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Monthly Report

of the

PRODUCTION OF IRON AND STEEL

IN CANADA

JANUARY, 1922

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Monthly Report  
of the  
PRODUCTION OF IRON AND STEEL  
IN CANADA

January - 1922.

PIG IRON AND FERRO-ALLOYS

The year-end decline in the production of pig iron was carried into the new year and the output of pig iron in January dropped still further to a new low level at 32,184 long tons, all made in blast furnaces, as compared with 39,917 tons in the preceding month.

The production of basic iron which constituted the most important grade fell off to 22,933 long tons made for the use of firms reporting and 204 tons made for sale, a total of 23,137 tons as compared with 30,698 tons in December. The production of foundry iron for sale was 9,047 tons, this item showing an increase to more than double the preceding month's production, which was only 2,948 tons. No malleable iron was produced in January, while in December a total of 6,271 tons was reported. Ferro-alloys made during the month were only slightly lower in quantity than in December, the total production amounting to 604 tons, all of which was ferro-silicon.

In spite of the decline in total production for the month, two additional furnaces were blown in, one by the Dominion Steel Corporation at Sydney and one by the Algoma Steel Corporation. At the end of the month four furnaces were active, comprising two at Sydney, one at Sault Ste. Marie and one at Hamilton.

Conditions in the iron and steel industry in the United States were very similar to those prevailing in the iron industry in Canada, the output for the month of January declining slightly. There was a net gain of only one furnace among those active during the month.

During the final week of the month it was reported that the demand in Canada was broadening slightly, principally for replenishing purposes, but it had not sufficiently increased to justify production on a greater scale.

Table 1 (a) shows the production of pig iron by grades and ferro-alloys during the months. For comparison Table 1 (b) shows the corresponding data for the month of December, 1921, and Table 1 (c) shows the total output of pig iron for the calendar year just closed. On Page 4, the monthly production of the several grades of pig iron made during 1921 have been tabulated.

PIG IRON AND FERRO-ALLOYS PRODUCTION (Tons of 2240 lbs.)

Table 1 (a) - January - 1922.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic.....	22,933	204	--	--	23,137
Foundry.....	--	9,047	--	--	9,047
Malleable.....	--	--	--	--	--
Castings.....	--	--	--	--	--
TOTAL PIG IRON.....	22,933	9,251	--	--	32,184
TOTAL FERRO-ALLOYS.....	--	--	--	604	604

Table 1 (b) - December - 1921.

PIG IRON:					
Basic.....	30,182	516	--	--	30,698
Foundry.....	66	2,882	--	--	2,948
Malleable.....	--	6,271	--	--	6,271
Castings.....	--	--	--	--	--
TOTAL PIG IRON.....	30,248	9,669	--	--	39,917
TOTAL FERRO-ALLOYS.....	--	--	--	846	846

Table 1 (c) - TOTAL for the TWELVE months ending December, 1921.

PIG IRON:					
Basic.....	459,580	1,998	--	--	461,578
Foundry.....	33,265	63,817	222	--	97,304
Malleable.....	7,837	27,247	--	--	35,084
Castings.....	--	--	--	388	388
TOTAL PIG IRON.....	500,682	93,062	222	388	594,354
TOTAL FERRO-ALLOYS.....	9,583	167	--	12,743	22,493

No. of blast furnaces:

	First of Month	End of Month
ACTIVE.....	2.....	4
IDLE.....	18.....	16

Table 2 (a) shows the average monthly production of pig iron in Canada for the ten-year period from 1907 to 1916, inclusive, and Table 2 (b) shows the actual production by months for the years 1917 to date.

TABLE 2 (A), AVERAGE MONTHLY PRODUCTION OF  
PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1907 - 1916.

In 1000's of Long Tons

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1907	48	53	1912	75	71
1908	47	44	1913	84	87
1909	56	56	1914	58	62
1910	60	61	1915	68	76
1911	68	66	1916	87	106

TABLE 2 (B) TOTAL PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA BY MONTHS

From 1917 to Date

(In 1000's of Long Tons)

MONTH	1917		1918		1919		1920		1921		1922	
	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel
January	80	117	66	130	93	107	73	92	41	40	32	33
February	75	108	70	124	78	90	64	84	58	59		
March	93	136	86	141	82	100	69	97	60	53		
April	90	125	93	149	83	75	77	93	39	27		
May	97	139	94	156	74	69	87	90	56	52		
June	89	122	92	148	59	68	80	91	55	64		
July	83	124	98	147	54	66	84	94	54	54		
August	90	130	86	152	60	54	93	105	50	72		
September	90	133	85	149	51	60	94	99	44	56		
October	92	144	96	164	50	66	105	111	50	72		
November	87	141	95	116	65	82	94	97	48	75		
December	78	139	106	105	70	87	54	56	40	43		
TOTAL	1044	1558	1067	1681	819	924	974	1109	595	667	32	33
MONTHLY AVERAGE	87	130	89	140	68	77	81	92	50	56	32	33



