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OTTAWA - CANADA

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SUMMARY OF CANAL STATISTICS

SEPTEMBER 1962

The total tonnage of freight cleared through Canadian Canals during September increased 14.7 per cent to 8,231,891 tons from 7,176,822 in September 1961. Increased freight traffic was recorded for the St. Lawrence, Welland and three of the smaller canals. The number of vessel passages was down slightly to 2,983 from 3,016 but the registered net tonnage increased 17.6 per cent to 7,166,260 tons from 6,094,086. Pleasure craft lockages numbered 15,362 as against 16,371 and the number of passengers rose to 18,107 from 17,863 in the corresponding month last year.

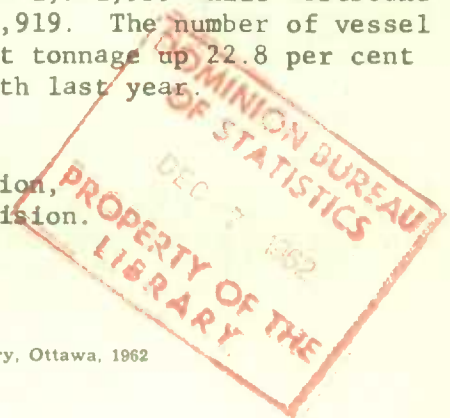
Sault Ste. Marie Canals - Canadian and United States Locks: Freight transported through the combined system in September declined 3.8 per cent to 11,393,965 tons from 11,846,802 in September 1961. With eastbound iron ore down 787,394 tons, total eastbound freight through both canals dropped to 9,834,160 tons from 10,435,112. Westbound traffic, however, rose to 1,559,805 tons from 1,411,690. Vessel passages declined to 2,200 from 2,433. Traffic using the Canadian lock dropped to 118,748 tons from 147,543 in the previous September.

Welland Ship Canal: Freight moved through the Welland Ship Canal was up 16.2 per cent, increasing to 4,493,361 tons from 3,868,223 in September last year. The major increases were in iron ore shipments, up to 1,416,964 tons from 1,035,858, coal, up to 667,720 tons from 542,101, and rye up to 130,399 tons from 26,128. Shipments of wheat declined to 639,618 tons from 763,363 and iron and steel scrap to 21,418 tons from 129,592. Total eastbound freight rose 9.5 per cent to 3,024,492 tons from 2,762,312 while westbound traffic increased 32.8 per cent to 1,468,869 tons from 1,105,911. Vessel passages numbered 979 with a registered net tonnage of 3,774,484 tons as against 973 vessels of 3,208,079 tons in September 1961.

St. Lawrence Canals: Freight shipped through the St. Lawrence Canals increased 14.2 per cent to 3,475,853 tons from 3,044,858 in September 1961. Eastbound shipments of wheat and corn declined but barley, oats and rye increased by some 284,000 tons while iron ore westbound rose to 844,360 tons from 682,853. Total eastbound freight rose 4.5 per cent to 1,840,840 tons from 1,761,939 while westbound traffic was up 27.4 per cent to 1,635,013 tons from 1,282,919. The number of vessel passages increased to 1,156 from 1,141 with registered net tonnage up 22.8 per cent to 2,909,361 tons from 2,368,406 in the corresponding month last year.

Prepared in the Transportation Section,
Public Finance and Transportation Division.

