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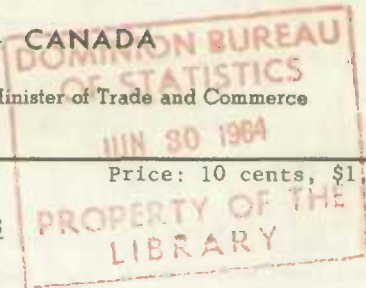
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SUMMARY OF CANAL STATISTICS

APRIL 1964

Commencing with this publication, several changes will be evident in the presentation of monthly canal statistics:

1. The canals have been listed in east-to-west order.
2. The number of passengers, the number of pleasure craft, and the breakdown between east-bound and westbound for each of the three major canals have been eliminated, but will appear in the annual Canal Statistics publications. Cumulative figures for the present year and the previous year have been added.
3. More commodity detail has been given for the St. Lawrence Canals and the Welland Canal.
4. In Tables 2, 3, and 4 the item "Total freight carried" is not intended to be the total of the tonnages listed above it.
5. Even though tolls have not been in effect on the Welland Canal since July 18, 1962, the freight transported through this canal has been divided into "bulk" and "general" to enable comparison with the statistics for the St. Lawrence Canals.

The St. Lawrence Canals were opened to navigation on April 8 (April 4 in 1963); the Welland Canal, March 29 (April 1); and the Canadian lock of the Sault Ste. Marie Canal, April 13 (April 4).

The total volume of freight transported through Canadian canals in April 1964 almost doubled, to 7,263,854 tons, compared to the 3,664,282 tons moved in April 1963. Increased transportation of wheat, by 1,195,953 tons, and iron ore, by 1,314,489 tons, accounted for most of this increase. Vessel passages through Canadian canals substantially increased, to 1,506, compared to 1,047 in the same month last year. The registered net tonnage of these vessels rose to 5,587,181 tons from 3,033,211.

St. Lawrence Canals: The tonnage of freight transported increased 97.8 per cent, to 3,288,630 tons from 1,662,980 tons moved in April 1963. The movement of upbound commodities increased to 1,418,127 tons from 748,753 tons, while downbound commodities increased to 1,870,503 tons from 914,227 tons. During the month a total of 662 vessels of 2,345,605 registered net tons passed through the Canals, compared to 488 vessels of 1,222,870 tons.

Welland Canal: The volume of freight transported expanded 100.2 per cent, to 3,942,301 tons from 1,969,319 tons in the same month last year. Wheat shipments more than doubled, to 989,645 tons from 425,047 tons, and iron ore tonnage almost tripled, to 1,137,818 tons from 401,687 tons. Upbound freight amounted to 1,537,876 tons, compared to 689,775 tons, while downbound freight rose to 2,404,425 tons from 1,279,544 tons. The number of vessel passages increased to 676 from 452, while the registered net tonnage of these vessels increased to 3,161,365 tons from 1,736,400 tons.

Sault Ste. Marie Canals - Canadian Lock and United States Locks: Total freight transported through the combined system recorded a 439.7 per cent increase, to 5,878,620 tons from 1,089,139 tons transported in April 1963. Freight carried through the Canadian lock, however, decreased to 21,153 tons from 25,348. Total upbound freight through the combined system increased to 811,940 tons from 222,315 tons, while downbound freight expanded to 5,066,680 tons from 866,824 tons. Iron ore shipments through the system expanded tenfold, to 3,553,524 tons from 354,588 tons, and wheat shipments increased 213.2 per cent, to 468,821 tons from 149,699 tons.

June 1964
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Transportation Section
Public Finance and Transportation Division

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

Canal	April 1964			April 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	26	260	8	-	-	-
Canso Canal	4	3,792	165	5,285	-	-
Richelieu River Canals	57	10,027	11,597	1,350	-	-
St. Lawrence Canals	662	2,345,605	3,288,630	1,662,980	-	-
Ottawa River Canals	1	105	-	-	-	-
Rideau Canal	-	-	-	-	-	-
Murray Canal	-	-	-	-	-	-
Trent Canal	-	-	-	-	-	-
Welland Canal	676	3,161,365	3,942,301	1,969,319	-	-
Sault Ste. Marie Canal - Can. lock ..	80	66,027	21,153	25,348	-	-
St. Andrew's Canal	-	-	-	-	-	-
Totals	1,506	5,587,181	7,263,854	3,664,282	-	-
Sault Ste. Marie Canal - U.S. locks .	997	..	5,857,467	1,063,791	-	-

.. Figures not available.

