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of the
PRODUCTION OF IRON AND STEEL
IN CANADA

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PRODUCTION OF IRON AND STEEL IN CANADA APRIL 1925

PIG IRON AND FERRO-ALLOYS

For the month of April the production of pig iron in Canada amounted to 60,065 long tons and marked a slight decline from the March output of 63,932 tons. In March the whole output consisted of basic iron and in April this grade dropped 17 per cent to 52,851 tons; 2,899 tons of foundry iron and 4,315 tons of malleable iron were also produced.

The cumulative output for the four months ending April was 181,805 tons as compared with 285,155 tons produced during the same period of last year. This year's production consisted of 150,587 tons basic iron, 18,621 tons foundry iron and 12,597 tons of malleable iron and of the total output 83 per cent was made for the further use of the reporting firms, the balance or 17 per cent, being intended for sale.

Blast furnace charges in April consisted of 2,375 long tons of Canadian ore, 109,156 long tons of foreign ore, 65,564 short tons of coke and 35,379 short tons of limestone. For the year to date the total blast furnace consumption was 336,439 long tons of ore 201,867 short tons of coke and 101,304 short tons of flux.

Five furnaces were in blast at the end of the month located as follows: 2 at Sydney, N.S.; 2 at Sault Ste. Marie, Ont., and 1 at Hamilton, Ont. The daily capacity of the active furnaces was 2,075 tons or about 41 per cent of the total daily capacity of the 15 furnaces now being carried on the Bureau's list.

Ferro-alloys at 2,262 tons marked an increase of 15 per cent over the 1,962 tons of March, and consisted mainly of the grade composed of 80 per cent manganese; a small quantity of ferro-silicon also was produced.

PIG IRON AND FERRO ALLOYS IN CANADA

Table 1. PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2240 lb.)

ITEM	APRIL 1925			MARCH 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic	52,851		52,851	63,740	192	63,932
Foundry		2,899	2,899			
Malleable		4,315	4,315			
TOTAL	52,851	7,214	60,065	63,740	192	63,932
Ferro-alloys		2,262	2,262		1,962	1,962

Table 2. CUMULATIVE PRODUCTION FOR THE FOUR MONTHS ENDING APRIL
(Tons of 2240 lb.)

ITEM	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic	150,243	344	150,587	191,336	3,590	194,926
Foundry	85	18,536	18,621	270	77,294	77,564
Malleable		12,597	12,597		12,665	12,665
TOTAL	150,328	31,477	181,805	191,606	93,549	285,155
Ferro-alloys		7,695	7,695		11,415	11,415

TABLE 3. BLAST FURNACE CHARGES - MARCH, APRIL AND YEAR TO DATE

		April	March	TOTAL 4 months
Canadian Iron ore	Long tons	2,375	nil	2,375
Imported Iron ore	" "	109,156	116,726	334,064
Coke	Short tons	65,564	67,890	201,867
Limestone	" "	35,379	34,402	101,304

STEEL INGOTS AND CASTINGS

In April the production of steel ingots and castings in Canada, was 88,355 long tons or about 18 per cent below the 107,605 tons of March. The output was composed of 86,472 tons steel ingots and 1,883 tons steel castings, all of the ingots and 10 per cent of the castings being intended for the further use of the producing firms.

For the four months ending April, the cumulative production was 260,307 tons as compared with 311,386 tons for the same period of last year. This production was made up of 253,808 tons of steel ingots and 6,499 tons steel castings; the ingots marked a fall of 15 per cent and castings 51 per cent from the 298,045 tons ingots and 13,341 tons castings produced during the same period last year.

Pig iron prices moved downward in April, No. 1 Foundry at Toronto being quoted at \$27.10 and No. 2 Foundry at \$26.60 per ton as compared with \$29.80 and \$29.30, respectively, in March. At Montreal both grades were \$29.20 against \$31.20 last month. Basic pig iron at mill fell from \$24.00 to \$23.00 per ton. The Bureau's index number for iron and its products (1913 prices = 100) fell from 158.1 in March to 156.6 in April. Lower prices for iron ore, steel billets, steel sheets and wire nails also influenced the downward movement of the index.

In the United States, blast furnace operations were considerably reduced in April. This curtailment resulted in a loss of 6,343 tons per day or about 5.5 per cent. During the month 30 furnaces were blown out or banked, and 5 blown in, a net loss of 25.

STEEL INGOTS AND CASTINGS IN CANADA

Table 4 PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2240 lb.)

	APRIL 1925			MARCH 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	86,366		86,366	104,865		104,865
Acid						
Bessemer						
Other	106		106	660		660
TOTAL STEEL INGOTS	86,472		86,472	105,525		105,525
STEEL CASTINGS:						
Open Hearth-Basic	181	852	1,033	156	907	1,063
Acid						
Bessemer	4	132	136	6	135	141
Electric	3	711	714	4	872	876
TOTAL DIRECT STEEL CASTINGS	188	1,695	1,883	166	1,914	2,080
GRAND TOTAL	86,660	1,695	88,355	105,691	1,914	107,605

Table 5 CUMULATIVE PRODUCTION For the FOUR MONTHS ending APRIL

	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	252,115		252,115	297,883		297,883
Acid						
Bessemer						
Other	1,693		1,693	162		162
TOTAL STEEL INGOTS	253,808		253,808	298,045		298,045
STEEL CASTINGS:						
Open Hearth-Basic	438	2,851	3,289	572	9,336	9,908
Acid					782	782
Bessemer	18	490	508	20	558	578
Electric	9	2,693	2,702	101	1,972	2,073
TOTAL DIRECT STEEL CASTINGS	465	6,034	6,499	693	12,648	13,341
GRAND TOTAL	254,273	6,034	260,307	298,738	12,648	311,386

Table 6 AVERAGE MONTHLY PRODUCTION OF
P.C 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	63	55	1915	87	106
1912	75	71	1917	87	130
1913	84	87	1918	89	140
1914	58	52	1919	68	77
1915	66	75	1920	81	92

TABLE 7 TOTAL PRODUCTION OF
P.C IRON, STEEL INGOTS AND CASTINGS IN CANADA
BY MONTHS FROM 1921 TO DATE
(In 1000's of Long Tons)

MONTH	1921		1922		1923		1924		1925	
	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel
January	41	40	32	33	41	48	64	41	28	27
February	58	59	34	42	44	46	60	71	30	37
March	60	53	42	30	65	89	77	95	64	108
April	39	27	33	22	84	93	84	104	60	88
May	56	52	23	17	102	104	85	108		
June	55	64	29	33	99	96	57	69		
July	54	54	32	63	82	74	45	52		
August	50	72	27	39	93	105	23	23		
September	44	56	25	36	75	66	23	18		
October	50	72	37	53	74	67	29	20		
November	48	75	34	51	62	55	23	23		
December	40	43	36	47	60	41	23	26		
TOTAL	595	667	384	486	881	884	593	650	182	260
MONTHLY AVERAGE	50	56	32	40	73	74	49	54	45	65

Table 8. BLAST FURNACES IN CANADA, 1925

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	8	2,475
Canadian Furnace Co., Ltd.	Port Colborne, Ont.	1	325
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	725
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,500
TOTAL		15	5,025

NOTE: In previous issues of this report, the number of furnaces has been given as 20 but as 5 of this number have not been operated for several years, they have been omitted from the present record.

Table 9. DESCRIPTION OF FURNACES AT END OF APRIL

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	5	2,075	41
Banked	-	-	-
Blown out.....	10	2,950	59
Total furnaces reporting	15	5,025	100

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