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Published by Authority of the HON. JAMES A. MacKINNON, M.P.
Minister of Trade and Commerce

MC28-20-11-46
Price - 10 cents

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
MINING, METALLURGICAL AND CHEMICAL STATISTICS
OTTAWA - CANADA

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DOMINION BUREAU OF STATISTICS
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MONTHLY REPORT

on

PRIMARY IRON AND STEEL IN CANADA

SEPTEMBER, 1946

Shipments of primary shapes by Canadian steel mills totalled 72,070 net tons in September compared with 65,824 net tons in August and 126,763 net tons in July. The September total included 2,815 tons of semi-finished shapes, 1,085 tons of structurals, 3,184 tons of plates, 21,948 tons of bars, 9,109 tons of pipes and tubes, 2,480 tons of wire rods, 1,586 tons of black sheets, 206 tons of galvanized sheets, 465 tons of tool steel, 5,572 tons of castings, and 23,620 tons of other shapes.

Of the September shipments, 7,219 tons went direct to railways and railway car shops, 4,166 tons to pressing, forming and stamping plants, 5,047 tons to merchant trade products, 7,178 tons to building construction, 8,489 tons to the containers industry, 1,877 tons to agricultural equipment, 1,979 tons to the automotive industry, 5,378 tons to machinery plants, 367 tons to shipbuilding, 2,817 tons to mining, lumbering, etc., and 2,272 tons to miscellaneous industries. Wholesalers and warehousing accounted for 12,973 tons, producers' interchange for 10,929 tons, and exports for 1,379 tons.

Table 1 - PRODUCTION OF PIG IRON IN CANADA, SEPTEMBER, AND YEAR TO DATE, 1946

	September	Year to Date
	(Tons of 2,000 pounds)	
Basic	31,900	825,533
Foundry	...	103,307
Malleable	13,178	103,226
TOTAL	45,078	1,032,066

Table 2 - PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA, SEPTEMBER, AND YEAR TO DATE, 1946

	September		Year to Date	
	Carbon	Alloy	Carbon	Alloy
	(Tons of 2,000 pounds)			
Steel ingots - Open hearth	46,240	...	1,389,468	40,012
Electric	20,714	4,408	220,475	37,664
Total Ingots	66,954	4,408	1,609,943	77,676
Steel castings	3,948	1,274	51,346	11,142
TOTAL INGOTS AND CASTINGS	70,902	5,682	1,661,289	88,818

Table 3 - PRODUCTION IN CANADA AND PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, SEPTEMBER, AND YEAR TO DATE, 1946

	Carbon Steel		Alloy Steel	
	Made	Shipped	Made	Shipped
	(Tons of 2,000 pounds)			
September, 1946				
Billets, etc., for forging	2,644	2,644	106	106
Other semi-finished shapes, not for re-rolling by makers	223	47	60	18
Structural shapes and piling	1,065	1,085	...	...
Plates	4,344	3,184	...	...
Rails	...	...	...	...
Tie plates and track material -				
Splice bars	...	...	...	...
Tie plates	...	...	...	...
Spikes	...	...	...	...
Tool steel	225	216	311	249
Hot rolled bars for forging	2,441	3,117	352	...
Concrete reinforcing bars	6,483	5,906	...	...
Hot rolled bars for cold finishing	...	...	...	...
Other hot rolled bars	11,584	10,970	2,044	1,955
Pipes and tubes	6,098	9,109	...	...
Wire rods	2,669	2,480	...	...
Hot rolled black sheets	124	64	...	...
Cold reduced black sheets	1,522	1,522	...	...
Galvanized sheets	...	206	...	...
Steel castings - Made by ingot makers	819	879	27	83
Made in other foundries	3,129	3,225	1,247	1,285
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	23,699	23,497	125	123
TOTAL	67,069	68,251	4,272	3,819
Nine Months Ended September, 1946				
Billets, etc., for forging	38,722	40,061	2,292	2,712
Other semi-finished shapes, not for re-rolling by makers	176,334	187,234	877	664
Structural shapes and piling	83,470	85,918	...	...
Plates	138,131	123,925	21	...
Rails	169,700	166,191	...	...
Tie plates and track material	46,073	49,039	...	...
Tool steel	1,960	1,869	1,972	1,831
Hot rolled bars for forging	38,745	37,451	14,763	13,565
Concrete reinforcing bars	40,977	38,357	...	...
Hot rolled bars for cold finishing	5,805	5,984	173	77
Other hot rolled bars	236,643	227,822	19,332	18,424
Pipes and tubes	89,575	102,259	...	...
Wire rods	153,386	155,106	103	83
Hot rolled black sheets	90,530	88,988	...	...
Cold reduced black sheets	14,751	14,751	...	...
Galvanized sheets	42,360	42,525	...	...
Steel castings - Made by ingot makers	26,509	26,716	7,009	6,375
Made in other foundries	24,350	22,855	4,503	4,412
All other shapes, including tin plate, tin mill black plate, cold finished bars and strips, etc.	262,900	259,591	1,175	1,147
TOTAL	1,680,921	1,676,642	52,220	49,290

