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Monthly Report  
of the  
PRODUCTION OF IRON AND STEEL  
IN CANADA

APRIL, 1921

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Ottawa  
1921



Monthly Report  
of the  
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PIG IRON AND FERRO-ALLOYS

The production of pig iron and ferro-alloys in Canada during the month of April declined still further to a new low level for the year, the entire output for the month amounting to only 39,693 long tons. The output of basic open hearth iron suffered most, dropping from 35,662 tons in March to 15,971 tons in April, all of which was made by firms for their own use. The increase in the production of foundry iron, noted in the March report, was continued in April, when the output rose to 22,929 long tons. This represents an increase of 6,133 tons over the March production. The greater part of the increase was produced for further use in processes of manufacture, the amount credited to this item being 6,165 tons in March, as compared with 11,544 tons in April. Foundry iron made for sale rose from 10,631 tons in March to 11,385 tons in April. No malleable iron was produced during the month, nor was any low phosphorus pig made in electric furnaces.

Ferro-alloys production amounted only to 793 tons during the month, which is a further loss of 156 tons. No spiegeleisen was made in Canada in April.

At the close of the month six (6) furnaces were active and fourteen (14) idle. This is a net gain of one (1) furnace. At the close of March the Algoma Steel Corporation had only one (1) furnace in operation, but at the close of April three (3) furnaces were in blast. The Canadian Furnace Company at Port Colborne reported its furnace as idle at the end of the month. The remainder of the list was unchanged. Two (2) furnaces were operated by the Steel Company of Canada at Hamilton, Ontario, and one (1) by the Dominion Steel Corporation at Sydney, Cape Breton.

The average daily production of coke and anthracite furnaces in the United States during April was only 39,768 tons per day, and was the lowest output recorded since June, 1908.

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 month of March, and Table 1 (c) shows the total output for the four months of the calendar year to date.



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UNITED STATES OF AMERICA

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

Table I (a) - APRIL - 1921.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic .....	15,971	-----	-----	-----	15,971
Foundry .....	11,544	11,385	-----	-----	22,929
Malleable .....	-----	-----	-----	-----	-----
TOTAL PIG IRON .....	27,515	11,385	-----	-----	38,900
TOTAL FERRO-ALLOYS .....	-----	-----	-----	-----	793

Table I (b) - MARCH - 1921.

PIG IRON:					
Basic .....	35,662	-----	-----	-----	35,662
Foundry .....	6,142	10,631	23	-----	16,796
Malleable .....	4,915	3,070	-----	-----	7,985
TOTAL PIG IRON .....	46,719	13,701	23	-----	60,443
TOTAL FERRO-ALLOYS .....	-----	-----	-----	-----	949

Table I (c) - TOTAL for the four months ending APRIL, 1921.

PIG IRON:					
Basic .....	127,534	137	-----	-----	127,671
Foundry .....	17,686	30,890	222	-----	48,798
Malleable .....	4,915	16,919	-----	-----	21,834
TOTAL PIG IRON .....	150,135	47,946	222	-----	198,303
TOTAL FERRO-ALLOYS .....	-----	-----	-----	-----	9,120

No. of blast furnaces:

ACTIVE at end of month .....	6
IDLE at end of month .....	14

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.



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Table 2 (a)

AVERAGE MONTHLY PRODUCTION OF PIG IRON IN CANADA, 1907 - 1916.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE	YEAR	MONTHLY AVERAGE
1907	48	1912	75
1908	47	1913	84
1909	56	1914	58
1910	60	1915	68
1911	68	1916	87

Table 2 (b)

TOTAL PRODUCTION OF PIG IRON IN CANADA BY MONTHS

From 1917 to Date

(In 1000's of Long Tons)

MONTH	1917	1918	1919	1920	1921
January	80	66	93	73	41
February	75	70	78	64	58
March	93	86	82	69	60
April	90	93	83	77	40
May	97	94	74	87	
June	89	92	59	80	
July	83	98	54	84	
August	90	86	60	93	
September	90	85	51	94	
October	92	96	50	105	
November	87	95	65	94	
December	78	106	70	54	
TOTAL	1044	1067	819	974 To date 199	
MONTHLY AVERAGE	87	89	68	81 To date 50	