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

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations	-	241	-	72	-	313	313
Fish and marine animals	-	580	-	-	-	580	580
Butter	-	17	-	-	-	17	17
Milk powder	-	-	-	-	898	898	898
Barley	8,800	-	35,702	-	44,502	-	44,502
Corn	-	-	230,647	-	230,647	-	230,647
Oats	-	-	30,606	-	30,606	-	30,606
Rye	-	-	21,509	-	21,509	-	21,509
Wheat	-	-	1,145,052	-	1,145,052	-	1,145,052
Corn meal	-	-	-	-	-	-	-
Malt	-	-	9,358	-	9,358	-	9,358
Flour, wheat	-	-	2,455	-	2,455	-	2,455
Fruits and fruit preparations	-	4,025	-	799	-	4,824	4,824
Beans and peas, dried	13	-	78,190	-	78,203	-	78,203
Sugar, raw	16,279	-	-	-	16,279	-	16,279
Molasses, crude and refined	6,063	-	-	-	6,063	-	6,063
Lard	-	-	3,437	60	3,437	60	3,497
Soyabean oil cake and meal	-	-	7,050	-	7,050	-	7,050
Feeds of vegetable origin	121	-	392	-	513	-	513
Feeds of animal origin	-	-	12	-	12	-	12
Ale, beer, stout and porter	-	1,757	-	-	-	1,757	1,757
Wines	-	3,169	-	-	-	3,169	3,169
Distilled alcoholic beverages	-	4,969	-	-	-	4,969	4,969
Raw hides and skins	-	629	-	2,186	-	2,815	2,815
Flaxseed	-	-	17,595	-	17,595	-	17,595
Soyabeans	-	-	44,640	-	44,640	-	44,640
Rubber, natural	-	7,189	-	-	-	7,189	7,189
Logs and round timber	-	-	607	-	607	-	607
Pulpwood	2,426	-	-	-	2,426	-	2,426
Aluminum ore and concentrates	9,645	-	-	-	9,645	-	9,645
Iron ore	970,084	-	-	-	970,084	-	970,084
Iron and steel scrap	17	-	7,280	-	7,297	-	7,297
Non-ferrous metal scrap	-	12	-	270	-	282	282
Coal, bituminous	-	-	49,597	-	49,597	-	49,597
Petroleum, crude	-	-	-	-	-	-	-
Bentonite	-	-	6,901	-	6,901	-	6,901
Stone, crushed and broken	3,136	-	-	-	3,136	-	3,136
Gypsum	8,779	-	-	-	8,779	-	8,779
Phosphate rock	-	-	-	-	-	-	-
Salt	-	-	19,630	-	19,630	-	19,630
Sulphur	17,215	-	-	-	17,215	-	17,215
Wood fabricated materials	-	1,200	-	599	-	1,799	1,799
Woodpulp	2,188	-	306	-	2,494	-	2,494
Newsprint paper	-	39,561	-	3,528	-	43,089	43,089
Cordage, twine and rope	-	5,565	-	-	-	5,565	5,565