Table 4 - PRODUCERS' SHIPMENTS OF PRIMARY IRON AND STEEL SHAPES, SUBDIVIDED ACCORDING TO PRINCIPAL CONSUMING INDUSTRIES, SEPTEMBER, AND YEAR TO DATE, 1946

Industry	September		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	1,046	935	33,149	23,746
Agricultural, including farm machinery	1,864	13	63,290	766
Building construction	7,129	49	120,475	516
Containers industry	8,485	4	120,725	65
Machinery and tools	4,790	588	64,197	4,865
Merchant trade products	5,025	22	161,593	406
Mining, lumbering, etc.	2,154	663	44,603	4,911
National defence	207	3	1,953	12
Pressing, forming and stamping	4,084	82	60,290	782
Public works and utilities	1,423	62	17,250	417
Railway operating	3,915	328	228,111	2,092
Railway cars and locomotives	2,947	29	96,500	1,569
Shipbuilding	331	36	32,252	305
Miscellaneous and unclassified	509	68	14,896	513
Sub-total	43,909	2,880	1,059,284	40,965
Wholesalers and warehouses	12,810	163	190,915	1,910
Producers' interchange	10,895	34	320,303	1,065
Direct export (a) to British Empire	236	105	68,487	700
(b) to other countries	401	637	37,650	4,650
TOTAL	68,251	3,819	1,676,639	49,290

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

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, SEPTEMBER, AND YEAR TO DATE, 1946

Commodity	Country of Origin	September			Year to Date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
		(All figures in net tons of 2,000 pounds)					
Pig Iron -							
Foundry	U.S.A.	647	...	...	6,207	...	...
Malleable	U.S.A.	...	...	...	1,789	...	...
Silvery	U.S.A.	96	...	...	674	...	...
Ingots	U.S.A.	75	139	...	959	139	...
Blooms, billets and slabs	U.S.A.	5	...	...	425	7	...
	Sweden	...	...	...	6	...	...
Tube rounds and tube billets (O.H.)	U.S.A.	536	...	...	1,018	...	...
Bars -							
Hot rolled	U.S.A.	5,238	1,549	3.1	28,071	5,613	53.2
	England	13	...	4.8	316	40	31.5
	Sweden	2	...	...	81	...	9.3
For agricultural implements	U.S.A.	2,321	143	...	9,541	144	...
Rounds over 4 7/8", squares over 4"	U.S.A.	229	7	.2	1,125	92	.2
	England	...	...	...	193	...	1.2
Angles, channels, etc.	U.S.A.	365	...	2.1	2,558	10	4.2
Sash or casement sections	U.S.A.	90	...	...	1,539	...	...
Cold finished	U.S.A.	1,980	6	9.5	8,820	207	79.5
	England	2	...	...	74	...	15.4
Cold finished for agricultural implements	U.S.A.	480	9	...	2,259	9	...
Tool steel	U.S.A.	12	32	...	119	351	...
	England	14	14	...	154	326	...
	Sweden	...	...	...	...	7	...
Structurals	U.S.A.	11,139	45	...	57,717	97	...
	England	10	...	...	1,434	...	...

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, SEPTEMBER, AND YEAR TO DATE, 1946 (Continued)

