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PRODUCTION OF IRON AND STEEL IN CANADAJANUARY, 1937

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PIG IRON - Production of pig iron in Canada at 66,400 long tons in January was 3 per cent below the output of 68,499 tons in the previous month but 8 per cent above the 61,336 tons made in January 1936. Compared with December figures, the basic iron dropped to 57,891 tons from 57,264 tons and malleable iron to 618 tons from 8,999 tons while foundry advanced to 7,891 tons from 2,236 tons.

Furnace charges during the month included 125,297 long tons of imported iron ore, 35,444 short tons of limestone and 65,547 short tons of coke. Only 11,242 tons of limestone were quarried in Canada, but all of the coke was carbonized in this country including 30,196 tons from Canadian coal.

FERRO-ALLOYS - Output of ferro-alloys amounted to 6,519 long tons in January compared with 6,775 tons in December and 4,324 tons in January of a year ago. This Month's output consisted of three grades, viz: ferromanganese, spiegeleisen and ferro-silicon.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings in Canada at 115,237 long tons in January showed an improvement of 11 per cent over the 103,952 tons of December and 15 per cent over the 100,225 tons made in January, 1936. The improvement over the previous month was chiefly in the ingot grade which rose to 111,010 tons from 100,443 tons, but direct castings also showed an increase to 4,227 tons from 3,509 tons.

PRICES - Sales during the first week were somewhat retarded by inventory taking but later considerable gains in new business was recorded, and prices remained firm. Buying for auto and mining industries increased and various other industrial sources showed improved demand. Substantial contracts for export and railway needs are pending, noteworthy contracts for first quarter delivery were reported and several plants were said to have enough business booked to assure several months' operation. Demand for steel sheets was heavy and some producers are several weeks behind with delivery. The index numbers of wholesale prices of "Iron and Its Products" on the base 1926 = 100, rose from 91.4 in December 1936 to 92.1 in January 1937 due chiefly to higher quotations for rolling mill products and scrap. Prices of foundry pig iron were the same as in the previous month. No. 1 delivered at Montreal was \$24.00 per long ton and \$22.00 per ton delivered at Toronto. No. 2 was quoted at \$23.50 and \$21.50 per long ton delivered at these respective centres.

UNITED STATES - In the United States production of pig iron during January at 103,617 tons a day was 3.1 per cent over the daily rate in December of 100,485 tons. During the month two furnaces were blown out or banked and two were put in blast, leaving the same number active in January 31, as on December 31.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - Production during JANUARY, 1937 and DECEMBER, 1936. (Tons of 2,240 lb.)

	JANUARY, 1937			DECEMBER, 1936		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<b>PIG IRON -</b>						
Basic .....	57,891	...	57,891	57,264	...	57,264
Foundry .....	...	7,891	7,891	...	2,236	2,236
Malleable .....	...	618	618	129	8,870	8,999
TOTAL .....	57,891	8,509	66,400	57,393	11,106	68,499
Ferro-alloys .....	...	6,519	6,519	...	6,775	6,775

Table 2 - Cumulative Production for the TWELVE MONTHS ending DECEMBER, 1936 and 1935.  
(Tons of 2,240 lb.)

	1 9 3 6			1 9 3 5		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<b>PIG IRON -</b>						
Basic .....	513,953	17,222	531,175	447,913	20,331	468,244
Foundry .....	1,300	82,493	83,793	...	62,294	62,294
Malleable .....	2,126	61,578	63,704	...	69,337	69,337
TOTAL .....	517,379	161,293	678,672	447,913	151,962	599,875
Ferro-alloys .....	...	74,065	74,065	...	56,616	56,616

Table 3 - Iron Blast Furnace Charges, JANUARY 1937, DECEMBER and YEAR, 1936.

		JANUARY 1937	DECEMBER 1936	YEAR 1936
Imported iron ore .....	long tons	125,297	128,115	1,218,838
Canadian limestone .....	short tons	11,242	11,561	120,275
Imported limestone .....	short tons	24,202	25,356	225,346
Coke made in Canada -				
From Canadian coal .....	short tons	30,196	29,959	298,400
From imported coal .....	short tons	35,351	33,315	304,450
Imported coke .....	short tons	...	3,865	71,983

(b) STEEL INGOTS AND DIRECT CASTINGS

Table 4- Production for JANUARY 1937 and DECEMBER 1936.

(Tons of 2,240 lb.)

	JANUARY, 1937			DECEMBER, 1936		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic .....	105,704	160	105,864	95,545	55	95,600
Electric .....	5,146	...	5,146	4,843	...	4,843
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	110,850	160	111,010	100,388	55	100,443
<u>STEEL CASTINGS</u>						
Open hearth - Basic .....	252	1,186	1,438	172	751	923
Bessemer .....	...	82	82	...	72	72
Electric .....	484	2,223	2,707	475	2,041	2,514
Total Direct Steel Castings	736	3,491	4,227	645	2,864	3,509
GRAND TOTAL	111,586	3,651	115,237	101,033	2,919	103,952

Table 5 - Cumulative Production for the TWELVE MONTHS ending DECEMBER, 1936 and 1935.

	1 9 3 6			1 9 3 5		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic .....	1,036,951	55	1,037,006	871,681	763	872,444
Electric .....	43,506	...	43,506	36,742	...	36,742
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	1,080,457	55	1,080,512	908,423	763	909,186
<u>STEEL CASTINGS</u>						
Open hearth - Basic .....	1,421	8,744	10,165	1,615	7,504	9,119
Bessemer .....	...	565	565	...	645	645
Electric .....	3,460	19,848	23,308	3,995	18,582	22,577
Total Direct Steel Castings	4,881	29,157	34,038	5,610	26,731	32,341
GRAND TOTAL .....	1,085,338	29,212	1,114,550	914,033	27,494	941,527

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		: S T E E L			
	NOVA SCOTIA	ONTARIO	TOTAL CANADA	:	TOTAL CANADA			
	1936	1937	1936	1937	1936	1937		
January .....	18	28	43	38	61	66	100	115
February .....	21		35		56		94	
March .....	22		32		54		101	
April .....	23		31		54		107	
May .....	27		32		59		95	
June .....	27		29		56		82	
July .....	12		23		35		69	
August .....	11		28		39		80	
September .....	15		37		52		86	
October .....	26		44		70		98	
November .....	28		46		74		99	
December .....	28		40		68		104	
TOTAL .....	258	28	420	38	678	66	1,115	115
Monthly Average .....	21	28	35	38	56	66	93	115

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 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, 1937.

Condition of furnace	Number of furnaces	TOTAL DAILY CAPACITY	
		Long tons	Per cent
In blast .....	5	2,175	55
Banked .....	...	...	...
Blown out .....	5	1,800	45
<b>Total Furnaces reporting</b> .....	<b>10</b>	<b>3,975</b>	<b>100</b>

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