

Published by Authority of the HON. W. D. EULER, M. P.,  
Minister of Trade and Commerce

Price -  
10 cents

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, 1938

PIG IRON - Production of pig iron in Canada at 65,644 tons in April compares with 66,228 tons in March and 68,138 tons in April of a year ago. This month's output averaged 2,188 tons a day, an increase of 2.4 per cent over the March daily rate which in turn was 3 per cent under the daily average for February.

Furnace charges during the month included 121,163 long tons of iron ore, 65,683 short tons of coke and 35,207 short tons of limestone. From these charges were produced 60,056 tons of basic iron, 1,374 tons of foundry iron and 4,214 tons of malleable iron.

For the four months ending April the output of pig iron totalled 268,181 tons against 267,519 tons and 225,141 tons made in the corresponding periods of 1937 and 1936, respectively.

FERRO-ALLOYS - April output of ferro-alloys at 8,686 tons compares with 4,031 tons in the previous month and 5,965 tons in the corresponding month of last year. The month's total was made up of the following grades classified according to volume - spiegeleisen, ferro-silicon, silico-manganese, ferro-manganese and ferro-chrome.

STEEL INGOTS AND CASTINGS - Production of steel ingots and castings at 116,445 tons during April compares with 118,676 tons in March and 121,426 tons in April, 1937. This month's output averaged 3,882 tons a day or about 1.4 per cent over the daily rate in the previous month of 2,828 tons.

For the four months ending April production totalled 446,481 tons, the comparative figures for the four month periods of other years being 473,590 tons and 401,902 tons in 1937 and 1936, respectively.

PRICES - A downward revision in tin plate constituted the chief price change in iron products in April. Buying of small spot tonnages predominated but occasionally substantial purchases were made. Sheets and bars were in good demand and additional orders were placed for railway rolling stock. Export demand particularly for shipment to Great Britain helped to sustain prices. The Bureau of Statistics index number of "Iron and Its Products" on the base 1926=100 moved down from 103.4 in March to 102.5 in April. No changes occurred in pig iron, No. 1 foundry delivered at Montreal being quoted at \$27.00 per long ton and at \$26.00 per long ton delivered at Toronto.

UNITED STATES - "Iron Age" - April production of pig iron in the United States reached the lowest level since 1934 when it averaged 45,871 tons a day. This output was 2.1 per cent under the March rate of 46,854 tons a day. During the month there was a net loss of eleven active furnaces.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - Production during April and March, 1938. (Tons of 2,240 pounds)

	APRIL, 1938			MARCH, 1938		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic.....	60,056	...	60,056	57,679	...	57,679
Foundry.....	...	1,374	1,374	...	8,549	8,549
Malleable.....	...	4,214	4,214	...	...	...
TOTAL.....	60,056	5,588	65,644	57,679	8,549	66,228
Ferro-alloys.....	...	8,686	8,686	...	4,031	4,031

Table 2. - Cumulative Production for the FOUR MONTHS ending APRIL, 1938 and 1937.  
(Tons of 2,240 pounds)

	1 9 3 8			1 9 3 7		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic.....	225,560	1,558	227,118	228,881	5,070	233,951
Foundry.....	...	21,918	21,918	...	16,998	16,998
Malleable.....	582	18,563	19,145	153	16,417	16,570
TOTAL.....	226,142	42,039	268,181	229,034	38,485	267,519
Ferro-alloys.....	...	22,650	22,650	...	22,020	22,020

Table 3. - Iron Blast Furnace Charges during APRIL, MARCH and YEAR TO DATE.

	UNIT	APRIL	MARCH	YEAR TO DATE
Imported iron ore.....	Long tons	121,163	120,618	476,748
Coke.....	Short tons	65,683	67,157	268,616
Limestone.....	Short tons	35,207	35,400	139,117

(b) STEEL INGOTS AND CASTINGS

Table 4. - Production for APRIL AND MARCH, 1938. (Tons of 2,240 pounds).

	APRIL, 1938			MARCH, 1938		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic....	105,549	104	105,653	106,283	53	106,336
Electric.....	5,131	...	5,131	7,469	...	7,469
Other.....	...	...	...	...	...	...
TOTAL STEEL INGOTS.....	110,680	104	110,784	113,752	53	113,805
STEEL CASTINGS -						
Open hearth - Basic....	186	1,974	2,160	172	1,412	1,584
Bessemer.....	...	65	65	...	72	72
Electric.....	527	2,909	3,436	502	2,713	3,215
TOTAL DIRECT STEEL CASTINGS.....	713	4,948	5,661	674	4,197	4,871
GRAND TOTAL.....	111,393	5,052	116,445	114,426	4,250	118,676

Table 5. - Cumulative Production for the FOUR MONTHS ending APRIL, 1938 and 1937.

	1 9 3 8			1 9 3 7		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS -</u>						
Open hearth - Basic..	401,883	247	402,130	430,314	160	430,474
Electric.....	25,344	...	25,344	20,479	...	20,479
Other.....	...	...	...	...	...	...
TOTAL STEEL INGOTS...	427,227	247	427,474	450,793	160	450,953
<u>STEEL CASTINGS -</u>						
Open hearth - Basic..	730	5,601	6,331	796	7,864	8,660
Bessemer.....	-	258	258	-	317	317
Electric.....	3,119	9,299	12,418	2,631	11,029	13,660
TOTAL DIRECT STEEL CASTINGS.....	3,849	15,158	19,007	3,427	19,210	22,637
GRAND TOTAL.....	431,076	15,405	446,481	454,220	19,370	473,590

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916-1937. (In 1000's of long tons)

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

Table 7 - Production of Pig Iron, by Months and by Provinces, and Steel Ingots and Castings, by Months, 1937 and 1938. (In 1000's of long tons).

Month	P I G I R O N						: S T E E L	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		: TOTAL CANADA	
	1937	1938	1937	1938	1937	1938	: 1937	1938
January.....	28	29	38	46	66	75	115	112
February.....	25	24	37	37	62	61	112	99
March.....	29	28	42	38	71	66	125	119
April.....	28	28	40	38	68	66	121	116
May.....	27		51		78		121	
June.....	27		51		78		119	
July.....	26		54		80		123	
August.....	26		49		75		127	
September.....	26		50		76		115	
October.....	25		56		81		115	
November.....	27		54		81		111	
December.....	28		53		81		98	
TOTAL FOR YEAR.....	322	109	575	159	897	268	1,402	446
Four Months' Average	28	27	39	40	67	67	118	111



Table 8 - Iron Blast Furnaces in Canada, 1937.

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

Table 9 - Description of Furnaces at end of APRIL, 1938.

Condition of Furnaces	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	6	2,525	64
Banked.....	-	-	-
Blown out.....	4	1,450	36
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.