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

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

May - 1941

PIG IRON - Production of pig iron in Canada during May totalled 113,624 gross tons compared with 103,326 tons made in the previous month and 93,254 tons in May of a year ago. This month's total included 96,784 tons of basic iron, 9,177 tons of foundry iron and 7,663 tons of malleable iron.

Blast furnace charges for the month included 198,409 tons of iron ore, 52,986 short tons of limestone and 111,904 short tons of coke. During the first five months of this year 909,449 tons of ore, 241,793 short tons of limestone and 510,502 tons of coke were charged to iron blast furnaces in Canada to make 513,238 tons of pit iron.

FERRO ALLOYS - Output of ferro alloys amounted to 15,117 tons in May compared with last month's total of 16,161 tons and with 10,272 tons in May 1940. This month's total was composed of seven main grades listed according to the quantity made as follows: ferrosilicon, ferrochrome, silicomanganese, ferromanganese, calcium silicon, ferrophosphorus and calcium manganese silicon.

STEEL INGOTS AND CASTINGS - Production of 206,110 tons of steel ingots and direct steel castings during May compares with 200,680 tons in April and 174,417 tons in May 1940. This month's output included 197,114 tons of steel ingots and 8,996 tons of direct castings.

Cumulative steel output for the five months ending May totalled 961,272 tons against corresponding totals in other years of 792,033 tons in 1940 and 472,239 tons in 1939.

PRICES - The May index of wholesale prices of iron and its products at 111.4 was the highest since May, 1924, and  $3\frac{1}{2}$  per cent above April. The influence of a 50 cent drop in the price of No. 1 scrap iron was more than balanced by a \$2.00 per ton rise in the price of steel billets and the application of the sales tax upon structural steel and other metal building materials. Indexes of the prices of pig iron and steel billets rose from 100.4 to 101.7 between April and May, pipe from 118.2 to 120.4, hardware from 91.0 to 91.6, while scrap metal declined from 114.9 to 114.4. May business in iron and steel products was dominated by needs for war industry purposes and plant expansion requirements. Bookings for the Canadian output of steel plate were regarded as sufficient to keep the mills operating at capacity. No. 1 foundry pig iron delivered at Montreal remained unchanged at \$27.00 per ton.

UNITED STATES - According to the 'Iron Age' the operating rate of iron blast furnaces in the United States was 93.8 per cent of capacity in May compared with 91.8 per cent in April. On a daily basis the May output of coke pig iron advanced to 148,386 short tons from 144,476 short tons, or a gain of 2.7 per cent over April.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING MAY AND APRIL, 1941 (Tons of 2,240 pounds)

	May, 1941			April, 1941		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON</u>						
Basic .....	96,636	148	96,784	83,557	476	84,033
Foundry .....	...	9,177	9,177	...	11,277	11,277
Malleable .....	...	7,663	7,663	289	7,727	8,016
TOTAL .....	96,636	16,988	113,624	83,846	19,480	103,326
Ferro-alloys .....	...	15,117	15,117	...	16,161	16,161

Table 2 - CUMULATIVE PRODUCTION FOR THE FIVE MONTHS ENDING MAY, 1941 and 1940

	1 9 4 1			1 9 4 0		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Tons of 2,240 pounds)						
<u>PIG IRON</u>						
Basic .....	424,613	4,752	429,365	371,625	12,564	384,189
Foundry .....	...	42,867	42,867	99	40,771	40,870
Malleable .....	647	40,359	41,006	52	35,860	35,912
TOTAL .....	425,260	87,978	513,238	371,776	89,195	460,971
Ferro-alloys .....	...	73,181	73,181	...	48,116	48,116

Table 3 - IRON BLAST FURNACE CHARGES DURING MAY AND APRIL AND FIVE MONTHS ENDING MAY, 1941

		MAY 1941	APRIL 1941	FIVE MONTHS ending May, 1941
unit				
Iron Ore .....	Long ton	198,409	182,111	909,449
Limestone .....	Short ton	52,986	46,945	241,793
Coke .....	Short ton	111,904	102,665	510,502