**PIG IRON AND FERRO-ALLOYS PRODUCTION - 1921**  
(Tons of 2240 pounds)

Months	Basic	Foundry	Malleable	Castings	Ferro-Alloys
January	28463	3027	9759	-----	5284
February	47575	6046	4090	-----	2094
March	35662	16796	7985	-----	949
April	15971	22929	-----	-----	793
May	44002	9915	2162	12	944
June	48870	5214	661	67	717
July	40720	10339	2922	105	3489
August	46939	1882	1234	101	3514
September	38999	4607	-----	103	914
October	42356	7217	-----	-----	1266
November	41323	6384	-----	-----	1683
December	30698	2948	6271	-----	846
<b>Total</b>	<b>461578</b>	<b>97304</b>	<b>35084</b>	<b>388</b>	<b>22493</b>

**STEEL INGOTS AND CASTINGS PRODUCTION - 1921**

		Open Hearth				Total
Months		Basic	Acid	Bessemer	Electric	
January	Ingots	36410	107	21	393	36931
	Castings	1014	59	232	1822	3127
February	Ingots	56157	-----	23	222	56402
	Castings	67	160	336	1582	2145
March	Ingots	50946	-----	21	351	51318
	Castings	152	-----	98	1482	1732
April	Ingots	25252	-----	-----	191	25443
	Castings	131	-----	124	1683	1938
May	Ingots	49884	132	-----	52	50068
	Castings	56	37	102	1738	1933
June	Ingots	62190	-----	5	144	62339
	Castings	389	-----	97	1278	1764
July	Ingots	52111	-----	7	523	52641
	Castings	630	-----	99	608	1337
August	Ingots	70088	-----	5	246	70339
	Castings	770	-----	102	812	1684
September	Ingots	54320	-----	3	156	54479
	Castings	853	-----	140	975	1968
October	Ingots	69809	-----	4	542	70355
	Castings	1020	-----	127	702	1849
November	Ingots	73615	-----	3	40	73658
	Castings	716	-----	81	584	1381
December	Ingots	41100	-----	2	-----	41102
	Castings	733	-----	100	718	1551
<b>TOTAL</b>	Ingots	641882	239	94	2860	645075
	Castings	6531	256	1638	13984	22409

## STEEL INGOTS AND CASTINGS

The production of steel ingots and castings in Canada during January declined almost 10,000 tons from the quantity reported for the preceding month. The actual output was 33,011 tons of ingots and castings, comprising 31,160 tons basic open-hearth ingots, 3 tons bessemer ingots, 902 tons basic open-hearth castings, 90 tons bessemer castings and 856 tons of electric steel castings or a total of 31,163 tons of steel ingots and 1,848 tons of direct steel castings. Practically the whole output was made by the producing firms for their own further use. Small tonnages of castings were produced for direct sale, the amounts credited in this column being 838 tons basic open-hearth castings, 89 tons bessemer castings and 847 tons of the electric castings, a total of 1,774 tons of castings.

The average monthly production of steel ingots and castings during 1921 amounted to 56,000 tons, so that the January production was only about 60% of the average production during the preceding year.

During the last week of the month a better buying movement was observed in several Canadian centers, particularly in connection with machine tools and certain machines. Equipment makers stated that business was becoming somewhat stronger and that in several cases additions had been made to their working staffs.

Statements issued by Canada's four large steel companies for the year just closed showed that the net working position of all the companies was sound and that profits for the year closed were in every case substantial. Prospects for 1922 are generally regarded as being considerably better than in the year just closed.

On the preceding page summary statistics of the production of steel ingots and castings during the calendar year 1921 are given by months. The quantities of each of the several grades produced are shown and in addition a separation has been made to show the amounts of ingots and castings of the different grades made. A column showing the total production during each month has also been included.

Table 3 (a) shows the production of steel ingots and castings during January, and for comparison similar data are given for the last month of the preceding calendar year. The table showing the total production of steel ingots and castings for the twelve months ending December has been repeated in this issue for convenience of reference.

Table 3 (a)

PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA  
FOR THE CURRENT AND PRECEDING MONTH  
(Tons of 2240 lbs.)

	DECEMBER			January		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	41,100	-----	41,100	31,160	-----	31,160
Acid	-----	-----	-----	-----	-----	-----
Bessemer	1	1	2	1	2	3
Electric	-----	-----	-----	-----	-----	-----
TOTAL STEEL INGOTS	41,101	1	41,102	31,161	2	31,163
STEEL CASTINGS:						
Open Hearth-Basic	76	657	733	64	838	902
Acid	-----	-----	-----	-----	-----	-----
Bessemer	3	97	100	1	89	90
Electric	14	704	718	9	847	856
TOTAL DIRECT STEEL CASTINGS	93	1,458	1,551	74	1,774	1,848
GRAND TOTAL	41,194	1,459	42,653	31,235	1,776	33,011

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the TWELVE MONTHS ending DECEMBER, 1921.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	641,882	-----	641,882
Acid	239	-----	239
Bessemer	37	57	94
Electric	2,200	660	2,860
TOTAL STEEL INGOTS	644,358	717	645,075
STEEL CASTINGS:			
Open Hearth-Basic	1,450	5,081	6,531
Acid	4	252	256
Bessemer	237	1,401	1,638
Electric	2,223	11,761	13,984
TOTAL DIRECT STEEL CASTINGS	3,914	18,495	22,409
GRAND TOTAL	648,272	19,212	667,484

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