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DOMINION BUREAU OF STATISTICS

Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

MAY, 1922

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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

May - 1922

PIG IRON AND FERRO-ALLOYS

The production of pig iron during May declined to the lowest level which has been reached in several years. The tonnage was 23,363, representing a decrease of 9,209 tons from the April production. The record for the corresponding month last year was 56,091 tons. About 73% of the May production was foundry and malleable iron, intended for direct sale, while the remaining 27% chiefly basic iron was made for the use of the producing companies.

An interesting development was the increase in the output of ferro-alloys. The tonnage of 3,397 was the greatest since January, 1921, when 3,941 tons were reported. The output was augmented by the 2,499 tons of spiegeleisen manufactured for further use. The remainder, comprising 181 tons made in blast furnaces and 717 tons principally 75% and 80% ferro-silicon manufactured in electric furnaces was intended for direct sale.

Two blast furnaces at Sault Ste. Marie and one at Hamilton were operated during the month under review, and the number of furnaces in blast remained unchanged.

The cumulative production of pig iron for the five months ending June 1, 1921, was 254,394 tons as compared with 163,424 tons during the corresponding period of the present year. This involves a decrease of 90,970 tons or nearly 36%. On the other hand the output in the United States according to "The Iron Age" increased from 8,363,333 tons during the first five months of 1921 to 9,689,653 tons in the corresponding period of 1922. The trend of Canadian pig iron output has been declining since October, 1920 when the peak of 104,774 tons was reported. The steady increase of output in the United States since the beginning of the year may be taken as an index of improving business conditions in the iron and steel industry, which in view of past experience may be expected in due course to extend to this country.

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 two months ending May.

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

Table 1 (a) - May - 1922.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic.....	6,265	- - -	- -	- -	6,265
Foundry.....	1	14,958	- -	- -	14,959
Malleable.....	- - -	2,139	- -	- -	2,139
Castings.....	- - -	- - -	- -	- -	- -
TOTAL PIG IRON.....	6,266	17,097	- -	- -	23,363
TOTAL FERRO-ALLOYS	2,499	181		717	3,397

Table 1 (b) - April - 1922.

PIG IRON:					
Basic.....	12,038	104	- -	- -	12,142
Foundry.....	30	14,922	- -	- -	14,952
Malleable.....	- - -	5,478	- -	- -	5,478
Castings.....	- - -	- - -	- -	- -	- -
TOTAL PIG IRON.....	12,068	20,504	- -	- -	32,572
TOTAL FERRO-ALLOYS.....	- - -	- - -	- -	693	693

Table 1 (c) - TOTAL for the FIVE months ending MAY, 1922.

PIG IRON:					
Basic.....	92,488	430	- -	- -	92,918
Foundry.....	105	57,148	- -	- -	57,253
Malleable.....	- - -	13,253	- -	- -	13,253
Castings.....	- - -	- - -	- -	- -	- -
TOTAL PIG IRON.....	92,593	70,831	- -	- -	163,424
TOTAL FERRO-ALLOYS	2,499	181	- -	4,314	6,994

No. of blast furnaces:

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

Table 2 (a) shows the average monthly production of pig iron in Canada for the ten-year period from 1907 to 1916, inclusive, and Table 2 (b) shows the actual production by months for the years 1917 to date.

TABLE 2 (A), AVERAGE MONTHLY PRODUCTION OF

PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1907 - 1916.

In 1000's of Long Tons

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1907	48	53	1912	75	71
1908	47	44	1913	84	87
1909	56	56	1914	58	62
1910	60	61	1915	68	76
1911	68	66	1916	87	106

