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

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

Historical File Copy	MONTHL	Y REPORT	A	UGP3	1938
· • • · · · · · · · · · · · · · · · · ·	PRODUCTION OF IR	ON AND STEEL IN CA	NADA PROP	P.K.Y I	FTHE

JULY, 1938

<u>PIG IRON</u> - July production of pig iron in Canada at 51,238 tons was the lowest for any month of the year to date. In June the output amounted to 64,375 tons and in July of a year ago to 79,736 tons.

During the current month, 89,744 long tons of iron ore, 49,756 short tons of coke and 23,399 short tons of limestone were charged to iron blast furnaces in Canada, making total charges for the first seven months of this year of 805,616 tons of ore, 450,537 tons of coke and 228,780 tons of limestone. From these materials a total of 455,396 tons of pig iron was produced. In the first seven months of last year output totalled 503,680 tons.

<u>FERRO-ALLOYS</u> -. Output of ferro-alloys amounted to 4,129 tons during July compared with 4,068 tons in the previous month and 6,285 tons in July, 1937. Ferrosilicon made up the bulk of this month's tonnage, the balance being spiegeleisen.

STEEL INGOTS AND CASTINGS - The July production of steel ingots and direct steel castings amounting to 83,927 tons was 23 per cent less than the total of 109,401 tons made in the previous month and 32 per cent under the 122,968 tons reported for July, 1937. The decline from June was altogether in the ingot grade which fell off to 78,748 tons from 103,666 tons.

During the first seven months of this year, 754,668 tons of steel were produced against 836,145 tons made during the corresponding period of last year.

PRICES - Subsequent to marked reductions and base changes in the United States, Canadian prices of iron and steel products were also revised downward. The greatest losses occurred in pig iron which dropped \$3.00 and steel billets which fell \$4.00 per ton between June and July. Demand for iron and steel products showed little change from the previous month. Orders were mostly for small spot tonnages although some good contracts were said to be pending. The Dominion Bureau of Statistics index for Iron and Its Products on the base 1926 = 100 receded from 101.4 in June to 97.8 in July, losses for pig iron, steel billets and rolling mill products outweighing gains for scrap iron and steel. No. 1 foundry pig iron, f.o.b. sellers' works, declined from \$25.50 in June to \$22.50 per long ton in July.

UNITED STATES - According to the "Iron Age" the production of pig iron in the United States during July averaged 38,767 tons a day, a gain of 9.5 per cent over the 35,400 tons of June. During the month one furnace was blown out and eight were put in blast, a net gain of seven active furnaces.

(a) PIG IRON and FERRO-ALLOYS.

