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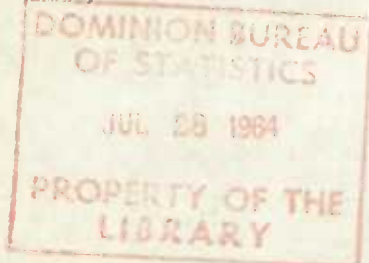
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SUMMARY OF CANAL STATISTICS

MAY 1964

The total volume of freight transported through Canadian canals in May 1964 increased 30.9 per cent, to 12,249,579 tons from 9,354,823 tons moved in May 1963. Increased transportation of wheat, by 1,531,256 tons, and iron ore, by 506,594 tons, accounted for most of this increase. Vessel passages through Canadian canals increased to 2,767, compared to 2,697 in the same month last year. The registered net tonnage of these vessels rose to 8,811,252 tons from 7,322,920 tons.

St. Lawrence Canals: The tonnage of freight transported increased 35.3 per cent, to 5,313,878 tons from 3,927,367 tons moved in May 1963. The movements of upbound commodities increased to 2,319,490 tons from 1,833,681 tons, while downbound commodities increased to 2,994,388 tons from 2,093,686 tons. During the month a total of 1,029 vessels of 3,526,513 registered net tons passed through the Canals, compared to 1,036 vessels of 2,858,891 tons.

Welland Canal: The volume of freight expanded 29.7 per cent, to 6,704,550 tons from 5,168,024 tons in the same month last year. Wheat shipments more than doubled, to 1,468,946 tons from 701,034 tons, and iron ore tonnage increased to 1,977,606 tons from 1,781,687 tons. Upbound freight amounted to 2,318,624 tons, compared to 1,834,018 tons, while downbound freight rose to 4,385,926 tons from 3,334,006 tons. The number of vessel passages increased to 1,106 from 1,028, while the registered net tonnage of these vessels increased to 4,872,700 tons from 4,050,741 tons.

Sault Ste. Marie Canals - Canadian Lock and United States Locks: Total freight transported through the combined system recorded a 18.5 per cent increase, to 13,145,870 tons from 11,097,370 tons transported in May 1963. Freight carried through the Canadian lock, however, decreased to 94,862 tons from 99,376 tons. Total upbound freight through the combined system decreased to 1,422,744 tons from 1,465,928 tons, while downbound freight expanded to 11,723,126 tons from 9,631,442 tons. Iron ore shipments through the system increased to 8,952,793 tons from 7,894,313 tons, and wheat shipments increased 97.6 per cent, to 1,627,573 tons from 823,816 tons.

Transportation Section
Public Finance and Transportation Division

July 1964
8504-517

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

Canal	May 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	84	3,123	24	82	32	82
Canso Canal	153	115,917	123,542	154,970	123,707	160,255
Richelieu River Canals	88	15,879	11,121	4,519	22,718	5,869
St. Lawrence Canals	1,029	3,526,513	5,313,878	3,927,367	8,602,508	5,590,347
Ottawa River Canals	53	3,850	1,563	300	1,563	300
Rideau Canal	3	64	-	-	-	-
Murray Canal	10	164	-	-	-	-
Trent Canal	11	113	7	-	7	-
Welland Canal	1,106	4,872,700	6,704,550	5,168,024	10,646,851	7,137,343
Sault Ste. Marie Canal - Can. lock ..	228	272,885	94,862	99,376	116,015	124,724
St. Andrew's Canal	2	44	32	185	32	185
Totals	2,767	8,811,252	12,249,579	9,354,823	19,513,426	13,019,105
Sault Ste. Marie Canal - U.S. locks	1,771	..	13,051,008	10,997,994	18,908,475	12,061,785

.. Figures not available.

