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SUMMARY OF CANAL STATISTICS

DECEMBER 1964

The total volume of freight cleared through the Canadian canals during December declined 24.5 per cent, to 2,194,145 tons from 2,906,961 tons in December 1963. Navigation on the Sault Ste. Marie Canal was officially closed on December 12; on the Welland Canal, December 15; and on the St. Lawrence Canals, November 30. The last vessel downbound on the St. Lawrence, however, passed through on December 7.

St. Lawrence Canals: Due to the early closing of navigation, the total tonnage of freight moved through the St. Lawrence Canals decreased to 441,547 tons from 1,003,452 tons moved in December last year. The number of vessel passages decreased to 129 from 287, while the registered net tonnage of these vessels dropped to 352,075 tons from 902,839 tons in the same period in 1963.

Welland Canal: The volume of freight transported through the Welland Canal in December decreased to 1,611,875 tons from 1,833,137 tons last year. Upbound traffic totalled 345,323 tons compared to 271,065 tons, while downbound freight declined to 1,266,552 tons from 1,562,072 tons. During the month 259 vessels with a registered net tonnage of 1,121,598 tons were cleared through the Canal, compared with 323 vessels of 1,519,675 tons in the corresponding month last year.

Sault St. Marie Canals - Canadian and United States Locks: The total volume of freight transported through the combined system increased 11.9 per cent, to 2,736,176 tons from 2,444,179 tons in December last year. Traffic through the Canadian lock totalled 40,614 tons in December 1964. Due to major repairs, traffic through the Canadian lock was nil in December 1963. Vessel passages through the combined system increased to 531 from 474 in the corresponding month last year.

April to December 1964: During the 1964 season, which extended from April to December, the total amount of freight cleared through all Canadian canals increased 25.2 per cent, to 93,255,806 tons from 74,506,371 tons moved in 1963. Freight traffic through the St. Lawrence Canals increased 26.5 per cent, to 39,428,730 tons from 31,160,727 tons moved in 1963, while traffic through the Welland Canal was up 24.7 per cent, to 51,426,984 tons from 41,249,575 tons. These tonnages are new records for both canals. These are preliminary figures, however, which are subject to revision in the annual Canal Statistics publication for 1964.

Transportation Section
Public Finance and Transportation Division

January 1965
8504-517

TABLE 1. Vessel Passages, Registered Net Tonnage, and Tonnage of Freight for All Canals

Canal	December 1964			1963	Cumulative	Cumulative
	Number of vessel passages	Registered net tonnage of vessels	Tonnage of freight	Tonnage of freight	Tonnage of freight 1964	Tonnage of freight 1963
St. Peter's Canal	6	295	1	2	481	547
Canso Canal	83	122,220	100,108	69,994	1,345,287	1,204,536
Richelieu River Canals	-	-	-	-	92,138	68,544
St. Lawrence Canals	129	352,075	441,547	1,003,452	39,428,730	31,160,727
Ottawa River Canals	-	-	-	376	12,681	8,031
Rideau Canal	-	-	-	-	-	-
Murray Canal	-	-	-	-	-	-
Trent Canal	-	-	-	-	64	60
Welland Canal	259	1,121,598	1,611,875	1,833,137	51,426,984	41,249,575
Sault Ste. Marie Canal - Can. lock ..	62	113,500	40,614	-	946,434	810,537
St. Andrew's Canal	-	-	-	-	3,007	3,814
Totals	539	1,709,688	2,194,145	2,906,961	93,255,806	74,506,371
Sault Ste. Marie Canal - U.S. locks	469	..	2,695,562	2,444,179	93,917,029	85,251,296

.. Figures not available.