Table 1 - PRODUCTION DURING J	ULY and JU	NE, 1938	. (To	ns of 2,2	240 pounds	5]
	UNE, 193	58				
	For own	For		For own	For	MARIT
	use	sale	TOTAL	USe	sale	TOTAL
PIG IRON -	45 050		45 050	17 107	703	17 001
Basic		• • • •	45,658	47,483	321	47,804
Foundry		149	149		9,624	9,624
TOTAL		5,431	5,431	17 AOZ	6,947	6,947
		5,580	51,238	47,483	16,892	64,375
Ferro-alloys		4,129	4,129	000	4,068	4,068
Table 2 - CUMULATIVE PRODUCTI				ING JULY,	1938 and	1937.
		2,240 p	And and the other designment of the other designment o			
	1	9 3	8	1		7
	For own	For	TY TY AT	For own	For	TATION
DTA TDON	use	sale	TOTAL	use	sale	TOTAL
PIG IRON -	276 000	7 040	300 04E	309 110	01 1 70	117 950
Basic		3,9 46 33,8 87	380,845 33,887		21,138	413,256 58,092
Foundry		40,082		1,642	30,690	P
TOTAL	Contraction of the local division of the loc	77,915	455,396	393,800	109,880	503,680
Ferro-alloys	Construction of the American states on	37,288	37,288	000,000	37,903	37,903
				ng men-dagang dan samatik basik 1995, P. Vela – anta	antipa <u>nana mang</u> alan ginagan menagan (m-	
Table 3 - Iron Blast Furnace	Charges du	iring JUL	Y, JUNE,	and YEAR	TO DATE	and the second second second second second
J	Init	JULY	TITL	177	YEAR TO I	A FTTD
	· · · · · · · · · · · · · · · · · · ·	GOTT	JUN		IGAN TO L	ALE
				alaaliidhaagtaraagan digaa ay oo ta' ahaa iy ah	andra a a gran a di antara anna a an dan phaga an 1944 an an	n dan selama ngangga matika (k. 1997). B
Imported iron ore lo	ong ton	89,744	109,	721	805,61	.6
Imported iron ore lo Coke sho	ong tan ort ton	89,744 49,756	109, 62,	721 849	805,61 450,53	-6 37
Imported iron ore lo Coke sho Limestone sho	ong tan ort ton ort ton	89,744 49,756 23,399	109, 62, 30,	721	805,61	-6 37
Imported iron ore lo Cokesho Limestonesho (b)	ong tan ort ton ort ton <u>STEEL INGC</u>	89,744 49,756 23,399 MTS and C	109, 62, 30, <u>ASTINGS</u>	721 849 436	805,61 450,53 228,78	-6 57 30
Imported iron ore lo Coke sho Limestone sho	ong ton ort ton ort ton <u>STEEL INGC</u> and JUNE,	89,744 49,756 23,399 DTS and C 1938.	109, 62, 30, <u>ASTINGS</u> (Tor	721 849 436 15 of 2,24	805,61 450,53 228,78	-6 57 30
Imported iron ore lo Cokesho Limestonesho (b)	ong ton ort ton STEEL INGC (and JUNE, J	89,744 49,756 23,399 OTS and C 1938. ULY, 19	109, 62, 30, <u>ASTINGS</u> (Tor	721 849 436 15 of 2,24	805,61 450,53 228,78 0 pounds) JUNE, 19	-6 57 30
Imported iron ore lo Cokesho Limestonesho (b)	ong tan ort ton STEEL INGC and JUNE, For own	89,744 49,756 23,399 DTS and C 1938. ULY, 19 For	109, 62, 30, <u>ASTINGS (Tom</u> 38	721 849 436 as of 2,24 For own	805,61 450,53 228,78 0 pounds) JUNE, 19 For	6 57 80 9 <u>38</u>
Imported iron ore lo Cokesho Limestonesho (b) Table 4 - PRODUCTION FOR JULN	ong ton ort ton STEEL INGC (and JUNE, J	89,744 49,756 23,399 OTS and C 1938. ULY, 19	109, 62, 30, <u>ASTINGS</u> (Tor	721 849 436 15 of 2,24	805,61 450,53 228,78 0 pounds) JUNE, 19	-6 57 30
Imported iron ore lo Cokesho Limestonesho (b) Table 4 - PRODUCTION FOR JULN STEEL INGOTS -	ong tan ort ton STEEL INGC and JUNE, J For own use	89,744 49,756 23,399 OTS and C 1938. ULY, 19 For sale	109, 62, 30, <u>ASTINGS</u> (Tom 38 TOTAL	721 849 436 Is of 2,24 For own use	805,61 450,53 228,78 0 pounds) JUNE, 19 For sale	6 57 30 338 <u>TOTAL</u>
Imported iron ore lo Coke	ong ton ort ton STEEL INGC and JUNE, J For own use	89,744 49,756 23,399 MTS and C 1938. ULY, 19 For sale	109, 62, 30, <u>ASTINGS (Tom</u> 38 <u>TOTAL</u> 75,151	721 849 436 ns of 2,24 For own use 99,554	805,61 450,53 228,78 0 pounds) JUNE, 19 For sale	6 57 30 <u>338</u> TOTAL 99,554
