

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.

MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

APRIL, 1939

PIG IRON - Production of pig iron in Canada at 46,254 long tons in April was 14 per cent over the 40,723 tons of March but 30 per cent under the 65,644 tons made in April, 1938. This month's total was made up of 44,280 tons of basic iron and 1,974 tons of foundry iron.

Furnace charges for the month included 81,420 long tons of imported iron ore, 24,666 short tons of limestone and 48,733 short tons of coke. During the first four months of this year a total of 316,840 tons of iron ore, 97,932 tons of limestone and 184,572 tons of coke were charged to iron blast furnaces in Canada to produce 185,970 tons of pig iron.

FERRO-ALLOYS - Output of ferro-alloys in Canada amounted to 4,284 tons in April against 3,526 tons in March and 8,686 tons in April of a year ago. This month's total was made up of spiegeleisen, ferromanganese and ferrosilicon.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct castings in Canada totalled 99,752 tons in April as against 95,697 tons in the previous month and 116,445 tons in April of last year. Output for the current month included 95,383 tons of ingots and 4,369 tons of castings.

For the four months ending April the cumulative production amounted to 350,826 tons as compared with 446,481 tons in the first four months of 1938.

PRICES - Canadian iron and steel markets operated on a steady but quiet basis during April. At first transactions were estimated at about 25 per cent below early first quarter levels, but business improved as the month progressed. The increased operations on the part of some plants were credited chiefly to the placing of orders from the United Kingdom, although the filling of orders for railway cars on domestic account also had a stimulating effect. Good demand was report for builders' hardware, reinforcing bars, steel sheets, and auto requirements. The Dominion Bureau of Statistics index number of wholesale prices of "Iron and Its Products" on the base 1926 = 100 rose from 97.4 in March to 97.5 in April, due principally to a rise in the price of $\frac{1}{2}$ " firewelded bright coil chain. Foundry pig iron prices were unchanged, No. 1 delivered at Toronto being quoted at \$23.00 per gross ton.

UNITED STATES - Output of pig iron dropped to 67,775 tons a day in April from 77,246 tons in March, a decline of 12.3 per cent. During the month one furnace was blown in, six were blown out and sixteen were banked.

(a) PIG IRON and FERRO-ALLOYS

Table 1 - PRODUCTION during APRIL and MARCH, 1939 (Tons of 2,240 pounds)

	APRIL			MARCH		
	For own use	For Sale	TOTAL	For own use	For Sale	TOTAL
PIG IRON -						
Basic	44,280	-	44,280	40,723	...	40,723
Foundry	-	1,974	1,974
Malleable	-	-	-
TOTAL	44,280	1,974	46,254	40,723	...	40,723
Ferro-alloys	-	4,284	4,284	...	3,526	3,526

Table 2 - CUMULATIVE PRODUCTION FOR THE FOUR MONTHS ending APRIL, 1939 and 1938 (Tons of 2,240 pounds)

	1 9 3 9			1 9 3 8		
	For own use	For Sale	TOTAL	For own use	For Sale	TOTAL
PIG IRON -						
Basic	165,767	4,673	170,440	225,560	1,558	227,118
Foundry	-	12,149	12,149	-	21,918	21,918
Malleable	-	3,381	3,381	582	18,563	19,145
TOTAL	165,767	20,203	185,970	226,142	42,039	268,181
Ferro-alloys	-	15,964	15,964	-	22,650	22,650

Table 3 - IRON BLAST FURNACE CHARGES DURING APRIL, MARCH, and FOUR MONTHS ENDING APRIL, 1939

		APRIL	MARCH	FOUR MONTHS ending APRIL
Imported iron ore	Long ton	81,420	71,030	316,840
Limestone	Short ton	24,666	20,091	97,932
Coke	Short ton	48,733	39,670	184,572

(b) STEEL INGOTS AND CASTINGS

Table 4 - PRODUCTION FOR APRIL and MARCH, 1939 (Tons of 2,240 pounds)

	APRIL			MARCH		
	For own use	For Sale	TOTAL	For own use	For Sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic	91,571	162	91,733	88,116	...	88,116
Electric	3,650	-	3,650	3,572	...	3,572
Other	-	-	-
Total Steel Ingots	95,221	162	95,383	91,688	...	91,688
STEEL CASTINGS -						
Open hearth - Basic	152	1,232	1,384	142	1,020	1,162
Bessemer	-	40	40	...	42	42
Electric	676	2,269	2,945	616	2,189	2,805
Total Direct Steel Castings	828	3,541	4,369	758	3,251	4,009
GRAND TOTAL	96,049	3,703	99,752	92,446	3,251	95,697

Table 5 - CUMULATIVE PRODUCTION FOR THE FOUR MONTHS ending APRIL, 1939 and 1938

	1 9 3 9			1 9 3 8		
	For own use	For Sale	TOTAL	For own use	For Sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic	322,700	266	322,966	401,883	247	402,130
Electric	13,013	-	13,013	25,344	-	25,344
Other	-	-	-	-	-	-
Total Steel Ingots	335,713	266	335,979	427,227	247	427,474
STEEL CASTINGS -						
Open hearth - Basic	638	3,412	4,050	730	5,601	6,331
Bessemer	-	156	156	-	258	258
Electric	2,372	8,269	10,641	3,119	9,299	12,418
Total Direct Steel Castings..	3,010	11,837	14,847	3,849	15,158	19,007
GRAND TOTAL	338,723	12,103	350,826	431,076	15,405	446,481

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS and CASTINGS IN CANADA, 1916 - 1938 (In 1000's of long tons)

Year	Monthly Average		Year	Monthly Average	
	Iron	Steel		Iron	Steel
1916	87	106	1928	86	103
1917	87	130	1929	91	115
1918	89	140	1930	62	84
1919	68	77	1931	36	56
1920	81	92	1932	12	29
1921	50	56	1933	19	34
1922	32	40	1934	34	63
1923	73	74	1935	50	78
1924	49	54	1936	56	93
1925	48	63	1937	75	117
1926	63	64	1938	59	96
1927	59	76			

Table 7 - PRODUCTION OF PIG IRON, BY MONTHS and BY PROVINCES, and STEEL INGOTS and CASTINGS, BY MONTHS, 1938 and 1939. (In 1000's of long tons)

	P I G		I R O N				: S T E E L	
Month	NOVA SCOTIA		ONTARIO		TOTAL CANADA		: TOTAL CANADA	
	1938	1939	1938	1939	1938	1939	: 1938	1939
January	29	16	46	42	75	58	113	78
February	24	13	37	28	61	41	99	77
March	28	12	38	29	66	41	119	96
April	28	19	38	27	66	46	116	100
Four Months Total ..	109	60	159	126	268	186	447	351
May	29		43		72		115	
June	19		45		64		109	
July	13		38		51		84	
August	14		36		50		83	
September	13		37		50		74	
October	16		35		51		76	
November	15		31		46		90	
December	15		38		53		79	
TOTAL FOR YEAR	243		462		705		1,156	



1010636268

-4-

Table 8 - IRON BLAST FURNACES IN CANADA

Name of Company	Location of Furnace	Number of Stacks	Total Daily Capacity (Long tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, N. S.	3	1,200
Canadian Furnace Limited	Port Colborne, Ont.	1	350
The Steel Company of Canada, Ltd.	Hamilton, Ont.	2	825
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	4	1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF APRIL, 1939

Condition of Furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	4	1,950	49
Banked	1	350	9
Blown out	5	1,675	42
Total Furnaces Reporting	10	3,975	100

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