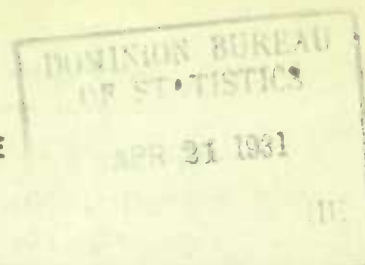


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Monthly Report
on
PRODUCTION OF IRON AND STEEL
in Canada

MARCH 1931

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PRODUCTION OF IRON AND STEEL IN CANADA

MARCH 1931

PIG IRON.— Production of pig iron in Canada during March totalled 57,110 tons being at the rate of 1,842 tons per day. This output represented a gain of 11 per cent over the February daily rate of 1,657 tons which in turn was 44 per cent higher than the average of 1,145 tons per day reported for January.

As in February the increase over the preceding month was mostly in the basic grade made for the further use of the producers: this grade rose to 50,165 tons from 43,400 tons. Foundry iron also advanced to 5,357 tons from 1,356 tons while malleable iron at 1,588 tons in March showed little change from the 1,639 tons in February.

For the three months ending March 31, 1931, the cumulative output of pig iron in Canada amounted to 139,097 tons, a decline of 40 per cent from the total of 232,261 tons made during the first quarter of last year which in turn was 14 per cent under the 267,879 tons reported for the corresponding period of 1929.

Furnace charges for March included 104,232 long tons of imported iron ore, 50,328 short tons of limestone, and 60,292 short tons of coke. All of the coke was carbonized in Canada, 18,961 tons being from Canadian coal and the balance from imported coal; of the limestone, 7,242 tons were quarried in Canada, and the balance was imported.

No change was made in the active furnaces during the month, the same furnaces being in blast on March 31 as on February 28. The active furnaces had a daily capacity of 1,850 long tons a day, or about 44 per cent of the total capacity of all iron blast furnaces in Canada and were located as follows:— 2 at Sault Ste. Marie, Ont.: 1 at Hamilton, Ont.: and 1 at Sydney, N.S.

FERRO-ALLOYS.- Production of 4,526 tons of ferro-alloys in Canada during March marked a slight increase in the rate of output over the 28 days of February when the quantity totalled 4,006 tons. Output for the first quarter of this year aggregated 12,999 tons as compared with 17,043 tons made during the first three months of last year. This year's output to date consisted mostly of high grade ferromanganese and a comparatively small tonnage of ferrosilicon.

STEEL INGOTS AND CASTINGS.- Production of steel ingots and direct steel castings in Canada totalled 99,341 tons during March which was the third month in succession to show an increase since production dropped to its recent low of 56,101 tons last December. The daily rate of output for March at 3,205 tons was 9 per cent greater than the February average of 2,951 tons per day which in turn was 69 per cent over the daily average of 1,858 tons in January.

For the three months ending March of this year the cumulative production of steel totalled 239,576 tons as against 339,299 tons during the first quarter of 1930 and 370,863 tons in the first three months of 1929. This year's output to date included 224,391 tons of ingots and 15,185 tons of castings.

PRICES.- Prices of iron and steel products showed little change from the previous month although a decided improvement was reported in the volume of business done. Foundries increased their output approximately 10 per cent and steel mills operated at a higher rate owing to a steady flow of orders from railways and other sources. No. 1 and No. 2 foundry pig iron were unchanged at \$22.60 and \$22.10 per gross ton delivered at Toronto, and \$24.00 and \$23.50 per gross ton delivered at Montreal. The Bureau's index for "Iron and Its Products" moved down from 87.9 to 87.8, owing chiefly to easier prices for galvanized steel sheets and automobile body plates.

UNITED STATES.- In the United States the production of pig iron during March showed an increase for the third successive month. March output at 65,556 tons a day was 7.6 per cent greater than the February rate of 60,950 tons per day. Notwithstanding the gain, the showing for March was the poorest for any March since 1921.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	MARCH 1931			FEBRUARY 1931		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	50,165	.....	50,165	43,400	.....	43,400
Foundry.....	187	5,170	5,357	.....	1,356	1,356
Malleable.....	.....	1,588	1,588	.....	1,639	1,639
TOTAL.....	50,352	6,758	57,110	43,400	2,995	46,395
Ferro-alloys .....	.....	4,526	4,526	.....	4,006	4,006

Table 2. CUMULATIVE PRODUCTION FOR THE THREE MONTHS ENDING MARCH
(Tons of 2240 lb.)

