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

cal File Copy

## 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 - spiegeleison, 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 oig 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 of	the femalestance to replicate communicates controlled	the contract of the contract of	and the second of the control of the	(Tons of	2,240 pou	nds)	
		APRIL, 1938 :			MARCH, 1938		
	For own	For	TOTAL	For own		TOTAL	
	use	sale		use	sale		
PIG IRON -							
Basic	60,056		60.056	57,679	0 540	57,679	
Foundry		1,374	1.374	0 • •	8,549	8,549	
Malleable	60,056	4,214 5,588	4,214 65,644	57,679	8,549	66,228	
Ferro-alloys	00,000	8,686	8,686	019013	4,031	4,031	
	and the second s			THE REAL PROPERTY AND ADDRESS OF THE PARTY AND	11001		
Table 2 Cumulative Pr	oduction for	or the FO	UR MONTHS en	nding APRII	, 1938 a	nd 1937.	
where the manufacture of the company of the control			240 pounds)	enterioristical de colle e relacionalista de la collection de la collection de la collection de la collection	magnitudes and sold reductions of materials and		
	manufacture of the Contract of the Contract	1938			1937		
	For own	For	TOTAL	For own	For	TOTAL	
SERVICE SERVICES SERVICES AND ADMINISTRATION OF THE	use	sale		use	sale		
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		19,145		16,417	16,570	
TOTAL	226,142	42,039	268,181	229,034	38,485	267,519	
Ferro-alloys		22,650	22,650	360	22,020	22,020	
Table 3 Iron Blast F	urnace Cha	rges duri	ng APRIL, M.	ARCH and YE	EAR TO DA	TE.	
	UNIT	AP	RIL M	ARCH	YEAR TO	DATE	
			ands with white the antimode and antimode and	na eligentituri metropi et spellet utvilligitalisetti pellet din penetra pelleti din eligenti.			
Imported iron ore	Long ton	3 121	127 196	0 670	476,	740	
(1-1		La complete dan	,100 12	0,618	4/0,	740	
Coke	Short to			7,157	268,		
Limestone	4.7	ns 65	,683 6			616	
	Short to	ns 65	,683 6	7,157	268,	616	
	Short to	ns 65 ns 35	,683 6° ,207 3°	7,157 5,400	268,	616	
Limestone	Short to Sho	ns 65 ns 35	,683 6 ,207 3	7,157 5,400	268, 139,	616	
	Short to Sho	ns 65 ns 35 EL INGOTS AND MARC	,683 6 ,207 3 AND CASTING H, 1938.	7,157 5,400 GS (Tons of 2,	268, 139,	616	
Limestone	Short too Short too (b) STEN for APRIL	ns 65 ns 35 EL INGOTS AND MARC	,683 6 ,207 3 AND CASTING H, 1938.	7,157 5,400 GS (Tons of 2,	268, 139, 240 poun	616	
Limestone	Short to Sho	ns 65 ns 35 EL INGOTS AND MARC	,683 6 ,207 3 AND CASTING H, 1938.	7,157 5,400 GS (Tons of 2, MAF For own	268, 139, 240 poun RCH, 1938 For	616	
Limestone	Short too Short too (b) STEN for APRIL	ns 65 ns 35 EL INGOTS AND MARC	,683 6 ,207 3 AND CASTING H, 1938.	7,157 5,400 GS (Tons of 2,	268, 139, 240 poun	616 117 ds).	
Table 4 Production	Short to Sho	ns 65 ns 35 EL INGOTS AND MARC	,683 6 ,207 3 AND CASTING H, 1938.	7,157 5,400 GS (Tons of 2, MAF For own	268, 139, 240 poun RCH, 1938 For	616 117 ds).	
Table 4 Production  STEEL INGOTS -	Short to Sho	ns 65 ns 35 EL INGOTS AND MARC APRIL, 19 For sale	,683 6 ,207 3 AND CASTING H, 1938. 38	7,157 5,400  GS (Tons of 2,  MAF For own use	268, 139, 240 poun RCH, 1938 For sale	616 117 ds).	
Table 4 Production  STEEL INGOTS - Open hearth - Basic	Short too Short too (b) STE for APRIL  For own use	ns 65 ns 35 EL INGOTS AND MARC APRIL, 19 For sale	,683 6 ,207 3 AND CASTING H, 1938. TOTAL	7,157 5,400 GS (Tons of 2, MAF For own use	268, 139, 240 poun RCH, 1938 For sale	616 117 ds). TOTAL	
Table 4 Production  STEEL INGOTS - Open hearth Basic Electric	Short to Sho	as 65 as 35 EL INGOTS AND MARC APRIL, 19 For sale	,683 6 ,207 3 AND CASTING H, 1938. 38 TOTAL	7,157 5,400 GS (Tons of 2, MAF For own use	268, 139, 240 poun RCH, 1938 For sale	616 117 ds). TOTAL 106,336 7,469	
Table 4 Production  STEEL INGOTS - Open hearth Basic Electric	Short too Short too (b) STEN for APRIL For own use  105,549 5,131	as 65 as 35 EL INGOTS AND MARC APRIL, 19 For sale	,683 6 ,207 3 AND CASTING H, 1938. 38 TOTAL 105,653 5,131	7,157 5,400  GS (Tons of 2,  MAF For own use  106,283 7,469	268, 139, 240 poun RCH, 1938 For sale	616 117 ds). TOTAL 106,336 7,469	