TABLE 2. Tonnages of Freight Transported through the St. Lawrence Canals, by Commodity, by Direction, and by Type of Cargo, December 1964

Commodity	Upbound(l)		Downbound(l)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations	-	-	-	1,711	-	1,711	1,711
Fish and marine animals	-	-	-	-	-	-	-
Butter	-	-	-	-	-	-	-
Milk powder	-	-	-	8,967	-	8,967	8,967
Barley	-	-	21,090	-	21,090	-	21,090
Corn	-	-	60,527	-	60,527	-	60,527
Oats	-	-	10,072	-	10,072	-	10,072
Rye	-	-	-	-	-	-	-
Wheat	-	-	45,310	-	45,310	-	45,310
Corn meal	-	-	5,236	-	5,236	-	5,236
Malt	-	-	-	-	-	-	-
Flour, wheat	-	-	8,895	-	8,895	-	8,895
Fruits and fruit preparations	-	-	-	895	-	895	895
Beans and peas, dried	-	-	4,752	-	4,752	-	4,752
Sugar, raw	-	-	-	-	-	-	-
Molasses, crude and refined	-	-	-	-	-	-	-
Lard	-	-	336	464	336	464	800
Soyabean oil cake and meal	-	-	3,433	-	3,433	-	3,433
Feeds of vegetable origin	-	-	-	-	-	-	-
Feeds of animal origin	-	-	-	28	-	28	28
Ale, beer, stout and porter	-	-	-	21	-	21	21
Wines	-	-	-	30	-	30	30
Distilled alcoholic beverages	-	-	-	-	-	-	-
Raw hides and skins	-	-	-	9,849	-	9,849	9,849
Flaxseed	-	-	-	-	-	-	-
Soyabeans	-	-	2,248	-	2,248	-	2,248
Rubber, natural	-	-	-	-	-	-	-
Logs and round timber	-	-	461	100	461	100	561
Pulpwood	-	-	-	-	-	-	-
Aluminum ore and concentrates	-	-	-	-	-	-	-
Iron ore	146,806	-	-	-	146,806	-	146,806
Iron and steel scrap	-	-	-	-	-	-	-
Non-ferrous metal scrap	-	-	-	1,217	-	1,217	1,217
Coal, bituminous	-	-	3,620	-	3,620	-	3,620
Petroleum, crude	-	-	-	-	-	-	-
Bentonite	-	-	8,470	-	8,470	-	8,470
Stone, crushed and broken	-	-	-	-	-	-	-
Gypsum	-	-	-	-	-	-	-
Phosphate rock	-	-	-	-	-	-	-
Salt	-	-	-	-	-	-	-
Sulphur	4,006	-	-	-	4,006	-	4,006
Wood fabricated materials	-	-	-	133	-	133	133
Woodpulp	-	-	-	-	-	-	-
Newsprint paper	-	12,388	-	-	-	12,388	12,388
Cordage, twine and rope	-	-	-	2	-	-	2

See note at end of table.

TABLE 2. Tonnages of Freight Transported through the St. Lawrence Canals, by Commodity, by Direction, and by Type of Cargo, December 1964 - Concluded

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Animal oils and fats (ex. marine) ...	-	-	4,004	-	4,004	-	4,004
Soyabean oil	-	-	569	-	569	-	569
Fertilizers	-	-	-	-	-	-	-
Rubber, synthetic and reclaimed	-	-	-	-	-	-	-
Chemical products	-	-	-	8,396	-	8,396	8,396
Gasoline	2,772	-	-	-	2,772	-	2,772
Fuel oil	3,137	-	7,599	-	10,736	-	10,736
Lubricating oils and greases	-	-	-	73	-	73	73
Coke	-	-	198	-	198	-	198
Tar, pitch and creosote	-	-	-	-	-	-	-
Ferro-alloys	-	-	-	-	-	-	-
Pig iron	-	-	-	-	-	-	-
Iron and steel - Ingot, bar and rod	-	-	-	993	-	993	993
Steel - Plate, sheet and strip	-	-	-	6,702	-	6,702	6,702
Structural shapes and sheet piling ..	-	-	-	133	-	133	133
Iron and steel - Pipes and fittings ..	-	-	-	59	-	59	59
Wire and wire rope	-	-	-	3	-	3	3
Aluminum - Bar, ingot, pig and slab ..	-	-	-	229	-	229	229
Glass - Plate, sheet and structural ..	-	-	-	-	-	-	-
Machinery, equipment and parts	-	-	103	4,523	103	4,523	4,626
Motor vehicles and parts	-	-	-	6,811	-	6,811	6,811
Domestic package freight	5,109	-	13,896	-	19,005	-	19,005
Total freight carried	162,038	12,388	207,989	59,132	370,027	71,520	441,547(2)