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, April 1964 - Concluded

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Animal oils and fats (ex. marine) ...	-	-	9,434	-	9,434	-	9,434
Soyabean oil	-	-	1,371	-	1,371	-	1,371
Fertilizers	-	52	-	240	-	292	292
Rubber, synthetic and reclaimed	-	79	-	666	-	745	745
Chemical products	19,760	3,335	9,554	2,386	29,314	5,721	35,035
Gasoline	13,902	-	-	-	13,902	-	13,902
Fuel oil	44,364	-	226	-	44,590	-	44,590
Lubricating oils and greases	5,829	-	1,667	197	7,496	197	7,693
Coke	-	-	10,025	-	10,025	-	10,025
Tar, pitch and creosote	-	-	979	-	979	-	979
Ferro-alloys	1,491	-	55	-	1,546	-	1,546
Pig iron	22,079	-	-	-	22,079	-	22,079
Iron and steel - Ingot, bar and rod	-	17,819	484	5,810	484	23,629	24,113
Steel - Plate, sheet and strip	-	3,864	548	2,876	548	6,740	7,288
Structural shapes and sheet piling ..	-	53,064	321	-	321	53,064	53,385
Iron and steel - Pipes and fittings ..	-	4,214	3	102	3	4,316	4,319
Wire and wire rope	-	16,122	-	-	-	16,122	16,122
Aluminum - Bar, ingot, pig and slab ..	1,099	1,437	-	-	1,099	1,437	2,536
Glass - Plate, sheet and structural ..	-	4,566	-	23	-	4,589	4,589
Machinery, equipment and parts	116	4,377	750	570	866	4,947	5,813
Motor vehicles and parts	-	10,276	-	595	-	10,871	10,871
Domestic package freight	18,240	-	42,963	-	61,203	-	61,203
Total freight carried	1,204,008	214,119	1,803,533	66,970	3,007,541	281,089	3,288,630(2)

(1) In previous years upbound was referred to as westbound, and downbound was referred to as eastbound.
 (2) Includes 4,292 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, April 1964

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations	-	180	-	26	-	206	206
Fish and marine animals	-	403	-	-	-	403	403
Butter	12,052	-	-	-	12,052	-	12,052
Milk powder	-	-	-	898	-	898	898
Barley	-	-	53,912	-	53,912	-	53,912
Corn	-	-	233,973	-	233,973	-	233,973
Oats	-	-	40,075	-	40,075	-	40,075
Rye	-	-	21,509	-	21,509	-	21,509
Wheat	-	-	989,645	-	989,645	-	989,645
Corn meal	-	-	-	-	-	-	-
Malt	-	-	9,358	-	9,358	-	9,358
Flour, wheat	-	-	2,455	-	2,455	-	2,455
Fruits and fruit preparations	-	1,611	-	794	-	2,405	2,405
Beans and peas, dried	1	-	54,079	-	54,080	-	54,080
Sugar, raw	-	-	-	-	-	-	-
Molasses, crude and refined	2,296	-	-	-	2,296	-	2,296
Lard	-	-	3,437	60	3,437	60	3,497
Soyabean oil cake and meal	-	-	-	-	-	-	-
Feeds of vegetable origin	100	-	-	-	100	-	100
Feeds of animal origin	-	-	12	-	12	-	12
Ale, beer, stout and porter	-	1,519	-	-	-	1,519	1,519
Wines	-	2,021	-	-	-	2,021	2,021
Distilled alcoholic beverages	-	4,626	-	-	-	4,626	4,626
Raw hides and skins	-	629	-	849	-	1,478	1,478
Flaxseed	-	-	20,682	-	20,682	-	20,682
Soyabeans	-	-	72,007	-	72,007	-	72,007
Rubber, natural	-	6,418	-	-	-	6,418	6,418
Logs and round timber	-	-	135	-	135	-	135
Pulpwood	2,426	-	-	-	2,426	-	2,426
Aluminum ore and concentrates	9,645	-	-	-	9,645	-	9,645
Iron ore	1,021,058	-	116,760	-	1,137,818	-	1,137,818
Iron and steel scrap	-	-	19,804	-	19,804	-	19,804
Non-ferrous metal scrap	-	12	-	-	-	12	12
Coal, bituminous	9,827	-	538,483	-	548,310	-	548,310
Bentonite	-	-	6,901	-	6,901	-	6,901
Sand and gravel	3,289	-	-	-	3,289	-	3,289

See note at end of table.