Table 4 Production  STEEL INGOTS - Open hearth Basic Electric	Short too Short too (b) STEN for APRIL For own use  105,549 5,131	as 65 as 35 EL INGOTS AND MARC APRIL, 19 For sale	,683 6 ,207 3 AND CASTING H, 1938. 38 TOTAL	7,157 5,400  GS (Tons of 2,  MAF For own use  106,283 7,469	268, 139, 240 poun RCH, 1938 For sale	616 117 ds). TOTAL 106,336 7,469	
Table 4 Production  STEEL INGOTS - Open hearth Basic Electric Other TOTAL STEEL INGOTS	Short too Short too (b) STEN for APRIL For own use  105,549 5,131	as 65 as 35 EL INGOTS AND MARC APRIL, 19 For sale	,683 6 ,207 3 AND CASTING H, 1938. 38 TOTAL 105,653 5,131	7,157 5,400  GS (Tons of 2,  MAF For own use  106,283 7,469	268, 139, 240 poun RCH, 1938 For sale	616 117 ds). TOTAL 106,336 7,469	
Table 4 Production  STEEL INGOTS - Open hearth Basic Electric Other  TOTAL STEEL INGOTS  STEEL CASTINGS -	Short to Sho	as 65 as 35 EL INGOTS AND MARC APRIL, 19 For sale	,683 6 ,207 3 AND CASTING H, 1938. 38 TOTAL 105,653 5,131	7,157 5,400  GS (Tons of 2,  MAF For own use  106,283 7,469 113,752	268, 139, 240 poun RCH, 1938 For sale	106,336 7,469	
Table 4 Production  STEEL INGOTS - Open hearth Basic Electric Other TOTAL STEEL INGOTS  STEEL CASTINGS - Open hearth Basic	Short to Sho	as 65 as 35 as 35 and MARC APRIL, 19 For sale 104 1,974	,683 6 ,207 3 AND CASTING H, 1938. 38 TOTAL 105,653 5,131 110,784 2,160	7,157 5,400  GS (Tons of 2,  MAF For own use  106,283 7,469 113,752	268, 139, 240 poun RCH, 1938 For sale	616 117 ds).  TOTAL  106,336 7,469 113,805	
Table 4 Production  STEEL INGOTS - Open hearth Basic Electric Other  TOTAL STEEL INGOTS  STEEL CASTINGS - Open hearth - Basic Bessemer	Short to Sho	as 65 as 35	,683 6 ,207 3 AND CASTING H, 1938. 38 TOTAL 105,653 5,131  110,784 2,160 65	7,157 5,400  GS (Tons of 2,  MAF For own use  106,283 7,469 113,752	268, 139, 240 poun RCH, 1938 For sale 53  53	616 117 ds). TOTAL 106,336 7,469  113,805	
Table 4 Production  STEEL INGOTS - Open hearth Basic Electric Other TOTAL STEEL INGOTS  STEEL CASTINGS - Open hearth Basic	Short to Sho	as 65 as 35 as 35 and MARC APRIL, 19 For sale 104 1,974	,683 6 ,207 3 AND CASTING H, 1938. 38 TOTAL 105,653 5,131 110,784 2,160	7,157 5,400  GS (Tons of 2,  MAF For own use  106,283 7,469 113,752	268, 139, 240 poun RCH, 1938 For sale	616 117 ds).  TOTAL  106,336 7,469 113,805	
Table 4 Production  STEEL INGOTS - Open hearth Basic Electric Other  TOTAL STEEL INGOTS  STEEL CASTINGS - Open hearth Basic Bessemer Electric TOTAL DIRECT STEEL	Short to Sho	as 65 as 35  EL INGOTS  AND MARC  APRIL, 19  For  sale  104   104  2,909	,683 6 ,207 3: AND CASTING H, 1938. 38 TOTAL 105,653 5,131  110,784 2,160 65 3,436	7,157 5,400  GS (Tons of 2,  MAF For own use  106,283 7,469  113,752	268, 139, 240 poun RCH, 1938 For sale 53  53	616 117 ds). TOTAL 106,336 7,469  113,805	
Table 4 Production  STEEL INGOTS - Open hearth Basic Other  TOTAL STEEL INGOTS  STEEL CASTINGS - Open hearth Basic Bessemer Electric TOTAL DIRECT STEEL CASTINGS	Short to Sho	as 65 as 35	,683 6 ,207 3 AND CASTING H, 1938. 38 TOTAL 105,653 5,131  110,784 2,160 65	7,157 5,400  GS (Tons of 2,  MAF For own use  106,283 7,469 113,752	268, 139, 240 poun RCH, 1938 For sale 53  53	616 117 ds). TOTAL 106,336 7,469  113,805	
Table 4 Production  STEEL INGOTS - Open hearth Basic Electric Other  TOTAL STEEL INGOTS  STEEL CASTINGS - Open hearth Basic Bessemer Electric TOTAL DIRECT STEEL	Short to Sho	as 65 as 35  EL INGOTS  AND MARC  APRIL, 19  For  sale  104  1,974 65 2,909	,683 6 ,207 3: AND CASTING H, 1938. 38 TOTAL 105,653 5,131  110,784 2,160 65 3,436	7,157 5,400  GS (Tons of 2,  MAF For own use  106,283 7,469 113,752  172 502 674	268, 139, 240 poun RCH, 1938 For sale 53  53 1,412 72 2,713	106,336 7,469 113,805 1,584 72 3,215	