(1) In previous years upbound was referred to as westbound, and downbound was referred to as eastbound.
 (2) Includes 11,197 tons of non-toll traffic using only the Lachine canal.

TABLE 3. Tonnages of Freight Transported through the Welland Canal, by Commodity, by Direction, and by Type of Cargo, December 1964

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations	-	-	-	1,558	-	1,558	1,558
Fish and marine animals	-	-	-	-	-	-	-
Butter	-	-	-	-	-	-	-
Milk powder	-	-	-	11,848	-	11,848	11,848
Barley	-	-	83,708	-	83,708	-	83,708
Corn	-	-	86,804	-	86,804	-	86,804
Oats	-	-	19,287	-	19,287	-	19,287
Rye	-	-	-	-	-	-	-
Wheat	-	-	532,247	-	532,247	-	532,247
Corn meal	-	-	6,540	-	6,540	-	6,540
Malt	-	-	-	-	-	-	-
Flour, wheat	-	-	13,635	-	13,635	-	13,635
Fruits and fruit preparations	-	-	-	695	-	695	695
Beans and peas, dried	-	-	39,206	-	39,206	-	39,206
Sugar, raw	-	-	-	-	-	-	-
Molasses, crude and refined	-	-	-	-	-	-	-
Lard	-	-	336	464	336	464	800
Soyabean oil cake and meal	-	-	2,505	-	2,505	-	2,505
Feeds of vegetable origin	-	-	-	-	-	-	-
Feeds of animal origin	-	-	-	28	-	28	28
Ale, beer, stout and porter	-	-	-	21	-	21	21
Wines	-	-	-	29	-	29	29
Distilled alcoholic beverages	-	-	-	-	-	-	-
Raw hides and skins	-	-	-	7,680	-	7,680	7,680
Flaxseed	-	-	5,259	-	5,259	-	5,259
Soyabeans	-	-	120,717	-	120,717	-	120,717
Rubber, natural	-	-	-	-	-	-	-
Logs and round timber	-	-	387	13	387	13	400
Pulpwood	-	-	-	-	-	-	-
Aluminum ore and concentrates	-	-	-	-	-	-	-
Iron ore	213,195	-	48,886	-	262,081	-	262,081
Iron and steel scrap	-	-	14,757	-	14,757	-	14,757
Non-ferrous metal scrap	-	-	-	303	-	303	303
Coal, bituminous	-	-	152,193	-	152,193	-	152,193
Bentonite	-	-	8,470	-	8,470	-	8,470
Sand and gravel	5,545	-	1,871	-	7,416	-	7,416

See note at end of table.

TABLE 3. Tonnes of Freight Transported through the Welland Canal, by Commodity, by Direction, and by Type of Cargo, December 1964 - Concluded

