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DOMINION BUREAU OF STATISTICS

Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

APRIL, 1924

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Dominion Bureau of Statistics, Canada

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PRODUCTION OF IRON AND STEEL IN CANADA

PIG IRON IN APRIL 1924

The production of pig iron and ferro-alloys in Canada during April, 1924 set up a record for the current year at a total of 86,795 long tons and included 83,875 tons pig iron and 2,920 tons ferro-silicon.

The pig iron output exceeded the March tonnage of 77,290 tons by 8 per cent. Basic pig iron advanced 33 per cent to 65,203 tons. Malleable iron, which has not been reported since January was again listed, the production amounting to 2,817 tons, while the output of foundry iron declined 44 per cent to 15,855 tons.

The cumulative production of pig iron for the four months ending April was 285,155 tons and was the highest recorded for the period since 1919. In the first four months last year the production was 234,000 tons; as compared with 141,000 tons in 1922 and 198,000 tons in 1921. Of the basic pig iron made this year, amounting to 194,926 tons, only 3,590 tons was produced for sale; of the 77,564 tons of foundry iron 270 tons was intended for the further use of the reporting firms, and the total output of 12,665 tons malleable iron was intended for sale.

Seven furnaces were in blast at the end of the month located as follows: three at Sydney, N.S., three at Sault Ste. Marie, Ont., and one at Hamilton, Ont.

The production of ferro-silicon amounted to 2,920 tons or one per cent more than the 2,888 tons produced in March.

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 four months ending April 1924.

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

Table 1 (a) - APRIL - 1924.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic.....	64,874	329	--	--	65,203
Foundry.....	70	15,785	--	--	15,855
Malleable.....	--	2,817	--	--	2,817
All other.....	--	--	--	--	--
TOTAL PIG IRON.....	64,944	18,931	--	--	83,875
TOTAL FERRO-ALLOYS.....	--	--	--	2,920	2,920

Table 1 (b) - MARCH - 1924.

PIG IRON:					
Basic.....	49,073	100	--	--	49,173
Foundry.....	72	28,045	--	--	28,117
Malleable.....	--	--	--	--	--
All other.....	--	--	--	--	--
TOTAL PIG IRON.....	49,145	28,145	--	--	77,290
TOTAL FERRO-ALLOYS.....	--	--	--	2,888	2,888

Table 1 (c) - TOTAL for the Four months ending APRIL, 1924.

PIG IRON:					
Basic.....	191,336	3,590	--	--	194,926
Foundry.....	270	77,294	--	--	77,564
Malleable.....	--	12,665	--	--	12,665
All other.....	--	--	--	--	--
TOTAL PIG IRON.....	191,606	93,549	--	--	285,155
TOTAL FERRO-ALLOYS.....	--	--	--	11,415	11,415

No. of blast furnaces:

	First of Month	End of Month
ACTIVE.....	7	7
IDLE.....	13	13

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.)

	MARCH 1924			APRIL 1924		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	91,011		91,011	100,264		100,264
Acid						
Bessemer						
Other				60		60
TOTAL STEEL INGOTS	91,011		91,011	100,324		100,324
STEEL CASTINGS:						
Open Hearth-Basic	181	2,756	2,937	197	2,882	3,079
Acid		278	278			
Bessemer	7	199	206	5	176	181
Electric	10	520	530	15	563	578
TOTAL DIRECT STEEL CASTINGS	198	3,753	3,951	217	3,621	3,838
GRAND TOTAL	91,209	3,753	94,962	100,541	3,621	104,162

Table 2 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the FOUR MONTHS ending APRIL, 1924.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	297,883		297,883
Acid			
Bessemer			
Other	162		162
TOTAL STEEL INGOTS	298,045		298,045
STEEL CASTINGS:			
Open Hearth-Basic	572	9,336	9,908
Acid		782	782
Bessemer	20	558	578
Electric	101	1,972	2,073
TOTAL DIRECT STEEL CASTINGS	693	12,648	13,341
GRAND TOTAL	298,738	12,648	311,386

STEEL INGOTS AND CASTINGS

Steel ingots and castings reflected the high output of pig iron by advancing to 104,162 long tons or 9.7 per cent over the 94,962 tons produced in March.

The rise was due to the increased output of ingots which amounted to 100,324 tons or 10 per cent greater than the 91,011 tons produced for the preceding month. The ingots were all produced for the further use of the reporting firms and with the exception of 60 tons alloy ingots consisted entirely of the basic open hearth grade.

The output of 3,838 tons of steel castings marked a slight decline from the 3,951 tons produced in March. While basic open hearth and electric castings showed slight improvement this was offset by a drop in bessemer and the fact that there was no acid open hearth steel made. Of the steel castings, 94 per cent was produced for sale.

The machine tool market showed little change and while the gross number of sales was maintained most of the orders were for one or two small tools.

Prices for pig iron were still unchanged in April, No. 1 Foundry (2.25 to 2.75 silicon) at Toronto being \$29.15 per ton and No. 2 \$28.65; and at Montreal \$30.95 and \$30.45 respectively. The index number for the Iron and Steel Products Group in the Wholesale Prices Index compiled by the Bureau (1913 average prices = 100) also remained stable at approximately 166.

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 four months ending April 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		
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	285	311
MONTHLY AVERAGE	50	56	32	40	73	74	71	78

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