

DOMINION BUREAU OF STATISTICS - CANADA

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PRODUCTION OF IRON AND STEEL IN CANADA

Historical File Copy.

APRIL, 1934.

PIG IRON - Production of pig iron in Canada during April amounted to 27,355 long tons compared with 12,101 tons in March. This month's output included 22,190 tons of basic iron, 446 tons of foundry iron and 4,719 tons of malleable iron. All of the basic iron was for use in the producing companies steel plants but all of the foundry and malleable iron was for sale.

For the first four months of 1934 the output of pig iron was 82,332 tons compared with 35,353 tons in the corresponding period of 1933.

Furnace charges during April included 48,322 long tons of iron ore, 12,602 short tons of limestone and 24,317 short tons of coke. All of the coke was made in Canada from imported coal, but only 6,937 tons of the limestone was quarried in this country.

Two furnaces were in blast throughout the month, one at Hamilton, Ontario, and one at Sault Ste. Marie, Ontario. These active furnaces had a capacity of 1,000 tons of pig iron per day and represented 24 per cent of the total capacity of all blast furnaces in Canada.

FERRO-ALLOYS -- Ferro-alloy production totalled 2,162 long tons in April compared with 1,413 tons in March. This tonnage was made up of ferromanganese, spiegeleisen, ferrosilicon and silico manganese. For the year to date the output was 7,009 tons against 4,138 tons for last year.

STEEL INGOTS AND CASTINGS - Steel production during April was slightly lower than in March, the totals being 70,363 long tons and 72,923 tons respectively. This month's output included 68,733 tons of ingots, all for use in the producers' rolling mills and 1,630 tons of castings of which 1,509 tons were intended for sale and 121 tons for use in the producing companies' own works.

During the first four months of this year the cumulative production of steel totalled 262,072 long tons compared with 75,736 tons for the corresponding period of last year.

PRICES - The volume of trading in iron and steel products, which had been on the upgrade for some time past, continued to show improvement in April while prices remained comparatively firm. As formerly, the chief demand was furnished by the mining and the automotive industries but several other industries continued to absorb increasing amounts of steel products. Export demand was also reported better and the value of foreign shipments rose from \$2,504,853 in February to \$3,856,340 in March.

The index number of wholesale prices of "Iron and Its Products" on the base 1926 = 100, remained unchanged at 87.2, minor price changes for cold rolled sheets being insufficient to affect the general index.

Quotations for foundry pig iron were the same as in the previous month. No. 1 was quoted at \$23.00 per gross ton delivered at Montreal and at \$21.50 per gross ton delivered at Toronto. No. 2 pig iron was \$22.50 and \$21.00 per gross ton at these respective centres.

UNITED STATES - In the United States the production of pig iron during April showed an increase of 12 per cent over March and reached the highest rate since August, 1933. A further expansion for May is indicated by a net gain of 13 active blast furnaces since April 1. The April output was at the rate of 58.488 tons per day compared with 52.243 tons per day during March.

(a) PIG IRON AND FERRO-ALLOYS IN CANADA

Table 1 - Production for the Current and Preceding Month (Tons of 2,240 lb.)

Item	A P R I L, 1934			M A R C H, 1934		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>In blast furnace:-</u>						
Basic	22,190	...	22,190	8,141	...	8,141
Foundry .....	...	446	446	...	2,692	2,692
Malleable .....	...	4,719	4,719	...	1,268	1,268
TOTAL	22,190	5,165	27,355	8,141	3,960	12,101
Ferro-alloys .....	...	2,162	2,162	...	1,413	1,413

Table 2 - Cumulative Production for the Four Months ending April (Tons of 2,240 lb.)

Item	1 9 3 4			1 9 3 3		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>In blast furnace:-</u>						
Basic	63,542	...	63,542	33,603	...	33,603
Foundry .....	...	8,358	8,358	...	500	500
Malleable .....	...	10,432	10,432	...	1,250	1,250
TOTAL	63,542	18,790	82,332	33,603	1,750	35,353
Ferro-alloys .....	...	7,009	7,009	...	4,138	4,138

Table 3 - Iron Blast Furnace Charges, April, March, and Year to Date.

