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of the

PRODUCTION OF IRON AND STEEL

IN CANADA

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PRODUCTION OF IRON AND STEEL IN CANADA

PIG IRON IN DECEMBER 1924

The production of pig iron in Canada during December was 22,544 gross tons or slightly less than the November output of 22,994 tons. No foundry iron was produced in December; 19,400 tons of foundry iron was made in the preceding month. This loss was nearly offset by increases in the two other grades; basic iron rose from 3,594 tons to 12,653 tons; and malleable iron, of which there was no production in November, amounted to 9,891 tons.

The total production of pig iron in Canada during 1924 was 593,024 gross tons, a decrease of 33 per cent from the 880,018 tons of 1923, but an increase of 55 per cent over the 383,057 tons of 1922. The average per capita production of pig iron in Canada in 1924 was 144 pounds as compared with 215.5 pounds in 1923; 95.6 pounds in 1922 and 151.4 pounds in 1921.

During December, one furnace was blown in at Sydney, N.S., resulting in three furnaces being in blast at the end of the year. The active furnaces were located as follows: one at Sydney, N.S.; one at Hamilton, Ont.; and one at Sault Ste. Marie, Ont.

The output of ferro-silicon rose to 1,619 tons, a slight increase over the 1,373 tons produced in November. The cumulative production for the year was 28,400 tons, a decrease of nine per cent from the 28,961 tons in 1923.

In the United States the production of pig iron in 1924 was about 31 million tons or about 22 per cent less than in 1923. The December output of coke pig iron, however, marked a sharp increase of 14 per cent or an average gain of 11,883 tons per day over November. The net gain of 23 active furnaces was the same as in November and made a total of 84 furnaces blown in since production started to climb in July.

Table 1 (a) shows the production of pig iron by grades, and ferro-alloys during the month. For comparison Table 1 (b) shows the corresponding data for the preceding month and Table 1 (c) shows the total output of pig iron and ferro-alloys for the twelve months ending December, 1925.

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PIG IRON AND FERRO-ALLOYS PRODUCTION (Tons of 2240 lbs.)

Table 1 (a) - December - 1924.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic.....	12,346	307	- -	- -	12,653
Foundry.....	- - -	- - -	- -	- -	- -
Malleable.....	5,251	4,640	- -	- -	9,891
All other.....	- - -	- - -	- -	- -	- -
TOTAL PIG IRON.....	17,597	4,947	- -	- -	22,544
TOTAL FERRO-ALLOYS.....	- - -	- - -	- -	1,619	1,619

Table 1 (b) - November - 1924.

PIG IRON:					
Basic.....	2,272	1,322	- -	- -	3,594
Foundry.....	2	19,398	- -	- -	19,400
Malleable.....	- - -	- - -	- -	- -	- -
All other.....	- - -	- - -	- -	- -	- -
TOTAL PIG IRON.....	2,274	20,720	- -	- -	22,994
TOTAL FERRO-ALLOYS.....	- - -	- - -	- -	1,373	1,373

Table 1 (c) - TOTAL for the Twelve months ending December, 1924.

PIG IRON:					
Basic.....	347,461	6,866	- -	- -	354,327
Foundry.....	1,512	178,867	- -	- -	180,379
Malleable.....	12,891	45,427	- -	- -	58,318
All other.....	- - -	- - -	- -	- -	- -
TOTAL PIG IRON.....	361,864	231,160	- -	- -	593,024
TOTAL FERRO-ALLOYS.....	- - -	- - -	- -	26,400	26,400

No. of blast furnaces:

	First of Month	End of Month
ACTIVE.....	2.....	3.....
IDLE.....	18.....	17.....

Table 3 (a) shows the average monthly production of pig iron in Canada for the ten-year period from 1911 to 1920, inclusive, and Table 3 (b) shows the actual production by months for the years 1921 to date.

Table 2 (a)

PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA
FOR THE CURRENT AND PRECEDING MONTH
(Tons of 2240 lbs.)

	NOVEMBER 1924			DECEMBER 1924		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	20,510		20,510	24,883		24,883
Acid						
Bessemer						
Other	1,537		1,537	701		701
TOTAL STEEL INGOTS	22,047		22,047	25,584		25,584
STEEL CASTINGS:						
Open Hearth-Basic	49	261	310	24	214	238
Acid						
Bessemer	4	68	72	2	80	82
Electric	1	314	315	3	332	335
TOTAL DIRECT STEEL CASTINGS	54	643	697	29	626	655
GRAND TOTAL	22,101	643	22,744	25,613	626	26,239

Table 2 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA

For the TWELVE MONTHS ending DECEMBER, 1924.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	620,510		620,510
Acid			
Bessemer			
Other	4,665		4,665
TOTAL STEEL INGOTS	625,175		625,175
STEEL CASTINGS:			
Open Hearth-Basic	1,234	16,373	17,607
Acid		782	782
Bessemer	48	1,319	1,367
Electric	144	5,615	5,759
TOTAL DIRECT STEEL CASTINGS	1,426	24,089	25,515
GRAND TOTAL	626,601	24,089	650,690

STEEL INGOTS AND CASTINGS

The production of steel ingots and castings in Canada during December was 26,239 gross tons or 15 per cent over the 22,744 tons of November. The rise was in basic open hearth steel ingots, this grade advancing by 3,537 tons to a total of 25,584 tons.

The cumulative production for the twelve months of 1924 was 650,690 tons comprising 625,175 tons steel ingots and 25,515 tons direct steel castings. The average per capita production of steel in Canada was 158 pounds in 1924; 217 pounds in 1923; 121 pounds in 1922 and 170 pounds in 1921.

A review of the price trend during 1924 shows that iron and its products declined steadily from January to November. The index based on 1913 average prices as 100, was 168.5 in January and 154.8 in November. The range in 1923 was from 158.9 in January to 174.4 in June; in December, 1923, it stood at 168.7. This group declined 14 points in 1924. The recovery in December 1924 amounted to about 3 points.

Inactivity in the construction industry and dullness in business conditions generally which characterized 1924, were distinctly reflected in iron and steel prices - No. 1 foundry pig iron at Montreal was \$30.95 per ton in January and \$27.70 in November. In December, however, it rose to \$30.20 per ton. Basic pig iron at the mill was \$26 in January, \$21 in November and \$23 in December. Steel billets at Montreal were \$41.50 - \$52 per ton in January, \$34 - \$48 in November and \$39 - \$48 in December.

Table 2 (a) shows the production of steel ingots and castings in Canada during the month just closed and the month immediately preceding. For comparison Table 2 (b) shows the total production by grades, of steel ingots and castings during the twelve months ending December 1924.

Table 3 (A), 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 3 (B) 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	
	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel
January	41	40	32	33	41	48	64	41
February	58	59	34	42	44	46	60	71
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
MONTHLY AVERAGE	50	56	32	40	73	74	49	54

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