Commodity	Country of Origin	September			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.	2,880	6	21.3	20,130	50	168.8
	England	...	...	.4	...	...	3.6
Over 78" and under 100"	U.S.A.	919	...	5.2	9,509	...	24.3
Over 100"	U.S.A.	346	...	...	2,223	...	9.4
Flanged, dished or curved	U.S.A.	36	...	...	200	...	...
Boilers, pulp digesters, etc.	U.S.A.	512	...	...	1,934	...	...
Chequered, or surface pattern	U.S.A.	423	...	...	2,965	1	...
	England	...	...	...	168	...	...
For agricultural implements	U.S.A.	...	...	...	92	...	...
Cold rolled for saws	U.S.A.	1	...	...	1	1	...
Galvanized	U.S.A.	23	...	...	213	...	...
Stainless	England	...	...	...	...	...	5.0
Painted and tar asphaltum	U.S.A.	3	...	...	3	...	...
Sheets - Silicon .075 or more	U.S.A.	...	1,313	...	...	11,906	...
Galvanized	U.S.A.	1,104	...	...	5,769	...	...
	England	33	...	...	139	...	...
Hot rolled -							
18 gauge and heavier	U.S.A.	5,333	1	...	43,300	54	...
Lighter than 18 gauge	U.S.A.	84	...	...	2,352	...	...
	England	...	...	...	497	2	...
For hollow ware (vitreous enamel)	U.S.A.	438	...	...	4,811	...	...
	England	...	...	...	89	...	...
5¢ per pound and over	U.S.A.	4	...	...	50	3	...
Corrugated	U.S.A.	74	...	...	324	...	...
Coated with paint, asphaltum, vitreous enamel, etc.	U.S.A.	90	...	...	225	...	...
Shaped for agricultural implements	U.S.A.	94	...	...	1,006	115	...
For saws	U.S.A.	40	42	...	295	574	...
For cold rolled strip	U.S.A.	233	...	...	689	...	...
Stainless	U.S.A.	...	...	20.2	...	...	153.4
	England	...	...	10.4	...	...	88.4
Cold rolled -							
18 gauge and heavier	U.S.A.	982	...	...	8,748	...	...
Lighter than 18 gauge	U.S.A.	2,419	...	...	22,412	...	...
	England	...	...	...	261	...	...
For hollow ware (vitreous enamel)	U.S.A.	40	...	...	849	...	...
5¢ per pound and over	U.S.A.	...	...	...	1	...	...
Black plate (tin mill)	U.S.A.	844	...	...	12,127	...	...
For heating apparatus	U.S.A.	51	...	...	172	...	...
For saws	U.S.A.	...	...	...	4	4	...
	Sweden	...	...	...	4	2	...
For skelp	U.S.A.	247	...	...	2,326	...	...
Stainless	U.S.A.	...	...	161.3	...	...	1,228.1
	England	...	...	...	...	...	16.8
Black plate - For tinning	U.S.A.	156	...	...	33,688	...	...
Tin plate - Primes	U.S.A.	6,090	...	...	26,286	...	...
	England	51	...	...	215	...	...
Seconds	England	8	...	...	45	...	...
Waste waste	U.S.A.	...	...	...	232	...	...
Electrolytic - Primes (25#)	U.S.A.	638	...	...	762	...	...
" (50#)	U.S.A.	...	...	...	110	...	...
" (75#)	U.S.A.	...	...	...	3	...	...
Waste waste	U.S.A.	...	...	...	226	...	...
Terne plate -							
Long	U.S.A.	354	...	...	2,883	...	...
Short	U.S.A.	240	...	...	11,445	...	...

Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, SEPTEMBER, AND YEAR TO DATE, 1946 (Continued)

Commodity	Country of Origin	September			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.	1,559	...	...	9,213	255	...
	England	...	...	...	41	...	...
	Sweden	...	...	...	2	...	...
Lighter than 18 gauge	U.S.A.	155	...	...	1,511	332	...
	Sweden	...	...	...	12	...	...
For cold rolling	U.S.A.	799	...	...	5,849	...	...
For shoe and corset laces, buckles, ball bearings, etc.	U.S.A.	64	...	...	713	...	...
5¢ per pound and over	U.S.A.	2	...	...	30	14	...
Painted	U.S.A.	477	...	...	2,893	...	...
For saws	U.S.A.	37	39	...	89	190	...
For motor vehicles	U.S.A.	524	...	...	4,972	...	...
For barrel hoops	U.S.A.	116	...	...	555	...	...
Silicon .075 or more	U.S.A.	...	27	...	...	594	...
Stainless	U.S.A.	...	...	1.3	...	...	20.5
	England	...	...	...	...	...	.2
Cold rolled -							
18 gauge and heavier	U.S.A.	333	1	...	2,285	2	...
Lighter than 18 gauge	U.S.A.	499	1	...	4,126	12	...
	Sweden	23	...	...	139	7	...
	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.	53	...	...	326	...	...
Painted	U.S.A.	26	...	...	239	...	...
For butt hinges	U.S.A.	...	...	...	116	...	...
For saws	U.S.A.	3	19	...	36	106	...
	Sweden	...	13	...	26	74	...
For motor vehicles	U.S.A.	...	...	...	1	...	...
For pipes and tubes	U.S.A.	...	...	...	316	...	...
Stainless	U.S.A.	...	...	90.6	...	...	880.5
	England	...	...	1.0	...	...	3.4
Silicon .075 or over	U.S.A.	...	127	...	...	956	...
Galvanized strip	U.S.A.	415	...	...	3,873	...	...
Skelp - Over 14" wide	U.S.A.	375	...	...	4,216	...	...
Under 14" wide	U.S.A.	3,546	...	...	34,901	...	...
Pipe -							
Cast	U.S.A.	44	...	...	99	...	1.3
Boiler and pulp mill digesters	U.S.A.	1,192	23	...	9,055	140	4.8
Bedstead	U.S.A.	57	...	...	401	...	...
	England	...	...	...	1	...	...
Seamless	U.S.A.	453	101	9.3	4,379	205	84.7
	England	18	3	1.6	166	67	19.4
Wrought -							
More than 10½" diameter	U.S.A.	453	...	...	4,187	...	...
Under 10½" diameter	U.S.A.	1,110	...	1.4	9,083	24	18.4
	England	...	...	...	1	...	...
Stainless	U.S.A.	...	...	...	...	...	5.2
Tubing -							
Not over ½" diameter	U.S.A.	4	...	...	53	...	...
Casing	U.S.A.	...	...	...	2,181	...	...
Fittings and couplings	U.S.A.	118	...	.4	1,219	...	5.1

