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Ottawa - Canada

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Monthly Report

on

PRIMARY IRON AND STEEL IN CANADA

December, 1946

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Shipments of primary shapes by Canadian steel mills totalled 228,981 net tons in December compared with 246,547 net tons in November and 172,580 net tons in October. The December total included 40,749 tons of semi-finished shapes, 9,339 tons of structurals, 16,649 tons of plates, 19,045 tons of rails, 49,572 tons of bars, 5,150 tons of pipes and tubes, 22,301 tons of wire rods, 21,002 tons of black sheets, 6,031 tons of galvanized sheets, 459 tons of tool steel, 5,477 tons of castings, and 33,207 tons of other shapes.

Of the December shipments, 34,533 tons went direct to railways and railway car shops, 9,856 tons to pressing, forming and stamping plants, 19,673 tons to merchant trade products, 20,856 tons to building construction, 13,043 tons to the containers industry, 8,317 tons to agricultural equipment, 9,268 tons to the automotive industry, 11,202 tons to machinery plants, 3,815 tons to shipbuilding, 6,293 tons to mining, lumbering, etc., and 1,795 tons to miscellaneous industries. Wholesalers and warehousing accounted for 21,521 tons, producers' interchange for 55,705 tons, and exports for 13,104 tons.

Table 1 - Production of Pig Iron in Canada, December and Year to Date, 1946

	December	Year to Date
	(Tons of 2,000 pounds)	
Basic	125,046	1,109,230
Foundry	25,035	152,365
Malleable	11,383	142,162
Total	161,464	1,403,757

Table 2 - Production of Steel Ingots and Castings in Canada, December and Year to Date, 1946

	December		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	195,860	3,449	1,850,180	49,778
Electric	29,611	2,397	306,420	47,057
Total Ingots	225,471	5,846	2,156,600	96,835
Steel castings	4,592	1,264	64,933	15,337
Total Ingots and Castings	230,063	7,110	2,221,533	112,172

Table 3 - Production in Canada and Producers' Shipments of Primary Iron and Steel Shapes, December and Year to Date, 1946

	Carbon Steel		Alloy Steel	
	Made	Shipped	Made	Shipped
	(Tons of 2,000 pounds)			
December, 1946				
Billets, etc., for forging	5,969	6,384	484	776
Other semi-finished shapes, not for re-rolling by makers	39,551	33,188	396	401
Structural shapes and piling	8,316	9,339	...	...
Plates	17,486	16,649	...	...
Rails	18,297	19,045	...	...
Tie plates and track material -				
Splice bars	1,029	1,804	...	...
Tie plates	2,837	2,408	...	...
Spikes	1,004	1,286	...	...
Tool steel	480	255	320	204
Hot rolled bars for forging	6,848	7,087	2,367	1,805
Concrete reinforcing bars	5,848	4,984	...	...
Hot rolled bars for cold finishing	1,308	1,244	...	...
Other hot rolled bars	30,419	31,492	3,556	2,960
Pipes and tubes	12,373	5,150	...	...
Wire rods	22,841	22,301	...	...
Hot rolled black sheets	18,941	18,497	...	...
Cold reduced black sheets	2,505	2,505	...	...
Galvanized sheets	6,393	6,031	...	...
Steel castings - Made by ingot makers	1,406	1,341	47	26
Made in other foundries	3,186	2,878	1,217	1,232
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	28,122	27,473	245	236
Total	235,159	221,341	8,632	7,640
Twelve Months Ended December, 1946				
Billets, etc., for forging	56,814	58,600	3,906	4,590
Other semi-finished shapes, not for re-rolling by makers	257,508	255,421	1,756	1,472
Structural shapes and piling	115,603	117,843	...	...
Plates	183,478	180,035	21	...
Rails	296,373	213,774	...	...
Tie plates and track material	61,141	64,125	...	...
Tool steel	3,133	2,582	3,086	2,607
Hot rolled bars for forging	57,371	55,571	20,221	20,917
Concrete reinforcing bars	56,459	53,212	...	...
Hot rolled bars for cold finishing	7,691	7,816	173	77
Other hot rolled bars	327,526	320,964	28,699	26,897
Pipes and tubes	125,223	128,643	...	...
Wire rods	212,483	217,594	154	137
Hot rolled black sheets	136,678	132,193	...	...
Cold reduced black sheets	21,438	21,438	...	...
Galvanized sheets	56,052	56,561	...	...
Steel castings - Made by ingot makers	17,256	16,589	488	449
Made in other foundries	47,210	47,144	15,219	14,353
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	350,651	348,881	1,719	1,681
Total	2,300,088	2,298,986	75,442	73,180

