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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

MAY, 1924

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Dominion Bureau of Statistics, Canada

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

S. I. 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

PIG IRON IN MAY 1924

The production of pig iron in Canada which has been improving steadily since February of the current year again advanced to 84,987 long tons in May, an increase of 1,112 tons over the April output of 83,875 tons.

The increase was in the basic and malleable grades while foundry iron showed a decline. Basic iron advanced 6 per cent to 69,229 tons, malleable iron rose 26 per cent to 5,510 tons and foundry after falling off 44 per cent in April as compared with March again dropped 35 per cent to 10,248 tons.

The cumulative production for the five months ending May at 370,142 tons was the highest recorded for this period in the last three years and equalled the output for the same period of 1920. The average monthly output was 74,000 tons for the first five months of the current year; 67,000 tons in 1923; 33,000 tons in 1922 and 51,000 tons in 1921.

During the month one furnace was banked at Sydney, N.S., leaving six in blast at the end of the month. The active furnaces were located as follows: two at Sydney, N.S., one at Hamilton, Ont., and three at Sault Ste. Marie, Ont.

The production of ferro-silicon amounted to 2,245 tons or 275 tons less than the 2,920 tons made in April.

In the United States the trend of pig iron production continued downward. In April there was a net loss of 40 furnaces and in May 52 shut down, while 6 were blown in. The decrease in the tonnage produced as compared with April amounted to 23,423 tons per day.

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 five months ending May, 1924.

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

Table 1 (a) - MAY - 1924.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic.....	68,502	727	--	--	69,229
Foundry.....	99	10,149	--	--	10,248
Malleable.....	--	5,510	--	--	5,510
All other.....	--	--	--	--	--
TOTAL PIG IRON.....	68,601	16,386	--	--	84,987
TOTAL FERRO-ALLOYS.....	--	--	--	2,245	2,245

Table 1 (b) - APRIL - 1924.

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 (c) - TOTAL for the Five months ending MAY, 1924.

PIG IRON:					
Basic.....	259,838	4,317	--	--	264,155
Foundry.....	369	87,443	--	--	87,812
Malleable.....	--	18,175	--	--	18,175
All other.....	--	--	--	--	--
TOTAL PIG IRON.....	260,207	109,935	--	--	370,142
TOTAL FERRO-ALLOYS.....	--	--	--	13,660	13,660

No. of blast furnaces:

	First of Month	End of Month
ACTIVE.....	7.....	6
IDLE.....	13.....	14

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.)

	APRIL 1924			MAY 1924		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	100,264		100,264	104,470		104,470
Acid						
Bessemer						
Other	60		60	643		643
TOTAL STEEL INGOTS	100,324		100,324	105,113		105,113
STEEL CASTINGS:						
Open Hearth-Basic	197	2,882	3,079	227	2,348	2,575
Acid						
Bessemer	5	176	181	6	141	147
Electric	15	563	578	20	578	598
TOTAL DIRECT STEEL CASTINGS	217	3,621	3,838	253	3,067	3,320
GRAND TOTAL	100,541	3,621	104,162	105,366	3,067	108,433

Table 2 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the FIVE MONTHS ending MAY, 1924.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	402,353		402,353
Acid			
Bessemer			
Other	805		805
TOTAL STEEL INGOTS	403,158		403,158
STEEL CASTINGS:			
Open Hearth-Basic	799	11,684	12,483
Acid		782	782
Bessemer	26	699	725
Electric	121	2,550	2,671
TOTAL DIRECT STEEL CASTINGS	946	15,715	16,661
GRAND TOTAL	404,104	15,715	419,819

STEEL INGOTS AND CASTINGS

The production of steel ingots and castings in Canada during May followed the high output of pig iron by advancing 4 per cent over the April output to a total of 108,453 tons, and was the greatest tonnage reported for any month since October, 1920. Steel ingots, mostly of the basic open hearth grade, produced for the further use of the reporting firms rose 5 per cent to 105,113 tons, while steel castings fell 13 per cent to 3,320 tons, 92 per cent of which was produced for sale.

The total production for the five months ending May was 419,819 tons, 96 per cent of which was for the use of the works reporting. By grades, the total output consisted of 402,353 tons basic open hearth steel ingots, 805 tons alloy ingots, 12,483 tons basic open hearth castings, 782 tons acid open hearth castings, 725 tons bessemer and 2,671 tons electric castings.

The machine tool market is said to be improving and the prospects of continued activity good. The scrap market however has so far failed to come up to the expectations of iron and steel scrap dealers and melters continue to buy small tonnages for immediate consumption.

Prices for pig iron were lower in May, the decline being \$2.10 per ton at Toronto and \$2.00 at Montreal. No. 1 Foundry (2.25 to 2.75 silicon). was \$27.05 per ton at Toronto and No. 2 was quoted at \$26.55; at Montreal the prices were \$28.95 and \$28.45 respectively. The index number for the iron and steel products group in the Wholesale Prices Index compiled by the Bureau (1913 average prices = 100) fell from 166 in April to 164 in May.

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 five months ending May 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		
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	370	419
MONTHLY AVERAGE	50	56	32	40	73	74	74	84

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