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DEPARTMENT OF TRADE AND COMMERCE! ALL DOMINION BUREAU OF STATISTICS (S MINING, METALLURGICAL AND CHEMICAL BRANCH OTTAWA/ - CANADA

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

MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

MAY, 1938

PIG IRON - Production of pig iron in Canada at 71,602 tons during May was 9 per cent over the total of 65,644 tons made in the previous month and 8 per cent under the 78.147 tons reported for May of last year. This month's total included 60,265 tons of basic iron, 2,196 tons of foundry iron, and 9,141 tons of malleable iron

Furnace charges during the month included 129,403 long tons of iron ore, 69,326 short tons of coke, and 35,828 short tons of limestone. During the first five months of this year, 606,151 long tons of ore, 337,942 short tons of coke and 174,945 short tons of limestone were charged to iron furnaces in Canada to produce 339,783 tons of pig iron. The corresponding production for the first five months of last year was 345,666 tons.

FERRO-ALLOYS - Ferrosilicon, spiegeleisen, ferromanganese and ferrochrome were produced in Canada to the extent of 6,441 tons during May. This output compares with 8,686 tons made in the previous month and 6,201 tons in May of a year ago,

STEEL INCOTS AND CASTINGS - Production of steel ingots and direct steel castings at 114,859 tons during May was slightly under the 116,445 tons of April and 5 per cent less than the 120,843 tons made in May, 193?

For the five months ending May, 1938, the cumulative output amounted to 561,340 tons against 594,433 tons and 496,504 tons in the corresponding periods of 1937 and 1936, respectively.

PRICES - Prices of steel sheets and scrap were revised downward in May but other iron and steel products remained comparatively firm. Some contract buying appeared which was largely for war materials, but small spot orders predominated. Operations of auto manufacturing plants were below those of last year. Output of plants manufacturing railway rolling stock increased, and mills continued to take limited quantities of scrap. Due chiefly to reductions in the prices of steel sheets and all grades of scrap, the index for wholesale prices of "Iron and Its Products" moved down from 102.5 in April to 101.5 in May. Pig iron was unchanged, No. 1 grade being quoted at \$27.00 per long ton at Montreal and at \$26.00 per long ton at Toronto.

