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Monthly Report

on

PRODUCTION OF IRON AND STEEL

in Canada

APRIL 1929

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DOMINION BUREAU OF STATISTICS, CANADA
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PRODUCTION OF IRON AND STEEL IN CANADA

APRIL 1929

PIG IRON.— Production of pig iron in Canada during April amounted to 79,341 long tons according to a statement issued by the Dominion Bureau of Statistics at Ottawa. This output was the lowest for the year to date, being 8 per cent under the 86,176 tons of the preceding month but 6 per cent over the 74,736 tons reported for April of a year ago. Compared with figures for the previous month data for April showed a decline in output for the basic and malleable grades while foundry iron advanced to 19,039 tons from 7,958 tons; basic iron dropped to 57,639 tons from 74,070 tons and malleable iron fell off to 2,663 tons from 4,148 tons.

Blast furnace charges during the month included 135,872 long tons of imported iron ore, 44,465 short tons of limestone and 84,587 tons of coke. Of the limestone 10,743 tons were mined in Canada and the balance was imported. Of the coke, all of which was carbonized in Canada, 29,293 tons were made from Canadian coal and 55,294 tons from imported coal. For the year to date furnace charges included 596,847 tons of ore, 191,456 tons of limestone and 374,674 tons of coke.

During the month 1 furnace at Sydney, N.S. was blown out leaving 6 furnaces in blast on April 30. The active furnaces had a capacity of 2,475 long tons per day, or 60 per cent of the total capacity of all blast furnaces in Canada, and were located as follows: 2 at Sydney, N.S.; 2 at Hamilton, Ont.; and 2 at Sault Ste. Marie, Ont.

For the four months ending April the cumulative production of pig iron amounted to 347,220 tons, an increase of 23 per cent over the 282,823 tons produced during the corresponding period of last year. During the first four months of 1927 production totalled 255,289 tons and in 1926 to 227,248 tons. This year's output to date included 269,727 tons of basic iron, 65,000 tons of foundry iron and 12,493 tons of malleable iron.

FERRO-ALLOYS.— Production of ferro-alloys in Canada during April at 5,744 tons was slightly under the 5,972 tons of the previous month. For the first four months of this year production totalled 23,981 tons, an increase of 35 per cent as compared with the 17,808 tons reported for the four months ending April, 1928.

STEEL INGOTS AND CASTINGS.- According to a statement issued by the Dominion Bureau of Statistics, the production of steel ingots and direct steel castings in Canada at 122,102 tons in April was the second highest output reported since 1918 being only exceeded in the next preceding month when the tonnage was reported at 137,158 tons. Compared with figures for March the data for April showed a slight increase in the tonnage of castings to 6,220 tons from 5,829 tons while ingots dropped to 115,882 tons from 131,329 tons.

For the four months ending April of this year, production totalled 492,965 tons, an increase of 19 per cent over the 414,153 tons reported for the first four months of last year. During the corresponding period of 1927 production amounted to 330,659 tons and in 1926 to 260,394 tons.

PRICES.- Higher levels prevailed for pig iron prices in April, two advances of 50 cents each having gone into effect since the last report. The middle of the month quotations at Montreal were: No. 1 foundry at \$25.50 to \$26.00 and No. 2 foundry, \$25.00 to \$25.50. At Toronto, No. 1 foundry was \$24.60 and No. 2 foundry, \$24.10. Good demand, advancing prices in the United States and the fact that pig iron stocks are the lowest since 1923 were mainly responsible for the higher prices. The Bureau's index for the group "Iron and its Products" reflected the firmness in pig iron, advancing from 93.4 in March to 93.6 in April.