Imported iron ore lo Coke	ong tan ort ton <u>STEEL INGC</u> <u>and JUNE</u> , <u>J</u> For own <u>use</u> . 75,151 3,597	89,744 49,756 23,399 OTS and C 1938. ULY, 19 For sale	109, 62, 30, <u>ASTINGS (Tom</u> 38 <u>TOTAL</u> 75,151 3,597	721 849 436 Is of 2,24 For own use 99,554 4,112	805,61 450,53 228,78 0 pounds) JUNE, 19 For sale	.6 37 30 38 <u>TOTAL</u> 99,554 4,112
Imported iron ore lo Coke	ong tan ort ton <u>STEEL INGO</u> <u>and JUNE</u> , <u>J</u> For own <u>use</u> . 75,151 3,597	89,744 49,756 23,399 OTS and C 1938. ULY, 19 For sale	109, 62, 30, ASTINGS (Tom 38 TOTAL 75,151 3,597	721 849 436 is of 2,24 For own use 99,554 4,112	805,61 450,53 228,78 0 pounds) JUNE, 19 For sale	.6 37 30 38 <u>TOTAL</u> 99,554 4,112
Imported iron ore lo Coke	ong tan ort ton <u>STEEL INGO</u> <u>and JUNE</u> , <u>J</u> For own <u>use</u> . 75,151 3,597	89,744 49,756 23,399 OTS and C 1938. ULY, 19 For sale	109, 62, 30, ASTINGS (Tom 38 TOTAL 75,151 3,597	721 849 436 Is of 2,24 For own use 99,554 4,112	805,61 450,53 228,78 0 pounds) JUNE, 19 For sale	.6 37 30 38 <u>TOTAL</u> 99,554 4,112
Imported iron ore lo Coke	ong tan ort ton <u>STEEL INGO</u> <u>and JUNE</u> , <u>J</u> For own <u>use</u> . 75,151 3,597	89,744 49,756 23,399 OTS and C 1938. ULY, 19 For sale	109, 62, 30, ASTINGS (Tom 38 TOTAL 75,151 3,597	721 849 436 is of 2,24 For own use 99,554 4,112	805,61 450,53 228,78 0 pounds) JUNE, 19 For sale	.6 37 30 38 <u>TOTAL</u> 99,554 4,112
Imported iron ore lo Coke	ong tan ort ton STEEL INGC and JUNE, J For own use . 75,151 3,597 78,748	89,744 49,756 23,399 OTS and C 1938. ULY, 19 For sale	109, 62, 30, ASTINGS (Tom 38 TOTAL 75,151 3,597 78,748	721 849 436 ns of 2,24 For own use 99,554 4,112	805,61 450,53 228,78 0 pounds) JUNE, 19 For sale	6 37 30 38 TOTAL 99,554 4,112 103,666
Imported iron ore lo Coke	ong tan ort ton STEEL INGC and JUNE, J For own use . 75,151 3,597 	89,744 49,756 23,399 OTS and C 1938. ULY, 19 For sale	109, 62, 30, ASTINGS (Tom 38 TOTAL 75,151 3,597	721 849 436 is of 2,24 For own use 99,554 4,112	805,61 450,53 228,78 0 pounds) JUNE, 19 For sale	.6 37 30 38 <u>TOTAL</u> 99,554 4,112
Imported iron ore lo Coke	ong tan ort ton STEEL INGO and JUNE, J For own use . 75,151 3,597 	89,744 49,756 23,399 OTS and C 1938. ULY, 19 For sale 1,538	109, 62, 30, ASTINGS (Tom 38 TOTAL 75,151 3,597 78,748 1,645	721 849 436 15 of 2,24 For own use 99,554 4,112 103,666	805,61 450,53 228,78 0 pounds) JUNE, 19 For sale 	6 37 30 38 TOTAL 99,554 4,112 000 103,666 2,122
Imported iron ore ic Coke	ong tan ort ton STEEL INGO and JUNE, J For own use . 75,151 3,597 	89,744 49,756 23,399 MTS and C 1938. ULY, 19 For sale 1,538 61	109, 62, 30, ASTINGS (Tom 38 TOTAL 75,151 3,597 ~~~ 78,748 1,645 61	721 849 436 15 of 2,24 For own use 99,554 4,112 	805,61 450,53 228,78 0 pounds) JUNE, 19 For sale 1,947 33	.6 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
Imported iron ore lo Coke	ong ton ort ton STEEL INGO and JUNE, J For own use 75,151 3,597 78,748 107 424	89,744 49,756 23,399 MTS and C 1938. ULY, 19 For sale 1,538 61	109, 62, 30, ASTINGS (Tom 38 TOTAL 75,151 3,597 ~~~ 78,748 1,645 61	721 849 436 15 of 2,24 For own use 99,554 4,112 	805,61 450,53 228,78 0 pounds) JUNE, 19 For sale 1,947 33	6 37 30 338 TOTAL 99,554 4,112 ° ° ° ° 103,666 2,122 33 3,580
Imported iron ore lo Coke	ong tan ort ton STEEL INGC and JUNE, J For own use . 75,151 3,597 . 78,748 107 424 531	89,744 49,756 23,399 OTS and C 1938. ULY, 19 For sale 1,538 61 3,049	109, 62, 30, ASTINGS (Tom 38 TOTAL 75,151 3,597 78,748 1,645 61 3,473	721 849 436 15 of 2,24 For own use 99,554 4,112 	805,61 450,53 228,78 0 pounds) JUNE, 19 For sale 1,947 33 3,335	6 37 30 338 TOTAL 99,554 4,112 ° ° ° ° 103,666 2,122 33 3,580