November 1962
8504-517



SUMMARY OF CANAL STATISTICS

September 1962

| | Number of vessel passages | Registered net tonnage of vessels | Number of passengers | Number of pleasure craft(1) | Tons of freight |
|--|---------------------------|-----------------------------------|----------------------|-----------------------------|-----------------|
| <u>September 1962</u> | | | | | |
| ALL CANADIAN CANALS | 2,983 | 7,166,260 | 18,107 | 15,362 | 8,231,891 |
| Canso Canal | 162 | 126,020 | 8 | 32 | 131,589 |
| Murray Canal | 32 | 1,902 | - | 244 | - |
| Ottawa River Canals | 7 | 1,330 | - | 1,582 | 150 |
| Richelieu River Canal | 93 | 13,787 | - | 24 | 11,161 |
| Rideau Canal | 16 | 632 | 25(2) | 4,402 | - |
| St. Andrew's Canal | 75 | 4,375 | 110(3) | 247 | 886 |
| St. Lawrence Canals | 1,156 | 2,909,361 | 1,929 | 192 | 3,475,853 |
| St. Peter's Canal | 60 | 1,381 | 9 | 7 | 134 |
| Sault Ste. Marie Canal | 399 | 332,944 | 14,809 | 65 | 118,748 |
| Trent Canal | 4 | 44 | - | 8,500(4) | 9 |
| Welland Ship Canal | 979 | 3,774,484 | 1,217 | 67 | 4,493,361 |
| <u>September 1961</u> | | | | | |
| ALL CANADIAN CANALS | 3,016 | 6,094,086 | 17,863 | 16,371 | 7,176,822 |
| Canso Canal | 138 | 91,475 | - | 34 | 105,953 |
| Murray Canal | 33 | 1,185 | - | 335 | 82 |
| Ottawa River Canals | 16 | 2,775 | - | 1,720 | 555 |
| Richelieu River Canal | 82 | 10,482 | - | 30 | 6,042 |
| Rideau Canal | 13 | 363 | 17 | 5,066 | - |
| St. Andrew's Canal | 72 | 5,878 | 76 | 171 | 3,498 |
| St. Lawrence Canals | 1,141 | 2,368,406 | 1,422 | 430 | 3,044,858 |
| St. Peter's Canal | 54 | 971 | - | - | 53 |
| Sault Ste. Marie Canal | 487 | 404,395 | 15,429 | .. | 147,543 |
| Trent Canal | 7 | 77 | - | 8,441 | 15 |
| Welland Ship Canal | 973 | 3,208,079 | 919 | 144 | 3,868,223 |
| | | | | | |
| SAULT STE. MARIE CANALS: | | | | | |
| <u>September 1962</u> | | | | | |
| East Bound: | | | | | |
| Canadian Lock | 301 | 176,496 | 13,538 | 30 | 84,464 |
| Can. & U.S. Locks | 1,113 | .. | 14,459 | 30 | 9,834,160 |
| West Bound: | | | | | |
| Canadian Lock | 98 | 156,448 | 1,271 | 35 | 34,284 |
| Can. & U.S. Locks | 1,087 | .. | 13,331 | 35 | 1,559,805 |
| Totals: | | | | | |
| Canadian Lock - September 1962 | 399 | 332,944 | 14,809 | 65 | 118,748 |
| Can. & U.S. Locks - September 1962 | 2,200 | .. | 27,790 | 65 | 11,393,965 |
| Canadian Lock - September 1961 | 487 | 404,395 | 15,429 | .. | 147,543 |
| Can. & U.S. Locks - September 1961 | 2,433 | .. | 30,611 | .. | 11,846,802 |
| | | | | | |
| WELLAND SHIP CANAL: | | | | | |
| East Bound | 479 | 1,856,976 | 239 | 35 | 3,024,492 |
| West Bound | 500 | 1,917,508 | 978 | 32 | 1,468,869 |
| Totals - September 1962 | 979 | 3,774,484 | 1,217 | 67 | 4,493,361 |
| Totals - September 1961 | 973 | 3,208,079 | 919 | 144 | 3,868,223 |
| | | | | | |
| ST. LAWRENCE CANALS: | | | | | |
| East Bound | 565 | 1,442,649 | 716 | 92 | 1,840,840 |
| West Bound | 591 | 1,466,712 | 1,213 | 100 | 1,635,013 |
| Totals - September 1962 | 1,156 | 2,909,361 | 1,929 | 192 | 3,475,853 |
| Totals - September 1961 | 1,141 | 2,368,406 | 1,422 | 430 | 3,044,858 |

(1) One pleasure craft through one lock station recorded as "1".

(2) Exclusive of 1,653 passengers on sight seeing pleasure boat cruises and 13,103 passengers carried in pleasure craft. (2,540 and 14,906 in 1961)

(3) Excludes 755 passengers carried in pleasure craft.

(4) Estimated.

.. Figures not available.

