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Monthly Report
on
PRODUCTION OF IRON AND STEEL

in Canada

APRIL 1932

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PRODUCTION OF IRON AND STEEL IN CANADA

APRIL, 1932.

PIG IRON - Production of pig iron in Canada during April averaged 563 long tons a day to make a total for the month of 16,898 tons. This rate of output was 3 per cent under the 580 tons per day in the next preceding month but exceeded the corresponding averages of 362 and 332 tons in February and January, respectively. In April of last year the daily tonnage amounted to 1,793.

Iron blast furnace charges during the month included 30,059 long tons of imported iron ore, 8,683 short tons of limestone, and 17,299 short tons of coke. Of the limestone, 4,035 tons were quarried in Canada and all of the coke was made in Canada from imported coal. For the four months ending April 30, 1932, a total of 94,731 long tons of iron ore, 26,242 short tons of limestone and 57,205 short tons of coke were used to produce 55,699 long tons of pig iron.

Two iron blast furnaces, one located at Sault Ste. Marie, Ont., and one at Hamilton, Ont., were in blast during the entire month. These active furnaces had a capacity of 850 long tons per day, or about 20 per cent of the total capacity of all iron blast furnaces in Canada.

FERRO ALLOYS - Production of ferro alloys in Canada reached the highest level for any month of the year to date when it amounted to 2,185 tons in April. Output in March was reported at 1,295 and in April of a year ago at 4,605 tons. This month's output consisted of only two main grades, ferrosilicon and ferromanganese.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings in Canada amounted to 36,030 tons during April which was the second best month reported for the year to date being 17 per cent under this year's record established in the previous month at 43,572 tons. The decline from March was altogether accounted for by the lowered output of steel ingots which dropped to 35,030 tons from 42,460 tons while direct steel castings at 1,000 tons showed little change from the previous month's 1,112 tons.

For the four months ending April, the production of primary steel in Canada aggregated 133,131 tons as compared with 331,037 tons during the corresponding period of last year and 441,980 tons in the first four months of 1930.

PRICES - A somewhat firmer tone prevailed in the iron and steel markets during April, with current sales of small spot tonnages continuing. There was a slight improvement noted in the demand for scrap early in the month but business soon dropped back to the regular routine. No. 1 and No. 2 foundry pig iron were unchanged at \$22.60 and \$22.10 per gross ton at Toronto and at \$23.80 and \$23.30 per gross ton respectively at Montreal. The Bureau's index for Iron and Its Products advanced from 86.3 to 86.5 being influenced more by higher prices for hot rolled and annealed steel sheets, scrap iron and steel, and steel tank plates, than by declines for galvanized steel sheets and automobile body plates.

UNITED STATES - "Iron Age." Pig iron production in the United States touched a new low point in April, the daily rate of 28,430 long tons having come within striking distance of the minimum output of 1921, which was 27,889 tons a day in July of that year. The daily rate in April was about 8.9 per cent below the March average of 31,201 tons. During the month three furnaces were put out and three put in with the result that there was no change in the number of active furnaces as between the first and last days of the month.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

Item	A P R I L, 1932			M A R C H, 1932		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL

In blast furnace:-

Basic	9,471	...	9,471	17,117	...	17,117
Foundry .....	...	...	...	38	834	872
Malleable .....	...	7,427	7,427	...	...	...
TOTAL	9,471	7,427	16,898	17,155	834	17,989
Ferro-alloys .....	...	2,185	2,185	...	1,295	1,295

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

Item	1 9 3 2			1 9 3 1		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL

In blast furnace:-

Basic	34,259	...	34,259	158,906	40	158,946
Foundry	38	13,975	14,013	497	18,304	18,801
Malleable .....	...	7,427	7,427	...	15,142	15,142
TOTAL	34,297	21,402	55,699	159,403	33,486	192,889
Ferro-alloys .....	...	6,734	6,734	...	17,604	17,604

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

	April	March	YEAR TO DATE
Imported iron ore long tons	30,059	32,790	94,731
Canadian limestone short tons	4,035	4,529	17,271
Imported limestone short tons	4,648	4,323	8,971
Coke made in Canada:-			
From Canadian coal short tons	...	...	...
From imported coal short tons	17,299	18,637	57,205
Imported coke short tons	...	...	...

STEEL INGOTS AND CASTINGS IN CANADA

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

Item	A P R I L, 1932			M A R C H, 1932		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS:						
Open Hearth - Basic	33,521	163	33,684	40,781	107	40,888
Acid .....	...	...	...	...	...	...
Electric	1,346	...	1,346	1,572	...	1,572
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS	34,867	163	35,030	42,353	107	42,460
STEEL CASTINGS:						
Open Hearth - Basic	40	168	208	61	241	302
Acid .....	...	...	...	...	...	...
Bessemer	4	75	79	3	114	117
Electric	21	692	713	16	677	693
TOTAL DIRECT STEEL CASTINGS	65	935	1,000	80	1,032	1,112
GRAND TOTAL	34,932	1,098	36,030	42,433	1,139	43,572

Table 5 CUMULATIVE PRODUCTION FOR THE FOUR MONTHS ENDING APRIL.

Item	I 9 3 2			1 9 3 1		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS:						
Open Hearth - Basic	121,105	512	121,617	300,272	146	300,418
Acid .....	...	...	...	...	...	...
Electric	7,230	...	7,230	10,745	...	10,745
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS	128,335	512	128,847	311,017	146	311,163
STEEL CASTINGS:						
Open Hearth - Basic	274	1,009	1,283	715	8,429	9,144
Acid .....	...	...	...	...	...	...
Bessemer	10	339	349	16	584	600
Electric	204	2,448	2,652	93	10,037	10,130
TOTAL DIRECT STEEL CASTINGS	488	3,796	4,284	824	19,050	19,874
GRAND TOTAL	128,823	4,308	133,131	311,841	19,196	331,037

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS IN CANADA,
1916 - 1930.

(In 1000's of Long Tons)

Year	MONTHLY AVERAGE		Year	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1916	87	106	1924	49	54
1917	87	130	1925	48	63
1918	89	140	1926	63	64
1919	68	77	1927	59	76
1920	81	92	1928	86	103
1921	50	56	1929	91	115
1922	32	40	1930	62	84
1923	73	74			

Table 7 - PRODUCTION OF PIG IRON BY MONTHS AND BY PROVINCES, AND STEEL INGOTS AND
CASTINGS BY MONTHS IN CANADA, 1931-1932. (In 1000's of Long Tons)

Month	P I G		I R O N		T O T A L C A N A D A		S T E E L	
	NOVA SCOTIA		ONTARIO		T O T A L C A N A D A		T O T A L C A N A D A	
	1931	1932	1931	1932	1931	1932	1931	1932
January	15	..	21	10	36	10	58	25
February	14	..	32	11	46	11	83	28
March	17	..	40	18	75	18	99	44
April	17	..	37	17	54	17	91	36
May	15		36		51		75	
June	15		41		56		56	
July	8		32		40		45	
August .....	..		23		23		52	
September .....	..		18		18		33	
October .....	..		12		12		31	
November .....	..		14		14		28	
December .....	..		14		14		21	
TOTAL	101	..	320	56	421	56	672	133
MONTHLY AVERAGE...	8	..	27	14	36	14	56	33

Table 8 - BLAST FURNACES IN CANADA, 1931.

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 Company, 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

Table 9 - DESCRIPTION OF FURNACES AT END OF APRIL, 1932.

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	2	850	20
Banked
Blown out	9	3,375	80
TOTAL FURNACES REPORTING	11	4,225	100



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