		April, 1934	March, 1934	Year to Date
Imported iron ore	long ton	48,322	22,255	144,531
Canadian limestone	short ton	6,937	794	13,348
Imported limestone	short ton	5,665	5,398	32,038
<u>Coke made in Canada -</u>				
From Canadian coal	short ton	...	...	14,984
From imported coal	short ton	24,317	12,003	69,150
Imported coke	short ton	...	...	...

(b) STEEL INGOTS AND DIRECT CASTINGS

Table 4 - Production for the Current Month and Preceding Month (Tons of 2,240 lb.)

Item	A P R I L, 1934			M A R C H, 1934		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	65,971	...	65,971	69,362	...	69,362
Acid .....	...	...	...	...	...	...
Electric	1,898	...	1,898	1,719	...	1,719
Other	864	...	864	...	...	...
Total Steel Ingots	68,733	...	68,733	71,081	...	71,081
<u>STEEL CASTINGS</u>						
Open hearth - Basic	96	345	441	118	448	566
Acid .....	...	...	...	...	...	...
Bessemer .....	...	34	34	...	45	45
Electric	25	1,130	1,155	22	1,209	1,231
Total Direct Steel Castings	121	1,509	1,630	140	1,702	1,842
GRAND TOTAL	68,854	1,509	70,363	71,221	1,702	72,923

Table 5 - Cumulative Production for the Four Months ending April

Item	1 9 3 4				1 9 3 3			
	For own use	For sale	TOTAL		For own use	For sale	TOTAL	
<u>STEEL INGOTS</u>								
Open hearth - Basic	248,159	...	248,159		64,933	30	64,963	
Acid .....	...	...	...		...	...	...
Electric	6,734	...	6,734		5,350	...	5,350	
Other	864	...	864		...	...	...
Total Steel Ingots	255,757	...	255,757		70,283	30	70,313	
<u>STEEL CASTINGS</u>								
Open hearth - Basic	377	1,629	2,006		24	1,741	1,765	
Acid .....	...	...	...		...	...	...
Bessemer .....	...	145	145		7	217	224	
Electric	133	4,031	4,164		152	3,282	3,434	
Total Direct Steel Castings	510	5,805	6,315		183	5,240	5,423	
GRAND TOTAL	256,267	5,805	262,072		70,466	5,270	75,736	

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1932. (In 1000's of long tons)

Years	Monthly Average		Years	Monthly Average	
	Iron	Steel		Iron	Steel
1916	87	106	1925	48	63
1917	87	130	1926	63	64
1918	89	140	1927	59	76
1919	68	77	1928	86	103
1920	81	92	1929	91	115
1921	50	56	1930	62	84
1922	32	40	1931	36	56
1923	73	74	1932	12	29
1924	49	54			

Table 7 - Production of Pig Iron by Months and by Provinces, and Steel Ingots and Castings by Months in Canada, 1933 and 1934. (In 1000's of long tons)

Months	P I G I R O N				S T E E L			
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		TOTAL CANADA	
	1933	1934	1933	1934	1933	1934	1933	1934
January	16	12	13	19	29	31	41	61
February	6	..	..	12	6	12	12	58
March .....	..	..	..	12	..	12	11	73
April .....	..	..	..	27	..	27	12	70
May .....	..	..	..	..	..	..	23	..
June	1	..	..	..	1	..	32	..
July	16	..	16	..	32	..	49	..
August	16	..	19	..	35	..	49	..
September	16	..	15	..	31	..	38	..
October	17	..	10	..	27	..	48	..
November	16	..	14	..	30	..	43	..
December	15	..	23	..	38	..	50	..
TOTAL	119	12	110	70	229	82	408	262
Monthly Average	10	4	9	18	19	22	34	66

Table 8 - Iron Blast Furnaces in Canada, 1933.

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long tons)
British Empire Steel Corp. 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 Corp. Ltd.	Sault Ste. Marie, Ont.	4	1,600

Table 9 - Description of Furnaces at end of April, 1934.

Condition of furnace	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	2	1,000	24
Banked .....	..	..	..
Blown out	9	3,225	76
Total Furnaces Reporting	11	4,225	100

Note - Figures in this report are the latest available at time of printing. Where necessary, data for earlier months have been revised.