TABLE 2 (B) TOTAL PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS

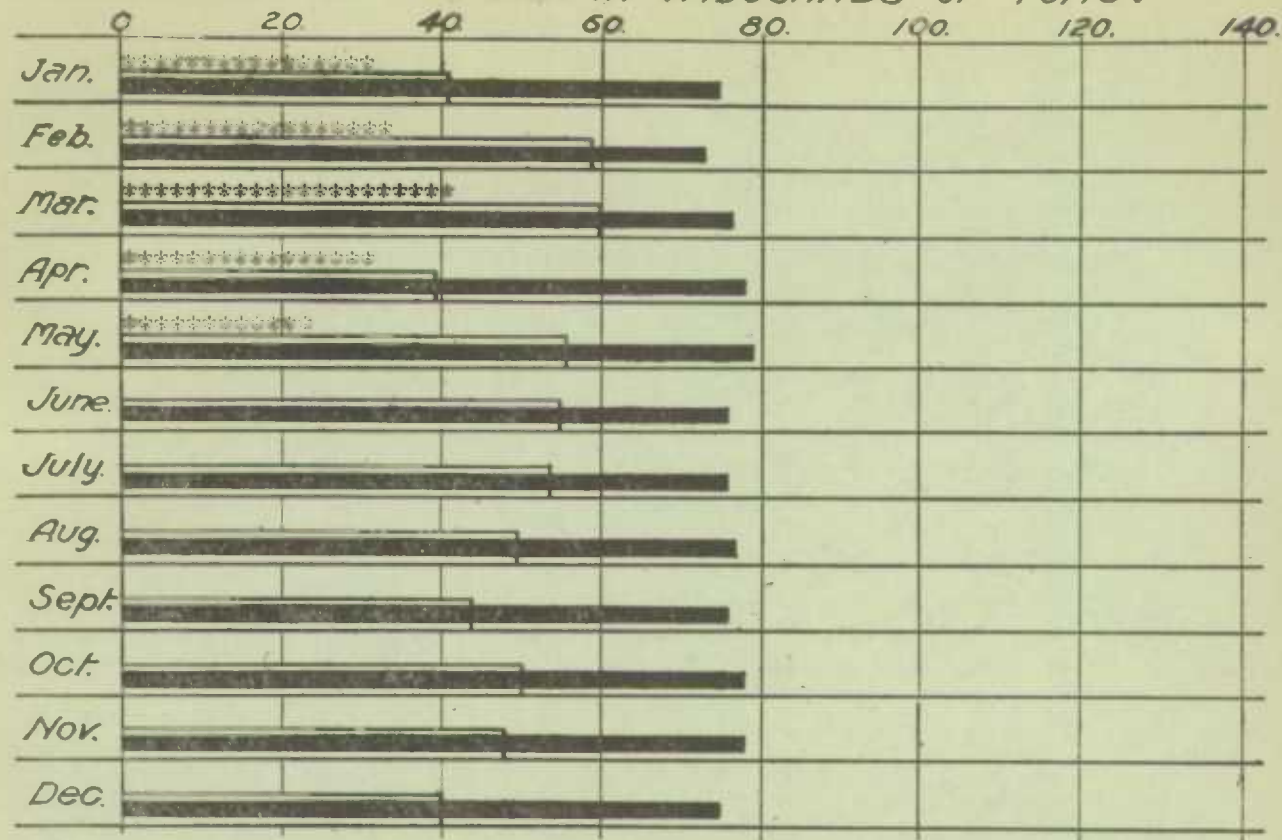
IN CANADA BY MONTHS

From 1917 to Date

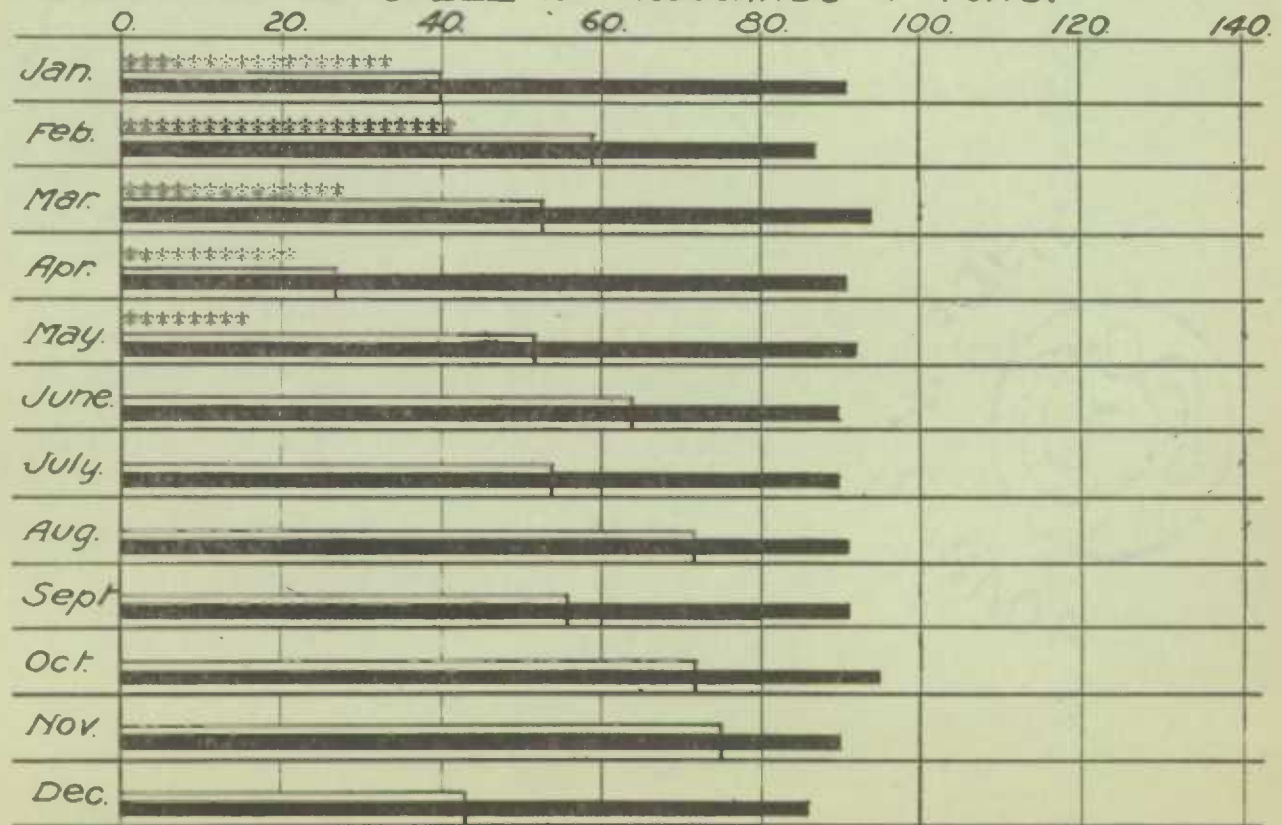
(In 1000's of Long Tons)