SUMMARY OF CANAL STATISTICS

September 1962

| Commodities | East Bound | | West Bound | | Total | | | | |
|---|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|-----------|---------|-----------|
| | Canadian Lock | Canadian and U.S. Locks | Canadian Lock | Canadian and U.S. Locks | Canadian Lock | Canadian and U.S. Locks | | | |
| SAULT STE. MARIE CANALS: | | | | | | | | | |
| Barley | 2,446 | 157,670 | - | - | 2,446 | 157,670 | | | |
| Corn | - | 57,031 | - | 4,206 | - | 61,237 | | | |
| Oats | 3,055 | 125,785 | - | - | 3,055 | 125,785 | | | |
| Rye | - | 132,985 | - | - | - | 132,985 | | | |
| Wheat | 7,563 | 928,107 | - | - | 7,563 | 928,107 | | | |
| Flour, wheat | - | 14,473 | 35 | 35 | 35 | 14,508 | | | |
| Cereals, milled, n.e.s. | 7,601 | 26,085 | 1,923 | 4,829 | 9,524 | 30,914 | | | |
| Foods, beverages, tobacco, n.e.s. | 12,093 | 12,093 | - | - | 12,093 | 12,093 | | | |
| Flaxseed | - | 34,363 | - | - | - | 34,363 | | | |
| Pulpwood, lumber and logs | 19,441 | 51,807 | 378 | 378 | 19,819 | 52,185 | | | |
| Iron ore | - | 8,121,206 | - | 23,364 | - | 8,144,570 | | | |
| Iron and steel scrap | - | 16,344 | - | 2,600 | - | 18,944 | | | |
| Coal, anthracite | - | - | - | 13,052 | - | 13,052 | | | |
| Coal, bituminous | - | - | 2,031 | 1,115,315 | 2,031 | 1,115,315 | | | |
| Sand, gravel and stone | - | - | - | 118,173 | - | 118,173 | | | |
| Paper and woodpulp | 12,151 | 28,060 | - | - | 12,151 | 28,060 | | | |
| Gasoline | - | 7,407 | 8,488 | 49,141 | 8,488 | 56,548 | | | |
| Fuel oil | - | 13,674 | 9,959 | 70,013 | 9,959 | 83,687 | | | |
| Petroleum products, other | - | 6,850 | - | - | - | 6,850 | | | |
| Fig iron | - | 39,228 | 1,898 | 8,134 | 1,898 | 47,362 | | | |
| Iron and steel, manufactured | 13,915 | 36,613 | 1,695 | 22,404 | 15,610 | 59,017 | | | |
| Cement | - | - | - | 33,145 | - | 33,145 | | | |
| Motor vehicles | - | - | 4 | 71 | 4 | 71 | | | |
| Miscellaneous freight, n.e.s. ... | 1,498 | 19,678 | 1,562 | 88,634 | 3,060 | 108,312 | | | |
| Domestic package freight | 4,701 | 4,701 | 6,311 | 6,311 | 11,012 | 11,012 | | | |
| Totals | 84,464 | 9,834,160 | 34,284 | 1,559,805 | 118,748 | 11,393,965 | | | |
| | East Bound | | | West Bound | | | Total | | |
| | Bulk | General | Total | Bulk | General | Total | Bulk | General | Total |
| WELLAND SHIP CANAL: | | | | | | | | | |
| Meat and meat preparations | - | 3,695 | 3,695 | - | 629 | 629 | - | 4,324 | 4,324 |
| Barley | 140,023 | - | 140,023 | - | - | - | 140,023 | - | 140,023 |
| Corn | 213,023 | - | 213,023 | - | - | - | 213,023 | - | 213,023 |
| Oats | 115,265 | - | 115,265 | - | - | - | 115,265 | - | 115,265 |
| Rye | 130,399 | - | 130,399 | - | - | - | 130,399 | - | 130,399 |
| Wheat | 639,618 | - | 639,618 | - | - | - | 639,618 | - | 639,618 |
