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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

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PRODUCTION OF IRON AND STEEL IN CANADA

April 1927

Production of coke pig iron in Canada amounted to 77,240 long tons in April, an advance of 2 per cent over the 75,637 tons of March and 14 per cent over the output of 67,607 tons reported for April of a year ago. The increase was accounted for by the greater tonnage of foundry iron produced mostly for sale; production of this grade at 11,250 tons was almost double the March output of 5,729 tons. Each of the two other grades showed declines; basic iron produced mostly for further use by the makers dropped to 64,239 tons from 64,373 tons and malleable iron fell off sharply to 1,751 tons from 5,535 tons in March.

Blast furnace charges during the month included 138,750 tons of imported iron ore, 82,273 short tons of coke and 41,762 short tons of limestone. For each long ton of pig iron made in April there were charged to the blast furnaces 4,024 pounds of iron ore, 2,130 pounds of coke and 1,080 pounds of limestone.

For the four months ending April the cumulative production of pig iron in Canada was 255,289 tons, an increase of 12 per cent over the 227,248 tons produced during the corresponding period of 1926. This year's output included 185,441 tons of basic iron, 49,690 tons of foundry iron and 20,158 tons of malleable iron.

As no additional furnaces were blown in during the month and none blown out or banked the same six furnaces were in blast on April 30 as at March 31. Active furnaces in April having a daily capacity of 2,375 long tons per day or 47 per cent of the total capacity of all blast furnaces in Canada were located at the following points: 2 at Sydney, N.S.; 2 at Hamilton, Ont.; and 2 at Sault Ste. Marie, Ont.

Ferro-alloys production consisting mostly of the grade having a high manganese content dropped 18 per cent to 2,747 tons in April from 3,331 tons in March. Small quantities of ferrosilicon were also produced.

STEEL INGOTS AND CASTINGS

Steel ingots and castings production in Canada during April at 109,107 tons showed an increase of about 2 per cent over the March figure of 107,381 tons. In April of last year the output was 79,936 tons. The gain was altogether in steel ingots produced for the further use of the makers; production of this grade advanced to 104,540 tons from 102,141 tons and more than offset the lowered output of direct steel castings which fell off to 4,567 tons from 5,240 tons in the previous month.

For the four months ending April the cumulative production was 330,659 tons, a gain of 27 per cent as compared with the 260,394 tons produced during the corresponding period of last year. This year's output included 314,723 tons of steel ingots and 15,936 tons of direct steel castings; all of the ingots and 5 per cent of the castings were produced for the further use of the makers, the balance of the castings being made for sale.

Pig iron prices showed no change on the 15th of April as compared with the 15th of March. No. 1 foundry pig iron (2.25% to 2.75% silicon) delivered in Montreal was still quoted at \$27.50 per ton and No. 2 foundry (1.75% - 2.25% silicon) delivered in Montreal, at \$26.50. At Toronto No. 1 foundry was again \$24.80 and No. 2 foundry \$24.30. The Bureau's index number for Iron and Its Products (1913 prices = 100) declined slightly to 143.7 in April from 144.6 in March. This was caused chiefly by lower prices for steel billets and round and square steel bars.

In the United States the daily rate of pig iron production at 114,074 tons in April was the highest recorded this year. It represented a gain of 1,708 tons per day or about 1.5 per cent over the daily rate in March and although slightly under the April, 1926, average of 115,004 tons, it was the highest since that month. April was the first month this year in which a loss in active furnaces was recorded, 8 having been shut down and 5 blown in, a net loss of 3.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	APRIL 1927			MARCH 1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	62,717	1,522	64,239	62,005	2,368	64,373
Foundry.....	95	11,155	11,250	111	5,618	5,729
Malleable.....		1,751	1,751		5,535	5,535
TOTAL.....	62,812	14,428	77,240	62,116	13,521	75,637
Ferro-alloys.....		2,747	2,747		3,331	3,331

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

ITEM	1927			1926		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	181,275	4,166	185,441	144,407	4,015	148,422
Foundry.....	501	49,189	49,690	605	66,292	66,897
Malleable.....		20,158	20,158		11,929	11,929
TOTAL.....	181,776	73,513	255,289	145,012	82,236	227,248
Ferro-alloys.....		13,605	13,605		10,517	10,517

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

		APRIL	MARCH	YEAR TO DATE
Canadian Iron ore	Long tons			
Imported Iron ore	" "	138,750	136,439	454,962
Coke	Short tons	82,273	81,887	281,534
Limestone	" "	41,762	42,641	140,208

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	APRIL 1927			MARCH 1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic Acid	104,407		104,407	100,908		100,908
Bessemer						
Other	133		133	1,233		1,233
TOTAL STEEL INGOTS	104,540		104,540	102,141		102,141
STEEL CASTINGS:						
Open Hearth-Basic Acid	184	2,119	2,303	172	2,319	2,491
Bessemer	9	220	229	12	260	272
Electric	4	2,031	2,035	6	2,471	2,477
TOTAL DIRECT STEEL CASTINGS	197	4,370	4,567	190	5,050	5,240
GRAND TOTAL	104,737	4,370	109,107	102,331	5,050	107,381

Table 5 CUMULATIVE PRODUCTION for the FOUR MONTHS ending APRIL

	1927			1926		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic Acid	311,350		311,350	241,167		241,167
Bessemer						
Other	3,373		3,373	6,148		6,148
TOTAL STEEL INGOTS	314,723		314,723	247,315		247,315
STEEL CASTINGS:						
Open Hearth-Basic Acid	634	7,296	7,930	653	7,157	7,810
Bessemer	36	766	802	22	495	517
Electric	161	7,043	7,204	9	4,743	4,752
TOTAL DIRECT STEEL CASTINGS	831	15,105	15,936	684	12,395	13,079
GRAND TOTAL	315,554	15,105	330,659	247,999	12,395	260,394

Table 6 AVERAGE MONTHLY PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1914 - 1925.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1914	58	62	1920	81	92
1915	68	76	1921	50	56
1916	87	106	1922	32	40
1917	87	130	1923	73	74
1918	89	140	1924	49	54
1919	68	77	1925	48	63

TABLE 7 PRODUCTION OF PIG IRON BY MONTHS AND BY PROVINCES, AND STEEL
INGOTS AND CASTINGS BY MONTHS IN CANADA (In 1000's of
Long Tons) 1926-1927.

MONTH	PIG IRON				STEEL			
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1926	1927	1926	1927	1926	1927	1926	1927
January	25	22	32	30	57	52	69	59
February	20	20	30	31	50	51	53	56
March	22	25	31	51	53	76	59	107
April	21	24	47	53	68	77	80	109
May	22		51		73		90	
June	21		50		71		81	
July	20		47		67		65	
August	14		45		59		46	
September	18		46		64		59	
October	22		48		70		64	
November	22		30		52		54	
December	23		31		54		58	
TOTAL	250	91	488	165	738	256	778	331
MONTHLY AVERAGE	21	23	41	41	61	64	65	83

Table 8. BLAST FURNACES IN CANADA, 1927

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

Table 9. DESCRIPTION OF FURNACES AT END OF APRIL

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	6	2,375	47
Banked	-	-	-
Blown out	9	2,650	53
Total furnaces reporting	15	5,025	100

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