UNITED STATES - Pig iron production in the United States averaged 40,485 tons a day during May, a decline of 11.7 per cent from 45,871 tons a day in April. During the month, nine furnaces were put out or banked and two were put in operation, a net loss of seven active furnaces.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - Production during MAY and APRIL, 1938. (Tons of 2,240 pounds)							
(SEE CONTINUE OF SET SEE SET SEE SET SEE SET SET SET SET	MAY, 1938			APRIL, 1938			
	For own	For		For own	For		
	use	sale	TOTAL	use	sale	TOTAL	
PIG IRON -	F0 200						
Basic		2,067	60,265	60,056	3 774	60,056	
Foundry Malleable	000	*2,196 9,14 1	2,196 9,141	٥٥٥	1,374	1,374	
TOTAL		13,404	71,602	60,056		65,644	
			The second second second second second	Carrier Commission Security of the	5,588		
Ferro-alloys	000	6,441	6,441	203	8,686	8,686	
Table 2 - Cumulative Prod	luction for	the FIVE	MONTHS en	ding MAY, 1	.938 and I	L937.	
Specification for the state of	(Ton:	s of 2,240	pounds)	The season of the Management that the last and the season is a season of the season of	modu auso ammonistico	Anna de la companya del companya de la companya de la companya del companya de la companya del la companya del la companya de	
	1	9 3 8		1	9 3 7		
	For own	For	MOTIAT.	For own	For	MOMAT	
The control of the co	<u>use</u>	sale	TOTAL	use	sale	TOTAL	
PIG IRON -	007 750	7 605	907 707	200 000	F 070	204 050	
Basic		3,625	287,383	289,889	5,070	294,959	
Foundry		24,114 27,704	24,114	240	31,536 18,891	31,576 19,131	
Malleable	Amilia of the committee of the	55,443	339,783	290,169	55,497	345,666	
			and other residence of the same of the same of		the natural residence in the Company of the Company	Management of the second secon	
Ferro-alloys	O IF O	29,091	29,091		28,221	28,221	
Table 3 - Iron Blast Furn	ace Charge	s during h	MAY, APRIL	and YEAR	TO DATE		
	Unit	1.	AY	APRIL	VEAD O	O DATE	
	V10-2 V	11	IHI	WLIGHT	IDAIL.	O DATE	
CONTROL OF LAND AND AND AND AND AND AND AND AND AND				e programme and specifical desiration of the second specific and the second specific			
Imported iron ore	Long to	ns 129	, 403	121,163	606	,151	
Coke	Long to	ns 129	9,403	121,163 65,683	606, 337,	151 942	
	Long to	ns 129	, 403	121,163	606, 337,	,151	
Coke	Long ton Short to	ns 129 ons 69 ons 38	9,403 9,326 5,828	121,163 65,683 35,207	606, 337,	151 942	
Limestone	Long to Short to Short to	ns 129 ons 69 ons 38	0,403 0,326 5,828 AND CASTI	121,163 65,683 35,207	606, 337, 174,	151 942 945	
Coke	Long to Short to Short to (b) STE	ns 129 ons 69 ons 38	0,403 0,326 5,828 AND CASTI	121,163 65,683 35,207 NGS (Tons of 2,	606, 337, 174,	151 942 945	
Limestone	Long to Short to Short to (b) STE	ns 129 ons 69 ons 35 EL INGOTS RIL, 1938	0,403 0,326 5,828 AND CASTI	121,163 65,683 35,207 NGS (Tons of 2, APR For own	606, 337, 174, 240 pound IL, 1938 For	151 942 945	
Limestone	Long to Short to Short to (b) STE	ns 129 ons 69 ons 38 EL INGOTS RIL, 1938	0,403 0,326 5,828 AND CASTI	121,163 65,683 35,207 NGS (Tons of 2,	606, 337, 174, 240 pound IL, 1938 For	151 942 945	
Table 4 - Production for	Long to Short to Short to (b) STE	ns 129 ons 68 ons 38 EL INGOTS RIL, 1938 AY, 1938 For	0,403 0,326 5,828 AND CASTI	121,163 65,683 35,207 NGS (Tons of 2, APR For own	606, 337, 174, 240 pound IL, 1938 For	151 942 945	
Limestone	Long to Short to Short to (b) STE	ns 129 ons 68 ons 38 EL INGOTS RIL, 1938 AY, 1938 For	0,403 0,326 5,828 AND CASTI	121,163 65,683 35,207 NGS (Tons of 2, APR For own	606, 337, 174, 240 pound IL, 1938 For	151 942 945	
Table 4 - Production for STEEL INGOTS -	Long ton Short to Short to Short to (b) STE MAY and API MAY For own use	ons 129 ons 68 ons 38 EL INGOTS RIL, 1938 AY, 1938 For sale	0,403 0,326 5,828 AND CASTI	121,163 65,683 35,207 NGS (Tons of 2, APR For own use	606, 337, 174, 240 pound IL, 1938 For sale	151 942 945 ds)	
Table 4 - Production for STEEL INGOTS - Open hearth - Basic Electric	Long to Short to Short to (b) STE MAY and API MAY and API	ns 129 ons 69 ons 38 EL INGOTS RIL, 1938 AY, 1938 For sale	7,403 9,326 5,828 AND CASTI TOTAL 104,386 4,441	121,163 65,683 35,207 NGS (Tons of 2, APR For own use 105,549 5,131	606, 337, 174, 240 pound TL, 1938 For sale	151 942 945 ds) TOTAL 105,653 5,131	
Table 4 - Production for STEEL INGOTS - Open hearth - Basic Electric	Long to Short to Short to (b) STEMMAY and API MM For own use	ns 129 ons 69 ons 38 EL INGOTS RIL, 1938 AY, 1938 For sale	7,403 9,326 5,828 AND CASTI TOTAL 104,386 4,441	121,163 65,683 35,207 NGS (Tons of 2, APR For own use 105,549 5,131	606, 337, 174, 240 pound IL, 1938 For sale	151 942 945 (s) TOTAL 105,653 5,131	
Table 4 - Production for STEEL INGOTS - Open hearth - Basic Electric Other	Long to Short to Short to (b) STE MAY and API MAY and API	ns 129 ons 69 ons 38 EL INGOTS RIL, 1938 AY, 1938 For sale	7,403 9,326 5,828 AND CASTI TOTAL 104,386 4,441	121,163 65,683 35,207 NGS (Tons of 2, APR For own use 105,549 5,131	606, 337, 174, 240 pound TL, 1938 For sale	151 942 945 ds) TOTAL 105,653 5,131	
Table 4 - Production for STEEL INGOTS - Open hearth - Basic Electric Other TOTAL STEEL INGOTS	Long ton Short to Short to Short to (b) STE MAY and API MAY AND AP	ns 129 ons 68 ons 38 EL INGOTS RIL, 1938 AY, 1938 For sale	7,403 9,326 5,828 AND CASTI TOTAL 104,386 4,441 108,827	121,163 65,683 35,207 NGS (Tons of 2, APR For own use 105,549 5,131	240 pound TL, 1938 For sale	151 942 945 ds) TOTAL 105,653 5,131	
Table 4 - Production for STEEL INGOTS - Open hearth - Basic Electric Other TOTAL STEEL INGOTS STEEL CASTINGS - Open hearth - Basic	Long to Short to Short to (b) STE MAY and API MAY and API	ns 129 ons 69 ons 38 EL INGOTS RIL, 1938 AY, 1938 For sale	7,403 9,326 5,828 AND CASTI TOTAL 104,386 4,441	121,163 65,683 35,207 NGS (Tons of 2, APR For own use 105,549 5,131 110,680	606, 337, 174, 240 pound TL, 1938 For sale	151 942 945 105,653 5,131 110,784	
Table 4 - Production for STEEL INGOTS - Open hearth - Basic Electric Other TOTAL STEEL INGOTS	Long ton Short to Short to Short to (b) STEMMAY and API MM For own use 104,386 4,441 108,827	ns 129 ons 69 ons 38 EL INGOTS RIL, 1938 AY, 1938 For sale	7,403 2,326 5,828 AND CASTI TOTAL 104,386 4,441 108,827	121,163 65,683 35,207 NGS (Tons of 2, APR For own use 105,549 5,131 110,680	606, 337, 174, 240 pound IL, 1938 For sale 104	151 942 945 ds) TOTAL 105,653 5,131 110,784	
Table 4 - Production for STEEL INGOTS - Open hearth - Basic Electric Other TOTAL STEEL INGOTS STEEL CASTINGS - Open hearth - Basic Bessemer	Long ton Short to Sho	ns 129 ons 69 ons 38 EL INGOTS RIL, 1938 AY, 1938 For sale	7,403 9,326 5,828 AND CASTI TOTAL 104,386 4,441 108,827 2,438 36 3,558	121,163 65,683 35,207 NGS (Tons of 2, APR For own use 105,549 5,131 110,680	606, 337, 174, 240 pound IL, 1938 For sale 104 104 1,974 65 2,909	151 942 945 105,653 5,131 110,784 2,160 65 3,436	
Table 4 - Production for STEEL INGOTS - Open hearth - Basic Electric Other TOTAL STEEL INGOTS STEEL CASTINGS - Open hearth - Basic Bessemer Electric	Long to Short to Short to (b) STE MAY and API MAY	ns 129 ons 69 ons 38 EL INGOTS RIL, 1938 AY, 1938 For sale	7,403 2,326 5,828 AND CASTI TOTAL 104,386 4,441 108,827	121,163 65,683 35,207 NGS (Tons of 2, APR For own use 105,549 5,131 110,680	606, 337, 174, 240 pound IL, 1938 For sale 104 104	151 942 945 1s) TOTAL 105,653 5,131 110,784 2,160 65	
Table 4 - Production for STEEL INGOTS - Open hearth - Basic Electric Other TOTAL STEEL INGOTS STEEL CASTINGS - Open hearth - Basic Bessemer Flectric TOTAL DIRECT STEEL	Long ton Short to Sho	ns 129 ons 69 ons 38 EL INGOTS RIL, 1938 AY, 1938 For sale	7,403 9,326 5,828 AND CASTI TOTAL 104,386 4,441 108,827 2,438 36 3,558	121,163 65,683 35,207 NGS (Tons of 2, APR For own use 105,549 5,131 110,680	606, 337, 174, 240 pound IL, 1938 For sale 104 104 1,974 65 2,909	151 942 945 105,653 5,131 110,784 2,160 65 3,436	