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

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations	-	466	537	6,886	537	7,352	7,889
Fish and marine animals	29	838	-	6	29	844	873
Butter	19	993	-	4,801	19	5,794	5,813
Milk powder	-	-	-	31,777	-	31,777	31,777
Barley	17,800	-	249,648	-	267,448	-	267,448
Corn	560	-	454,981	-	455,541	-	455,541
Oats	-	-	26,008	-	26,008	-	26,008
Rye	-	-	59,957	-	59,957	-	59,957
Wheat	1,680	-	1,398,366	-	1,400,046	-	1,400,046
Corn meal	-	-	7,489	-	7,489	-	7,489
Malt	-	-	7,796	-	7,796	-	7,796
Flour, wheat	-	-	21,613	-	21,613	-	21,613
Fruits and fruit preparations	-	7,378	-	1,128	-	8,506	8,506
Beans and peas, dried	25	-	22,229	-	22,254	-	22,254
Sugar, raw	21,032	-	10,729	-	31,761	-	31,761
Molasses, crude and refined	16,347	-	-	-	16,347	-	16,347
Lard	-	-	18,717	2,877	18,717	2,877	21,594
Soyabean oil cake and meal	-	-	17,467	-	17,467	-	17,467
Feeds of vegetable origin	22	-	745	-	767	-	767
Feeds of animal origin	-	-	190	-	190	-	190
Ale, beer, stout and porter	-	1,152	-	210	-	1,362	1,362
Wines	-	4,957	-	4	-	4,961	4,961
Distilled alcoholic beverages	-	2,403	-	60	-	2,463	2,463
Raw hides and skins	-	698	-	12,952	-	13,650	13,650
Flaxseed	-	-	60,516	-	60,516	-	60,516
Soyabeans	-	-	146,660	-	146,660	-	146,660
Rubber, natural	-	6,938	-	-	-	6,938	6,938
Logs and round timber	2,216	412	2,463	-	4,679	412	5,091
Pulpwood	4,770	-	-	-	4,770	-	4,770
Aluminum ore and concentrates	12,057	-	-	-	12,057	-	12,057
Iron ore	1,572,306	-	-	-	1,572,306	-	1,572,306
Iron and steel scrap	-	-	63,406	-	63,406	-	63,406
Non-ferrous metal scrap	-	119	-	3,224	-	3,343	3,343
Coal, bituminous	8,720	-	45,447	-	54,167	-	54,167
Petroleum, crude	26,966	-	-	-	26,966	-	26,966
Bentonite	-	-	7,146	33	7,146	33	7,179
Stone, crushed and broken	-	-	-	-	-	-	-
Gypsum	-	-	-	-	-	-	-
Phosphate rock	-	-	-	-	-	-	-
Salt	-	-	25,808	-	25,808	-	25,808
Sulphur	-	-	-	-	-	-	-
Wood fabricated materials	1,000	6,507	-	1,075	1,000	7,582	8,582
Woodpulp	1,309	-	1,651	-	2,960	-	2,960
Newsprint paper	-	37,889	-	783	-	38,672	38,672
Cordage, twine and rope	-	12,014	-	-	-	12,014	12,014

See note at end of table.

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

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Animal oils and fats (ex. marine) ...	-	-	26,118	-	26,118	-	26,118
Soyabean oil	-	-	-	-	-	-	-
Fertilizers	11,355	83	-	605	11,355	688	12,043
Rubber, synthetic and reclaimed	-	2,257	786	5,623	786	7,880	8,666
Chemical products	25,515	3,777	15,702	11,852	41,217	15,629	56,846
Gasoline	1,467	-	3,925	26	5,392	26	5,418
Fuel oil	167,985	-	3,849	-	171,834	-	171,834
Lubricating oils and greases	-	7	-	1,081	-	1,088	1,088
Coke	-	-	42,704	-	42,704	-	42,704
Tar, pitch and creosote	2,325	58	11,392	126	13,717	184	13,901
Ferro-alloys	8,289	-	176	-	8,465	-	8,465
Pig iron	53,502	-	-	-	53,502	-	53,502
Iron and steel - Ingot, bar and rod	-	20,953	-	509	-	21,462	21,462
Steel - Plate, sheet and strip	-	14,804	-	10,990	-	25,794	25,794
Structural shapes and sheet piling ..	1,268	75,918	-	242	1,268	76,160	77,428
Iron and steel - Pipes and fittings ..	-	3,771	-	390	-	4,161	4,161
Wire and wire rope	-	23,186	-	151	-	23,337	23,337
Aluminum - Bar, ingot, pig and slab ..	557	4,450	-	1,186	557	5,636	6,193
Glass - Plate, sheet and structural ..	-	6,477	-	10	-	6,487	6,487
Machinery, equipment and parts	163	6,031	40	6,856	203	12,887	13,090
Motor vehicles and parts	-	10,148	-	11,561	-	21,709	21,709
Domestic package freight	21,122	-	55,172	-	76,294	-	76,294
Total freight carried	2,018,409	301,081	2,853,121	141,267	4,871,530	442,348	5,313,878(2)