| Malt | 8,681 | - | 8,681 | - | - | - | 8,681 | - | 8,681 |
| Flour, wheat | 45,475 | - | 45,475 | - | - | - | 45,475 | - | 45,475 |
| Cereals, milled, n.e.s. | 12,528 | 339 | 12,867 | - | - | - | 12,528 | 339 | 12,867 |
| Beans and peas, dried | 11,949 | - | 11,949 | - | - | - | 11,949 | - | 11,949 |
| Sugar | - | - | - | 9,501 | - | 9,501 | 9,501 | - | 9,501 |
| Syrup and molasses | 2,232 | - | 2,232 | 20,299 | - | 20,299 | 22,531 | - | 22,531 |
| Margarine, shortening and lard .. | 6,942 | 1,043 | 7,985 | - | - | - | 6,942 | 1,043 | 7,985 |
| Fodder and feed | 21,335 | 21 | 21,356 | - | 7 | 7 | 21,335 | 28 | 21,363 |
| Foods, beverages, tobacco, n.e.s. | 15 | 19,493 | 19,508 | 64 | 12,869 | 12,933 | 79 | 32,362 | 32,441 |
| Flaxseed | 22,809 | - | 22,809 | - | - | - | 22,809 | - | 22,809 |
| Soyabeans | 101,973 | - | 101,973 | - | - | - | 101,973 | - | 101,973 |
| Rubber, natural and synthetic ... | 360 | 3,024 | 3,384 | - | 9,728 | 9,728 | 360 | 12,752 | 13,112 |
| Pulpwood | 13,632 | - | 13,632 | 56,410 | - | 56,410 | 70,042 | - | 70,042 |
| Aluminum ore and concentrate | - | - | - | 14,600 | - | 14,600 | 14,600 | - | 14,600 |
| Iron ore | 532,872 | - | 532,872 | 884,092 | - | 884,092 | 1,416,964 | - | 1,416,964 |
| Iron and steel scrap | 21,418 | - | 21,418 | - | - | - | 21,418 | - | 21,418 |
| Coal, bituminous | 639,990 | - | 639,990 | 27,730 | - | 27,730 | 667,720 | - | 667,720 |
| Clay and bentonite | 13,096 | 13 | 13,109 | 2,455 | - | 2,455 | 15,551 | 13 | 15,564 |
| Sand and gravel | - | - | - | 3,869 | - | 3,869 | 3,869 | - | 3,869 |
| Stone, crushed, broken | 8,134 | - | 8,134 | 102,448 | - | 102,448 | 110,582 | - | 110,582 |
| Salt | 11,070 | - | 11,070 | - | - | - | 11,070 | - | 11,070 |
| Sulphur | - | - | - | 10,698 | - | 10,698 | 10,698 | - | 10,698 |
| Crude materials, inedible, n.e.s. | 7,149 | 6,874 | 14,023 | 4,489 | 2,837 | 7,326 | 11,638 | 9,711 | 21,349 |
| Woodpulp | 1,168 | - | 1,168 | 4,506 | - | 4,506 | 5,674 | - | 5,674 |
| Newsprint paper | - | - | - | - | 56,298 | 56,298 | - | 56,298 | 56,298 |
| Fish and animal oils | 13,628 | - | 13,628 | - | - | - | 13,628 | - | 13,628 |
| Soyabean oil | 3,569 | - | 3,569 | - | - | - | 3,569 | - | 3,569 |
| Sodium products | 14,439 | 32 | 14,471 | - | 89 | 89 | 14,439 | 121 | 14,560 |
| Chemicals and related products, n.e.s. | 15,514 | 6,185 | 21,699 | 21,499 | 1,519 | 23,018 | 37,013 | 7,704 | 44,717 |
| Gasoline | 5,976 | - | 5,976 | 20,258 | - | 20,258 | 26,234 | - | 26,234 |
| Fuel oil | 59,347 | 99 | 59,446 | 70,742 | - | 70,742 | 130,089 | 99 | 130,188 |
| Lubricating oils and greases | 6,745 | 405 | 7,150 | 2,488 | - | 2,488 | 9,233 | 405 | 9,638 |
| Coke | 38,476 | - | 38,476 | - | - | - | 38,476 | - | 38,476 |