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
STEEL INGOTS -						
Open hearth - Basic	401,883	247	402,130	430,314	160	430,474
Electric	25,344		25,344	20,479		20,479
Other	222					• • •
TOTAL STEEL INGOTS	427,227	247	427,474	450,793	160	450,953
STEEL CASTINGS -						
Open hearth - Basic	730	5,601	6,331	796	7,864	8,660
Bessemer	90%	258	258	200	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 Iron	Steel Steel	Years	Monthly Iron	Average 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
.921	50	56	1932	12	29
1922	32	40	1933	19	34
923	73	74	1934	34	63
1924	49	54	1935	50	78
1925	48	63	1936	56	93
926	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).

	as office	o DA 11	TOH GHO,	FOR CHILD	TOUG.	TIL TOOK	S OI TOI	5	01107 .		
			P	I G	IR	O N		:	ST	EE	L
Month		NOVA	SCOTIA	ONTA	RIO	TOTAL	CANADA	2 1	TOTAL	CANAD	A
MOHOH		1937	1938	1937	1938	1937	1938	:	1937	193	8
January		28	29	38	46	66	75		115	11	2
February		25	24	37	37	62	61		112	9	9
March		29	28	42	38	71	66		125	11	9
April		28	28	40	38	68	66		121	11	6
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	4	46
Four Months' Ave	rage	28	27	39	40	67	67		118	1	11



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. Canadian Furnace Limited	Sydney, N. S. Pt.Colborne, Ont.	3 1 ***	1,200
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	Total Daily Capacity			
	Furnaces	Long tons	Per cent		
In blast	6	2,525	64		
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.