Table 4 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, December and Year to Date, 1946

Industry	December		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	5,318	3,950	47,935	36,064
Agricultural, including farm machinery	8,281	36	86,513	907
Building construction	20,768	88	189,078	757
Containers industry	13,042	1	164,321	78
Machinery and tools	10,549	653	96,493	6,935
Merchant trade products	19,616	57	225,540	1,078
Mining, lumbering, etc.	5,921	372	63,029	6,693
National defence	226	1	2,451	18
Pressing, forming and stamping	9,788	68	86,736	1,047
Public works and utilities	267	30	19,791	549
Railway operating	27,973	311	291,464	2,876
Railway cars and locomotives	6,144	105	115,759	1,712
Shipbuilding	3,798	17	43,787	377
Miscellaneous and unclassified	958	313	17,696	957
Sub-total	132,649	6,002	1,450,593	60,048
Wholesalers and warehouses	21,258	263	259,086	2,912
Producers' interchange	55,269	436	452,299	1,877
Direct export (a) to British Empire	9,497	22	83,718	929
(b) to other countries	2,668	917	53,287	7,414
Total	221,341	7,640	2,298,983	73,180

Note: The above figures include steel castings shipped by all foundries.

Table 5 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1946

Commodity	Country of Origin	December			Year to Date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
		(All figures in net tons of 2,000 pounds)					
Pig Iron -							
Foundry	U.S.A.	569	...	...	8,245	...	...
Malleable	U.S.A.	...	...	...	1,789	...	...
Silvery	U.S.A.	...	...	...	723	...	...
Ingots	U.S.A.	431	...	...	1,732	139	...
Blooms, billets and slabs	U.S.A.	83	61	...	748	335	...
	Sweden	...	...	...	6	...	...
Tube rounds and tube billets (O.H.)	U.S.A.	199	...	...	1,647	...	...
Bars -							
Hot rolled	U.S.A.	7,002	742	5.3	45,972	8,096	65.2
	England	...	...	2.3	359	137	49.2
	Sweden	...	...	...	81	...	9.3
For agricultural implements	U.S.A.	1,135	535	...	13,691	1,028	...
Rounds over 4 7/8", squares over 4".	U.S.A.	109	24	...	1,354	139	.4
	England	...	...	...	197	...	1.4
Angles, channels, etc.	U.S.A.	189	...	.4	3,406	10	10.8
Sash or casement sections	U.S.A.	181	...	...	2,193	...	...
Cold finished	U.S.A.	1,667	58	9.8	14,714	314	115.2
	England	...	...	...	120	...	47.1
For agricultural implements	U.S.A.	755	9	...	4,586	19	...
Tool steel	U.S.A.	8	26	...	163	439	...
	England	30	10	...	241	388	...
	Sweden	52	...	...	52	7	...
Structurals	U.S.A.	8,911	...	3.6	93,098	97	13.5
	England	4	...	...	1,719	...	...

Table 5 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1946 (Continued)

