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

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PRODUCTION OF IRON AND STEEL IN CANADA

JANUARY, 1935.

PIG IRON - Production of pig iron in Canada at 44,416 tons in January was 5 per cent over the 42,364 tons of the previous month and 45 per cent over the 30,677 tons made in January, 1934. The improvement over December was mostly in the foundry grade which advanced to 13,761 tons from 4,591 tons and in the basic grade which also rose to 28,697 tons from 26,637 tons, while malleable iron fell off to 1,958 tons from 11,136 tons.

Included in the furnace charges for January were 73,570 long tons of imported iron ore, 19,931 short tons of limestone and 43,670 short tons of coke.

At the end of January the three iron furnaces in blast were located as follows: 1 at Sydney, N.S., 1 at Hamilton, Ont., and 1 at Port Colborne, Ont. These active furnaces had a capacity of 1,450 long tons a day or about 34 per cent of the total capacity of all the iron blast furnaces in Canada.

FERRO-ALLOYS - Output of ferro-alloys in January at 2,807 tons compares with 3,641 tons in the previous month and 1,814 tons in January of a year ago.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings in Canada at 59,526 tons in January showed a slight improvement over the 58,732 tons of December and compares with 60,787 tons in January, 1934. The gain over December was in the ingots which advanced to 57,939 tons from 56,876 tons, while the direct castings fell off slightly to 1,587 tons from 1,656 tons.

PRICES - A steady flow of small spot tonnage orders together with firm prices characterized the Canadian iron and steel market in January. The mining industry and manufacturers of automobiles and electrical equipment furnished the bulk of business done, while demand from railways and the building trades was dull. The Dominion Bureau of Statistics index number of wholesale prices on the base 1926 = 100, advanced from 86.8 to 86.9, owing principally to higher prices for corrugated iron. Prices for pig iron remained unchanged from the previous month. No. 1 foundry was quoted at \$23.00 delivered at Montreal and at \$21.50 per long ton delivered at Toronto. No. 2 foundry was \$22.50 and \$21.00 per long ton at these respective centres.

UNITED STATES - In the United States the January production of pig iron averaged 47,656 tons a day, an increase of 43.8 per cent over the December rate of 33,149 tons a day. On February 1st there were 89 active furnaces making iron at the rate of 54,410 tons a day as against 69 furnaces on January 1st operating at the rate of 37,615 tons a day. Twenty-four furnaces were blown in during the month and four shut down, a net gain of twenty active furnaces.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - Production for the Current and Preceding Month (Tons of 2,240 lb.)

Item	JANUARY, 1935			DECEMBER, 1934		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>In blast furnace -</u>						
Basic .....	28,659	38	28,697	26,189	448	26,637
Foundry .....	...	13,761	13,761	...	4,591	4,591
Malleable .....	...	1,958	1,958	...	11,136	11,136
TOTAL .....	28,659	15,757	44,416	26,189	16,175	42,364
Ferro-alloys .....	...	2,807	2,807	...	3,641	3,641

Table 2 - Cumulative Production for the Twelve Months ending December, 1934 and 1933. (Tons of 2,240 lb.)

Item	1934				1933			
	For own use	For sale	TOTAL		For own use	For sale	TOTAL	
<u>In blast furnace -</u>								
Basic .....	301,416	11,215	312,631		176,784	12,644	189,428	
Foundry .....	49	50,874	50,923		...	22,333	22,333	
Malleable .....	...	43,441	43,441		...	15,556	15,556	
TOTAL .....	301,465	105,530	406,995		176,784	50,533	227,317	
Ferro-alloys .....	...	33,085	33,085		...	30,133	30,133	

Table 3 - IRON BLAST FURNACE CHARGES, DECEMBER AND YEAR, 1934, AND JANUARY, 1935.