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

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Stone, crushed and broken	108,022	-	-	-	108,022	-	108,022
Salt	-	-	19,630	-	19,630	-	19,630
Sulphur	17,215	-	-	-	17,215	-	17,215
Wood fabricated materials	-	912	-	147	-	1,059	1,059
Woodpulp	2,182	-	306	-	2,488	-	2,488
Newsprint paper	-	57,285	-	3,528	-	60,813	60,813
Cordage, twine and rope	-	5,049	-	-	-	5,049	5,049
Animal oils and fats (Ex. marine) ...	-	-	8,280	-	8,280	-	8,280
Soyabean oil	-	-	1,508	-	1,508	-	1,508
Sodium products	-	274	3,401	-	3,401	274	3,675
Rubber, synthetic and reclaimed	-	-	-	666	-	666	666
Chemical products	20,639	718	22,208	2,467	42,847	3,185	46,032
Gasoline	22,762	-	3,090	-	25,852	-	25,852
Fuel oil	22,211	-	37,540	-	59,751	-	59,751
Lubricating oils and greases	13,047	-	4,517	195	17,564	195	17,759
Coke	-	-	10,025	-	10,025	-	10,025
Tar, pitch and creosote	4,767	-	3,463	-	8,230	-	8,230
Ferro-alloys	1,457	-	-	-	1,457	-	1,457
Pig iron	22,079	-	-	-	22,079	-	22,079
Iron and steel - Ingot, bar and rod	-	16,397	-	86	-	16,483	16,483
Steel - Plate, sheet and strip	-	3,130	-	26	-	3,156	3,156
Structural shapes and sheet piling ..	-	47,907	-	-	-	47,907	47,907
Iron and steel - Pipes and fittings ..	-	2,501	-	37	-	2,538	2,538
Wire and wire rope	-	14,649	-	-	-	14,649	14,649
Aluminum - Bar, ingot, pig and slab ..	-	1,312	-	-	-	1,312	1,312
Glass - Plate, sheet and structural ..	-	3,492	-	-	-	3,492	3,492
Cement	2,503	-	22,459	-	24,962	-	24,962
Machinery, equipment and parts	-	1,952	-	545	-	2,497	2,497
Motor vehicles and parts	-	6,361	-	547	-	6,908	6,908
Domestic package freight	28,101	-	21,082	-	49,183	-	49,183
Total freight carried	1,347,206	190,670	2,350,285	54,140	3,697,491	244,810	3,942,301

(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, April 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	-	-	3,140	96,936	3,140	96,936
Corn	-	-	-	78,340	-	78,340
Oats	-	-	-	58,980	-	58,980
Rye	-	-	-	35,796	-	35,796
Wheat	-	533	-	1,195,870	-	1,196,403
Flour, wheat	-	1,141	-	6,444	-	7,585
Cereals, milled, n.e.s.	-	-	-	75,597	-	75,597
Flaxseed	-	-	-	24,288	-	24,288
Pulpwood, lumber and logs	-	-	-	-	-	-
Iron ore	-	131,733	-	3,421,791	-	3,553,524
Iron and steel scrap	-	-	-	-	-	-
Coal, anthracite	-	-	-	-	-	-
Coal, bituminous	-	468,821	-	-	-	468,821
Sand, gravel and stone	-	51,430	3,600	3,600	3,600	55,030
Non-metallic minerals, mfrs	-	17,800	-	-	-	17,800
Paper and woodpulp	-	-	4,713	27,149	4,713	27,149
Gasoline	-	24,297	-	-	-	24,297
Fuel oil	4,058	49,363	-	-	4,058	49,363
Coke	-	-	-	-	-	-
Other petroleum products	-	-	-	-	-	-
Pig iron	-	-	-	5,040	-	5,040
Iron and steel, manufactured	1,423	7,008	4,197	22,752	5,620	29,760
Cement	-	13,502	-	-	-	13,502
Motor vehicles	-	123	-	-	-	123
Miscellaneous freight	22	46,189	-	14,097	22	60,286
Domestic package freight	-	-	-	-	-	-
Total freight carried	5,503	811,940	15,650	5,066,680	21,153	5,878,620

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