ITEM	1931			1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	112,491	40	112,531	156,663	726	157,389
Foundry.....	346	11,078	11,424	571	49,384	49,955
Malleable.....	.....	15,142	15,142	.....	24,912	24,912
TOTAL.....	112,837	26,260	139,097	157,233	75,022	232,255
Ferro-alloys .....	.....	12,999	12,999	.....	17,043	17,043

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

	MARCH	FEBRUARY	YEAR TO DATE
Imported Iron ore.....Long tons	104,232	86,451	254,408
Canadian Limestone.....Short tons	7,242	6,303	19,574
Imported Limestone"	23,086	19,038	58,016
Coke made in Canada:-			
From Canadian coal....."	18,961	16,860	52,910
From Imported coal....."	41,331	32,665	96,194
Imported coke....."	.....	.....	.....

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	MARCH 1931			FEBRUARY 1931		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	91,399	52	91,451	74,776	45	74,821
Acid						
Electric	1,825		1,825	2,614		2,614
Other						
TOTAL STEEL INGOTS	93,224	52	93,276	77,390	45	77,435
STEEL CASTINGS:						
Open Hearth-Basic	178	2,465	2,643	178	2,625	2,803
Acid						
Bessemer	3	141	144	3	160	163
Electric	27	3,251	3,278	13	2,223	2,236
TOTAL DIRECT STEEL CASTINGS	208	5,857	6,065	194	5,008	5,202
GRAND TOTAL	93,432	5,909	99,341	77,584	5,053	82,637

Table 5 CUMULATIVE PRODUCTION FOR THE THREE MONTHS ENDING MARCH

	1931			1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	216,122	146	216,268	308,803	120	308,923
Acid						
Electric	8,123		8,123	6,079		6,079
Other				3,276		3,276
TOTAL STEEL INGOTS	224,245	146	224,391	318,163	120	318,283
STEEL CASTINGS:						
Open Hearth-Basic	582	6,751	7,333	568	10,030	10,648
Acid						
Bessemer	11	454	465	15	603	618
Electric	60	7,318	7,387	82	9,668	9,750
TOTAL DIRECT STEEL CASTINGS	662	14,523	15,185	665	20,351	21,016
GRAND TOTAL	224,907	14,669	239,576	318,828	20,471	339,299

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Table 6 AVERAGE MONTHLY PRODUCTION OF

PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1916 - 1929.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1916	87	106	1923	73	74
1917	87	130	1924	49	54
1918	89	140	1925	48	63
1919	68	77	1926	63	64
1920	81	92	1927	59	76
1921	50	56	1928	86	103
1922	32	40	1929	91	115

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) 1930-1931.

MONTH	PIG IRON				STEEL			
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1930	1931	1930	1931	1930	1931	1930	1931
January	23	15	64	21	87	36	115	58
February	19	14	52	32	71	46	107	83
March	22	17	53	40	75	57	117	99
April	21		51		72		103	
May	19		62		81		99	
June	16		50		66		95	
July	16		49		65		68	
August	16		41		57		58	
September	16		33		49		56	
October	15		25		40		65	
November	15		31		46		72	
December	16		22		38		56	
TOTAL	214	46	553	93	747	139	1,011	240
MONTHLY AVERAGE	18	15	44	31	62	43	84	80

Table 8. BLAST FURNACES IN CANADA, 1930.

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	4	1,450
Canadian Furnace Co., Ltd.	Port Colborne, Ont.	1	350
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	825
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600
TOTAL		11	4,225

Table 9. DESCRIPTION OF FURNACES AT END OF MARCH, 1931.

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	4	1,850	44
Banked	—	—	—
Blown out	7	2,375	56
Total furnaces reporting	11	4,225	100



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