UNITED STATES.- In the United States the daily rate of pig iron production in April exceeded that of the previous month, replacing the March average as the third highest on record. Pig iron output in April averaged 121,900 tons a day, a gain of 1.74 per cent over the March rate of 119,822 tons daily. During the month 9 furnaces were blown in and 6 shut down, a net gain of 3.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	APRIL 1929			MARCH 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	57,189	450	57,639	73,848	222	74,070
Foundry.....	97	18,942	19,039	145	7,813	7,958
Malleable.....	-----	2,663	2,663	-----	4,148	4,143
TOTAL.....	57,286	22,055	79,341	73,993	12,183	86,176
Ferro-alloys.....	-----	5,744	5,744	-----	5,972	5,972

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

ITEM	1929			1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	268,653	1,074	269,727	212,959	4,878	217,837
Foundry.....	536	64,464	65,000	6,599	47,842	54,441
Malleable.....	-----	12,493	12,493	-----	10,565	10,565
TOTAL.....	269,189	78,031	347,220	219,558	63,285	282,843
Ferro-alloys.....	-----	23,981	23,981	-----	17,803	17,803

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

		APRIL 1929	MARCH 1929	YEAR TO DATE
Imported Iron ore.....	Long tons	135,872	154,756	596,847
Canadian Limestone.....	Short tons	10,743	10,548	41,148
Imported Limestone.....	" "	33,722	40,126	150,308
Coke made in Canada:-				
From Canadian coal.....	" "	29,293	65,535	160,805
From Imported coal.....	" "	55,294	29,471	191,466
Imported coke.....	" "	-----	3,702	22,403

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	APRIL 1929			MARCH 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	114,114	96	114,210	128,610	178	128,788
Acid	-----	-----	-----	-----	-----	-----
Electric	705	-----	705	1,230	-----	1,230
Other	967	-----	967	1,311	-----	1,311
TOTAL STEEL INGOTS	115,786	96	115,882	131,151	178	131,329
STEEL CASTINGS:						
Open Hearth-Basic	181	3,049	3,230	184	27	211
Acid	-----	-----	-----	4	2,541	2,545
Bessemer	4	208	212	7	325	332
Electric	23	2,755	2,778	10	2,731	2,741
TOTAL DIRECT STEEL CASTINGS	208	6,012	6,220	205	5,624	5,829
GRAND TOTAL	115,994	6,108	122,102	131,356	5,802	137,158

Table 5 CUMULATIVE PRODUCTION for the FOUR MONTHS ending APRIL

	1929			1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	461,047	515	461,562	392,372	-----	392,372
Acid	-----	-----	-----	-----	-----	-----
Electric	3,811	-----	3,811	3,540	113	3,653
Other	4,871	-----	4,871	2,580	183	2,763
TOTAL STEEL INGOTS	469,729	515	470,244	398,492	296	398,788
STEEL CASTINGS:						
Open Hearth-Basic	714	3,427	4,141	738	6,116	6,854
Acid	24	7,254	7,278	-----	-----	-----
Bessemer	29	1,080	1,109	29	626	655
Electric	47	10,146	10,193	135	7,721	7,856
TOTAL DIRECT STEEL CASTINGS	814	21,907	22,721	902	14,463	15,365
GRAND TOTAL	470,543	22,422	492,965	399,394	14,759	414,153

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

IN CANADA, 1916 - 1927.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1916	87	106	1922	32	40
1917	87	130	1923	73	74
1918	89	140	1924	49	54
1919	68	77	1925	48	63
1920	81	92	1926	63	64
1921	50	56	1927	59	76

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) 1928-1929.

MONTH	PIG IRON						STEEL	
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1928	1929	1928	1929	1928	1929	1928	1929
January	22	21	43	67	65	88	84	116
February	24	41	41	53	65	94	99	117
March	26	32	52	54	78	86	118	137
April	25	24	50	55	75	79	113	122
May	24		64		88		118	
June	24		73		97		117	
July	21		74		95		83	
August	23		69		92		89	
September	24		67		91		100	
October	25		68		93		109	
November	30		65		95		108	
December	35		68		103		103	
TOTAL	303	118	734	229	1,037	347	1,241	492
MONTHLY AVERAGE	25	30	61	57	86	87	103	123

Table 8. BLAST FURNACES IN CANADA, 1928 REVISED

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	4	1,400
Canadian Furnace Co., Ltd.	Port Colborne, Ont.	1	300
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	825
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600
TOTAL		11	4,125

Table 9. DESCRIPTION OF FURNACES AT END OF APRIL 1929

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	6	2,475	60
Banked	-	-	-
Blown out.....	5	1,650	40
Total furnaces reporting.....	11	4,125	100



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