Table 5 -	CUMULATIVE	PRODUCTION	FOR TH	E SEVEN	MONTHS	ending	JULY.	1938	and 19	37.

-3-

TROLE 0 - COMOMNETED TRODUCES	1	9 3	8	1	9 3 7	7
	For own	For		For own	For	nga nga ga ga sa
	use	sale	TOTAL	use	sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic	680,974	247	681,221	759,935	160	760,095
Electric	37,494	999	37,494	34,345		34,345
Other	000	000	600	000	000	
TOTAL STEEL INGOTS	718,468	247	718,715	794,280	160	794,440
STEEL CASTINGS -						
Open hearth - Basic	1,164	11,372	12,536	1,344	15,238	16,582
Bessemer		388	388	000	579	579
Electric	4,341	18,688	23,029	3,847	20,697	24,544
TOTAL DIRECT STEEL						
CASTINGS	5,505	30,448	35,953	5,191	36,514	41,705
GRAND TOTAL	723,973	30,695	754,668	799,471	36,674	836,145

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS and CASTINGS IN CANADA, 1916 - 1937. (In 1000's of long tons)

	and the subscription of th	916 - 1937.	(in 1000's of long to	space, or distance in the second second	4
Year	Monthly	Average	Year	Monthly	
	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)

UNDITINGD' D'A I	ION THING	TANI MIN	70000	1 di 1 de	000 0 01	TOUR O	71101	
		PIG		IR	ON		: STE	EL
Month	NOVA	SCOTIA	ONTA	RIO	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	19	51	45	78	64	119	109
July	26	13	54	38	80	51	123	84
TOTAL FOR SEVEN MONTHS.	190	170	313	285	503	455	836	754
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		575		897		1,402	
SEVEN MONTHS! AVERAGE .	27	24	45	41	72	65	119	108



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 Algoma Steel Corporation	Sault Ste. Marie, On	t4	1,600

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Table 9 - DESCRIPTION OF FURNACES AT END OF JULY, 1938.

Condition of furnaces	Number of furnaces	Total Daily Capacity Long tons Per cent	
In blast	4	1,825 46	
Blown out	6	2,150 54	
Total Furnaces Reporting	10	3,975 1 00	

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