Table 5 - Cumulative Production for the FIVE MONTHS ending MAY, 1938 and 1937.

		1 9 3	3		1 9 3	7
	For own	For		For own	For	
	use	sale	TOTAL	use	sale	TOTAL
STEEL INCOTS -						
Open hearth - Basic	506,269	247	506,516	540,157	160	540,317
Electric	29,785	200	29,785	25,164	000	25,164
Other	000	000	333	300	000	000
TOTAL STEEL INGOTS	536,054	247	536,301	565, 321	160	565,481
STEEL CASTINGS -						
Open hearth - Basic	882	7,887	8,769	959	10,478	11,437
Bessemer	3 3 0	294	294	> 0 0	387	387
Electric	3,672	12,304	15,976	2,944	14,184	17,128
TOTAL DIRECT STEEL						
CASTINGS	4,554	20,485	25,039	3,903	25,049	28,952
GRAND TOTAL	540,608	20,732	561,340	569,224	25,209	594,433

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada,

	1	916 - 1937.	(In 1000's of long ton	3)	
Years	Monthly Iron	Average 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
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)

		PI	G	IR	ON	0	STE	EL
Month	NOVA	SCOTIA	ONT	ARIO	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	29	51	43	78	72	121	115
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	138	575	202	897	340	1,402	561
FIVE MONTHS? AVERAGE	27	28	42	40	69	68	119	112



Table 8 - Iron Blast Furnaces in Canada, 1937.

Names 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	Port Colborne, Ont	. 1	350
The Steel Company of Canada, Limited	Hamilton, Ont.	2	825
The Alloma Steel Corporation	Sault Ste. Marie,	Ont. 4	1,600

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

Condition of	Number of	Total Daily Capacity			
Furnaces	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.