Commodity	Country of Origin	December			Year to Date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
		(All figures in net tons of 2,000 pounds)					
Plates - 78" and under	U.S.A.	3,912	150	4.7	30,081	203	221.2
	England	...	...	...	...	...	4.3
Over 78" and under 100"	U.S.A.	3,183	38	.5	17,658	38	47.9
Over 100"	U.S.A.	244	...	...	3,107	...	11.3
Flanged, dished or curved	U.S.A.	47	...	...	612	...	3.3
Boilers, pulp digesters, etc.	U.S.A.	366	...	15.3	3,071	...	15.3
	England	...	...	...	275	...	...
Chequered or surface pattern	U.S.A.	817	...	...	4,927	1	...
	England	...	...	...	168	...	...
For agricultural implements	U.S.A.	...	...	...	92	...	...
Cold rolled for saws	U.S.A.	...	...	...	1	1	...
Galvanized	U.S.A.	...	...	...	213	...	...
Stainless	England	...	...	...	...	...	5.0
Painted and tar asphaltum	U.S.A.	...	...	...	7	...	...
Sheets - Silicon .075 or more	U.S.A.	...	1,439	...	...	16,290	...
Galvanized	U.S.A.	497	...	...	8,200	...	...
	England	...	...	...	139	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	3,659	17	...	57,189	73	...
Lighter than 18 gauge	U.S.A.	79	1	...	3,134	1	...
	England	...	...	...	497	2	...
For hollow ware (vitreous enamel)	U.S.A.	472	...	...	6,651	...	...
	England	...	...	...	89	...	...
5¢ per lb. and over	U.S.A.	...	...	...	120	3	...
Corrugated	U.S.A.	262	...	...	888	...	...
Coated with paint, asphaltum, etc.	U.S.A.	46	...	...	491	...	...
Shaped for agricultural implements	U.S.A.	22	...	...	1,293	115	...
For saws	U.S.A.	8	82	...	347	776	...
For cold rolled strip	U.S.A.	...	...	...	796	...	...
Stainless	U.S.A.	...	...	9.0	...	...	234.6
	England	...	...	8.0	...	...	150.6
Cold rolled -							
18 gauge and heavier	U.S.A.	209	...	...	10,693	...	...
Lighter than 18 gauge	U.S.A.	1,390	...	...	28,898	...	...
	England	...	...	...	427	...	...
For hollow ware (vitreous enamel)	U.S.A.	73	...	...	1,050	...	...
5¢ per lb. and over	U.S.A.	...	...	...	1	...	...
Black plate (tin mill)	U.S.A.	1,356	...	...	17,387	...	...
For heating apparatus	U.S.A.	...	...	...	597	...	...
Painted with tar asphaltum, etc.	U.S.A.	2	...	...	96	...	...
For agricultural implements	U.S.A.	...	...	...	145	...	...
For saws	Sweden	...	...	...	10	2	...
	U.S.A.	...	1	...	5	9	...
For skelp	U.S.A.	455	...	...	3,661	...	...
Stainless	U.S.A.	...	...	179.1	...	...	1,887.0
	England	...	...	...	...	...	17.8
Black plate - For tinning	U.S.A.	3,373	...	...	42,639	...	...
Tin plate - Primes	U.S.A.	2,607	...	...	37,044	...	...
	England	14	...	...	245	...	...
Seconds	England	...	...	...	45	...	...
Waste Waste	U.S.A.	51	...	...	568	...	...
Electrolytic - Primes (25#)	U.S.A.	1,609	...	...	5,398	...	...
" (50#)	U.S.A.	...	...	...	110	...	...
" (75#)	U.S.A.	391	...	...	3,930	...	...
Waste waste	U.S.A.	...	...	...	325	...	...
Terne plate -							
Long	U.S.A.	321	...	...	4,040	...	...
Short	U.S.A.	40	...	...	11,548	...	...

Table 5 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1946 (Continued)

Commodity	Country of Origin	December			Year to Date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
		(All figures in net tons of 2,000 pounds)					
Strip -							
Hot rolled -							
18 gauge and heavier	U.S.A.	888	...	...	12,412	289	...
	England	...	4	...	44	4	...
	Sweden	...	...	...	2	...	...
Lighter than 18 gauge	U.S.A.	44	...	...	1,734	336	...
	Sweden	...	...	...	12	...	...
For cold rolling	U.S.A.	953	...	...	8,406	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	95	...	...	939	...	...
5¢ per pound and over	U.S.A.	...	...	...	32	14	...
Painted	U.S.A.	421	...	...	4,212	...	...
For saws	U.S.A.	21	28	...	117	292	...
	England	...	...	...	8	...	...
For motor vehicles	U.S.A.	391	...	...	7,518	...	...
For barrel hoops	U.S.A.	291	...	...	1,166	...	...
For pipes and tubes	U.S.A.	...	...	...	15	...	...
Silicon .075 or more	U.S.A.	...	227	...	...	912	...
Stainless	U.S.A.	...	...	1.1	...	...	24.2
	England	...	...	...	...	...	.2
Cold rolled -							
18 gauge and heavier	U.S.A.	195	...	...	2,990	13	...
Lighter than 18 gauge	U.S.A.	545	2	...	5,799	15	...
	Sweden	6	14	...	168	28	...
	England	...	...	...	26	...	...
For barrel hoops	U.S.A.	...	...	...	605	...	...
5¢ per pound and over	U.S.A.	...	...	...	5	...	...
For shoe and corset laces, etc.	U.S.A.	52	...	...	472	...	...
Painted	U.S.A.	33	...	...	346	...	...
For butt hinges	U.S.A.	...	...	...	125	...	...
For saws	U.S.A.	4	8	...	42	131	...
	Sweden	...	5	...	27	96	...
For motor vehicles	U.S.A.	...	...	...	1	...	...
For pipes and tubes	U.S.A.	53	...	...	384	...	...
Stainless	U.S.A.	...	...	106.1	...	...	1,159.7
	England	...	...	...	...	...	3.8
Silicon .075 or more	U.S.A.	...	20	...	...	1,049	...
Galvanized strip	U.S.A.	444	...	...	5,665	...	...
Skelp - Over 14" wide	U.S.A.	...	...	...	4,389	...	...
Under 14" wide	U.S.A.	2,010	...	...	50,686	...	...
Pipes and Tubes -							
Cast	U.S.A.	8	...	...	147	...	1.3
Boiler and pulp mill digesters, etc.	U.S.A.	1,319	7	.9	12,795	160	5.7
	England	...	...	...	35	...	...
Bedstead	U.S.A.	44	...	...	510	...	...
	England	...	...	...	1	...	...
Seamless	U.S.A.	548	52	14.0	6,244	345	136.9
	England	10	...	4.3	202	67	29.9
Wrought -							
More than 10½" diameter	U.S.A.	15	...	...	4,460	...	...
Under 10½" diameter	U.S.A.	528	1	1.1	11,196	25	23.4
	England	26	...	...	27	...	...
Stainless	U.S.A.	...	...	...	...	...	5.2
Invasion tubing	U.S.A.	236	...	...	1,063	...	...
Tubing -							
Not over ⅞" diameter	U.S.A.	9	...	...	66	...	...
Casing	U.S.A.	118	...	...	2,731	...	...
Fittings and couplings	U.S.A.	141	...	.5	1,710	...	6.1