# STANLEY





## STEEL INGOTS AND CASTINGS

The April production of steel ingots and castings in Canada established a new low record for the year when a total of only 27,381 long tons was made. The previous month's output was nearly 53,050 tons. Most of the loss was in basic open hearth steel, the production under this item receding from 50,946 tons in March to 25,252 tons in April, all of which was made by firms for their own use. Only 191 tons of electric steel ingots was produced and of this 172 tons was made by firms for their own use in further process of manufacture. Thus, the total quantity of steel ingots made in April was 25,443 long tons. The total for March was 51,318 long tons. Direct steel castings increased from 1,732 tons in March to 1,938 tons in April. The increase was principally in the production of electric steel, which rose from 1,482 tons in March to 1,683 tons in the month under review. Of the latter amount 1,456 tons was produced directly for sale. More converter steel was also made during the month, 109 tons being reported as made for sale and 15 tons for further use. The output of basic open hearth steel castings declined from 152 tons in March to 131 tons in April.

In the "Monthly Report of the Trade of Canada" prepared in the External Trade Division of this Bureau, a section is devoted to imports of "Iron and its Products." Under this heading all commodities consisting principally of iron and steel are listed each month, the quantities and values of the imports under each item being shown opposite the names of the countries from which each commodity is imported. The importations of "Iron and its Products" thus defined amounted in value during the twelve months ending March, 1919, to a total of \$192,527,377, of which \$185,116,309 represented the value of products of United States origin. During the next twelve months the total imports were valued at \$186,319,876, and of this amount \$178,661,606 was spent for United States products. In each of the two years just reviewed the entries under the same headings as before of iron and its products from the United Kingdom amounted to a little over six million dollars in value. During the twelve months ending March, 1921, Canada imported iron and steel products valued at \$16,698,085 from the United Kingdom; \$226,862,465 from the United States and \$2,065,903 from other countries, a total in all of \$245,626,453. It will be observed that imports of iron and steel products during the twelve months ending March of this year showed an increase in value of 32% over the previous year and 22% over the valuation credited to the same items for the twelve months ending March, 1919.



Table 3 (a)

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

	MARCH			APRIL		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	50,946	-----	50,946	25,252	-----	25,252
Acid	-----	-----	-----	-----	-----	-----
Bessemer	9	12	21	-----	-----	-----
Electric	300	51	351	172	19	191
TOTAL STEEL INGOTS	51,255	63	51,318	25,424	19	25,443
STEEL CASTINGS:						
Open Hearth-Basic	62	90	152	44	87	131
Acid	-----	-----	-----	-----	-----	-----
Bessemer	4	94	98	15	109	124
Electric	346	1,136	1,482	227	1,456	1,683
TOTAL DIRECT STEEL CASTINGS	412	1,320	1,732	286	1,652	1,938
GRAND TOTAL	51,667	1,383	53,050	25,710	1,671	27,381

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the FOUR MONTHS ending APRIL, 1921.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	168,765	-----	168,765
Acid	107	-----	107
Bessemer	24	41	65
Electric	601	556	1,157
TOTAL STEEL INGOTS	169,497	597	170,094
STEEL CASTINGS:			
Open Hearth-Basic	230	1,134	1,364
Acid	4	215	219
Bessemer	165	625	790
Electric	1,482	5,087	6,569
TOTAL DIRECT STEEL CASTINGS	1,881	7,051	8,942
GRAND TOTAL	171,378	7,658	179,036



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Table 2 (a)

AVERAGE MONTHLY PRODUCTION OF STEEL INGOTS AND DIRECT STEEL CASTING

IN CANADA, 1907 - 1916.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE	YEAR	MONTHLY AVERAGE
1907	53	1912	71
1908	44	1913	87
1909	56	1914	62
1910	61	1915	76
1911	66	1916	106

Table 4 (b)

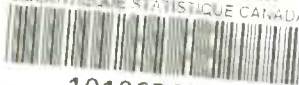
TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA BY MONTHS

From 1917 to Date

(In 1000's of Long Tons)

MONTH	1917	1918	1919	1920	1921
January	117	130	107	92	40
February	108	124	90	84	59
March	136	141	100	97	53
April	125	149	75	93	27
May	139	156	69	90	
June	122	148	68	91	
July	124	147	66	94	
August	130	152	54	105	
September	133	149	60	99	
October	144	164	66	111	
November	141	116	82	97	
December	139	105	87	56	
TOTAL	1558	1681	924	1109 To date 179	
MONTHLY AVERAGE	130	140	77	92 To date 45	

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