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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

JANUARY, 1924

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PIG IRON AND FERRO-ALLOYS

JANUARY 1924

The quantity of pig iron produced in Canada during the month of January advanced 7 per cent over the December output of 59,622 tons to a total of 63,702 tons and represented a marked increase over the outputs in January of the last three years.

The output of basic pig iron was 59,388 tons of which 1,625 tons was produced for sale, and the balance, 37,763 tons, together with foundry iron amounting to 14,466 tons and 9,848 tons of malleable iron, was for the further use of the reporting firms.

During the month, two furnaces were banked at Sydney, N.S. and one additional furnace was blown in at Sault Ste. Marie, Ont., resulting in five furnaces being in blast at the end of the month. The active furnaces were: two at Hamilton, Ont., two at Sault Ste. Marie, Ont. and one at Sydney, N.S.

Ferro-alloys remained constant at 2,910 tons consisting of the grade containing a low silicon content.

Pig iron prices were reported as holding well to the December levels, and as quoted in the "Iron Age" were as follows: No. 1 (2.25 to 2.75 silicon) and malleable, \$29.15; No. 2 (1.75 to 2.25 silicon) \$28.15, Toronto. Montreal prices: No. 1 and malleable, \$31.55; No. 2, \$30.55 per ton.

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 1923.

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

Table 1 (a) - JANUARY - 1924.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic.....	37,763	1,625	---	---	39,388
Foundry.....	---	14,466	---	---	14,466
Malleable.....	---	9,848	---	---	9,848
All other.....	---	---	---	---	---
TOTAL PIG IRON.....	37,763	25,939	---	---	63,702
TOTAL FERRO-ALLOYS.....	---	---	---	2,910	2,910

Table 1 (b) - DECEMBER - 1923.

PIG IRON:					
Basic.....	36,360	---	---	---	36,360
Foundry.....	44	19,705	---	---	19,749
Malleable.....	---	3,513	---	---	3,513
All other.....	---	---	---	---	---
TOTAL PIG IRON.....	36,404	23,218	---	---	59,622
TOTAL FERRO-ALLOYS.....	---	---	---	2,930	2,930

Table 1 (c) - TOTAL for the TWELVE months ending DECEMBER, 1923.

PIG IRON:					
Basic.....	541,456	8,678	---	---	550,134
Foundry.....	1,007	227,930	---	---	228,937
Malleable.....	609	100,338	---	---	100,947
All other.....	---	---	---	---	---
TOTAL PIG IRON.....	543,072	336,946	---	---	880,018
TOTAL FERRO-ALLOYS.....	---	---	---	28,961	28,961

No. of blast furnaces:

	First of Month	End of Month
ACTIVE.....	6	5
IDLE.....	14	15

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.)

	DECEMBER 1923			JANUARY 1924		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	39,014		39,014	38,606		38,606
Acid						
Bessemer						
Electric						
TOTAL STEEL INGOTS	39,014		39,014	38,606		38,606
STEEL CASTINGS:						
Open Hearth-Basic	210	1,133	1,343	20	1,708	1,798
Acid		230	230		344	344
Bessemer	11	250	261	5	99	104
Electric	7	393	400	61	396	457
TOTAL DIRECT STEEL CASTINGS	228	2,006	2,234	156	2,547	2,703
GRAND TOTAL	39,242	2,006	41,248	38,762	2,547	41,309

Table 2 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the TWELVE MONTHS ending DECEMBER, 1923.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	839,710		839,710
Acid			
Bessemer			
Electric			
TOTAL STEEL INGOTS	839,710		839,710
STEEL CASTINGS:			
Open Hearth-Basic	2,799	25,498	28,297
Acid		4,359	4,359
Bessemer	119	4,012	4,131
Electric	121	8,152	8,273
TOTAL DIRECT STEEL CASTINGS	3,039	42,021	45,060
GRAND TOTAL	842,749	42,021	884,770

STEEL INGOTS AND CASTINGS

The production of 41,309 tons of steel ingots and castings in Canada during January showed little change from the output of 41,248 tons in December, but marked a decided advance over the quantities produced in the same month of the last three years. The January production was 48,000 tons in 1923; 33,000 tons in 1922 and 40,000 tons in 1921.

The output of steel ingots amounted to 38,606 tons and was all intended for the producers' own use. The production of steel castings was 2,703 tons, 94 per cent of this amount being for sale. The steel castings by grades comprised 1,798 tons of basic open hearth; 344 tons of acid open hearth; 104 tons of bessemer and 457 tons of electric castings.

The placing of orders for steel rails has had a stimulating effect on the Canadian market and the companies holding the contracts have commenced rolling in mills which have been closed for some time. In trade circles a keen demand for machine tools has been noted. The automotive industry is furnishing a large volume of present business and companies with electrical development projects under way are also good buyers of equipment.

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 1923.

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		
March	60	53	42	30	65	89		
April	39	27	33	22	84	93		
May	56	52	23	17	102	104		
June	55	64	29	33	99	96		
July	54	54	32	63	82	74		
August	50	72	27	59	93	105		
September	44	56	25	36	75	66		
October	50	72	37	53	74	67		
November	48	75	34	51	62	55		
December	40	43	36	47	60	41		
TOTAL	595	667	384	486	881	884	64	41
MONTHLY AVERAGE	50	56	32	40	73	74	64	41

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