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Table 5 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1946 (Concluded)

Commodity	Country of Origin	December			Year to Date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
		(All figures in net tons of 2,000 pounds)					
Wire rope	U.S.A.	3	...	.2	333	...	1.9
	England	...	...	...	37	...	...
Wire -							
For wire rope	U.S.A.	1,363	...	.4	8,333	...	8.9
	England	62	...	...	2,507	...	.2
For fencing	U.S.A.	82	...	...	681	...	...
For corset laces, steels and stays	U.S.A.	15	...	...	175	...	...
	England	1	...	...	3	...	...
For wire spring mattress, etc.	U.S.A.	10	...	...	445	...	...
	England	...	...	...	13	...	...
Netting	U.S.A.	38	...	.1	915	...	.2
	England	23	...	...	283	...	...
Coated	U.S.A.	145	...	...	657	...	...
All other	U.S.A.	519	...	1.9	4,835	19	10.8
	England	...	...	...	21	...	...
Stainless	U.S.A.	...	...	...	...	...	.9
Wire rods	U.S.A.	89	...	...	1,053	...	1.0
Welding rods	U.S.A.	270	65	1.9	531	162	45.4
	England	...	...	...	...	...	.1
Castings -							
For agricultural implements	U.S.A.	163	...	...	1,443	...	...
For ingot moulds	U.S.A.	2,945	...	...	15,618	...	...
Malleable	U.S.A.	43	...	...	935	...	...
	England	...	...	...	4	...	...
Non-malleable	U.S.A.	62	...	...	1,960	...	...
	England	49	...	...	49	...	...
Steel	U.S.A.	114	11	...	843	94	8.6
For railway vehicles	U.S.A.	139	...	...	1,351	...	...
Semi-finished piston	U.S.A.	8	...	...	78	...	...
Rolls	U.S.A.	14	76	...	1,460	751	...
	England	...	...	...	2	...	...
Stainless	U.S.A.	...	...	...	...	...	10.5
Forgings	England	...	...	...	37	156	...
	U.S.A.	28	17	...	1,293	293	1.3
Wheels -							
Cast iron	U.S.A.	295	...	...	1,301	...	...
	England	...	...	...	1,024	...	...
Pressed	England	...	...	...	621	...	...
	U.S.A.	30	...	...	153	...	...
Tires -							
Steel	U.S.A.	246	...	...	6,627	...	...
	England	...	...	...	1,329	64	...
Axles -							
For railway vehicles	U.S.A.	...	...	...	382	...	...
For all vehicles other than railways	U.S.A.	...	...	...	381	...	...
Rails -							
60 pounds and under	U.S.A.	...	...	...	399	...	...
Over 60 pounds and under 100 pounds	U.S.A.	175	...	...	1,893	...	...
Over 100 pounds	U.S.A.	...	...	...	118	...	...
Grooved - electric tramways	U.S.A.	...	...	...	1,483	...	...
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	188	...	...	2,013	...	...
Intersections, switches, frogs	U.S.A.	...	...	...	47	...	...