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Monthly Report

PRODUCTION OF IRON AND STEEL IN CANADA

SEPTEMBER - 1948

Pig Iron - Production of pig iron in Canada amounted to 182,465 net tons in September, compared with 169,630 tons in the corresponding month of last year. The total for the current month included 145,281 tons of basic iron, 20,635 tons of foundry iron and 16,549 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in September amounted to 12,318 net tons compared with 12,700 tons in the previous month and with 11,152 tons in September of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferromanganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during September totalled 257,865 net tons compared with 234,188 tons in September of last year. Output in the month under review included 248,622 tons of ingots and 9,243 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During August and September, 1948

	August, 1948			September, 1948		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
Pig Iron -						
Basic	146,946	10,958	157,904	139,068	6,213	145,281
Foundry	1,479	19,680	21,159	4,112	16,523	20,635
Malleable	...	12,320	12,320	...	16,549	16,549
Total Pig Iron .	148,425	42,958	191,383	143,180	39,285	182,465
Ferro-alloys	...	12,700	12,700	...	12,318	12,318

Table 2 - Cumulative Production for the Nine Months Ended September, 1947 and 1948

	1947			1948		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
Pig Iron -						
Basic	1,102,783	70,070	1,172,853	1,233,792	60,849	1,294,641
Foundry	3,658	187,862	191,520	15,899	159,422	175,321
Malleable	...	102,441	102,441	...	123,519	123,519
Total Pig Iron .	1,106,441	360,373	1,466,814	1,249,691	343,790	1,593,481
Ferro-alloys	...	112,702	112,702	...	127,610	127,610

Table 3 - Iron Blast Furnace Charges During August and September, 1948 and Nine Months Ended September, 1948

	August 1948	September 1948	Nine Months Ended September, 1948
	(Net tons of 2,000 pounds)		
Iron ore	342,352	322,520	2,913,571
Mill cinder, scale, sinter, etc.	38,973	44,533	278,200
Limestone	79,946	73,795	671,199
Dolomite	10,213	9,655	85,473
Coke	186,441	178,550	1,565,652
Scrap iron and steel	8,166	6,908	63,464

Table 4 - Iron Blast Furnaces in Canada

Name of Company	Location of Furnaces	Number of stacks	Total Annual Capacity (Net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, N.S.	4	730,000
Canadian Furnace Limited	Port Colborne, Ont.	2	221,760
The Steel Company of Canada, Ltd.	Hamilton, Ont.	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	5	1,035,000
	Total	14	2,743,760

Table 5 - Description of Iron Blast Furnaces at End of September, 1948

Condition of Furnaces	Number of furnaces	Total Annual Capacity	
		Net tons	Per cent
In blast	12	2,554,950	93.1
Banked	...	...	...
Blown out	2	188,810	6.9
Total	14	2,743,760	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production During August and September, 1948

	August			September		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
Steel Ingots						
Open hearth - Basic	204,249	11,923	216,172	198,448	12,618	211,066
Electric	38,190	...	38,190	37,556	...	37,556
Total Steel Ingots ...	242,439	11,923	254,362	236,004	12,618	248,622
Alloy steel ingots included in above	12,454	...	12,454	12,630	...	12,630
Steel Castings						
Open hearth - Basic	208	2,821	3,029	201	2,752	2,953
Converter	3	31	34	6	35	41
Electric	1,184	4,445	5,629	1,450	4,799	6,249
Total Steel Castings .	1,395	7,297	8,692	1,657	7,586	9,243
Alloy steel castings included in above	638	703	1,341	676	966	1,642
TOTAL INGOTS AND CASTINGS	243,834	19,220	263,054	237,661	20,204	257,865

Table 7 - Cumulative Production for the Nine Months Ended September, 1947 and 1948

	1947			1948		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
Steel Ingots						
Open hearth - Basic	1,767,234	43,405	1,810,639	1,888,002	48,406	1,936,408
Electric	308,872	...	308,872	340,482	1,211	341,693
Total Steel Ingots ...	2,076,106	43,405	2,119,511	2,228,484	49,617	2,278,101
Alloy steel ingots included in above	93,030	...	93,030	114,418	...	114,418
Steel Castings						
Open hearth - Basic	1,223	15,165	16,388	1,621	23,623	25,244
Converter	32	187	219	30	348	378
Electric	12,233	35,213	47,446	9,524	48,140	57,664
Total Steel Castings .	13,488	50,565	64,053	11,175	72,111	83,286
Alloy steel castings included in above	4,416	5,012	9,428	4,428	8,466	12,894
TOTAL INGOTS AND CASTINGS	2,089,594	93,970	2,183,564	2,239,659	121,728	2,361,387

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During August and September, 1948, and Nine Months Ended September, 1948

	August 1948	September 1948	Nine Months Ended September, 1948
	(Net tons of 2,000 pounds)		
Pig iron	144,027	137,865	1,253,520
Scrap - Own make	72,374	77,084	691,025
Purchased	72,725	67,686	652,845

Table 9 - Steel Furnace Capacity at End of September, 1948

	Annual Capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,985,000
Electric	505,000
Total Ingots	3,490,000
Steel castings	302,000
Total Ingots and Castings	3,792,000

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1947 and 1948

Month	Pig Iron	Ferro-alloys	Steel		
			Ingots	Castings	Total Steel
	(Net tons of 2,000 pounds)				
1947					
January	177,313	9,644	243,557	6,241	249,798
February	150,632	9,357	223,124	6,098	229,222
March	164,403	14,197	263,193	6,539	269,732
April	160,749	13,015	244,998	7,158	252,156
May	160,230	15,325	235,978	8,098	244,076
June	159,826	16,212	230,581	7,716	238,297
July	157,153	12,402	226,443	5,898	232,341
August	166,878	11,398	226,180	7,574	233,754
September	169,630	11,152	225,457	8,731	234,188
October	163,335	14,691	247,171	9,290	256,461
November	174,147	11,551	246,785	8,587	255,372
December	165,551	10,888	241,065	8,704	249,769
Total	1,969,847	149,832	2,854,532	90,634	2,945,166
1948					
January	160,042	17,125	247,768	8,958	256,726
February	151,123	11,823	230,183	9,463	239,646
March	172,675	14,293	275,349	10,677	286,026
April	170,785	14,474	254,315	9,951	264,266
May	193,305	18,436	279,688	9,879	289,567
June	183,763	13,502	249,710	9,655	259,365
July	187,940	12,939	238,104	6,768	244,872
August	191,383	12,700	254,362	8,692	263,054
September	182,465	12,318	248,622	9,243	257,865
Total Nine Months .	1,593,481	127,610	2,278,101	83,286	2,361,387