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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 REPORTPRODUCTION OF IRON AND STEEL IN CANADASEPTEMBER, 1937.

PIG IRON - Production of 77,180 long tons of pig iron in Canada during September was 3 per cent over the 74,578 tons made in the previous month and 49 per cent over the 51,892 tons reported for the corresponding month of 1936. This month's output included 68,550 tons of basic iron, 5,510 tons of foundry iron and 3,120 tons of malleable iron.

Furnace charges during the month included 135,980 long tons of imported iron ore, 77,221 short tons of coke and 39,965 short tons of limestone.

For the first nine months of this year, 1,202,697 tons of ore, 656,871 tons of coke and 349,778 tons of limestone were charged to iron blast furnaces in Canada to make 655,438 tons of pig iron. During the first three quarters of 1936 the output of pig iron totalled 465,785 tons.

FERRO-ALLOYS - Output of ferro-alloys from electric and blast furnaces totalled 7,720 tons in September compared with 9,913 tons in August of this year and 5,027 tons in September of a year ago. This month's tonnage included spiegeleisen, ferromanganese, ferrosilicon and silico spiegeleisen.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings declined to 114,622 tons in September from 126,695 tons in August but showed a decided improvement over the 86,077 tons made in September of 1936. This month's output included 109,013 tons of ingots and 5,609 tons of castings.

For the nine months ending September the cumulative output amounted to 1,077,462 tons, the comparative figures for the corresponding periods of other years being 813,734 tons and 647,704 tons in 1936 and 1935, respectively.

PRICES - There was a steady flow of domestic orders for iron and steel products in September and prices held firm. More interest was displayed in raw materials and operations of industrial plants were increased. Greater demand for reinforcing bars and structural steel was reported and many mills were said to be late with deliveries. The auto industry bought large quantities and a constant demand for builders' hardware and supplies was noted. Active buying also occurred on the part of manufacturers of electric stoves and refrigerators, but mining industry market support decreased. Trading in scrap held at good levels with some dealers experiencing difficulty in securing supplies. The Dominion Bureau of Statistics index number of wholesale prices of Iron and Its Products rose from

104.8 in August to 105.4 in September, due chiefly to higher quotations for scrap. No changes occurred in foundry pig iron prices, No. 1 being \$27.00 delivered at Montreal and \$26.00 per long ton delivered at Toronto. No. 2 foundry at these respective centres was \$26.50 and \$25.50 per long ton.

UNITED STATES - In the United States the production of coke pig iron averaged 113,679 tons a day in September, a decline of 2.3 per cent from the 116,317 tons of August. During the month eleven furnaces were put out or banked and one blown in, a net loss of ten active furnaces.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - Production during SEPTEMBER and AUGUST, 1937. (Tons of 2,240 pounds).

	SEPTEMBER, 1937			AUGUST, 1937		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON -</u>						
Basic .....	59,355	9,195	68,550	54,422	35	54,457
Foundry .....	...	5,510	5,510	...	10,111	10,111
Malleable .....	...	3,120	3,120	...	10,010	10,010
TOTAL .....	59,355	17,825	77,180	54,422	20,156	74,578
Ferro-alloys ....	...	7,720	7,720	...	9,913	9,913

Table 2 - Cumulative Production for the NINE MONTHS ending SEPTEMBER, 1937 and 1936. (Tons of 2,240 pounds)

	1937			1936		
	1	9	3 7	1	9	3 6
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>PIG IRON -</u>						
Basic .....	505,895	30,368	536,263	357,622	984	358,606
Foundry .....	40	73,673	73,713	1,300	57,204	58,504
Malleable .....	1,642	43,820	45,462	1,997	46,678	48,675
TOTAL .....	507,577	147,861	655,438	360,919	104,866	465,785
Ferro-alloys ....	...	55,636	55,636	...	56,087	56,087

Table 3 - Iron Blast Furnace Charges during SEPTEMBER and AUGUST and YEAR TO DATE, 1937.

	SEPTEMBER	AUGUST	YEAR TO DATE
Imported iron ore ..... long tons	135,980	132,701	1,202,697
Canadian limestone ..... short tons	13,082	12,839	112,821
Imported limestone ..... short tons	26,883	27,445	236,957
Coke made in Canada -			
From Canadian coal ..... short tons	29,509	29,929	265,120
From Imported coal ..... short tons	38,258	39,797	345,932
Imported coke ..... short tons	9,454	6,156	45,819



(b) STEEL INGOTS AND CASTINGS.

Table 4 - Production for SEPTEMBER and AUGUST, 1937. (Tons of 2,240 pounds)

	SEPTEMBER, 1937			AUGUST, 1937		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS -</u>						
Open hearth - Basic .....	104,482	106	104,588	115,712	...	115,712
Electric .....	4,425	...	4,425	4,685	...	4,685
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS .....	108,907	106	109,013	120,397	...	120,397
<u>STEEL CASTINGS -</u>						
Open hearth - Basic .....	152	1,448	1,600	178	2,249	2,427
Bessemer .....	...	84	84	...	85	85
Electric .....	68	3,857	3,925	284	3,502	3,786
TOTAL DIRECT STEEL CASTINGS .....	220	5,389	5,609	462	5,836	6,298
GRAND TOTAL .....	109,127	5,495	114,622	120,859	5,836	126,695

Table 5 - Cumulative Production for the NINE MONTHS ending SEPTEMBER, 1937 and 1936.

	1	9	3	7	1	9	3	6
	For own use	For sale	TOTAL		For own use	For sale	TOTAL	
<u>STEEL INGOTS -</u>								
Open hearth - Basic .....	980,129	266	980,395		757,299	105	757,004	
Electric .....	43,455	...	43,455		30,190	...	30,190	
Other .....	...	...	...		...	...	...	
TOTAL STEEL INGOTS .....	1,023,584	266	1,023,850		787,489	105	787,594	
<u>STEEL CASTINGS -</u>								
Open hearth - Basic .....	1,674	18,935	20,609		998	7,003	8,001	
Bessemer .....	...	748	748		...	347	347	
Electric .....	4,199	28,056	32,255		2,751	15,041	17,792	
TOTAL DIRECT STEEL CASTINGS .....	5,873	47,739	53,612		3,749	22,391	26,140	
GRAND TOTAL .....	1,029,457	48,005	1,077,462		791,238	22,496	813,734	

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1936. (In 1000's of long tons)

Years	Monthly Average		Years	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			



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Table 7 - Production of Pig Iron, by Months and by Provinces, and Steel Ingots and Castings, by Months, 1936 and 1937. (In 1000's of long tons)

Month	P I G		I R O N		: T O T A L C A N A D A :		S T E E L	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA:		TOTAL CANADA	
	1936	1937	1936	1937	1936	1937:	1936	1937
January .....	18	28	43	58	61	66	100	115
February .....	21	25	35	57	56	62	94	112
March .....	22	29	32	42	54	71	101	125
April .....	23	28	31	40	54	68	107	121
May .....	27	27	32	51	59	78	95	121
June .....	27	27	29	51	56	78	82	119
July .....	12	26	23	54	35	80	69	123
August .....	11	26	28	49	39	75	80	127
September .....	15	26	37	51	52	77	86	115
October .....	26		44		70		98	
November .....	28		46		74		99	
December .....	28		40		68		104	
TOTAL .....	258	242	420	413	678	655	1,115	1,078
Monthly Average.	21	27	35	46	56	73	93	120

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

Table 9 - Description of Furnaces at end of SEPTEMBER, 1937.

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast .....	6	2,525	64
Banked .....	...	...	...
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.