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
tons							
Stone, crushed and broken	55,914	-	-	-	55,914	-	55,914
Salt	-	-	5,600	-	5,600	-	5,600
Sulphur	4,006	-	-	-	4,006	-	4,006
Wood fabricated materials	-	-	-	54	-	54	54
Woodpulp	-	-	-	-	-	-	-
Newsprint paper	-	14,826	-	-	-	14,826	14,826
Cordage, twine and rope	-	-	-	-	-	-	-
Animal oils and fats (Ex. marine) ...	-	-	4,004	-	4,004	-	4,004
Soyabean oil	-	-	569	-	569	-	569
Sodium products	-	-	-	982	-	982	982
Rubber, synthetic and reclaimed	-	-	-	-	-	-	-
Chemical products	3,409	-	10,277	4,920	13,686	4,920	18,606
Gasoline	4,280	-	-	-	4,280	-	4,280
Fuel oil	13,265	-	41,840	-	55,105	-	55,105
Lubricating oils and greases	-	-	-	73	-	73	73
Coke	-	-	198	-	198	-	198
Tar, pitch and creosote	-	-	-	-	-	-	-
Ferro-alloys	-	-	-	-	-	-	-
Pig iron	-	-	-	-	-	-	-
Iron and steel - Ingot, bar and rod	-	-	-	163	-	163	163
Steel - Plate, sheet and strip	-	-	-	2,411	-	2,411	2,411
Structural shapes and sheet piling	-	-	-	12	-	12	12
Iron and steel - Pipes and fittings	-	-	-	29	-	29	29
Wire and wire rope	-	-	-	3	-	3	3
Aluminum - Bar, ingot, pig and slab	-	-	-	33	-	33	33
Glass - Plate, sheet and structural	-	-	-	-	-	-	-
Cement	-	-	10,183	-	10,183	-	10,183
Machinery, equipment and parts	-	-	-	4,171	-	4,171	4,171
Motor vehicles and parts	-	-	-	6,436	-	6,436	6,436
Domestic package freight	6,843	-	2,735	-	9,578	-	9,578
Total freight carried	330,497	14,826	1,219,406	47,146	1,549,903	61,972	1,611,875

(1) In previous years upbound was referred to as westbound, and downbound was referred to as eastbound.

TABLE 4. Tonnes of Freight Transported through the Sault Ste. Marie Canals, by Commodity and by Direction, December 1964

Commodity	Upbound(1)		Downbound(1)		Total	
	Canadian lock	Canadian and U.S. locks	Canadian lock	Canadian and U.S. locks	Canadian lock	Canadian and U.S. locks
tons						
Barley	-	-	13,821	101,777	13,821	101,777
Corn	-	-	-	-	-	-
Oats	-	-	-	44,295	-	44,295
Rye	-	-	-	-	-	-
Wheat	-	9,030	-	1,097,059	-	1,106,089
Flour, wheat	-	-	-	3,266	-	3,266
Cereals, milled, n.e.s.	-	-	1,863	83,691	1,863	83,691
Flaxseed	-	-	-	-	-	-
Pulpwood, lumber and logs	-	-	-	-	-	-
Iron ore	-	-	-	1,174,824	-	1,174,824
Iron and steel scrap	-	-	-	8,999	-	8,999
Coal, anthracite	-	-	-	-	-	-
Coal, bituminous	-	87,907	-	-	-	87,907
Sand, gravel and stone	-	22,596	1,000	1,000	1,000	23,596
Non-metallic minerals, mfrs	-	16,754	-	-	-	16,754
Paper and woodpulp	-	-	2,172	18,083	2,172	18,083
Gasoline	3,301	3,301	-	-	3,301	3,301
Fuel oil	5,167	15,537	-	-	5,167	15,537
Coke	-	-	-	-	-	-
Other petroleum products	-	-	-	-	-	-
Pig iron	-	-	-	-	-	-
Iron and steel, manufactured	-	3,300	7,432	17,255	7,432	20,555
Cement	-	10,610	-	-	-	10,610
Motor vehicles	-	20	-	-	-	20
Miscellaneous freight	39	11,053	3,048	3,048	3,087	14,101
Domestic package freight	1,270	1,270	1,501	1,501	2,771	2,771
Total freight carried	9,777	181,378	30,837	2,554,798	40,614	2,736,176

(1) In previous years upbound was referred to as westbound, and downbound was referred to as eastbound.