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

24-11-39
Price -
10 cents

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

OCTOBER, 1939.

PIG IRON - Output of pig iron in Canada at 85,758 tons in October reached the highest monthly level since January 1930 when the total was 87,079 tons. This month's tonnage compares with 65,954 tons made in the previous month and 50,657 tons in October 1938, and included 62,718 tons of basic iron, 21,329 tons of foundry iron and 1,711 tons of malleable iron.

During the first ten months of this year a total of 995,493 long tons of iron ore, 285,555 short tons of limestone and 589,524 short tons of coke were charged to iron blast furnaces in Canada to make 573,740 tons of pig iron. For the corresponding period of last year a total output of 605,502 tons was reported. On October 6th a blast furnace with a capacity of 550 tons a day was blown in at Sault Ste. Marie, Ont., making a total of 7 furnaces active on October 31. These furnaces represent 76 per cent of the total blast furnace capacity in Canada.

FERRO-ALLOYS - Production of ferro-alloys amounted to 6,357 tons in October against 10,406 tons in September and 2,194 tons in October, 1938. This month's output included five different grades listed according to tonnage as follows: spiegeleisen, ferrosilicon, ferromanganese, high carbon ferrochrome and silico manganese.

STEEL INGOTS AND CASTINGS - Output of steel ingots and direct castings at 149,890 tons in October compares with 124,384 tons in the next preceding month and 76,256 tons in October of a year ago.

Cumulative production for the ten months ending October totalled 1,087,583 tons including 1,047,546 tons of ingots and 40,037 tons of castings. During the first ten months of last year the total was 987,261 tons.

IRON AND STEEL - An index of wholesale prices of iron and steel products rose from 99.3 in September to 100.6 in October. Malleable pig iron moved up another \$3.00 per gross ton and higher prices obtained also for galvanized and corrugated iron sheets and certain items of hardware. Business was transacted in good volume, which included orders for \$25,000,000 in railway rolling stock. There was also active demand from the building trades. To meet the growing demand for steel sheets, production schedules were increased considerably during October.

(a) PIG IRON AND FERRO-ALLOYS

Table I - Production during October and September, 1939. (Tons of 2,240 pounds)

	O C T O B E R			S E P T E M B E R		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON</u>						
Basic	62,255	463	62,718	51,850	3,409	55,259
Foundry	-	21,329	21,329	-	7,326	7,326
Malleable	-	1,711	1,711	-	3,369	3,369
TOTAL	62,255	23,503	85,758	51,850	14,104	65,954
Ferro-alloys	-	6,357	6,357	-	10,406	10,406

Table 2 - Cumulative Production for the TEN MONTHS ending OCTOBER, 1939 and 1938 (tons of 2,240 pounds)

	1 9 3 9			1 9 3 8		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON</u>						
Basic	485,001	18,155	503,156	473,757	14,319	488,076
Foundry	-	54,110	54,110	-	64,185	64,185
Malleable	-	16,474	16,474	582	52,659	53,241
TOTAL	485,001	88,739	573,740	474,339	131,163	605,502
Ferro-alloys	-	57,455	57,455	-	44,513	44,513

Table 3 - Iron Blast Furnace Charges during OCTOBER, SEPTEMBER, and TEN MONTHS ending OCTOBER, 1939.

	Unit	OCTOBER	SEPTEMBER	TEN MONTHS
Iron ore	Long ton	151,104	120,267	995,493
Limestone	Short ton	41,014	30,948	285,555
Coke	Short ton	88,173	68,414	589,524

(b) STEEL INGOTS AND CASTINGS

Table 4 - PRODUCTION FOR AUGUST AND SEPTEMBER, 1939. (Tons of 2,240 pounds)

	O C T O B E R			S E P T E M B E R		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	129,694	5,312	135,006	112,855	26	112,881
Electric	8,795	-	8,795	7,347	8	7,355
Other	-	-	-	-	-	-
Total Steel Ingots	138,489	5,312	143,801	120,202	34	120,236
<u>STEEL CASTINGS</u>						
Open hearth - Basic	249	1,867	2,116	114	981	1,095
Converter	-	84	84	-	87	87
Electric	605	3,284	3,889	342	2,624	2,966
Total Direct Steel Castings	854	5,235	6,089	456	3,692	4,148
GRAND TOTAL	139,343	10,547	149,890	120,658	3,726	124,384

Table 5 - CUMULATIVE PRODUCTION for the TEN MONTHS ending OCTOBER, 1939 and 1938.

	1 9 3 9			1 9 3 8		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic	986,958	5,918	992,876	892,525	247	892,772
Electric	54,662	8	54,670	49,159	-	49,159
Other	-	-	-	-	-	-
Total Steel Ingots	1,041,620	5,926	1,047,546	941,684	247	941,931
STEEL CASTINGS -						
Open hearth - Basic	1,429	9,088	10,517	1,441	13,347	14,788
Converter	-	615	615	-	546	546
Electric	5,515	23,390	28,905	5,290	24,706	29,996
Total Direct Steel Castings	6,944	33,093	40,037	6,731	38,599	45,330
GRAND TOTAL	1,048,564	39,019	1,087,583	948,415	38,846	987,261

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS and CASTINGS IN CANADA, 1916-1938. (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	91	115
1918	89	140	1930	62	84
1919	68	77	1931	56	56
1920	81	92	1932	12	29
1921	50	56	1933	19	34
1922	32	40	1934	34	63
1923	73	74	1935	50	78
1924	49	54	1936	56	95
1925	48	63	1937	75	117
1926	63	64	1938	59	96
1927	59	76			

Table 7 - PRODUCTION OF PIG IRON, BY MONTHS and BY PROVINCES, and STEEL INGOTS and CASTINGS, BY MONTHS, 1938 and 1939. (In 1000's of long tons)

Month	P I G		I R O N		S T E E L	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA	
	1938	1939	1938	1939	1938	1939
January	29	16	46	42	75	58
February	24	13	37	28	61	41
March	28	12	38	29	66	41
April	28	19	38	27	66	46
May	29	25	43	33	72	58
June	19	24	45	29	64	53
July	13	23	38	36	51	59
August	14	23	36	43	50	66
September	13	24	37	42	50	66
October	16	24	35	62	51	86
TOTAL - TEN MONTHS .	213	203	393	371	606	574
November	15		31		46	
December	15		38		53	
TOTAL FOR YEAR	243		462		705	
						1,155



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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, Ont.	1	350
The Steel Company of Canada, Ltd.	Hamilton, Ont.	2	825
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	4	1,600

Table 9 -- DESCRIPTION OF FURNACES AT END OF OCTOBER, 1939.

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	7	3,025	76
Banked	-	-	-
Blown out	3	950	24
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.