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SUMMARY OF CANAL STATISTICS

September 1963

| Commodities | East Bound | | | West Bound | | | Total | | |
|---|------------|---------|-----------|------------|---------|-----------|-----------|---------|---------------|
| | Bulk | General | Total | Bulk | General | Total | Bulk | General | Total |
| tons | | | | | | | | | |
| WELLAND SHIP CANAL - Concluded: | | | | | | | | | |
| Tar, pitch and creosote | - | - | - | 5,663 | - | 5,663 | 5,663 | - | 5,663 |
| Petroleum and coal products, n.e.s. | 4,322 | 266 | 4,588 | - | - | - | 4,322 | 266 | 4,588 |
| Pig iron | 9,563 | - | 9,563 | 11,740 | - | 11,740 | 21,303 | - | 21,303 |
| Iron and steel: ingot, bar, rod, etc. | - | 40 | 40 | - | 14,866 | 14,866 | - | 14,906 | 14,906 |
| Steel: plate, sheet and strip | - | 14,448 | 14,448 | - | 996 | 996 | - | 15,444 | 15,444 |
| Iron and steel, n.e.s. | - | 519 | 519 | - | 22,646 | 22,646 | - | 23,165 | 23,165 |
| Cement | 15,741 | - | 15,741 | 2,519 | - | 2,519 | 18,260 | - | 18,260 |
| Machinery, equipment and parts ... | - | 8,300 | 8,300 | - | 2,453 | 2,453 | - | 10,753 | 10,753 |
| Motor vehicles and parts | - | 3,717 | 3,717 | - | 5,392 | 5,392 | - | 9,109 | 9,109 |
| Miscellaneous freight, n.e.s. | 5,201 | 17,125 | 22,326 | 9,679 | 25,855 | 35,534 | 14,880 | 42,980 | 57,860 |
| Domestic package freight | 25,177 | - | 25,177 | 26,936 | - | 26,936 | 52,113 | - | 52,113 |
| Totals | 2,938,854 | 85,638 | 3,024,492 | 1,312,685 | 156,184 | 1,468,869 | 4,251,539 | 241,822 | 4,493,361 |
| ST. LAWRENCE CANALS: | | | | | | | | | |
| Meat and meat preparations | - | 3,957 | 3,957 | - | 919 | 919 | - | 4,876 | 4,876 |
| Barley | 135,904 | - | 135,904 | - | - | - | 135,904 | - | 135,904 |
| Corn | 187,564 | - | 187,564 | - | - | - | 187,564 | - | 187,564 |
| Oats | 112,926 | - | 112,926 | - | - | - | 112,926 | - | 112,926 |
| Rye | 130,399 | - | 130,399 | - | - | - | 130,399 | - | 130,399 |
| Wheat | 638,413 | - | 638,413 | - | - | - | 638,413 | - | 638,413 |
| Malt | 8,681 | - | 8,681 | - | - | - | 8,681 | - | 8,681 |
| Flour, wheat | 45,475 | - | 45,475 | - | - | - | 45,475 | - | 45,475 |
| Cereals, milled, n.e.s. | 15,021 | 339 | 15,360 | - | - | - | 15,021 | 339 | 15,360 |
| Beans and peas, dried | 11,949 | - | 11,949 | - | - | - | 11,949 | - | 11,949 |
| Sugar | - | - | - | 19,461 | - | 19,461 | - | - | 19,461 |
| Syrup and molasses | - | - | - | 10,135 | - | 10,135 | - | - | 10,135 |
| Margarine, shortening and lard ... | 6,942 | 1,043 | 7,985 | - | - | - | 6,942 | 1,043 | 7,985 |
| Soyabean oil cake and meal | 14,366 | - | 14,366 | - | - | - | 14,366 | - | 14,366 |
| Fodder and feed, n.e.s. | 21,341 | 97 | 21,438 | 22 | 27 | 49 | 21,363 | 124 | 21,487 |
| Foods, beverages, tobacco, n.e.s.. | 878 | 21,155 | 22,033 | 279 | 21,865 | 22,144 | 1,157 | 43,020 | 44,177 |
| Flaxseed | 22,809 | - | 22,809 | - | - | - | 22,809 | - | 22,809 |
