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

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

OCTOBER, 1938.

PIG IRON - Production of pig iron in Canada at 50,657 tons in October compares with 49,972 tons in the previous month and 80,922 tons in the corresponding month of last year. The month's output included 35,540 tons of basic iron, 13,416 tons of foundry iron and 1,701 tons of malleable iron.

During the month 87,627 long tons of iron ore, 49,247 short tons of coke and 23,235 short tons of limestone were charged to iron blast furnaces in Canada to make a total charge for the first ten months of this year of 1,065,693 tons of ore, 600,677 tons of coke and 301,420 tons of limestone. From these materials a total of 605,502 tons of pig iron was produced, the comparative totals for the first ten months of other years being reported at 735,360 tons in 1937 and 535,836 tons in 1936.

FERRO-ALLOYS - Output of ferro-alloys amounted to 2,194 tons during October against 3,174 tons in the previous month and 7,604 tons in October 1937. The month's total included three grades listed according to volume - ferromanganese, ferrosilicon and spiegeleisen.

STEEL INGOTS AND CASTINGS - October production of steel ingots and direct steel castings at 76,256 tons was 4 per cent over the 73,556 tons of September and 33 per cent under the 114,527 tons made in October 1937. The increase over September was accounted for by the ingot grade advancing to 73,957 tons from 70,773 tons while direct castings dropped to 2,299 tons from 2,783 tons.

For the ten months ending October 31, 1938, the cumulative production of steel amounted to 987,261 tons compared with a ten months' output of 1,191,989 tons in 1937 and 912,064 tons in 1936.

PRICES - The business outlook for the iron and steel industry showed considerable improvement in October, while prices held comparatively firm. Interest in agricultural implement requirements increased and sales of machinery and tools were reported higher. The expectation of substantial increases in automobile production together with a noticeable extension in mining operations were also constructive factors. Pig iron orders were greater as shipments were being made before the close of navigation on the Great Lakes. The Dominion Bureau of Statistics index number of wholesale prices of Iron and Its Products, on the base 1926=100 moved down from 98.2 in September to 98.1 in October, chiefly due to a downward revision in the base price of hot rolled steel sheets. No. 1 foundry pig iron delivered Toronto was unchanged at \$23.00 per long ton.

UNITED STATES "IRON AGE" - Pig iron production in the United States during October averaged 66,203 tons a day, an increase of 18.2 per cent over the September rate of 56,015 tons per day. There was a gain of 19 active furnaces, 115 stacks being in blast on November 1 against 96 on October 1.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING OCTOBER AND SEPTEMBER, 1938.

(Tons of 2,240 pounds)

	OCTOBER, 1938			SEPTEMBER, 1938		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON -</u>						
Basic	33,597	1,943	35,540	33,056	...	33,056
Foundry .....	...	13,416	13,416	...	9,434	9,434
Malleable .....	...	1,701	1,701	...	7,482	7,482
TOTAL	33,597	17,060	50,657	33,056	16,916	49,972
Ferro-alloys .....	...	2,194	2,194	...	3,174	3,174

Table 2 - CUMULATIVE PRODUCTION FOR THE TEN MONTHS ending OCTOBER, 1938 and 1937.

(Tons of 2,240 pounds)

	1938			1937		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON -</u>						
Basic	473,757	14,319	488,076	560,164	33,474	593,638
Foundry .....	...	64,185	64,185	40	85,963	86,003
Malleable	582	52,659	53,241	1,642	54,077	55,719
TOTAL	474,339	131,163	605,502	561,846	173,514	735,360
Ferro-alloys .....	...	44,513	44,513	...	63,140	63,140

Table 3 - IRON BLAST FURNACE CHARGES DURING OCTOBER, SEPTEMBER, and YEAR TO DATE.

	Unit	OCTOBER	SEPTEMBER	YEAR TO DATE
Imported iron ore	Long ton	87,627	83,892	1,065,693
Coke	Short ton	49,247	51,214	600,677
Limestone	Short ton	23,235	24,902	301,420

(b) STEEL INGOTS and CASTINGS

Table 4 - PRODUCTION FOR OCTOBER AND SEPTEMBER, 1938.

(Tons of 2,240 pounds)

	OCTOBER, 1938			SEPTEMBER, 1938		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS -</u>						
Open hearth - Basic ..	70,213	...	70,213	66,766	...	66,766
Electric	3,744	...	3,744	4,007	...	4,007
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS ..	73,957	...	73,957	70,773	...	70,773
<u>STEEL CASTINGS -</u>						
Open hearth - Basic ..	97	280	377	86	578	664
Bessemer .....	...	61	61	...	51	51
Electric	353	1,508	1,861	342	1,726	2,068
TOTAL DIRECT STEEL CASTINGS	450	1,849	2,299	428	2,355	2,783
GRAND TOTAL	74,407	1,849	76,256	71,201	2,355	73,556

Table 5 - CUMULATIVE PRODUCTION FOR THE TEN MONTHS ENDING OCTOBER, 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 ..	892,525	247	892,772	1,085,110	266	1,085,376
Electric	49,159	...	49,159	48,442	28	48,470
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS ..	941,684	247	941,931	1,133,552	294	1,133,846
STEEL CASTINGS -						
Open hearth - Basic ..	1,441	13,347	14,788	1,889	19,706	21,595
Bessemer .....	...	546	546	...	811	811
Electric	5,290	24,706	29,996	4,231	31,506	35,737
TOTAL DIRECT STEEL CASTINGS.....	6,731	38,599	45,330	6,120	52,023	58,143
GRAND TOTAL	948,415	38,846	987,261	1,139,672	52,317	1,191,989

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

Year	Monthly Average		Year	Monthly Average	
	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)

Month	PIG IRON						S T E E L	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		TOTAL CANADA	
	1937	1938	1937	1938	1937	1938	1937	1938
January	28	29	38	46	66	75	115	113
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
August	26	14	49	35	75	49	127	83
September	26	13	50	37	76	50	115	74
October	25	16	56	35	81	51	115	76
TOTAL FOR TEN MONTHS .	267	213	468	392	735	605	1,193	987
November	27		54		81		111	
December	28		53		81		98	
TOTAL FOR YEAR	322		575		897		1,402	



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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, Ont.	4	1,600

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

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	5	2,175	55
Banked .....	...	...	...
Blown out	5	1,800	45
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.