hearth steel ingots rose 9,437 tons to a total of 35,624 tons; steel castings advanced 68 per cent to 1,597 tons.

For the two months ending February the cumulative production was 64,347 tons, including 61,811 tons steel ingots and 2,536 tons steel castings. Compared with the output in the first two months of 1924, steel ingots showed a drop of 42 per cent and steel castings fell 54 per cent; the totals for the period last year were 106,710 tons of steel ingots and 5,552 tons steel castings.

Most pig iron prices showed no change in February as compared with January. No. 1 foundry at Toronto was still quoted at \$29.80 per ton; No. 2 foundry at \$29.30, and both grades at Montreal, at \$31.20. Basic pig iron at the mill rose from \$24 to \$25. The Bureau's index number for iron and its products (1913 prices = 100) rose from 158.4 to 158.8 in February.

In the United States the production of coke pig iron amounted to 3,214,143 long tons an increase of 5.5 per cent over January, which in turn marked an increase over December of 13.7 per cent. February's daily rate (28 days) was the largest since July, 1923 and greatly exceeded the rate for any February since the war. There was a net gain of 3 active furnaces - the smallest monthly gain since the upward trend started last July.

STEEL INGOTS AND CASTINGS IN CANADA

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

	FEBRUARY 1925			JANUARY 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	35,197		35,197	25,687		25,687
Acid						
Bessemer						
Other	427		427	500		500
TOTAL STEEL INGOTS	35,624		35,624	26,187		26,187
STEEL CASTINGS:						
Open Hearth-Basic	89	696	785	12	396	408
Acid						
Bessemer	6	159	165	2	64	66
Electric	1	646	647	1	464	465
TOTAL DIRECT STEEL CASTINGS	96	1,501	1,597	15	924	939
GRAND TOTAL	35,720	1,501	37,221	26,202	924	27,126

Table 5 CUMULATIVE PRODUCTION For the TWO MONTHS ending FEBRUARY

	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	60,884		60,884	106,608		106,608
Acid						
Bessemer						
Other	927		927	102		102
TOTAL STEEL INGOTS	61,811		61,811	106,710		106,710
STEEL CASTINGS:						
Open Hearth-Basic	101	1,092	1,193	194	3,698	3,892
Acid					504	504
Bessemer	8	223	231	8	183	191
Electric	2	1,110	1,112	76	889	965
TOTAL DIRECT STEEL CASTINGS	11	2,425	2,536	278	5,274	5,552
GRAND TOTAL	61,922	2,425	64,347	106,988	5,274	112,262

Table 6 AVERAGE MONTHLY PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS
IN CANADA, 1911 - 1920.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1911	68	66	1916	87	106
1912	75	71	1917	87	130
1913	84	87	1918	89	140
1914	58	62	1919	68	77
1915	68	76	1920	81	92

TABLE 7 TOTAL PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS IN CANADA

BY MONTHS FROM 1921 TO DATE

(In 1000's of Long Tons)

MONTH	1921		1922		1923		1924		1925	
	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel
January	41	40	32	33	41	48	64	41	28	27
February	58	59	34	42	44	46	60	71	30	37
March	60	53	42	30	65	89	77	95		
April	39	27	33	22	84	93	84	104		
May	56	52	23	17	102	104	85	108		
June	55	64	29	33	99	96	57	69		
July	54	54	32	63	82	74	45	52		
August	50	72	27	59	93	105	23	23		
September	44	56	25	36	75	66	23	18		
October	50	72	37	53	74	67	29	20		
November	48	75	34	51	62	55	23	23		
December	40	43	36	47	60	41	23	26		
TOTAL	595	667	384	486	881	884	593	650	58	64
MONTHLY AVERAGE	50	56	32	40	73	74	49	54	29	32

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	2,475
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

NOTE: In previous issues of this report, the number of furnaces has been given as 20 but as 5 of this number have not been operated for several years, they have been omitted from the present record.

Table 9. DESCRIPTION OF FURNACES AT END OF FEBRUARY

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	5	2,075	41
Banked	-	-	-
Blown out	10	2,950	59
Total furnaces reporting	15	5,025	100

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