(1) In previous years upbound was referred to as westbound, and downbound was referred to as eastbound.
 (2) Includes 7,161 tons of non-toll traffic using only the Lachine canal.

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

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand Total
	Bulk	General	Bulk	General			
	tons						
Meat and meat preparations	-	363	537	6,102	537	6,465	7,002
Fish and marine animals	29	603	-	-	29	603	632
Butter	19	-	-	4,801	19	4,801	4,820
Milk powder	-	-	-	30,295	-	30,295	30,295
Barley	17,800	-	285,245	-	303,045	-	303,045
Corn	560	-	468,183	-	468,743	-	468,743
Oats	-	-	44,311	-	44,311	-	44,311
Rye	-	-	59,957	-	59,957	-	59,957
Wheat	1,680	-	1,467,266	-	1,468,946	-	1,468,946
Corn meal	-	-	7,489	-	7,489	-	7,489
Malt	-	-	7,796	-	7,796	-	7,796
Flour, wheat	-	-	21,613	-	21,613	-	21,613
Fruits and fruit preparations	-	4,381	-	207	-	4,588	4,588
Beans and peas, dried	11	-	27,446	-	27,457	-	27,457
Sugar, raw	-	-	-	-	-	-	-
Molasses, crude and refined	15,142	-	-	-	15,142	-	15,142
Lard	-	-	18,717	2,877	18,717	2,877	21,594
Soyabean oil cake and meal	-	-	2,670	-	2,670	-	2,670
Feeds of vegetable origin	22	-	464	-	486	-	486
Feeds of animal origin	-	-	78	-	78	-	78
Ale, beer, stout and porter	-	852	-	210	-	1,062	1,062
Wines	-	3,860	-	4	-	3,864	3,864
Distilled alcoholic beverages	-	1,923	-	60	-	1,983	1,983
Raw hides and skins	-	617	-	10,798	-	11,415	11,415
Flaxseed	-	-	62,111	-	62,111	-	62,111
Soyabeans	-	-	186,301	-	186,301	-	186,301
Rubber, natural	-	5,548	-	2	-	5,550	5,550
Logs and round timber	134	412	1,952	-	2,086	412	2,498
Pulpwood	4,770	-	-	-	4,770	-	4,770
Aluminum ore and concentrates	12,057	-	-	-	12,057	-	12,057
Iron ore	1,598,539	-	379,067	-	1,977,606	-	1,977,606
Iron and steel scrap	-	119	60,042	-	60,042	119	60,161
Non-ferrous metal scrap	-	-	-	2,283	-	2,283	2,283
Coal, bituminous	2,104	-	833,984	-	836,088	-	836,088
Bentonite	-	-	7,146	33	-	33	7,179
Sand and gravel	4,358	-	24,254	-	28,612	-	28,612