| Soyabeans | 70,692 | - | 70,692 | - | - | - | 70,692 | - | 70,692 |
| Rubber, natural and synthetic ... | 360 | 3,042 | 3,402 | - | 12,064 | 12,064 | 360 | 15,106 | 15,466 |
| Pulpwood | - | - | - | 59,041 | - | 59,041 | 59,041 | - | 59,041 |
| Aluminum ore and concentrates | - | - | - | 14,600 | - | 14,600 | 14,600 | - | 14,600 |
| Iron ore | - | - | - | 844,360 | - | 844,360 | 844,360 | - | 844,360 |
| Iron and steel scrap | 31,963 | - | 31,963 | - | - | - | 31,963 | - | 31,963 |
| Coal, bituminous | 66,352 | - | 66,352 | 142,687 | - | 142,687 | 209,039 | - | 209,039 |
| Clay and bentonite | 13,347 | 13 | 13,360 | 7,019 | 18 | 7,037 | 20,366 | 31 | 20,397 |
| Sand and gravel | - | - | - | - | - | - | - | - | - |
| Petroleum, crude | - | - | - | 31,428 | - | 31,428 | 31,428 | - | 31,428 |
| Phosphate rock | - | - | - | 34,747 | - | 34,747 | 34,747 | - | 34,747 |
| Salt | 11,070 | - | 11,070 | - | - | - | 11,070 | - | 11,070 |
| Sulphur | - | - | - | 10,698 | - | 10,698 | 10,698 | - | 10,698 |
| Crude materials, inedible, n.e.s.. | 7,207 | 8,869 | 16,076 | 10,743 | 4,926 | 15,669 | 17,950 | 13,795 | 31,745 |
| Woodpulp | 1,168 | - | 1,168 | 4,506 | - | 4,506 | 5,674 | - | 5,674 |
| Newsprint paper | - | - | - | - | 44,884 | 44,884 | - | 44,884 | 44,884 |
| Fish and animal oils | 13,628 | - | 13,628 | 3,307 | - | 3,307 | 16,935 | - | 16,935 |
| Chemicals and related products ... | 18,364 | 6,936 | 25,300 | 17,408 | 4,150 | 21,558 | 35,772 | 11,086 | 46,858 |
| Gasoline | 17,462 | - | 17,462 | 2,512 | - | 2,512 | 19,974 | - | 19,974 |
| Fuel oil | 7,757 | 99 | 7,856 | 181,057 | - | 181,057 | 188,814 | 99 | 188,913 |
| Lubricating oils and greases | 4,443 | 405 | 4,848 | - | 7 | 7 | 4,443 | 412 | 4,855 |
| Coke | 38,482 | - | 38,482 | - | - | - | 38,482 | - | 38,482 |
| Tar, pitch and creosote | 3,439 | - | 3,439 | - | - | - | 3,439 | - | 3,439 |
| Petroleum and coal products, n.e.s. | - | 273 | 273 | - | 13 | 13 | - | 286 | 286 |
| Pig iron | 9,563 | - | 9,563 | 11,740 | - | 11,740 | 21,303 | - | 21,303 |
| Iron and steel: ingot, bar, rod, etc. | - | 270 | 270 | - | 17,268 | 17,268 | - | 17,538 | 17,538 |
| Steel: plate, sheet and strip | - | 20,791 | 20,791 | - | 2,099 | 2,099 | - | 22,890 | 22,890 |
| Iron and steel, n.e.s. | 455 | 639 | 1,094 | - | 27,942 | 27,942 | 455 | 28,581 | 29,036 |
| Machinery, equipment and parts ... | - | 9,370 | 9,370 | - | 4,261 | 4,261 | - | 13,631 | 13,631 |
| Motor vehicles and parts | - | 3,874 | 3,874 | - | 7,252 | 7,252 | - | 11,126 | 11,126 |
| Miscellaneous freight, n.e.s. | 19,102 | 21,738 | 40,840 | 16,068 | 37,555 | 53,623 | 35,170 | 59,293 | 94,463 |
| Domestic package freight | 50,408 | - | 50,408 | 27,945 | - | 27,945 | 78,353 | - | 78,353 |
| Totals | 1,737,930 | 102,910 | 1,840,840 | 1,449,763 | 185,250 | 1,635,013 | 3,187,693 | 288,160 | 3,475,853 (1) |

(1) Includes 13,708 tons of non-toll traffic.