MONTH	1917		1918		1919		1920		1921		1922	
	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel
January	80	117	66	130	93	107	73	92	41	40	32	33
February	75	108	70	124	78	90	64	84	58	59	34	42
March	93	136	86	141	82	100	69	97	60	53	42	30
April	90	125	93	149	83	75	77	93	39	27	33	22
May	97	139	94	156	74	69	87	90	56	52	23	
June	89	122	92	148	59	68	80	91	55	64		
July	83	124	98	147	54	66	84	94	54	54		
August	90	130	86	152	60	54	93	105	50	72		
September	90	133	85	149	51	60	94	99	44	56		
October	92	144	96	164	50	66	105	111	50	72		
November	87	141	95	116	65	82	94	97	48	75		
December	78	139	106	105	70	87	54	56	40	43		
TOTAL	1044	1558	1067	1681	819	924	974	1109	595	667	164	143
MONTHLY AVERAGE	87	130	89	140	68	77	81	92	50	56	33	29

PRODUCTION OF PIG IRON IN THOUSANDS OF TONS.



PRODUCTION OF STEEL IN THOUSANDS OF TONS.



***** = 1922; = 1921; = average 1911 to 1920.

STEEL INGOTS AND CASTINGS

The production of steel during May registered a further decline of 4,935 tons below the April output of 21,935 tons. The May record of 17,000 tons comprising 15,646 tons of ingots and 1,354 tons of direct castings is the lowest in recent years. The 15,590 tons of open-hearth basic ingots intended for use in the producing plants comprised 92% of the monthly output. The production of the grade in April was 20,499 tons required for a similar purpose.

The open-hearth basic and Bessemer castings intended chiefly for sale declined slightly from the output of April. The electric castings on the other hand presented an increase, the quantity intended for use by the establishments reporting was augmented from 53 to 503 tons.

The significance of recent declines in steel production is emphasized by comparing the cumulative record of 1921 with that of the present year. The total for the five months ending May 31st last was 144,275 tons while the output for the corresponding period in 1921 was 231,037 tons.

The production statement for the United States forms a sharp contrast with the statistics enumerated above. The enforced use of high priced coal due to the coal strike has caused a strengthening of prices. In spite of the uncertainty of marketing conditions due to the reduction in the freight rates which will be made effective shortly, the developments of recent months contain an element of encouragement.

Table 3 (a) shows the production of steel ingots and castings in Canada during the month just closed and the month immediately preceding. For reference Table 3 (b) shows the total production by grades of steel ingots and castings during the five months ending May.

The bar chart shown on the preceding page enables the reader to make quick comparisons between the ten-year average production in any month of pig iron and of steel ingots and castings with the actual output in the same month of 1921 and 1922.

Table 3 (a)

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

	APRIL			MAY		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	20,499		20,499	15,590		15,590
Acid						
Bessemer	1	2	3			
Electric	2	9	11		56	56
TOTAL STEEL INGOTS	20,502	11	20,513	15,590	56	15,646
STEEL CASTINGS:						
Open Hearth-Basic	27	537	564	40	279	319
Acid						
Bessemer	4	171	175	4	153	157
Electric	53	630	683	503	375	878
TOTAL DIRECT STEEL CASTINGS	84	1,338	1,422	547	807	1,354
GRAND TOTAL	20,586	1,349	21,935	16,137	863	17,000

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the FIVE MONTHS ending MAY, 1922.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	136,406		136,406
Acid			
Bessemer	5	11	16
Electric	2	65	67
TOTAL STEEL INGOTS	136,413	76	136,489
STEEL CASTINGS:			
Open Hearth-Basic	873	2,135	3,008
Acid			
Bessemer	23	743	766
Electric	653	3,359	4,012
TOTAL DIRECT STEEL CASTINGS	1,549	6,237	7,786
GRAND TOTAL	137,962	6,313	144,275

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