STEEL INGOTS AND CASTINGS

Table 4 - PRODUCTION DURING MAY AND APRIL, 1941 (Tons of 2,240 pounds)

	MAY, 1941			APRIL, 1941		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS -</u>						
Open hearth - Basic .....	167,129	17,938	185,067	169,634	9,574	179,208
Electric .....	11,561	486	12,047	10,971	...	10,971
Total Steel Ingots .....	178,690	18,424	197,114	180,605	9,574	190,179



Table 4 - PRODUCTION DURING MAY AND APRIL, 1941 (Con.) (Tons of 2,240 pounds)

	MAY, 1941			APRIL, 1941		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<b>STEEL CASTINGS -</b>						
Open hearth - Basic .....	,222	2,287	2,509	255	2,056	2,311
Converter .....	...	158	158	...	148	148
Electric .....	1,931	4,398	6,329	1,679	6,363	8,042
Total Steel Castings..	2,153	6,843	8,996	1,934	8,567	10,501
GRAND TOTAL .....	180,843	25,267	206,110	182,539	18,141	200,680

Table 5 - CUMULATIVE PRODUCTION FOR THE FIVE MONTHS ENDING MAY, 1941 and 1940

	1 9 4 1			1 9 4 0		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Tons of 2,240 pounds)						
<b>STEEL INGOTS -</b>						
Open hearth - Basic .....	824,002	45,416	869,418	702,887	9,687	712,574
Electric .....	52,371	1,018	53,389	47,394	...	47,394
Total Steel Ingots .....	876,373	46,434	922,807	750,281	9,687	759,968
<b>STEEL CASTINGS -</b>						
Open hearth - Basic .....	1,090	8,567	9,657	1,297	9,217	10,514
Converter .....	...	837	837	...	561	561
Electric .....	8,502	19,469	27,971	4,839	16,151	20,990
Total Direct Steel Castings	9,592	28,873	38,465	6,136	25,929	32,065
GRAND TOTAL .....	885,965	75,307	961,272	756,417	35,616	792,033

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS IN CANADA, 1916 - 1939 (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 .....	90	115
1918 .....	89	139	1930 .....	62	84
1919 .....	68	77	1931 .....	35	56
1920 .....	81	92	1932 .....	12	28
1921 .....	50	56	1933 .....	19	34
1922 .....	32	40	1934 .....	34	63
1923 .....	73	73	1935 .....	50	78
1924 .....	49	55	1936 .....	57	93
1925 .....	48	63	1937 .....	75	117
1926 .....	63	65	1938 .....	59	96
1927 .....	59	76	1939 .....	63	115



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Table 7 - PRODUCTION OF PIG IRON, BY MONTHS AND BY PROVINCES, and STEEL INGOTS AND CASTINGS, BY MONTHS, 1940 and 1941 (In 1000's of long tons)

	P I G		I R O N		: S T E E L	
	NOVA SCOTIA		ONTARIO		: TOTAL CANADA	
	1940	1941	1940	1941	1940	1941
January .....	34	36	71	67	105	103
February .....	23	29	64	62	87	91
March .....	34	33	58	69	92	102
April .....	31	34	53	69	84	103
May .....	37	34	56	80	93	114
Total - 5 months	159	166	302	347	461	513
June .....	33		56		89	
July .....	34		62		96	
August .....	34		55		89	
September .....	32		73		105	
October .....	35		74		109	
November .....	33		77		110	
December .....	35		75		110	
TOTAL .....	395		774		1,169	2,011

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, Ontario	1	350
The Steel Company of Canada, Ltd.	Hamilton, Ont.	2	975
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	4	1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF MAY, 1941

Condition of Furnaces	Number of furnaces	Total Daily Capacity Long tons	Per cent
In blast .....	9	3,825	92.8
Banked .....			
Blown out .....	1 (x)	300	7.2
Total Furnaces Reporting	10	4,125	100.0

(x) This furnace has not operated for some years.

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

Unless otherwise specified a ton equals 2,240 pounds.