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Table 5 - IMPORTS OF PRIMARY FORMS OF IRON AND STEEL, SEPTEMBER, AND YEAR TO DATE, 1946 (Concluded)

Commodity	Country of Origin	September			Year to Date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
		(All figures in net tons of 2,000 pounds)					
Wire rope	U.S.A.	9	...	...	210	...	1.7
	England	...	...	...	37	...	...
Wire -							
For wire rope	U.S.A.	430	...	1.4	5,051	...	8.5
	England	80	...	...	2,190	...	.2
For fencing	U.S.A.	85	...	...	599	...	...
For corset laces, steels and stays	U.S.A.	9	...	...	123	...	...
	England	...	...	...	2	...	...
For wire springs, mattress, etc.	U.S.A.	114	...	...	372	...	...
	England	...	...	...	11	...	...
Netting	U.S.A.	61	...	...	676	...	.1
	England	25	...	...	193	...	...
Coated	U.S.A.	59	...	...	325	...	...
All other	U.S.A.	960	4	.7	2,648	18	6.5
	England	...	...	...	3	...	...
Stainless	U.S.A.	...	...	...	...	...	.9
Wire rods	U.S.A.	30	...	...	863	...	1.0
Welding rods	U.S.A.	23	28	1.9	163	67	32.8
	England	...	...	...	...	...	.1
Castings -							
For agricultural implements	U.S.A.	54	...	...	1,052	...	...
For ingot moulds	U.S.A.	950	...	...	8,897	...	...
Malleable	U.S.A.	135	...	...	756	...	...
	England	...	...	...	4	...	...
Non-malleable	U.S.A.	71	...	...	1,713	...	...
Steel	U.S.A.	36	2	2.0	413	54	8.6
For railway vehicles	U.S.A.	75	...	...	945	...	...
Semi-finished piston	U.S.A.	...	...	...	69	...	...
Rolls	U.S.A.	...	34	...	1,221	607	...
	England	...	...	...	2	...	...
Stainless	U.S.A.	...	...	...	...	...	10.5
Forgings	England	...	33	...	1	122	...
	U.S.A.	16	15	...	1,037	170	1.3
Wheels -							
Cast iron	U.S.A.	210	...	...	914	...	...
	England	...	...	...	604	...	...
Pressed	England	...	...	...	621	...	...
	U.S.A.	12	...	...	78	...	...
Tires -							
Steel	U.S.A.	277	...	...	6,001	...	...
	England	414	...	...	1,207	64	...
Axles -							
For railway vehicles	U.S.A.	50	...	...	373	...	...
For all vehicles other than railways	U.S.A.	2	...	...	381	...	...
Rails -							
60 pounds and under	U.S.A.	11	...	...	74	...	...
Over 60 pounds and under 100 pounds	U.S.A.	27	...	...	1,475	...	...
Over 100 pounds	U.S.A.	...	...	...	116	...	...
Grooved - electric tramways	U.S.A.	204	...	...	1,483	...	...
Track material -							
Angle bars, tie plates, rail joints	U.S.A.	73	...	...	1,557	...	...
Intersections, switches, frogs	U.S.A.	5	...	...	29	...	...

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