	January, 1935	December, 1934	Year 1934
Imported iron ore ..... long ton	73,570	73,804	704,719
Canadian limestone ..... short ton	8,047	8,075	69,318
Imported limestone ..... short ton	11,884	12,729	137,733
<u>Coke made in Canada -</u>			
From Canadian coal ..... short ton	18,731	18,377	155,085
From imported coal ..... short ton	15,787	15,591	215,508
Imported coke ..... short ton	9,152	8,144	38,024

(b) STEEL INGOTS AND DIRECT CASTINGS

Table 4 - Production for the Current and Preceding Month (Tons of 2,240 lb.)

Item	JANUARY, 1935			DECEMBER, 1934		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic .....	55,983	107	56,090	55,016	...	55,016
Acid .....	...	...	...	...	...	...
Electric .....	1,849	...	1,849	1,860	...	1,860
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	57,832	107	57,939	56,876	...	56,876
<u>STEEL CASTINGS</u>						
Open hearth - Basic .....	151	230	381	91	454	545
Acid .....	...	...	...	...	...	...
Bessemer .....	...	...	...	...	13	13
Electric .....	65	1,141	1,206	21	1,077	1,098
Total Direct Steel Castings ...	216	1,371	1,587	112	1,544	1,656
GRAND TOTAL .....	58,048	1,478	59,526	56,988	1,544	58,732

Table 5 - Cumulative Production for the Twelve Months ending December, 1934 and 1933.

Item	1934			1933		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic .....	715,201	162	715,363	378,549	117	378,666
Acid .....	...	...	...	...	...	...
Electric .....	23,067	...	23,067	15,393	...	15,393
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	738,268	162	738,430	393,942	117	394,059
<u>STEEL CASTINGS</u>						
Open hearth - Basic .....	1,191	5,248	6,439	355	4,662	5,017
Acid .....	...	...	...	...	...	...
Bessemer .....	...	488	488	8	280	288
Electric .....	734	12,979	13,713	342	10,273	10,615
Total Direct Steel Castings ...	1,925	18,715	20,640	705	15,215	15,920
GRAND TOTAL .....	740,193	18,877	759,070	394,647	15,332	409,979

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1933. (In 1000's of long tons)

Years	Monthly Average		Years	Monthly Average	
	Iron	Steel		Iron	Steel
1916 .....	87	106	1925 .....	48	63
1917 .....	87	130	1926 .....	63	64
1918 .....	89	140	1927 .....	59	76
1919 .....	68	77	1928 .....	86	103
1920 .....	81	92	1929 .....	91	115
1921 .....	50	56	1930 .....	62	84
1922 .....	32	40	1931 .....	36	56
1923 .....	73	74	1932 .....	12	29
1924 .....	49	54	1933 .....	19	34





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Table 7 - Production of Pig Iron by Months and by Provinces, and Steel Ingots and Castings, by Months, in Canada, 1934 and 1935. (In 1000's of long tons)

Months	P I G		I R O N		S T E E L			
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		TOTAL CANADA	
	1934	1935	1934	1935	1934	1935	1934	1935
January .....	12	17	19	27	31	44	61	60
February .....	..		12		12		58	
March .....	..		12		12		73	
April .....	...		27		27		70	
May .....	9		29		38		71	
June .....	15		22		37		64	
July .....	15		22		37		67	
August .....	16		26		42		64	
September .....	17		26		43		57	
October .....	18		29		47		58	
November .....	16		23		39		57	
December .....	17		25		42		59	
TOTAL .....	135	17	272	27	407	44	759	60
Monthly Average .....	11	17	23	27	34	44	63	60

Table 8 - Iron Blast Furnaces in Canada, 1935.

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long tons)
British Empire Steel Corp. Ltd.	Sydney, N.S.	4	1,450
Canadian Furnace Co. Ltd.	Port Colborne, Ont.	1	350
The Steel Company of Canada, Ltd.	Hamilton, Ont.	2	825
Algoma Steel Corporation Ltd.	Sault Ste. Marie, Ont.	4	1,600

Table 9 - Description of Furnaces at end of January, 1935.

Condition of furnace	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast .....	3	1,450	34
Banked .....	1	450	11
Blown out .....	7	2,325	55
Total furnaces reporting .....	11	4,225	100

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

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