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DOMINION BUREAU OF STATISTICS

Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

JANUARY, 1925

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R. H. COATS, B. A., F. S. S. (HON.), F. R. S. C. — DOMINION STATISTICIAN

S. J. COOK, B. A., A. I. C., F. C. I. C., — Chief of the
MINING, METALLURGICAL AND CHEMICAL BRANCH

PRODUCTION OF IRON AND STEEL IN CANADA IN JANUARY 1925.

PIG IRON AND FERRO ALLOYS

January production of pig iron in Canada rose 25 per cent to 28,302 long tons as compared with 22,544 tons in December. Of the total production 13,133 tons was made for the further use of the reporting firms and the balance of 15,163 tons for sale. Increased production was due largely to the output of foundry iron in January; none of this grade was made in December, but 11,290 tons was reported for the current month.

Production by grades included 13,133 tons of basic iron for remelting into steel, 3,879 tons malleable iron for sale, and of the 11,290 tons foundry iron all but 6 tons was intended for sale.

Blast furnace charges in January consisted of 52,047 long tons of foreign ore, 33,667 short tons of coke and 14,067 short tons of limestone.

At the end of the month the number of furnaces in blast remained unchanged at three, located as follows: one at Sydney, N. S., one at Hamilton, Ont., and one at Sault Ste. Marie, Ont. The daily capacity of the active furnaces was 1,075 tons or about 21 per cent of the total daily capacity of the 15 furnaces which are now being carried on the active list as being furnaces that are likely to or can be blown in at any time. (See last page of this report)

Ferro-alloys at 1,691 tons marked a slight increase over the December output of 1,619 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	JANUARY 1925			DECEMBER 1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic	13,133		13,133	12,346	307	12,653
Foundry	6	11,284	11,290			
Malleable		3,879	3,879	5,251	4,640	9,891
TOTAL	13,139	15,163	28,302	17,597	4,947	22,544
Ferro-alloys		1,691	1,691		1,619	1,619

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

ITEM	1924			1923		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic	347,461	6,866	354,327	541,456	8,678	550,134
Foundry	1,512	178,867	180,379	1,007	227,930	228,937
Malleable	12,891	45,427	58,318	609	100,338	100,947
TOTAL	361,864	231,160	593,024	543,072	336,946	880,018
Ferro-alloys		26,400	26,400		28,961	28,961

TABLE 3. FURNACE CHARGE S

Iron ore - Canadian	nil
" " - Foreign	52,047 Long tons
Coke	33,667 Short tons
Limestone	14,067 Short tons

STEEL INGOTS AND CASTINGS

Steel ingots and castings produced in Canada in January reached a total of 27,126 long tons, an increase of 3 per cent over the 26,239 tons in December. Steel ingots advanced by 603 tons to a total of 26,187 tons and steel castings rose to 939 tons or an increase of 284 tons.

Pig iron prices in January showed an upward tendency, No. 1 Foundry at Toronto being quoted at \$29.80 per ton as compared with \$28.80 in December while No. 2 foundry remained unchanged at \$29.30. At Montreal, both grades were \$31.20 as compared with \$30.20 for No. 1 and \$29.70 for No. 2 in December. The Bureau's index number for iron and its products (1913 prices = 100) rose from 157.5 in December to 158.7 in January.

In the United States the month of January showed the greatest production since March, 1924, and marked an increase of about 12 per cent over December which in turn showed an increase over November of 14 per cent. The average daily production was 108,621 tons, an increase of 13,082 tons per day over December. For the third consecutive month the net gain in active furnaces was 23, making a net total of 107 new furnaces blown in since the upward trend started in July.

STEEL INGOTS AND CASTINGS IN CANADA

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

	DECEMBER 1924			JANUARY 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	24,883		24,883	25,687		25,687
Acid						
Bessemer						
Other	701		701	500		500
TOTAL STEEL INGOTS	25,584		25,584	26,187		26,187
STEEL CASTINGS:						
Open Hearth-Basic	24	214	238	12	396	408
Acid						
Bessemer	2	80	82	2	64	66
Electric	3	332	335	1	452	453
Crucible					12	12
TOTAL DIRECT STEEL CASTINGS	29	626	655	15	924	939
GRAND TOTAL	25,613	626	26,239	26,202	924	27,126

Table 5 CUMULATIVE PRODUCTION For the TWELVE MONTHS ending DECEMBER

	1924			1923		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	620,510		620,510	639,710		639,710
Acid						
Bessemer						
Other	4,665		4,665			
TOTAL STEEL INGOTS	625,175		625,175	639,710		639,710
STEEL CASTINGS:						
Open Hearth-Basic	1,234	16,373	17,607	2,799	25,498	28,297
Acid		782	782		4,359	4,359
Bessemer	48	1,319	1,367	119	4,012	4,131
Electric	144	5,615	5,759	121	8,152	8,273
TOTAL DIRECT STEEL CASTINGS	1,426	24,089	25,515	3,039	42,021	45,060
GRAND TOTAL	626,601	24,089	650,690	642,749	42,021	684,770

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	66	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		
March	60	53	42	30	55	89	77	95		
April	39	27	33	22	84	93	84	104		
May	56	52	23	17	102	104	35	108		
June	55	64	29	33	99	96	57	69		
July	54	54	32	53	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	28	27
MONTHLY AVERAGE	50	56	32	40	73	74	49	54	28	27

Table 8. BLAST FURNACES IN CANADA, 1925

Name of Company	Location	Number of Stocks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	5	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 MONTH

Condition of Furnace	Number of Furnaces	Total Daily Capacity
In blast	3	1,075
Banked	-	
Blown out	12	3,950
Total number of furnaces reporting	15	5,025

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