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, May 1964 - Concluded

Commodity	Upbound(1)		Downbound(1)		Total bulk	Total general	Grand total
	Bulk	General	Bulk	General			
	tons						
Stone, crushed and broken	115,659	-	-	-	115,659	-	115,659
Salt	-	-	22,340	-	22,340	-	22,340
Sulphur	-	-	-	-	-	-	-
Wood fabricated materials	-	4,739	-	495	-	5,234	5,234
Woodpulp	1,309	-	1,651	-	2,960	-	2,960
Newsprint paper	-	56,065	-	783	-	56,848	56,848
Cordage, twine and rope	-	10,109	-	-	-	10,109	10,109
Animal oils and fats (Ex. marine) ...	-	-	24,724	-	24,724	-	24,724
Soyabean oil	-	-	-	-	-	-	-
Sodium products	-	70	26,612	676	26,612	746	27,358
Rubber, synthetic and reclaimed	-	1,761	786	5,621	786	7,382	8,168
Chemical products	24,424	1,144	16,165	10,886	40,589	12,030	52,619
Gasoline	10,344	-	11,047	26	21,391	26	21,417
Fuel oil	52,888	-	38,682	-	91,570	-	91,570
Lubricating oils and greases	14,463	-	2,873	1,081	17,336	1,081	18,417
Coke	-	-	45,128	-	45,128	-	45,128
Tar, pitch and creosote	5,064	58	19,583	126	24,647	184	24,831
Ferro-alloys	8,233	-	148	-	8,381	-	8,381
Pig iron	53,502	-	-	-	53,502	-	53,502
Iron and steel - Ingot, bar and rod	-	17,468	-	19	-	17,487	17,487
Steel - Plate, sheet and strip	-	13,318	-	325	-	13,643	13,643
Structural shapes and sheet piling ..	-	66,091	876	104	876	66,195	67,071
Iron and steel - Pipes and fittings	-	3,040	-	235	-	3,275	3,275
Wire and wire rope	-	22,305	-	44	-	22,349	22,349
Aluminum - Bar, ingot, pig and slab	-	1,926	-	74	-	2,000	2,000
Glass - Plate, sheet and structural	-	4,796	-	5	-	4,801	4,801
Cement	2,542	48	7,860	-	10,402	48	10,450
Machinery, equipment and parts	-	3,228	-	6,351	-	9,579	9,579
Motor vehicles and parts	-	8,001	-	10,721	-	18,722	18,722
Domestic package freight	32,872	-	35,992	-	68,864	-	68,864
Total freight carried	2,053,722	264,902	4,273,493	112,433	6,327,215	377,335	6,704,550

(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, May 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	-	-	-	332,544	-	332,544
Corn	-	-	-	203,941	-	203,941
Oats	-	-	-	76,854	-	76,854
Rye	-	-	-	60,979	-	60,979
Wheat	-	-	-	1,627,573	-	1,627,573
Flour, wheat	-	-	-	17,000	-	17,000
Cereals, milled, n.e.s.	-	-	-	141,791	-	141,791
Flaxseed	-	-	-	83,413	-	83,413
Pulpwood, lumber and logs	1,600	1,600	-	10,000	1,600	11,600
Iron ore	-	-	-	8,952,793	-	8,952,793
Iron and steel scrap	92	92	-	26,467	92	26,559
Coal, anthracite	-	27,973	-	-	-	27,973
Coal, bituminous	-	956,810	-	-	-	956,810
Sand, gravel and stone	-	164,673	15,812	15,812	15,812	180,485
Non-metallic minerals, mfrs	-	19,196	-	-	-	19,196
Paper and woodpulp	-	-	22,842	36,744	22,842	36,744
Gasoline	-	10,142	6,734	11,311	6,734	21,453
Fuel oil	12,137	86,386	-	-	12,137	86,386
Coke	-	-	-	-	-	-
Other petroleum products	-	-	-	-	-	-
Pig iron	-	-	-	17,202	-	17,202
Iron and steel, manufactured	3	30,840	13,801	34,542	13,804	65,382
Cement	-	31,832	-	-	-	31,832
Motor vehicles	-	660	-	2	-	662
Miscellaneous freight	3,781	82,882	3,090	68,846	6,871	151,728
Domestic package freight	9,658	9,658	5,312	5,312	14,970	14,970
Total freight carried	27,271	1,422,744	67,591	11,723,126	94,862	13,145,870

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